This newsletter is from the first dedicated electronic utility club in the world; the Worldwide UTE News (WUN). Portions of this newsletter may be posted on electronic bulletin boards without prior approval so long as the WUN is credited as the source and so long as the file(s) remain(s) intact. This newsletter may NOT be utilized, partly or wholly, in any other media format without the written permission of the Editor (E-mail address above). Any breach of this may result in action under international copyright legislation.

To become a WUN member, send e-mail to the WUN listserver at:
maajordomo@grove.net and in the BODY of the message type:
subscribe wun your@own.address

If you have problems with this, contact Rick Baker at:
utelistener@msn.com or ae411@yfn.ysu.edu

That's all it takes. There are no dues. A paper copy of the WUN Club newsletter can be obtained via our WUN publisher, Tim Braun, at WUN International HQ, P.O. Box 16533, Washington D.C. 22041-6533, USA, for the costs of printing & mailing at a rate of US$1.50 per issue.

From your Electronic Editor:
* Welcome to First Anniversary issue of the single largest source of utility station information in the world...the WUN Newsletter. At age 1 we are better than ever!

WHAT'S INSIDE:
- Membership News by Mike Wolfson
- International Civil Aero by Tony Orr & Peter Ivakitsch
- Ask WUN! by Colin Goodall
- Digital Review by Ary Boender
- The WUN Military Column by Jim Pogue
- Nautical News by Jim Pogue
- New Products and Reviews by R.D. Baker
- The QSL Report by Martin Barry
- Surfing the Longwaves by George Karayannopoulos
- Utility Roundup by Ary Boender
- Worldwide Bandscan by Tim Braun
- The WUN Logs Column by R.D. Baker & Tim Dobbins

It seems like yesterday that with the loss of the Speedx Club as a final straw, several of us ute folks started chatting by e-mail mourning our loss. It was about this same time that word leaked out that Popular Communications was going to drop Robert Margolis's 'RTTY' column. The utility folks were taking it hard on the chin!

For about a year, I had maintained a one-way mail alias, where I would send out any good snags I found, or that others sent me. Taking that idea and then an offer from Joel Bedard, who was on that ute e-mail alias list, and some pushing from Jim Pogue, Tim Braun, Jason Berri and Jim Navary...WUN was born. It was January 1995. Ary Boender, brand new to the internet world, was snagged as our digital guy. We found Tony Orr lurking in cyberspace and being very impressed with his international knowledge, we promised him large sums of money to write our aero column (yes Tony...we lied about the money). Mike Wolfson was brought in to originally do the 'Government and Other SSB News' catch all column, which died due to a lack of contributors. Mike went on to become our Membership Director (a fairly easy job when there are no dues to be charge!). Jason Berri, our former Speedx membership guy, came on as our official WUN worldwide Web site coordinator. Jim Navary took two columns
(Nautical News and QSL's); Jim Pogue took the Military column, Tim Braun brought his prior newsletter publishing experience to the table, and I took the Logs column and Review column (we ran out of volunteers!).

With Joel firing up the listserver the first Worldwide UTE News newsletter came out in February, 1995. Less than 50 days after the idea was stated! The first newsletter was 147k in size (this one is almost 1/2 meg!). Other editors and staff came on board in the months ahead.

When Joel's 'phoque' listserver died, we could not find a 'free ride' and the membership came to the rescue donating funds to buy time on a commercial server. I had planned on printing the entire list of names here this month of those who donated. However, Tim Braun suffered a hard drive failure and about 7 or 8 of the names could not be read from the list. Rather than omit a few, I will just thank you all. You know who you are. Especially our mysterious donor of US$100.00! With our recent move to grove.net saving us even more thanks to the generous donation of listserver space by Grove Enterprises, we have funds to last us over three years with increased www size and ftp availability. We have some other plans in the works to help fund the list and other internet services of the club. A big Thanks to all who chipped in.

I see WUN continuing to gain members as more and more ute folks find out about us. I would hope that more of the members become involved in sharing what they hear. Only about 12% share logs right now as an example. It may be 'local' to you, but a great 'catch' to others! Thanks to all who have contributed. I'm sure all the members share in my thanks to the staff and editors who devote a great deal of time to bring you these services and monthly newsletters. Now on with the show....

Rick "RD" Baker

MEMBERSHIP NEWS

Welcome to 1996. Where does the time go? Its hard to believe that we're celebrating out first anniversary already. From very modest beginnings we've grown into an international group with hundreds of members.

The latest membership statistics are very impressive. As of the beginning of January, WUN had a membership of about 746. This is broken down as follows: 489 members are subscribed to WUN. We have 167 people subscribing to the WUNNEWS list and 30 people subscribing to WUNDIGEST. Tim Braun's having computer problems, so I don't know how many copies of the paper edition are going out this month, but it's around 30 now. There are about 30 members are various non-internet connected systems.

The country list of the membership continues to evolve. In one form or another, we have people from 26 countries represented in the membership. In addition to countries I've mentioned in the past, we also have members from Singapore and from Tunisia.

I would also like to thank those of you who have taken the time to respond to the membership survey request. Speaking of the survey, I've had a couple of requests for extracts of membership data for particular countries so that a particular member could contact other residents of the same country. I had to turn down those requests because of the pledge of confidentiality we made when we originally asked for the information. It was suggested that I poll the membership and only release the information for those members agreeing to allow it.

I decided not to do that, though, because of the problems of keeping track of the list of people willing to have their information released and because of what would happen to the information once it was released. As an alternative, I suggested that the interested individuals put out a general call so that anyone interested in responding could do so. For anyone considering sending me their information, here is how to do it. The database management program I'm using can accept ASCII text. I am requesting that you answer each question on a separate line followed by a carriage return. Please do not include the question itself in the answer, just the information requested.

Here is the survey:

E-Mail Address
That about covers things for January. I've been hearing reports that conditions have been improving lately. I hope that they're true. It definitely about time. — Mike

===========================================================================
INTERNATIONAL CIVIL AERO
Editor: Tony Orr, 11404 Turnmill Lane, Reston, Va, 22091-3618 USA
E-mail: anthony.orr@wdn.com or a.camus@ix.netcom.com
Fidonet: 1:109/236

Co-Editor: Peter Ivakitsch, 803-73 Widdicombe Hill Boulevard, Weston, Ontario, CANADA M9R 4B3 Email:peter.ivakitsch@westonia.com
Fidonet: 1:250/930

Welcome again to another edition of International Civil Aero, brought to you by those wacky civil aero guys Tony Orr and Peter Ivakitsch. In this month's column, WUN member Vic Gubbins takes over editing the NEW AND IMPROVED selcall column, SELCAL CORNER, which incorporates MYSTERY SELCALs with a new, expanded tie-ups section which we hope you'll enjoy. We round out this month with an enlarged AIRLINE NEWS section and a look at one of the hottest frequencies around right now, 5670! Thanks to our contributors this month Wim de Mol, Vic Gubbins, Sir Thompson's Gazelle, Jerry Green, Steve McDonald, John Charlton and yours truly the Eds...read on for more Civil Aero Excitement!!!

===========================================================================
SELCAL CORNER
Hello WUNpersons- welcome to SELCAL CORNER, a new section of the ever growing WUN newsletter designed to increase your listening enjoyment by helping you identify those darned aircraft you listen to on HF. I'm Vic Gubbins, of Ontario, Canada and unfortunately I'm not internet-connected yet so please e-mail me via my old buddy Anthony Orr's e-mail address at the head of this civil aero section thanks.......

Starting here then with some tie-ups from last months WUN Mystery list:

ARFP          GES 061 DA900   EC-FEN
BJHL          AOM 201 DC10     F-GTGD
BMDR          FDX 4 MD11 N611FE
BQEH          MPH 644 MD11 PH-MCT
CMBD          WOA 117 DC10 N117WA EX N3024W
FGAH          EIA 951 B747 N482EV
FGAL          EWW 887 DC8 N961R
FHCE          DLH 8161 B747 N509MC ATLAS AIR A/C
FSBL          SDC 021 G4 102001 SWEDISH A/F
GKDF          PAC 6216 B747 N835FT
GKDJ          PAC 6216 B747 N850FT
GREF          AUA 3335 A340 OE-LAH
HJAB           CKT 077 DC10 OO-JOT
HSJP           AEL 707 B767 EI-CLS

* CLUES *
1. HQLR LOBO 825 This aircraft is definitely a C20 of the USN and with 3 selcals heard but needing tie-ups my guess for the series is:

   CHMR 165094
   HQKR 165152
   HQLR 165153

if anyone can tie these up definitively please do let me know...

*** And now onto December 1995:
Mysteries outstanding-
BQER          MAH 93 B747?
HSRM          AEA 164 B757
AJGQ           ARU 721 MD80? (NB N12FQ / MD80 is B7GJQ)
### Mysteries tied-up

(requested by Wim de Mol, Chris Swann, Sir Thompson's Gazelle, Big Joe, T.M.Himself and NM)

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*** A reshuffle of TWA B767 selcals has produced the following: ***

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any additions to this list would be appreciated.

* CLUES *

BDKL MTM 16 LR55 D- This aircraft belongs to a German air taxi (callsign SNOOPY) and is definitely a Lr55.

* NEW SELCALs FOR JANUARY *

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Pagina 4
ARINC OFFERS NEW HF DATA LINK SERVICE
October 11, 1995
Annapolis, Maryland, USA, October 11, 1995. -- ARINC Incorporated today announced that it will begin offering its GLOBALink/High Frequency (HF) service in the North Atlantic beginning November 1, 1995. GLOBALink/HF is an air/ground data link service using HF frequencies to enable ACARShequipped aircraft to communicate with the ground over oceans and other remote areas where traditional very high frequency (VHF) line-of-sight communications are not available. It allows users in previously inaccessible areas to access the full range of ACARS services available to VHF service users. The GLOBALink/HF service will use the HF data link ground infrastructure developed by AlliedSignal Commercial Avionic Systems of Redmond, Washington. AlliedSignal will continue to provide day-to-day operation of the system under contract to ARINC. The system, which has been operating since October 1992, has demonstrated excellent performance with greater than 95% success on first-attempt downlinks.

5670: A HOTBED OF ASIAN AERO ACTIVITY
For the past year, WUNnerers the world over have been reporting increasing civil aero activity on a previously unlisted frequency of 5670. If my memory serves me correctly, it was Bart Hoekstra in the Netherlands who first pointed this activity out to WUN. I have been able to compile the following list from a variety of loggings from WUN members Hoekstra, McDonald, de Mol, and John Charlton via snail mail. Thanks for your efforts guys!

Dhaka BANGLADESH, Madras INDIA, Kuala Lumpur MALAYSIA, Male MALDIVES, Colombo SRI LANKA and Yangon MYANMAR (BURMA)

I have also heard Nouakchott and Nouadhibou Aeradios operating on this frequency within the past few months, so perhaps with further monitoring we will be able to uncover more RDARA and MWARA stations operating here. If I have inadvertently left out any stations here, please do let me know!

TIP OF THE MONTH
Intrepid WUNner Wim de Mol of Wezep, the Netherlands also brings us this frequency for a bit of rare civil aero DX, 8948. Delhi, Nagpur, Bombay and Amedhabad Aeradios were all heard recently working regional flights at around 1400-1600 UTC.

AIRLINE NEWS
With peace in the former Yugoslavia now a real possibility, look for the resumption of scheduled service across the Atlantic by Jugoslovenski Aerotransport (JAT) in the very near future. To prepare yourself for this eventuality, here is the latest tentative "SUBJ GOVT APPROVAL" schedule for JAT:
JU 526 Belgrade-New York (JFK) DC10  Mon/Thu dep 1030 arr 1410
We have a few changes to note over the next few weeks including British Airways Concorde service from London (Heathrow) to Bridgetown, Barbados. SCC service BA272/273 now switches to Saturdays only, BA273 departure from LHR scheduled at 0930 with arrival BGI at 0945. The return trip BA272 departs BGI 1330 with arrival time LHR 2145. Air Canada is now operating 767-300ERs on the following flights: AC844/845 YYC-FRA Thurs/Sat/Sun, AC850/851 YEG-LHR on Wed/Sat/Sun, AC850/851 YMC-LHR daily, AC868/869 YZL-LHR except Saturdays, AC896/897 YVR-LHR Tues/Thu/Sat/Sun, and AC884/885 ZZJ-LHR on Tues/Thu/Sat. AC867 YMC-LHR is now being operated by an A340 on Sundays and Tuesdays only. Have you been dreaming of taking a trip to Kangerlussuaq lately? No? Well you should be, as this is one of the world's overlooked civil destinations. Otherwise known as Sondre Stromfjord, Greenland, Scandinavian Airlines System (SAS) callsign Scandi operates a 4 times weekly 767-300ER service between Copenhagen and the former Sondre Stromfjord. SK291 operates on Mon/Tues/Wed/Thu departing Copenhagen 1100 arriving Kangerlussuaq at 1200. SK292 leaves Kangerlussuaq's Sondrestrom Airport at 1245 arriving CPH 2105 on the same days.

Turkish Airlines has been substituting A310s for its A340s recently on the Istanbul-New York (JFK) route. TK581/582 operates with the Airbus on Wed/Thu/Fri/Sat, with an intermediate stop in an unknown city on the way over the mountain with A340s filling out the rest of the week's schedule. It's official! Virgin Atlantic Airways will begin daily London (Heathrow) -Washington Dulles (Dulles) A340 service to commence in late Spring 1996. Work around IAD is sometime in April...Finnair's Winter sked includes Helsinki-Miami AY133/134 operating on Tues/Sun and AY103/104 Helsinki-New York (JFK) service daily except Sundays, all with MD11 equipment. Don't forget that Air New Zealand operates Boeing 747-400s from LAX-FRA on Mon/Tues/Fri as NZ18 and from FRA-LAX as NZ19 on Tues/Wed/Sat. LAX-LHR service as NZ2 operates Wed/Thur/Fri/Sat/Sun and the return LHR-LAX segment NZ21 operates daily except Tues/Wed. Those Cubana IL62s keep on plugging away: Cubana ply the Havana-Gran Canaria route four times weekly, CU472 Gran Canaria-Havana on Mondays, CU473 Havana-Gran Canaria on Wednesdays, CU446 Gran Canaria-Havana on Thursdays and CU447 Havana-Gran Canaria on Fridays. Keep an ear out early next month for Angola Airlines IL62 service from Luanda to Havana via Sal's Amilcar Cabral International. DT700/701 usually operate during the first week of each month, the last set of flights occurring on the 7th and 8th of January. I'll keep you up to date on February's schedule as soon as I receive it...Aeroflot-Russian International Airlines (SU) of course still operate a large fleet of IL62's across the Atlantic, all of these flights route via Shannon, Ireland. A dead giveaway that you've logged an SU IL62 are the words "NEGATIVE SELCAL" in response to the ATC query "ARE YOU SELCAL EQUIPPED?" However, there are seven selcal-equipped Aeroflot IL62s out there, so you may be surprised to catch one of these flights listed below with selcal. Here is the latest schedule for these flights:

SU317/318 SNN-IAD/IAD/SNN Fri/Sun
SU319/320 SNN-JFK/JFK-SNN Fri
SU325/326 SNN-MIA/MIA-SNN Fri/Sun
SU327/328 SNN-ORD/ORD-SNN Fri
SU341/342 SNN-MIA/MIA-SNN Wed
SU355/356 SNN-MIA/MIA-SNN Mon
SU355/356 SNN-HAV/HAV-SNN Sat
SU357/358 SNN-HAV/HAV-SNN Thurs/Fri
operating the type on scheduled flight throughout Southeast Asia. Take Singapore Airlines subsidiary Silk Air which operates the F70 on the Singapore-Vientiane (Lao PDR) route. MI656 operates SIN-VTE Tues/Fri departing 1310 arriving Vientiane-Wattay 1510, and the return MI655 departing Vientiane after a quick turnaround at 1540 and arriving Singapore Changi at 1940.

Bouraq (Indonesia) is another HF possibility using the F70 on its routes to and from Ujung Pandang to Singapore: BO195 operates Mon/Thu/Sat departing 0910 and arriving Darwin at 1130. The return MZ851 departs 1230 and arrives Darwin at 1400. For monitors in Australia, Air Niugini and its vast domestic network of F28 routes offer an excellent opportunity to log the type on HF. Some possible frequencies to check would be 2998/4666/6532/6562/8861/8903/11384/13300. The Honiara-Port Moresby Air Niugini service PX083/PX082 on Wed/Sun, the Port Moresby-Wewak-Vanimo-Jayapura PX028/PX29 operating on Sundays, and the Cairns-Port Moresby PX099 departing Cairns at 0715 and arriving Port Moresby 0840, and PX098 Port Moresby-Cairns departing POM 1335 and arriving Cairns 1500 on Wed/Fri also provide good chances to hear an F28. Yet another F28 possibility is the Biman Bangladesh service between Bangkok-Yangon-Chittagong-Dhaka on Thursdays. BG084 Dhaka-Chittagong-Yangon-BKK departs Dhaka at 1100 arriving BKK at 1630, while the return BG085 departs BKK at 1715 arriving Dhaka at 2055.

In Africa, two airlines which may provide shots on HF are Air Mauritanie and Air Gabon. Air Gabon operate a number of domestic flights with the F28, but they also operate a number of flights for the Congolese national airline Lina-Congo. Late night Libreville-Pointe Noire (Congo) flights operate with Lina-Congo flight numbers and callsigns on Mondays GN/GC882 and Fridays GN/GC888, and GC/GN887 flies back after a short turnaround on Fridays. Flight number 882 departs Libreville at 2100 and arrives Pointe Noire 2210, 888 departs Libreville 2200 and arrives 2310. Flight 887 departs Pointe Noire for the return to the Gabonese capital at 2000 and arrives 2110. Remember that all times listed herein are local time only.

And with that we close yet another edition of International Civil Aero. Your contributions are always welcome here, and if you'd like to see a subject covered here that you think others would find interesting, please give one of us a shout. Thanks to all who took the time to contribute this month and we'll see you again next month with WUNNEWS....73 from Reston and weston

**************

ASK WUN
THE INFORMATION STATION FOR WUN MEMBERS
*****************************************************************************

This new section is here to deal with requests for help and information to and from WUN members. This column is for you to ask questions; to locate others with similar interests (even non-HF like SatCom or VHF aero); to locate or sell equipment; to ask about receiver problems, or to just ask about anything. If you have a question to ask then ask it via this new section.

*****************************************************************************

Send your requests to:- colin.goodall@sspd1.co.uk. Or by mail to

Pagina 7
Can anyone supply the selcals for the following aircraft?

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<td>340</td>
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<tr>
<td>340</td>
<td>D-ANST</td>
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<tr>
<td>340</td>
<td>D-APNT</td>
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<td>D-GRTT</td>
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<tr>
<td>340</td>
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<td>D-KRTT</td>
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<tr>
<td>340</td>
<td>D-LRTT</td>
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<tr>
<td>340</td>
<td>D-MRTT</td>
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<td>340</td>
<td>D-NRTT</td>
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<td>340</td>
<td>D-ORTT</td>
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<td>340</td>
<td>D-PORT</td>
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<td>340</td>
<td>D-QRTT</td>
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<td>340</td>
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<tr>
<td>340</td>
<td>D-TRTT</td>
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<tr>
<td>340</td>
<td>D-U RTT</td>
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<tr>
<td>340</td>
<td>D-VRTT</td>
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<td>340</td>
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<td>D-YRTT</td>
</tr>
<tr>
<td>340</td>
<td>D-ZRTT</td>
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</table>

Also, can anyone supply the Registration/Type for the following SELCALs.

<table>
<thead>
<tr>
<th>REGISTRATION</th>
<th>A/C TYPE</th>
<th>SELCAL</th>
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</thead>
<tbody>
<tr>
<td>bghf</td>
<td>kmcj</td>
<td>ahbm</td>
</tr>
<tr>
<td>jlpq</td>
<td>fgem</td>
<td>ckac</td>
</tr>
<tr>
<td>dmel</td>
<td>n137cl</td>
<td>fscj</td>
</tr>
<tr>
<td>vr-bng</td>
<td>acjk</td>
<td>zs-nlw</td>
</tr>
</tbody>
</table>

2. UNIDENTIFIED DIGITALS

FROM: David@dwgenti.demon.co.uk

The following list has been posted by David Gentile being unidentified items received during 1995. Can anyone help with IDs?

2187.5 GMDS 100/170 18:00 NONE UNLOC UNKNOWN COASTAL STA, 3606 ARQE 192/200
23:45 U/I UNLOC UNKNOWN, 4508.5 ARQE 72/400 1:20 U/I UNLOC UNKNOWN
23:45 U/I UNLOC UNKNOWN (71.99993), 4527.4 RTTY 75/400 18:48 U/I UNLOC UNKNOWN, 4836.5 ARQE 86/200
2:35 U/I UNLOC UNKNOWN (85.71407), 4990.2 ARQM2 200/400 16:24 U/I UNLOC
A request from John of London for the answer to a long standing decode mystery. In last months WUN newsletter Mr Chinsky of New York reported signals on 10627 and 11155. Well these same signals have been monitored by John for the last 8 years and he can add further to the mystery. There are always two transmissions on the air at the same time: one on 6917, 8030, 10600, 11155, 13595 or 15815 and the other on 7682.5, 9245, 10627, 10885.5, 13913 or 16280 KHz. Each of these frequencies are the assigned frequencies with actual carrier at 1.5 KHz below in each case. Normally both stations use frequencies in the same part of the spectrum and are of the same strength. From this it is reasonable to assume that they are being transmitted from the same site.

There could be even more frequencies on which they transmit and in previous years, when reception conditions were better, John has heard them 24 hours a day on one or other of those listed above. It has been suggested that the two stations transmit in parallel but John has heard one station idling unkeyed whilst the other was keyed. This suggests that they are not in parallel. These transmissions are always encrypted and use pseudo-random encryption at 75 baud, plain language has not been seen even for SVCs. The type of transmission is 6028 series FDM VFT.

Comparison with other signals in known locations of the world has failed to even hint at the location of these transmissions. Help please, from all you digital Wuners out there. WHO IS IT?

FROM: Andrew Everhart. Any help on these UNID's would be much appreciated.
appreciated. Address: aeverhart@iquest.net

TIME-L DATE-L   FREQ MODE NAME CITY
1159 1/1/96   0.34900 CW FV ????
1231 1/1/96   0.39500 CW XR ????
2110 1/1/96   4.23500 CW VAI ????
2023 1/1/96   4.26000 CW UNID ????
1845 1/1/96   4.28400 CW VCS ????
1833 1/2/96   6.46900 CW SXA24 ????
1845 1/2/96   6.49100 CW VCS ????
1849 1/2/96   6.49200 CW VCS ????
2154 1/1/96   8.43950 CW VCS ????
1845 1/2/96   12.87400 CW VCS ????
1417 1/4/96   16.94800 CW VCS ????

FROM: ary@bitbike.iaf.nl (Ary Boender)
I heard a couple of unid aircraft during the past year. Do you know to whom they belong? C-GMII (biz jet), D-AOHP, F-GZFG, OE-LRG, OO-CEC, PH-BRV, PH-DSE, PH-HET, PH-MRL, PH-UVR, PH-PSF, PH-RDT, PH-UKF31. Ary

That's it for this month!

Hello, I hope that you had a wonderfull Christmas and entered 1996 safely. WUN celebrates its first birthday that's where the ASCII birthday cake is for :)))

I am glad that WUN became such a success. It is nice to know that so many Ute dxers from all over the world joined us. In case you didn't know it yet, WUN is THE place to be. The complete 'Who is Who' of the Ute-dx-community joined WUN, but where are their contributions ????? Right, enough small talk for now. Let's get digital. Oh, don't forget to send me all your info and stuff......

New monthly item ???

Following the item about the Dutch MFA and embassies, I received a few requests for a regular diplo item. OK with me ! This is what I have in mind: the items should be brief _hmmm... who said brief _grin_ and to the point, including stations and frequencies, transmitting mode(s) and typical sample messages. Right WUNnies, I need your help with this ! Please, send me all the diplo stuff that you can find, especially freqs and sample messages. My address is in the header. Thanks for your cooperation.

Testing... one.... two....

Roberto Robba copied the Bulgarians while testing a whole bunch of (new ?) frequencies on 27 December. MFA Sofia tested with 'SOB', their embassy in Bucharest, and an unid embassy (LZU7). The tests started at 13.00 UTC and lasted for ca 1,5 hours. RY's and operator chatter were in normal 75bd RTTY while the 'real' messages were in 300bd IRA ARQ. Freqs: 4806, 5355, 5360, 5433, 5864, 6706.2, 6784, 6792, 7410 kHz. Here is part of the test transmission which started in 75bd Baudot.

sob sob sob ryryryryryryryryryryryryryryryryryryryryryryryryryryryryryr
sob sob sob ryryryryryryryryryryryryryryryryryryryryryryryryryryryry

Then 300bd IRA ARQ messages, followed by 75bd Baudot operator chatter.

bk bk
xse ur th omis
ga zok 3/4
zrr 300
The station then starts again with 300bd IRA ARQ. 5433 kHz is now parallel with 7410 kHz. At the end the station switches to Baudot and this text was sent: 'sob sob sob ryryryryryryryryryryryryryryryryyry pse zaal 6792' after which it switches back to 6792 kHz.

THE challenge

In November I challenged you to check out 12395 kHz. Bert van Rij and Michiel Schaay did so and copied many vessels and Bert found also three other freqs. Ronny Peeters and I did some research. This is what we found. Any info from other members is most welcome.

1) Frequencies: 8340 and 12395 kHz (ship) / 8404 and 12575 kHz (shore). There are probably also 4 and 16 MHz freqs but we didn't hear them yet. It is clearly a company network. All companies are located in Athens but I am not sure if they are related.

2) Shipping companies involved: Dynacom Tankers Management, Athens (D), Agency Trust Ltd, Athens (A), Centrofin Management Inc, Athens (C), Sea Traders SA, Athens (S)

3) Apparently all companies (or is it one station that communicates on behalf of them ?) use selcal MPKV (4530) which was originally assigned to the USSR and has no official user now.

4) All vessels are registered in Greece, Cyprus or Malta, most of them are tankers. Here follows a list of the vessels heard 'till 15 January. Listed are the internal callsigns (INT1, INT2), the name of the vessel, the company, callsign, selcalnr and selcal.

| INT1 | INT2 | SHIP’S NAME | COMP | CALLSIGN | SELCALNR | SELCAL |
|======|======|=============|======|==========|==========|========|
| 191  | Apanemo | C | SVQJ | 16952 | CAPQ |
| 111  | Athos | C | SXZK | 16956 | CAPC |
| 515  | Barenbels | A | SZHI | 16912 | CAXQ |
| 223  | Georgios | A | P3AR 4 | 01768 | BYCF |
| 357  | Iriana | A | P3BS 2 | 56395 | RKAP |
| 201  | Leni | C | SZSE | 16963 | CACK |
| 242  | Livorno | ? | ? | ? | ? |
| 356  | Nilos | C | SXAA | 17036 | YTKC |
| 323  | Ninemia | C | SWCF | 16866 | CDCC |
| 362  | Oak | S | 9HDA 4 | 63368 | EKCD |
| 363  | Riza | D | 9HIA 4 | 24230 | MQEV |
| 352  | Tom | D | 9HDZ 4 | 63378 | EKYD |
| 363  | Saturn | D | 9HDH 4 | 63374 | EKOY |
| 352  | Yvory | D | P3WF 2 | ? | ? |

The following internal callsigns were also heard, but so far we were
unable to glue them to any of the vessels: 060, 090, 124, 171, 222, 235, 241, 262, 424, 525, 565, 666, 828, 929, 969

Sample message: mt Riza is calling the shore station (MPKV) and transmits a position report to Dynacom Athens. The internal callsign is mentioned at the beginning of the 5th line (G3F63). The message is a bit garbled at places.

mpkv mpkv mpkv mpkv mpkv mpkv mpkv mpkv mpkv mpkv mpkv mpkv mpkv mpkv mpkv
mpkv mpkv mpkv mpkv mpkv mpkv mpkv mpkv mpkv mpkv mpkv

24230 riza x 07/01/1996 10:25:14 to: dynacom athens fm: m.t.riza
g3f63 06/01/96/riz/042/96 lt 1200 attn: operations gp3

noon msg
vsl at bound omisalj eta 08jan96 0800z
posn : 3704n 02056e
stmg time/-55) : 18.1/18.1
spd md gd/av : 12.49/12.49
cmg : var
tot dist/dtg : 226/597
sea/air temp : 12
wind st sea : nw-4 moderate
av l.i. : 7.1
consmpn : h.o: 56.1, d.o: 2.8
r.o~mb. : ho: 1734.6, do: 265.2
18.0/(25+8)
me sump tk lvl : 34 cum
~m/e lo pr b4/aft: 4.0/3.6
scav ai~ ~emp/pr: 44/0.56
a/e l.o.pr : 4.9/4.6
a/e ex gas temp : 300/310/310/310/315/315/310/300/300
tot load : 310
b/rgds
master

SOUD update
-------------

It seems that I made two serious bloopers in WUN#12. Sorry for that. The first one was in the SOUD update when I told you that the end that sends MIG is definitely in Managua. Well, that is true but the other end that sends WFO is NOT the Russian legation in NY. It is the large Russian transmitter site just outside Havana - the same site from which the other (one-way broadcast) SOUD transmissions come.

Guy Dennman from Portsmouth, UK, copied a new SOUD station on 7920 kHz using link-id 00074. This sked starts at ca 14.45 UTC. Guy also enclosed a recent sked for a bunch of the European transmissions.

<table>
<thead>
<tr>
<th>Freq.</th>
<th>UTC</th>
<th>to</th>
<th>link</th>
</tr>
</thead>
<tbody>
<tr>
<td>12193</td>
<td>14.10</td>
<td>KUL</td>
<td>00142</td>
</tr>
<tr>
<td>14980</td>
<td>14.10</td>
<td>RAU</td>
<td>00070</td>
</tr>
<tr>
<td>10584</td>
<td>14.20</td>
<td>KUL</td>
<td>00142, repeat of 12193</td>
</tr>
<tr>
<td>12180</td>
<td>14.30</td>
<td>RAU</td>
<td>00070, repeat of 14980</td>
</tr>
<tr>
<td>10767</td>
<td>14.30</td>
<td>BFR</td>
<td>00030</td>
</tr>
<tr>
<td>5775</td>
<td>15.25</td>
<td>WQL</td>
<td>80061, working VNB on 6862</td>
</tr>
<tr>
<td>6862</td>
<td>15.25</td>
<td>VNB</td>
<td>80061</td>
</tr>
<tr>
<td>7920</td>
<td>14.45</td>
<td>?</td>
<td>00074</td>
</tr>
<tr>
<td>15735</td>
<td>16.10</td>
<td>FOX</td>
<td>60003</td>
</tr>
<tr>
<td>12195</td>
<td>16.30</td>
<td>GOD</td>
<td>00090</td>
</tr>
<tr>
<td>10277</td>
<td>16.45</td>
<td>?</td>
<td>?</td>
</tr>
</tbody>
</table>
Edgar White sends us a couple of loggings along with his best wishes for '96. Thanks Edgar, it is a good update to the America's sked.

Route Indicators revisited

Blooper in ZEN procedure: I erroneously stated that the prefix ZEN means that the station has the same routing indicator (RI) as the addressee. This is dead wrong, my humble apologies folks :h) A ZEN address followed by a RI means that the addressee will receive its message in another way, NOT during the transmission that you copied. I'll give you an example: say you copied a message from naval station DXWUN to: RUWUN / WUN HQ
RUWEB / WUN WWW HQ
ZEN RUWDR / WUN DR

This means that the station who transmits this stuff will send a message to RUWUN and RUWEB right now, normally by using some digital mode and that RUWDR will receive its message in another way, by snail-mail, satellite, pigeon or whatever.

I recently received a nice utility called 'IDENT' that roughly determines the kind of military force that you are hearing. It will show you the type of station (strategic or tactical), their origin, the area where they operate, the force or organisation (Air Force, Army, Navy, Min. of Defense, Min. of Foreign Affairs, etc) and finally the (sub) unit (HQ, brigade, unit). In case you are interested, I can send it to you in the following formats: UUencode, BinHex and Mime.
French Forces use 128.5bd ARQ-M

WUNner Ed "Dizzy" Deasy (ejd4e@poe.acc.virginia.edu) sent us the following interesting notes:

I've noted the use of 128.5 bd, CCIR 342 (TDM, Moore, etc.) in FDM groups for about 3 years now. It has literally taken me this long to get around to posting something on it! I haven't actually seen this mode/baud combination posted elsewhere over that period. This appears to be essentially one circuit between Papeete, Tahiti and the nuclear test center on Mururoa (atoll??). Nothing "secret" (or particularly interesting) on this circuit though, just meteo from "meteociv Papeete", and AFP news summaries. There is very rarely the typical 5-let group traffic or non-protege messages. I have not _confirmed_ the return duplex link from Mururoa. As you can see from the loggings, the circuit is commonly found even at my East coast U.S. location. If conditions are moderately good I can and do generally tune across one of the circuits. Perhaps some "left coasters" can assist in finding the return legs. It would be quite a catch from Europe.

I find it difficult to synch this signal on my M-7000, which only has 128 or 129bd to choose from. Works fine on the Code3. I left the mode tag off the following list, all being CCIR 342.

<table>
<thead>
<tr>
<th>FREQ.</th>
<th>GMT</th>
<th>BAUD/SHIFT</th>
<th>CALL/ID</th>
<th>QTH</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>4557.30</td>
<td>0327</td>
<td>128.5/100</td>
<td>?</td>
<td>?</td>
<td>??</td>
</tr>
<tr>
<td>4567.30</td>
<td>1138</td>
<td>128.5/100</td>
<td>?</td>
<td>?</td>
<td>Idling only</td>
</tr>
<tr>
<td>4607.40</td>
<td>0311</td>
<td>128.5/85</td>
<td>?</td>
<td>?</td>
<td></td>
</tr>
<tr>
<td>5091.60</td>
<td>1202</td>
<td>128.5/100</td>
<td>?</td>
<td>?</td>
<td>Beta,CCIR 342</td>
</tr>
<tr>
<td>5447.60</td>
<td>1107</td>
<td>128.5/120</td>
<td>?</td>
<td>?</td>
<td>Idle only, another narrow tdm 128 in FDM group</td>
</tr>
<tr>
<td>6820.40</td>
<td>1329</td>
<td>128.5/100</td>
<td>&quot;RFHHO&quot;</td>
<td>?</td>
<td>&quot;MCA meteo&quot;, channel 2</td>
</tr>
<tr>
<td>6884.40</td>
<td>1244</td>
<td>128.5/100</td>
<td>&quot;RFH3&quot;</td>
<td>Tahiti</td>
<td>meteo channel one and two &quot;RFHJNGW&quot;</td>
</tr>
<tr>
<td>6902.20</td>
<td>1224</td>
<td>128.5/100</td>
<td>?</td>
<td>?</td>
<td>???</td>
</tr>
<tr>
<td>9140.90</td>
<td>0326</td>
<td>128.5/100</td>
<td>?</td>
<td>?</td>
<td>Meteo on Channel 2</td>
</tr>
<tr>
<td>9267.90</td>
<td>1207</td>
<td>128.5/85</td>
<td>?</td>
<td>?</td>
<td>Once again, an FDM group with 342 128.5</td>
</tr>
<tr>
<td>10471.50</td>
<td>0326</td>
<td>128.5/90</td>
<td>?</td>
<td>?</td>
<td>Idle</td>
</tr>
<tr>
<td>10476.80</td>
<td>0334</td>
<td>128.5/100</td>
<td>?</td>
<td>?</td>
<td>Idle</td>
</tr>
<tr>
<td>10581.30</td>
<td>0244</td>
<td>128.5/85</td>
<td>?</td>
<td>?</td>
<td>5 in FDM group, wx, FF msg.</td>
</tr>
<tr>
<td>10586.90</td>
<td>0313</td>
<td>128.5/100</td>
<td>?</td>
<td>?</td>
<td>Idle</td>
</tr>
<tr>
<td>10705.30</td>
<td>0207</td>
<td>128.5/85</td>
<td>?</td>
<td>?</td>
<td>Idle</td>
</tr>
<tr>
<td>10710.90</td>
<td>0441</td>
<td>128.5/100</td>
<td>?</td>
<td>?</td>
<td></td>
</tr>
<tr>
<td>10857.50</td>
<td>0929</td>
<td>128.5/100</td>
<td>&quot;RFHWW&quot;</td>
<td>Papeete</td>
<td>Meteociv, CI = &quot;IOA&quot; &amp; &quot;IOC&quot;</td>
</tr>
<tr>
<td>11106.30</td>
<td>0155</td>
<td>128.5/100</td>
<td>?</td>
<td>?</td>
<td>Idle</td>
</tr>
<tr>
<td>11126.30</td>
<td>0409</td>
<td>128.5/85</td>
<td>&quot;RFHWW&quot;</td>
<td>Papeete</td>
<td>in TDM, 5 number coded wx</td>
</tr>
<tr>
<td>11131.90</td>
<td>0304</td>
<td>128.5/100</td>
<td>&quot;RFHWWG&quot;</td>
<td>Papeete</td>
<td>Meteociv Papeete, Ch B</td>
</tr>
<tr>
<td>11131.90</td>
<td>1049</td>
<td>128.5/90</td>
<td>&quot;RFHWWO&quot;</td>
<td>Papeete</td>
<td>C.I. = &quot;IOA&quot; Meteo, Pres</td>
</tr>
<tr>
<td>11468.80</td>
<td>0513</td>
<td>128.5/100</td>
<td>?</td>
<td>?</td>
<td>CCIR 342 Idle, 2 Channel</td>
</tr>
<tr>
<td>13432.90</td>
<td>0109</td>
<td>128.5/100</td>
<td>&quot;RFHWWO&quot;</td>
<td>Papeete</td>
<td>Meteociv Papeete, C.I.=&quot;IOC&quot;</td>
</tr>
<tr>
<td>13882.40</td>
<td>0200</td>
<td>128.5/100</td>
<td>&quot;RFHWWOG2&quot;</td>
<td>Papeete</td>
<td>in FDM, Meteo, C.I. = &quot;IOD&quot;</td>
</tr>
<tr>
<td>13887.90</td>
<td>0131</td>
<td>128.5/100</td>
<td>&quot;RFHWWO&quot;</td>
<td>Papeete</td>
<td>in FDM, C.I. = &quot;IOA&quot;</td>
</tr>
<tr>
<td>13993.60</td>
<td>2335</td>
<td>128.5/100</td>
<td>?</td>
<td>?</td>
<td>Idle</td>
</tr>
<tr>
<td>14336.90</td>
<td>0102</td>
<td>128.5/100</td>
<td>&quot;RFHWWTCV&quot;</td>
<td>Papeete</td>
<td>FF press and admin. msg.</td>
</tr>
<tr>
<td>14592.60</td>
<td>0207</td>
<td>128.5/100</td>
<td>&quot;RFHWWG&quot;</td>
<td>Comsup,</td>
<td>AFP Press in Papeete FF.,</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>meteociv papeete, 5 lg's</td>
</tr>
<tr>
<td>14592.88</td>
<td>0340</td>
<td>128/140</td>
<td>&quot;RFHWWTG&quot;</td>
<td>Papeete</td>
<td>METEO W/FRENCH NEWS ON CH. B.</td>
</tr>
</tbody>
</table>
Fax news from Marius Rensen’s Home Page

- The NWS is bringing on line a new computer system to deliver radiofax charts to USCG Marshfield (NMF Boston). Initially satellite pictures will be unavailable via this system. (Notice to Mariners at 1430 UTC via USCG Boston).

- Offenbach Meteo will not discontinue facsimile broadcasts before March 1996 so you still have a chance to log and QSL them.

- US Navy will not discontinue facsimile broadcasts before 1997.

- CNA Taipei transmitting now at 0900 UTC (0800 and 1500 UTC cancelled).

- USCG Boston has a new frequency: 9110 kHz

- The US Coast Guard has a continuing requirement to distribute marine weather charts to its cutters by radiofax. A decision concerning broadcasting this information for public safety purposes has not yet been made, but is expected after the first of the year.

- The UNID station on 14626 kHz is confirmed by Robert Margolis as CZW, Maritim Air Group (MAG), Halifax, NS, Canada. Robert has logged CZW on 14627 kHz at 0200 1420 1430 and 2030 UTC on three different occasions, having last monitored it on Aug. 22, 1995 at 1415 UTC. There is no regular sked for these transmissions. Other listed frequencies are 4618 and 6917 kHz.

What did you hear in 1995?

Stan Scalsky browsed thru all our 1995 loggings -poor guy- <grin> and figured out that the following modes were logged. He remapped some of the odder labels into their more conventional names. For those who wanna know more about these modes, I strongly suggest that you get a copy of the Digital FAQ version 2.0. I think that every digital dxer should have a one. The FAQ is available from our WWW Home Page.

<table>
<thead>
<tr>
<th>MODE</th>
<th>COUNT</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>81-81</td>
<td>14</td>
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<tr>
<td>ARQ-E</td>
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<tr>
<td>ARQ-E3</td>
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<td>ARQ-M4</td>
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<td>ARQ-N</td>
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<tr>
<td>ARQ6-90</td>
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<tr>
<td>ASCII</td>
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<td>BAUDOT</td>
<td>1146</td>
<td>Includes marine frequencies</td>
</tr>
<tr>
<td>BPSK</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>CIS-14</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>COQUELET</td>
<td>13</td>
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</tr>
<tr>
<td>CROWD36</td>
<td>26</td>
<td></td>
</tr>
<tr>
<td>CW</td>
<td>66</td>
<td></td>
</tr>
</tbody>
</table>
DUP-ARQ | 18 | ARTRAC mapped to DUP-ARQ
FAX | 220 |
FEC-A | 64 |
FSK | 5 |
GhTOR | 2 |
HF-ACARS | 8 |
IRA-ARQ | 5 |
MS5 | 21 | Russian vocoder
OQPSK | 23 |
PACKET | 9 |
PACTOR | 27 | All forms of pactor in this category
PICCOLO | 16 |
POL-ARQ | 57 |
PSK | 4 |
QPSK | 11 |
ROU-FEC | 40 | RUM-FEC mapped to ROU-FEC
RS-ARQ | 10 |
SI-ARQ | 6 |
SITOR-A | 1387 | Includes marine frequencies
SITOR-B | 156 |
SPREAD | 1 | Bauer loggings mapped to SPREAD
SWED-ARQ | 15 | All SWED forms mapped to SWED-ARQ
TADIL-A | 2 |
TT2300b | 16 |
TWINPLEX | 48 | F7B mapped to TWINPLEX
VFT | 28 | All forms of VFT mapped to VFT

No loggings found for ARQ6-70, ARQ6-98, AUTOSPEC, CIS-11, CIS-21, CLOVER, HNG-FEC, MIL188 or SI-FEC.

That's all I have for this month. CU soon! -Ary-

The WUN Military Column
Jim Pogue, editor (kh2ar@aol.com)
P.O. Box 3888
Memphis, Tn 38173-0888, USA

Hello and welcome to the first WUN Military Column for 1996. Lots of hot information for military monitors, so buckle-up and away we go.

BOSNIA: Although not purely military, Tom Sundstrom passes along this tip from that part of the world. The Hungarian News Agency was copied on 9114 kHz with press in English at 1700 UTC. He says his settings were 50/425/R on his M-6000. He adds that you can get press teletype listings from his "News You Can Use" page at http://www pics.com/trs/news_use.htm

CHINA (Republic) NAVY: The Taiwanese Navy is not letting any barnacles form that might put it behind mainland China's navy. It is building seven more near-sisters to U.S. Oliver Hazard Perry-class guided missile frigates, is having built six La Fayette-class frigates in France, and is purchasing retired Knox-class frigates from the United States. One of them, the former-USS Joseph Hewes (FFT-1078) is now the Lan Yang (935).

FRENCH AIR FORCE: The French fighter "Rafale" is facing some rough times. The rising costs of the plane is reason for yet more criticism from the French Air Force and the French government. Chief Air Force Staff said "the Rafale is currently using no more than 80% of its capability". Due to these high price-tag's the delivery of 234 ordered fighters will not begin until the year 2001/2. The French Marine (navy), which ordered 86 fighters will not receive any until the year 2005 where 1999 was the original delivery date.

GERMAN NAVY (Bundesmarine): The second Brandenburg-class 123 frigate, the FGS Schleswig-Holstein (F216)/DRAI was seen conducting sea trials last September. It was expected to commission in December.
MILITARY AIRCRAFT: The latest Harrier "jump-jet" is named the GR7 and is still the only operational VSTOL-plane that has got extra night-operation heat-sensing equipment. The GR-7 has 9 weapon-attach points - 2 are reserved for the sidewinder missile.

MILITARY INTELLIGENCE: John Pike recently posted what is called a "Comprehensive Guide to Intelligence-related Resources on the Web." Much of the information is anti-military, but it still makes for some interesting reading. He says a good entry point is http://www.fas.org/pub/gen/fas/irp/intelwww.html

Some other sites he mentions are:
- Federation of American Scientists: http://www.fas.org/pub/gen/fas/
- Intelligence Reform Project: http://www.fas.org/pub/gen/fas/irp/

MOROCCAN NAVY: The French Leroux et Lotz Naval has delivered the 210-foot long offshore patrol vessel Rais Bargach to the Moroccan government. It is the first of four to be delivered to the North African country.

NASA: NASA has issued a draft Cooperative Agreement Notice for the design, fabrication and flight test of the X-33 advanced technology demonstrator -- the next step in development of a new generation of reusable launch vehicles that will dramatically reduce the cost of putting payloads into orbit.

"We are seeking comments on the draft notice by Jan. 22, 1996, from industry and any other interested parties," said X-33 project manager Gene Austin. "We will consider these comments before issuing the actual Cooperative Agreement Notice in April 1996."

The April notice will solicit proposals for a joint government and industry effort to demonstrate single-stage-to-orbit technologies by means of the X-33. Three aerospace companies -- Lockheed Martin Skunk Works, McDonnell Douglas Aerospace and Rockwell International Corp. -- have been working with NASA since March on concept definition and design of the X-33 in Phase I of the program. NASA will select an industry partner to work with in Phase II, in which the X-33 will demonstrate vehicle reusability and operability concepts that assure low cost operations and rapid processing for reflight. Phase II will culminate in flight testing of the X-33, beginning in early 1999.

"X-33 is an experimental program intended to determine if single-stage-to-orbit will work," Austin said. "It will give government and industry the means to decide by the end of this decade the feasibility of developing an operational next-generation reusable launch vehicle. That development, if it occurs, will be led by industry."

NASA and industry will share costs during Phase II of the X-33 program, with NASA budgeting a total of over $900 million in expenditures through 1999. The amount its industry partner will invest is to be determined.

Industry proposals will be due mid-May 1996, and NASA expects to select its industry partner by July, subject to approval from the White House to proceed into this next phase of the X-33 program.

The X-33 draft Cooperative Agreement Notice is available in the NASA Acquisition Internet Service at:

http://procure.msfc.nasa.gov.
ROYAL NEW ZEALAND NAVY: New Zealand launched the first of two ANZAC-class frigates, HMNZS Te Kaha (F77), in July of 1995. It is expected to commission in March of 1998. Australia is also building a total of eight sisters in continuing efforts to modernize its navy.

SOUTH AFRICAN DEFENCE INDUSTRIES: The South-African attack-helicopter "Rooivalk" seems to become a big success. On the basis of the Puma-helicopter that was licensed to South-Africa the Rooivalk and a transport-helicopter named Oryx was developed. The fact that there were no Hellfire-rockets available for the Rooivalk, made the British army decide not to buy them. The answer for the African attack-helicopter-project came as the "Mokopa," a low-cost hellfire-clone shown at the Dubai air-show late 1995. This laser-guided missile seems to be a good alternative for the hellfire and there is serious interest for ordering these systems by the Arabic and Asian governments. The "Suïd Afrikaanse Lugmag" is expected to order 16 rooiwack's.

SWEDISH DEFENSE INDUSTRIES: The Swedish firm Bofors introduced a new demining vehicle. The system is based on a German Leopard-1 tank-frame and has a "roller" in front which has his own engine and is capable of demining 20,000 square-meters within the hour. The vehicle was introduced in the VN-white colors and can be used to clear a complete battlefield from mines and unexploded ammunition by grinding the soil to a depth of 50 centimeters. The changing of the "roller" only takes up to 10 minutes. The Norwegian relief-organizations showed great interest for the de-mining activities in Cambodia, Northern Iraq, Mozambique and Angola and has placed the first orders.

The Swedish Army is in for mobility, not only is the 40L70 AA-canon mounted on a 6 x 6 terrain vehicle, also the 105mm FH-77 AA-gun from Bofors is now mounted on a 6 x 6. These vehicles have an extensive navigation system on board and can, beside the crew, take 24-granates on board. The FH-77B is capable of firing 3-granates in 13 seconds (!) but over a long period this fire speed drops to 8 granates per minute. The maximum firing-distance is 30 Km.

U.S. AIR FORCE: The C-17 US-military air transport has reached its operational status just before the air-lift to Bosnia. The Pentagon decided to order 80 C-17 airlifters on top of the 40 planes already ordered. The fact that 8 C-17's take up as much room, on the ground, as 3 C-5's or Boeing 747's played an important role in the decision.

U.S. ARMY: The U.S. Army recently accepted delivery of its 50th RC-12 Guardrail signals intelligence aircraft--an RC-12P that employs fiber optics for all data, commands and audio distribution.

A couple of U.S. Army watercraft recently identified are:

USAV MG Nathanael Greene (LT-801) -- AAFB
USAV COL Seth Warner (LT-806) -- ADTK

Both vessels were recently heard underway in the vicinity of Charleston, SC. These "large tugs" are both based out of Ft. Eustis, VA.

Mike Sullivan passes along a Web site with info on U.S. Army communications. Lots of interesting material on Army commo units around the world. It is: http://www.gordon.army.mil/roa/active_units/world.html

U.S. COAST GUARD: The USCG announced in late December that the Differential Global Positioning System (DGPS) is expected to be operational for navigation and positioning in January 1996. DGPS is the regular Global Positioning System (GPS) with an additional correction signal. The service being deployed by the CG will soon consist of 48 DGPS broadcast sites providing coastal coverage to the continental United States, the Great Lakes, Puerto Rico and portions of Alaska, Hawaii and the Mississippi River.

For a wealth of interesting information about the U.S. Coast Guard, check out retired Coast Guard Communications Warrant Officer Fred Siegel's Web page. Fred used to be the detailer for Radiomen (i.e., he assigned all
Radiomen their duty station orders around the globe). As a matter of fact, he gave your author his first set of orders to RADSTA GUAM/NRV - exactly the assignment he wanted. Check out Fred's Place at:

http://www.cris.com/~fsiegel/home.html

You can also email him at fsiegel@cris.com for more info on his homepage. He also passes along the web site address for the TV show "Coast Guard The Series." Have a look at:

http://www.tamcomm.com/CGSTV.html

And why not have a look at the Coast Guard's own page. You can find it at:

http://www.dot.gov/dotinfo/uscg/

Mike "Smitty" Smith, QSL manager at USCG CAMSLANT Chesapeake/NMN, passes along the latest info sheet on his station:

NMN

COAST GUARD COMMUNICATIONS AREA MASTER STATION ATLANTIC

COAST GUARD CAMSLANT CHESAPEAKE VA/NMN RECEIVER/OPERATION SITE IS LOCATED IN CHESAPEAKE VA WHICH IS ON THE VIRGINIA AND NORTH CAROLINA BORDERS (36-36.57N/076-15.25W). CAMSLANTS TRANSMITTER SITE IS LOCATED IN A REMOTE SECTION OF VIRGINIA BEACH KNOWN AS PUNGO (36-43.43N/076-00.36W). CAMSLANT ALSO REMOTELY CONTROLS TRANSMITTERS/RECEIVERS IN MIAMI FL. CAMSLANT'S MISSION IS TO PROVIDE LONG RANGE COMMUNICATIONS SERVICES TO COAST GUARD VESSELS, AIRCRAFT, NATIONAL OCEAN AND ATMOSPHERIC ADMINISTRATION (NOAA) VESSELS, WORLDWIDE MERCHANT FLEET AND U.S NAVY VESSELS. CAMSLANT ALSO PROVIDES WEATHER BROADCASTS, MARINE INFORMATION ADVISORIES AND DISTRESS COMMUNICATIONS TO THE BOATING PUBLIC.

CAMSLANT USES THE HARRIS R-2368/URR RECEIVER WITH A VARIETY OF VERTICAL, HORIZONTAL, AND LOOP ARRAY DIRECTIONAL ANTENNAS. CAMSLANTS TRANSMITTERS CONSIST OF THE COLLINS HF-80/HARRIS 7405 TRANSMITTERS FOR HIGH FREQUENCY VOICE, SITOR, AND RTTY COMMUNICATIONS USING 5KW AND TWO NAUTEL NX 5000TT/6 MEDIUM FREQUENCY TRANSmitters FOR NAVTEX MODES UTILIZING A VERTICAL ANTENNA. CAMSLANT ALSO HAS ONE RECEIVE AND TRANSMIT ROTATABLE LOG PERIODIC ANTENNA WHICH IS USED FOR DIRECTIONAL COMMUNICATIONS SUPPORT WHEN REQUIRED.

USING A GENERAL COVERAGE RECEIVER YOU CAN LISTEN TO NMN ON:

<table>
<thead>
<tr>
<th>Circuit</th>
<th>Transmit</th>
<th>Receive</th>
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</thead>
<tbody>
<tr>
<td>(HF)(USB)</td>
<td>5696.0KHZ</td>
<td>5696KHZ</td>
</tr>
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<td>8983.0KHZ</td>
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</tr>
<tr>
<td>11202.0KHZ</td>
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<tr>
<td>AIR TO GROUND(VOICE)</td>
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<tr>
<td>CH 424</td>
<td>4426.0KHZ</td>
<td>4134KHZ (2300Z-1100Z)</td>
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<tr>
<td>CH 816</td>
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<td>CH 1205</td>
<td>13089.0KHZ</td>
<td>12242KHZ (1100Z-2330Z)</td>
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<tr>
<td>SCN(VOICE)</td>
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<td></td>
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<tr>
<td>CH 44</td>
<td>6314.3KHZ</td>
<td>6264.5KHZ (2300Z-1100Z)</td>
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<tr>
<td>SITOR(AQ)</td>
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<tr>
<td>CH 824</td>
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<td>8388KHZ</td>
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<td>CH 1227</td>
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<td>12490KHZ</td>
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<td>CH 1627</td>
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<tr>
<td>CH 2227</td>
<td>22387.8KHZ</td>
<td>22297.5KHZ (1100Z-2300Z)</td>
</tr>
</tbody>
</table>

IF YOU HAVE ANY QUESTION, COMMENTS, OR SWL REPORTS SEND TO:

COMMANDING OFFICER
U.S. COAST GUARD CAMSLANT
4720 MILEPOST ROAD
CHESAPEAKE, VA 23322-4399
ATTN: TC3 M.L. SMITH

INTERNET ADDRESS FOR QSL MANAGER: ZUTSmitty@aol.com

U.S. NAVY (Military Sealift Command-MSC): MSC's military tanker fleet, which was operated under a long-term charter arrangement by International Maritime Carriers of New York until 1994, has been sold to foreign interests. Here's the disposition of the fleet:

<table>
<thead>
<tr>
<th>MSC Vessel</th>
<th>New name</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>USNS Sealift Antarctic</td>
<td>Renata II</td>
<td>Panama flag</td>
</tr>
<tr>
<td>USNS Sealift Arctic</td>
<td>Vandou</td>
<td></td>
</tr>
</tbody>
</table>
USNS Sealift Pacific   Patty Ann   Sold to Patricia Navigation
USNS Sealift Atlantic  Mavra
USNS Sealift Caribbean  Santa Chiara   Sold to Sta. Sofia Maritime
USNS Sealift Mediterr.  San Marco
USNS Sealift China Sea   San Ambrogio
USNS Sealift Indian Ocean Santa Anna

The vessels have been replaced by a number of private tankers, including the Duchess, Patriot and Courier. The New York Sun has also been brought into the MSC fleet.

The coastal minehunter USS Cormorant was christened recently by Avondale Industries. It is the seventh of a class of 12 vessels. It is 188 feet long, has a glass reinforced plastic hull and is the first class of ships designed solely for minehunting for the U.S. Navy.

The U.S. Navy's seventh Aegis destroyer, USS Benfold (DDG-65) was delivered by Ingalls Shipbuilding on December 4. The Benfold is the first U.S. Navy ship to be built form the keel up with habitability modifications necessary to fully integrate women into its crew. Of a crew of 330, 46 are women.

Dave Alpert passes along the Web site for the U.S. Naval Observatory. It is:  http://tycho.usno.navy.mil/time.html

US MILITARY SHIP ORDERS: Here is a list of ships presently on order for the US Navy and Coast Guard:

<table>
<thead>
<tr>
<th>Vessel name</th>
<th>Type</th>
<th>Agency</th>
<th>Builder</th>
</tr>
</thead>
<tbody>
<tr>
<td>USS Robin</td>
<td>MHC</td>
<td>US Navy</td>
<td>Avondale</td>
</tr>
<tr>
<td>USS Oak Hill</td>
<td>LSD</td>
<td>US Navy</td>
<td>Avondale</td>
</tr>
<tr>
<td>USNS Laramie</td>
<td>T-AO</td>
<td>US Navy</td>
<td>Avondale</td>
</tr>
<tr>
<td>USS King Fisher</td>
<td>MHC</td>
<td>US Navy</td>
<td>Avondale</td>
</tr>
<tr>
<td>USS Cormorant</td>
<td>MHC</td>
<td>US Navy</td>
<td>Avondale</td>
</tr>
<tr>
<td>USNS Bob Hope</td>
<td>Strat. Sealift</td>
<td>US Navy</td>
<td>Avondale</td>
</tr>
<tr>
<td>USS Pearl Harbor</td>
<td>LSD</td>
<td>US Navy</td>
<td>Avondale</td>
</tr>
<tr>
<td>USNS Fisher</td>
<td>Strat. Sealift</td>
<td>US Navy</td>
<td>Avondale</td>
</tr>
<tr>
<td>(unnamed)</td>
<td>Strat. Sealift</td>
<td>US Navy</td>
<td>Avondale</td>
</tr>
<tr>
<td>USS Cole</td>
<td>DDG</td>
<td>US Navy</td>
<td>Ingalls</td>
</tr>
<tr>
<td>USS Miller</td>
<td>DDG</td>
<td>US Navy</td>
<td>Ingalls</td>
</tr>
<tr>
<td>USS Ross</td>
<td>DDG</td>
<td>US Navy</td>
<td>Ingalls</td>
</tr>
<tr>
<td>USS Bataan</td>
<td>LHD</td>
<td>US Navy</td>
<td>Ingalls</td>
</tr>
<tr>
<td>USS McFaul</td>
<td>DDG</td>
<td>US Navy</td>
<td>Ingalls</td>
</tr>
<tr>
<td>(+3 unnamed)</td>
<td>DDG</td>
<td>US Navy</td>
<td>Ingalls</td>
</tr>
<tr>
<td>USS Bon Homme Richard</td>
<td>LHD</td>
<td>US Navy</td>
<td>Ingalls</td>
</tr>
<tr>
<td>USNS Shugart</td>
<td>T-AKR</td>
<td>US Navy</td>
<td>NASSCO</td>
</tr>
<tr>
<td>USNS Yano</td>
<td>T-AKR</td>
<td>US Navy</td>
<td>NASSCO</td>
</tr>
<tr>
<td>USNS Soderman</td>
<td>T-AKR</td>
<td>US Navy</td>
<td>NASSCO</td>
</tr>
<tr>
<td>USS Bridge</td>
<td>AOE</td>
<td>US Navy</td>
<td>NASSCO</td>
</tr>
<tr>
<td>(+3 unnamed)</td>
<td>T-AKR</td>
<td>US Navy</td>
<td>NASSCO</td>
</tr>
<tr>
<td>USS Ronald Reagan</td>
<td>CVN</td>
<td>US Navy</td>
<td>Newport News</td>
</tr>
<tr>
<td>USS Cheyenne</td>
<td>SSN</td>
<td>US Navy</td>
<td>Newport News</td>
</tr>
<tr>
<td>USS Greenville</td>
<td>SSN</td>
<td>US Navy</td>
<td>Newport News</td>
</tr>
<tr>
<td>USS Harry S. Truman</td>
<td>CVN</td>
<td>US Navy</td>
<td>Newport News</td>
</tr>
<tr>
<td>USC CGC Healy</td>
<td>WAGB</td>
<td>US Coast Guard</td>
<td>Avondale</td>
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<tr>
<td>USC CGC Willow</td>
<td>WLB</td>
<td>US Coast Guard</td>
<td>Marinette</td>
</tr>
<tr>
<td>USC CGC Marcus Hanna</td>
<td>WLC</td>
<td>US Coast Guard</td>
<td>Marinette</td>
</tr>
<tr>
<td>USC CGC Frank Shubert</td>
<td>WLC</td>
<td>US Coast Guard</td>
<td>Marinette</td>
</tr>
<tr>
<td>USC CGC Kukui</td>
<td>WLB</td>
<td>US Coast Guard</td>
<td>Marinette</td>
</tr>
<tr>
<td>USC CGC Anthony Petit</td>
<td>WLC</td>
<td>US Coast Guard</td>
<td>Marinette</td>
</tr>
</tbody>
</table>

Thanks to Jan Terveer in the Netherlands for the info on the Harriers, C-17s, Rafales, South African choppers and the Swedish Army. The material was forwarded by Ary Boender.

SPECIAL OFFER: I have a copy of the extensive information package produced by the U.S. Department of Defense concerning U.S. involvement in the Bosnian peacekeeping effort. Although it is much too large to present here, if you'd like a photocopy (about 20+ pages), I'll be happy to send it to you. Just send me your snail mail address by direct email to KH2AR@aol.com, and I'll
pop a copy into the post to you.
73s and gud DX to all.

Welcome to the January Nautical News column. Lots of information to share this time, so let's have a go at it.

* Six former American President Lines containerships, recently purchased by the Matson Navigation Co., have been renamed. The new names were chosen to be representative of the Pacific islands they serve. Here's the lineup.

<table>
<thead>
<tr>
<th>Old name</th>
<th>New name</th>
<th>Type vessel</th>
</tr>
</thead>
<tbody>
<tr>
<td>President Washington/WHRN</td>
<td>Mahimahi</td>
<td>C-9</td>
</tr>
<tr>
<td>President Lincoln/KDBG</td>
<td>Manoa</td>
<td>C-9</td>
</tr>
<tr>
<td>President Monroe/WNRD</td>
<td>Mokihana</td>
<td>C-9</td>
</tr>
<tr>
<td>President Hoover/WTST</td>
<td>Lihue</td>
<td>C-8</td>
</tr>
<tr>
<td>President Tyler/WEZM</td>
<td>Ewa</td>
<td>C-8</td>
</tr>
<tr>
<td>President Grant/WEZD</td>
<td>Chief Gadao</td>
<td>C-8</td>
</tr>
</tbody>
</table>

If the FCC follows their usual practice, the callsigns will not change in spite of the name changes.

* The Russian-flag M/V Kovrov has become the first Russian container vessel to call at the Port of San Diego. It's owners, South Pacific Container Line, have signed a contract to make monthly port calls there for the next five years. This may present a good opportunity for DXers to QSL a Russian merchant ship by sending their report to the vessel's San Diego agent.

* Korea's Samsung Shipyard at Koje has delivered its first vessel, the Yukong Navigator, to Amaryllis Shipping SA. The vessel is a single-hull tanker.

* Japanese shipyards have delivered two new bulk carriers. They are the Asian Nova to Mars Shipping Co., Inc., and the Cape Jacaranda to the "K" Line.

* Cruise ships just keep getting larger. Princess Cruise Line's 856-foot-long, 77,000 ton Sun Princess, delivered last November, is currently the largest vessel of its type afloat. That record will soon be surpassed when Carnival Cruise Lines takes delivery of the Carnival Destiny later this year. Princess also plans two more mega-ships in the next few years. The Dawn Princess will be a sistership to the Sun Princess, and the Grand Princess will weigh-in at a trim 104,000 tons.

* A growing number of cruise ships are also entering or returning to the Alaska trade. Here's who will be in northern waters in 1996:

<table>
<thead>
<tr>
<th>Cruise line</th>
<th>Vessels</th>
</tr>
</thead>
<tbody>
<tr>
<td>Holland America</td>
<td>Ryndam, Westerdam</td>
</tr>
<tr>
<td>Royal Caribbean</td>
<td>Song of Norway, Legend of the Seas</td>
</tr>
<tr>
<td>Crystal Cruises</td>
<td>Crystal Symphony</td>
</tr>
<tr>
<td>Cunard</td>
<td>Sea Goddess II</td>
</tr>
</tbody>
</table>

Princess Cruises will also place six of their ships in Alaska this year.

* The new Royal Venture Cruise Line expects to enter the Western Caribbean trade in March when their recently refurbished Sun Venture is ready. This vessel was previously named the Gruziya. Another vessel, the Azerbaijan, will be acquired and renamed the Star Venture. Both vessels are owned by the Black Sea Shipping Co., and are being taken on a five year lease. A third ship, already renamed the Sea Venture, is in Greece where it is expected to
be completed over the next 18 months.

* Radisson Seven Seas Cruises has signed a contract to manage a new 320-passenger deluxe cruise ship tentatively named the Paul Gauguin. Delivery is expected near the end of 1997, and the vessel will serve in the South Pacific trade. Radisson already manages the Radisson Diamond, Song of Flower and Hanseatic.

* Commodore Cruise Line will charter the 739-passenger Enchanted Seas to the University of Pittsburgh for the school's "University Afloat" program. It will replace the 43-year-old Universe, which will be sold to Orient Overseas Holdings, Ltd.

* Disney Cruise Lines has announced its first cruise liner will be named the Disney Magic. It is to be delivered in early 1998. The vessel will offer three and four-day cruises from Port Canaveral to one Caribbean port of call and to an island in the Bahamas that Disney is purchasing outright.

* Carnival Cruise Lines has chartered its vessel, the TSS Festivale, to Dolphin Cruise Line. Dolphin, in turn, has renamed it the SS IslandBreeze, and will begin two-and five-night cruises from New York In May of this year. The vessel entered service in 1961 as the S.A. Vall, and was acquired by Carnival in 1977.

* The U.S. Maritime Administration (MarAd) has given Lykes Brothers Steamship Co. the OK to terminate the current voyage of the Thompson Lykes in Haifa, Israel, following major repairs. It has also given Farrell Lines, Inc., the nod to charter and operate a foreign flag vessel as relief for their Export Freedom while it undergoes a drydocking period in 1996. The name of the relief vessel was not announced.

* Maritime Reporter & Engineering News has announced their "Great Ships of 1995." Here is their list of winners:

<table>
<thead>
<tr>
<th>Vessel name</th>
<th>Type</th>
<th>Owner</th>
</tr>
</thead>
<tbody>
<tr>
<td>London Glory</td>
<td>Tanker</td>
<td>London &amp; Overseas Freighters</td>
</tr>
<tr>
<td>Hual Trooper</td>
<td>RoRo Car Carrier</td>
<td>Leif Hoegh &amp; Co.</td>
</tr>
<tr>
<td>APL Japan</td>
<td>Containership</td>
<td>American President Lines</td>
</tr>
<tr>
<td>Heidrun</td>
<td>Shuttle tanker</td>
<td>Conoco/USA</td>
</tr>
<tr>
<td>Rhine</td>
<td>Containership</td>
<td>MOL Euro-Orient Shipping</td>
</tr>
<tr>
<td>Murex</td>
<td>VLCC</td>
<td>Shell Intl. Shipping Ltd.</td>
</tr>
<tr>
<td>Hai Wang Xing</td>
<td>Self-unloading</td>
<td>Chinese National Machinery</td>
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<td></td>
<td>bulk carrier</td>
<td>Import and Export Corp.</td>
</tr>
<tr>
<td>Lista</td>
<td>Product tanker</td>
<td>Mowinche1 Kysttanker AS</td>
</tr>
<tr>
<td>Hanjin Pyeong Taek</td>
<td>LNG carrier</td>
<td>Hanjin Shipping Co., Inc.</td>
</tr>
<tr>
<td>Cable Innovator</td>
<td>Cable ship</td>
<td>Cable &amp; Wireless</td>
</tr>
<tr>
<td>Atlantic Liberty</td>
<td>VLCC</td>
<td>Exceed Shipping</td>
</tr>
<tr>
<td>Eeklo</td>
<td>LPG</td>
<td>Luxembourg flag</td>
</tr>
</tbody>
</table>

* WUN member Ken Bell in Nova Scotia sends along the following intercept. Perhaps someone across the pond can help him in his search for more info and QSLs.

"I live in Lunenburg NS (a small town 60 miles south of Halifax) and wanted to report this catch on 518 khz at 0030 on Dec. 15:

"becoming variable 3/4 and southwesterly at the end. southern half: northwesterly 3/4 increasing and backing westerly 4/5. stormy showers. good. moderate. informacion meteorologica a 151200 utc.aviso de temporal/temporal del oeste en gran sol. situacion a 15100 utc y evolucion.depresion 996 45n 45w profundizandose y desplazandose al oeste.depresion 996 en el golfo de cadiz rellenandose y desplazandose haciafinisterre.anticiclone 1038 entre islandia y escociacasi estacionario.prediccion valida hasta 161800 utc.vizcaya: este 6 amanando posteriormente componente sur ~m~tm aguaceros. buena.gruesa.~%8,8'53443: m~tam tade norte. ~r~ 5~-.~-.~$9 049,59 m. =48-?)3 3/4 yrolandoal final a suroeste. mitad sur: noroeste3/4 arrestando posteriormente a oeste4/5. aguaceros. buena. fuerte marejada."
nnnn zczc da0426 0030 utc oct 95navarea ii this is a trial message by the
mrsc lacoruna through the transmitter located at finisterre coastal station
(eaf) in position 42-zc de70 160034 utc
Ken is quite pleased with his first trans-Atlantic catch (with good reason)
and would like an address for EAF, Finisterre Radio, Spain, so he can shoot
for a QSL. Contact Ken Bell (kbell@ra.isisnet.com)

* And finally, in case anyone missed them, here are a couple of interesting
item that appeared recently on the WUN listserver:
From Andrew Brill in New Zealand, another HF marine station bites the dust!
ZMH98 Kerikeri Radio will cease operation after the regular sked at 0700 UTC
on 31 Dec 95.
The station has been operating for the past 11 years and provided a valuable
communications and search and rescue service for small ships throughout the
South Pacific. The station recently provided comms for the small boat
flotilla protesting French nuclear testing at Muroroa Atoll and has been
involved in many major search and rescue operations over the years.
The station has been run on a voluntary basis by Jon and Maureen Cullen of
Kerikeri, New Zealand and the closure is due to ill health and lack of
funding.

And from Rick Albright,
According to Pacific Maritime magazine, Hapag-Lloyd has sold its 2,716 TEU
container ship NEW YORK EXPRESS to Hamburg-Sued, which is renaming the vessel
CAP ROCA. It will enter service between Europe and South America in March.
Both shipping lines have been good QSLers in the past.

That wraps it up for this month. DX has been pretty slow here, but hopefully
will pick-up soon. 73s, and keep those dials spinning.

===========================================================================
New Products, Books and Reviews
Rick "RD" Baker, editor
1352 Cavalcade Dr., Austintown, Ohio 44515-3844 or: ae411@yfn.ysu.edu

NEW PRODUCT REVIEW
AIRPLOT: software by Douglas John Standen
   John has brought us some great ute software before and has been one of
the few around developing programs to be used by utility listeners. Now he
has brought out an all new program here with AIRPLOT. Several of his former
programs have been completely overhauled, and we shall review them next
month. AIRPLOT is intended for worldwide real time tracking of aircraft
reporting their position by HF SSB.
   Installation was very easy taking just a few minutes overall. The
program features a windows style program with the main MENU along the bottom
of the display, while others are available in a drop down OPTIONS menu and
drop down boxes. AIRPLOT runs on 286/386/486 or Pentium systems and requires
serial microsoft style mouse in com 1 to 4. I ran it in a Compaq Presario
Pentium 90 under Windows 95 and a generic 386/20 under DOS with good results.
The program generates maps at any scale anywhere in the world. A
digitized world map data base containing some 178,000 latitude/longitude
points is included. Smaller areas may be generated and the blank screen
overlaid. Once the map is ready, the program is set for real time tracking.
   Once you have received your position report by radio you select PLOT.
This is a single line entry box. The report is then entered as received:
   SPEEDBIRD123 50 00 N 30 00 W 1200 340 40 00 N 40 00 W 1245
   SPEEDBIRD123 LINDA 1200 340 MIKE 1245
   SPEEDBIRD123 50 00 N 30 00 W 1200 MIKE 1245
   SPEEDBIRD123 LINDA 1200 340 40 00 N 40 00 W 1245
   Military tracking users may enter an airspace block in the form 120-160
at the flight level input. The Reporting points will be converted to LAT/LONG
if they are in the file, which can be added to. If an entry has been entered
it will be checked for errors. An early error will just open the box again
for re-entry.
   Once you have an aircraft entered, a red dot will appear at the last
position and a yellow dot at the next waypoint. Realtime drops a box that
asks you to select A to track all your aircraft or S for speed and distance
on a specific aircraft. 'A' starts the plotting, a white line runs from the
last position to the present position with a star marking the aircraft. A
white star indicates an Eastbound flight and a light magenta star a Westbound
flight. The idnet is shown and carried along with the plot.
If a level change is notified, select LEVEL and enter the idnet and the
new level, when you return to Realtime, the new level will be shown on the
plot!

Options
- CLEAR MEMORY: Removes the data holding information on the location of
  the waypoint stars.
- LOAD FROM FILE: Loads data and shows the last waypoint red stars, if
  TRACK is selected ON. Holds the data in memory for map changes. Not required
  for REALTIME plotting.
- REPORTING POINTS: Overlays all reporting points in the file RPT.PTS that
  apply to the current map.
- DRAW: Should you wish to add an Island or any shape other than text,
  this function is available in any color 1 to 15.
- MAP: Also available as an M from the keyboard. Reloads the current map,
  if a saved Map file. To change maps use SELECT, then MAP.
- MARKER PEN: Once selected point the mouse cursor at the spot you wish to
  enter text and press the left button. You may then select the text color
  following which you should enter your text by the word TEXT: once entered,
  press <return> and the text will appear at the selected spot.
- BLEEP: Causes the PC to bleep when an aircraft is within two minutes
  of its ETA waypoint.
- TRACK: Turns the tracking line on and off. The default value is TRACK
  OFF. Following selection you may also choose to turn the yellow ETA star
  ON or OFF. Default value star OFF.
- CLEARANCE: Used for entering an oceanic clearance.
- IDENTIFY: Enter the flight ident as: Speedbird001 or BA001 and press
  <return>. If the flight details are in the database then the owner and
  flight details will given. A file, AIRLINE.DAT holds the conversion from
  flight letters to airline, while FLIGHT.DAT holds the Timetable route
  information.
- IDENTIFY.DAT holds the flight names to timetable conversion. The last two
  files must be upgraded by the user.
- CIRCLE: Draws a circle in white at the specified latitude and longitude.

AIRPLOT is a very extensive program. I have 'dabbled' with civil
aircraft being stronger at "things that float". But after a few nights, I
was banging away plotting everything in sight (or rather received -hi!). So
I suspect even a novice aero buff could catch on fairly quickly. But what a
blast to watch all these aircraft crossing the ocean on your screen in
realtime! The various options designed with the aero listener in mind are
great. John had some good input to this program from WUN's own Tony Orr. If
your into aero listening, this program is for you.
Now as I write this column, John has been hard at it on a new version of
AIRPLOT to be called AIRTRAK, but has a huge amount of extras over and above
the old AIRPLOT. This version may already be released. AIRPLOT was 25 (UK
pounds) and the new AIRTRAK will run 35 (UK pounds). Payment: Eurocheque or
pounds:dollars conversion plus ten dollars in notes. Includes postage
worldwide airmail. For more info, contact JHS SYSTEMS AND SOFTWARE, CROPTON,
PICKERING, NORTH YORKSHIRE, YO18 8HL (UK) or via e-mail at
john@metsys.demon.co

Next month we will review two of John's revised, updated, overhauled and
all new programs; Synoptic and Sea Plot.

1996 KLINGENFUSS PUBLICATIONS LINE-UP

I received the following new product release from Klingenfuss Publications:
- The 1996 Super Frequency List on CD-ROM
  "Now includes 8,500 entries for worldwide broadcasters". Also includes
  14,500 frequencies from Utility Radio Station guide and 12,800 formerly
  active SW frequencies. DM 60/pound 29/U.S.$45
- 1996 Guide to Utility Radio Stations
  "Includes latest Red Cross and UNO frequencies". 14,500 frequencies.
For more information, write Klingenzu Publications, Hagenloher Str.14, D-72070 Tuebingen, Germany and ask for their latest catalog or check with your friendly near-by distributor.

That's all she wrote for this month, next time, more software reviews, and we have books and products scheduled down the road!

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**STATION VERIF/CALL/FREQ/MODE TYPE QSL/NO.DAYS/REMARKS/CONTRIBUTOR**

**CIVIL AIRCRAFT**

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<thead>
<tr>
<th>Call</th>
<th>Frequency</th>
<th>Mode</th>
<th>QSO</th>
<th>Days</th>
<th>Remarks</th>
<th>Contributor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medjet/MEJ-25</td>
<td>5616.0 USB PFC 12 ds</td>
<td>letter</td>
<td>(IB)</td>
<td></td>
<td></td>
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<tr>
<td>Oman-1 Royal Flt.</td>
<td>5649.0 USB PFC 16 ds</td>
<td>(A40-SP) letter, pix</td>
<td>(IB)</td>
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<td></td>
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<tr>
<td>Sunwing-9003</td>
<td>6628.0 USB PFC 18 ds</td>
<td>card, info, stickers</td>
<td>(IB)</td>
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<td></td>
<td></td>
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<tr>
<td>Aeroflot 331C</td>
<td>8825.0 USB PFC 77 ds</td>
<td>v.letter, info, stickers</td>
<td>(IB)</td>
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<tr>
<td>Sun Co/NIS</td>
<td>8846.0 USB PFC 33 ds</td>
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<td>(IB)</td>
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<td>Borden Inc</td>
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<td>(N65B)</td>
<td>(IB)</td>
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<td>Gal Air Taxi/PT-LXY</td>
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<td>letter, photo</td>
<td>(IB)</td>
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<td>Translift/TLA-605</td>
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<td>Air Vanuata-31/VHT-IJI</td>
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<td>RA-76446/VDA-202</td>
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<tr>
<td>Excalibur-708/G-BWCP</td>
<td>8960.0 USB PFC 2 ds</td>
<td>letter, postcards</td>
<td>(IB)</td>
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<tr>
<td>Mahfooz Aviation/MZS-401</td>
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<td>letter, photo</td>
<td>(IB)</td>
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<td>Aegean Aviation/SX-BNT</td>
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<td>(IB)</td>
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<tr>
<td>Niugini-393/P-ZANG</td>
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<td>letter, postcards</td>
<td>(IB)</td>
<td></td>
<td></td>
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<tr>
<td>Affretaire AFM-07/ZWMI</td>
<td>8903.0 USB PFC 113 ds</td>
<td>(DC-8)</td>
<td>(FD)</td>
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<tr>
<td>Air Atlanta/TF-ABG</td>
<td>5649.0 USB PFC 14 ds</td>
<td>(ABD700) info, map</td>
<td>(FD)</td>
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**CIVIL SHIPS**

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<th>Call</th>
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<th>Mode</th>
<th>QSO</th>
<th>Days</th>
<th>Remarks</th>
<th>Contributor</th>
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<tbody>
<tr>
<td>Tug Crusader/WYP4482</td>
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<td>(IB)</td>
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<td>letter, photo</td>
<td>(FD)</td>
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<tr>
<td>M/V Edwin H. Gott/WXQ4511</td>
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<td>photo, 1000'r</td>
<td>(JSM)</td>
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<tr>
<td>M/Vogley Norton/WAQ3521</td>
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<tr>
<td>S/S John G. Munson/WE3086</td>
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<td>150w</td>
<td>(JSM)</td>
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<tr>
<td>S/T Overseas Ohio/WJBG</td>
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<td>150w</td>
<td>(JSM)</td>
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<tr>
<td>M/V Pacific King/3FJN4</td>
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<td>800w vertical</td>
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<tr>
<td>M/V Fuji Maru/JHOK</td>
<td>12443.0 CW PFC 33 ds</td>
<td>photos, fish rsch vsl</td>
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**FIXED STATIONS**

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<tr>
<td>Cotonou Aero/BEN</td>
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<td>(IB)</td>
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<tr>
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<td>8986.5 USB PFC 29 ds</td>
<td>letter, postcards</td>
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<td>Resolute Radio/VFR</td>
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<td>HD2IOA Ecuador</td>
<td>3810.0 AM - 60 ds</td>
<td>QSL card, letter, info</td>
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<td>PFC</td>
<td>12 ds (JD)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NDB Harrisburg IL/HSB</td>
<td>230.0</td>
<td>CW</td>
<td>PFC</td>
<td>11 ds (JD)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NDB Lafayette TN/LFB</td>
<td>245.0</td>
<td>CW</td>
<td>PFC</td>
<td>13 ds (JD)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NDB Atlanta GA/BR</td>
<td>266.0</td>
<td>CW</td>
<td>PFC</td>
<td>14 ds books, aero charts</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NDB Sturgis KY/TWT</td>
<td>276.0</td>
<td>CW</td>
<td>PFC</td>
<td>15 ds (JD)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NDB McRae GA/MQW</td>
<td>280.0</td>
<td>CW</td>
<td>PFC</td>
<td>10 ds (JD)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NDB Albertville AL/ARF</td>
<td>296.0</td>
<td>CW</td>
<td>PFC</td>
<td>12 ds (JD)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NDB Calhoun GA/OUK</td>
<td>323.0</td>
<td>CW</td>
<td>PFC</td>
<td>7 ds info, ham qsl k4cks</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NDB Pensacola FL/PKZ</td>
<td>326.0</td>
<td>CW</td>
<td>PFC</td>
<td>15 ds (JD)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NDB Waverly TN/AEY</td>
<td>329.0</td>
<td>CW</td>
<td>PFC</td>
<td>12 ds (JD)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NDB Charleston SC/CH</td>
<td>329.0</td>
<td>CW</td>
<td>PFC</td>
<td>-- ds unsigned, info</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NDB Tullahoma TN/ULH</td>
<td>332.0</td>
<td>CW</td>
<td>PFC</td>
<td>11 ds (JD)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NDB Cleveland OH/CL</td>
<td>344.0</td>
<td>CW</td>
<td>PFC</td>
<td>30 ds unsigned</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NDB Huntsville AL/CWH</td>
<td>350.0</td>
<td>CW</td>
<td>PFC</td>
<td>15 ds letter</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NDB Little Rock AR/LI</td>
<td>353.0</td>
<td>CW</td>
<td>PFC</td>
<td>14 ds (JD)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NDB Fayetteville TN/TNY</td>
<td>358.0</td>
<td>CW</td>
<td>PFC</td>
<td>30 ds (JD)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NDB Gainesville GA/FKV</td>
<td>365.0</td>
<td>CW</td>
<td>PFC</td>
<td>16 ds (JD)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NDB McAllen TX/MF</td>
<td>388.0</td>
<td>CW</td>
<td>PFC</td>
<td>8 ds (JD)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NDB Xenia OH/XEN</td>
<td>395.0</td>
<td>CW</td>
<td>PFC</td>
<td>30 ds (JD)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NDB Sault St. Marie MI/CI</td>
<td>400.0</td>
<td>CW</td>
<td>PFC</td>
<td>30 ds unsigned</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NDB Rochester NY/RO</td>
<td>400.0</td>
<td>CW</td>
<td>PFC</td>
<td>30 ds unsigned</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NDB Salem IL/SLO</td>
<td>400.0</td>
<td>CW</td>
<td>PFC</td>
<td>30 ds (JD)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NDB Mayfield KY/GGK</td>
<td>401.0</td>
<td>CW</td>
<td>PFC</td>
<td>14 ds (JD)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NDB Columbus IN/BA</td>
<td>410.0</td>
<td>CW</td>
<td>PFC</td>
<td>11 ds (JD)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NDB Mt. Carmel IL/AJG</td>
<td>524.0</td>
<td>CW</td>
<td>PFC</td>
<td>14 ds (JD)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**MILITARY/COAST GUARD SHIPS**

<table>
<thead>
<tr>
<th>Ship</th>
<th>Frequency</th>
<th>Mode</th>
<th>Class</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMS Middleton/GYHL</td>
<td>2182.0</td>
<td>USB</td>
<td>PFC</td>
<td>10 ds badge, stickers, info</td>
</tr>
<tr>
<td>HMAS Warrnambool/VLRM</td>
<td>8122.0</td>
<td>USB</td>
<td>PFC</td>
<td>12 ds info</td>
</tr>
<tr>
<td>HMAS Moreesby</td>
<td>8122.0</td>
<td>USB</td>
<td>PFC</td>
<td>33 ds letter, info</td>
</tr>
<tr>
<td>USS Comstock/NNNOCWK</td>
<td>14391.0</td>
<td>USB</td>
<td>PFC</td>
<td>68 ds letter, pix, info</td>
</tr>
<tr>
<td>Destroyer Rommel/DRAG</td>
<td>10192.5</td>
<td>USB</td>
<td>PFC</td>
<td>205 ds letter, photo</td>
</tr>
<tr>
<td>FGS Brandenburg/DRAH</td>
<td>6779.0</td>
<td>USB</td>
<td>PFC</td>
<td>27 ds verif letter, cachets</td>
</tr>
<tr>
<td>FGS Lutjens/DRAE</td>
<td>6779.0</td>
<td>USB</td>
<td>PFC</td>
<td>74 ds photos, stamp</td>
</tr>
<tr>
<td>HMCS Gatineau/GWF</td>
<td>6694.0</td>
<td>USB</td>
<td>PFC</td>
<td>88 ds (RB)</td>
</tr>
<tr>
<td>USAV Chickasaw Bayou/AAEB</td>
<td>6227.0</td>
<td>USB</td>
<td>PFC</td>
<td>20 ds photo, letter</td>
</tr>
<tr>
<td>USCG Monomoy/NKEC</td>
<td>2670.0</td>
<td>USB</td>
<td>PFC</td>
<td>15 ds (RB)</td>
</tr>
<tr>
<td>USS O'Bannon/NNN0CXG</td>
<td>14441.5</td>
<td>USB</td>
<td>PFC</td>
<td>22 ds (MARS Sta)</td>
</tr>
<tr>
<td>USS Missouri/WW2END</td>
<td>7035.0</td>
<td>CW</td>
<td>-</td>
<td>115 ds card w/photos, sp VJ-day</td>
</tr>
<tr>
<td>Ny Vessel Emden/DRAT</td>
<td>10192.5</td>
<td>USB</td>
<td>PFC</td>
<td>81 ds (IB)</td>
</tr>
</tbody>
</table>

**MILITARY AIRCRAFT**

<table>
<thead>
<tr>
<th>Aircraft</th>
<th>Frequency</th>
<th>Mode</th>
<th>Class</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ascut 5382/XV290</td>
<td>4742.0</td>
<td>USB</td>
<td>PFC</td>
<td>22 ds (C-130) info</td>
</tr>
<tr>
<td>Agar 24</td>
<td>8891.0</td>
<td>USB</td>
<td>PFC</td>
<td>72 ds sticker</td>
</tr>
</tbody>
</table>

**MARITIME/NAVAL/COAST GUARD/STATIONS**

<table>
<thead>
<tr>
<th>Station</th>
<th>Frequency</th>
<th>Mode</th>
<th>Class</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forth Coast Guard</td>
<td>2182.0</td>
<td>USB</td>
<td>PFC</td>
<td>5 ds (FD)</td>
</tr>
<tr>
<td>Yarmouth Coast Guard</td>
<td>2182.0</td>
<td>USB</td>
<td>PFC</td>
<td>10 ds info</td>
</tr>
<tr>
<td>Padstow Lifeboat</td>
<td>2182.0</td>
<td>USB</td>
<td>PFC</td>
<td>4 ds viewcard</td>
</tr>
<tr>
<td>Palma Radio</td>
<td>2182.0</td>
<td>USB</td>
<td>-</td>
<td>21 ds info</td>
</tr>
<tr>
<td>Muroto Fisheries R./JFM</td>
<td>8508.0</td>
<td>CW</td>
<td>PFC</td>
<td>38 ds 2kw dipole</td>
</tr>
<tr>
<td>Shizuokaken Fish. R./JFG</td>
<td>12811.0</td>
<td>CW</td>
<td>PFC</td>
<td>20 ds photos, 1kw dipole</td>
</tr>
<tr>
<td>Kushiro Fisheries R./JFZ</td>
<td>16942.8</td>
<td>CW</td>
<td>PFC</td>
<td>37 ds 300w inverted-L</td>
</tr>
<tr>
<td>Misaki Fisheries R./JFC</td>
<td>12832.5</td>
<td>CW</td>
<td>PFC</td>
<td>36 ds 2kw vertical fan</td>
</tr>
<tr>
<td>Wilhelmshaven Nvl./DHJ59</td>
<td>10192.5</td>
<td>USB</td>
<td>PFC</td>
<td>33 ds comp generated card</td>
</tr>
<tr>
<td>USCG GRPLongIslSnd./NMY15</td>
<td>2670.0</td>
<td>USB</td>
<td>PFC</td>
<td>15 ds (RB)</td>
</tr>
<tr>
<td>Valentia Radio/EJK</td>
<td>2182.0</td>
<td>USB</td>
<td>PFC</td>
<td>25 ds verif letter</td>
</tr>
</tbody>
</table>

**CRUISE/PASSENGER SHIPS**

<table>
<thead>
<tr>
<th>Ship</th>
<th>Frequency</th>
<th>Mode</th>
<th>Class</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>M/V Orient Venus/JFYU</td>
<td>8355.0</td>
<td>CW</td>
<td>PFC</td>
<td>32 ds 175m</td>
</tr>
</tbody>
</table>

*** TIPS & TIDBITS ***

Rick Albright reported recently the sale by American President Lines of six of its Pacific-fleet container-ships to Matson Navigation Co. The vessels involved, Presidents Washington, Lincoln and Monroe, are to be renamed Mahimahi, Manoa and Mohikana, while Presidents Hoover, Tyler and Grant will become Lihue, Ewa and Chief Gadao. Albright points out that in similar past
transactions, the old radio callsigns were retained. Matson ships, which are frequently heard on USB HF, are known to QSL nearly 100%, he says, while other shipping co.'s have a much spottier record.

Kevin Wonders got back a QSL recently for a reception report sent to Tinker AFB, for which he provides this address:

(Station Name), 7481 Sentry Blvd., Suite 117, Tinker AFB OK, 73145-9012

Fellow wunner Steve McDonald has sent along a whole bunch of addresses this month, the by-product of a recent spate of successful QSLing:

JFM: Muroto Radio (JFM), 2318 Furushiro Murotsu Murotsu-city, Kochi-Prefecture, Japan
JFG: Shizuokaken Musen (Gyokyo), 1991-1 Tajiri, Yaizu-shi Shizuokaken-ken, 425, Japan
JFZ: Mushiro Fisheries Radio, 1-5-15 Yonemachi, Kushiro-city, Hokkaido 085, Japan
JFC: Misaki Gyogyo, 1-7 Harumi Miura, Japan 23802

WYZ3931: m/v Stewart J. Curt, c/o: Canal Station, Sault Ste. Marie, Michigan 49783 USA
WAQ3521: m/v Oglebay Norton, c/o: Detroit Marine Post Office, River Station, Detroit, Michigan 48222 USA
WE3806: m/v John G. Munson - via: Detroit Marine PO
WXQ4511: m/v Edwin H. Gott - via: Detroit Marine PO

WJBG: s/t Overseas Ohio, attn: Radio-Electronics Officer, c/o: Second Shipmor Association, Maritime Overseas Corp., 511 Fifth Ave., New York, NY 10017 USA
KSFK: s/s Keystone Canyon, attn: Radio Electronics Officer, c/o: Keystone Shipping Co., 313 Chestnut St., Philadelphia, PA 19106 USA
3FJN4: m/v Pacific King, attn: Radio-Electronics Officer, c/o: Hyundai Merchant Marine Co., 4-10th Floor, Mukyo Hyundai Bldg., 96, Mukyo-dong, Chung-ku, Seoul, Korea
JHOK: Nitoh, Chief of Ship Managing Section, Shizuoka Pref. Fisheries Experimental Station, 3690 Shioiri Kogawa, Yaizu-city, Shizuoka Pref, Japan
JFYU: m/s Orient Venus, attn: Radio-Electronics Officer, c/o: Japan Cruise Lines Inc., Osaka-Ekimae No.2 Building 13F, 1-2 Umeda, Kita-ku, Osaka, Japan 530
WEHV: s/t Overseas Alaska, attn: Radio-Electronics Officer, c/o: Intercontinental Bulk Tank Corp., 511 5th Ave., New York, NY 10017 USA

A topic that has come up in recent months is the correct address to send reception reports for German Naval Station DHJ59. Several variations are currently available. But since successfully receiving a QSL from the station, Rick Albright now provides the one definitive address:

Marinefernmeldegruppe 21
Fernmeldezentrale
Postfach 27 31
D-26379
Wilhelmshaven
Federal Republic of Germany

Nicholas Lock of Australia recently received a QSL from Brisbane Air-Radio for which he provides this address:

Airservices Australia
Air Traffic Services - Northern District
Brisbane Airport
PO Box 389
Hamilton Central QLD 4007
Australia
Tel: +61 7 3866 3668
Fax: +61 7 3866 3668
Iain Wyeth
Team Leader
Ian Baxter wants to know if anyone can identify the following three-letter codes as callsigns or otherwise: TSG / EXW / VGO / OBI.

Don Moore was recently pretty impressed by a QSL he received from a Peruvian aero station (see Fixed Stations) -- his second such veri -- and provides the following address:

Pucallpa Aeradio, Jefatura de Aeropuerto de Pucallpa, CORPAC, Pucallpa, Peru
Ralf Radermacher received one from Environment Canada's Resolute N.W.T. station VFR the other day, somewhat late on account of bad addressing. So he has this address now taken from the letter:

Environment Canada
Arctic Weather Centre
Twin Atria Building
Room 200, 2nd Floor
4999 – 98 Avenue
Edmonton, Alberta
T6B 2X3
Internet: burkeg@mail.edm.ab.doe.ca <Gary Burke> (Program Supervisor)

'GOOD', 'FAIR' AND 'POOR' UTES THERE TO QSL

If you've never QSL'd a ute station, or if like me you have but only on a few occasions, maybe it's about time you considered trying again. The truth is that logging stations you hear on HF is only half of what ute listening is all about. There is nothing like receiving a written verification by mail to give you the feeling of actually being in contact with a distant station and in some way thus participating (even if obscurely) in its day-to-day operation.

With some of the information made available in this and past QSL Reports, you've got a fairly wide selection of utility stations, and their addresses, which are proven verifiers. The rate of return versus reception reports sent is surprisingly not all that bad. One seasoned QSL'er here on WUN, who keeps a database of his verifications, reports an average waiting time of about 50 days for QSL's -- in some cases it's less than a week.

If you're looking to QSL some real drop-dead-easy stations, take into account that some of them may not even be considered utilities in any sense but technically by the seasoned utes. Time stations like WWV and CHU are easy pickings. But like fish that just don't make the grade with fishermen, these stations are not considered legit catches either by many listeners.

But rather than being categorical and talking about 'easy' and 'hard' stations, it might be better to put it in terms of 'good', 'fair' and 'poor' ute QSL'ers. What was an easy verification for one ute might be a difficult catch to another a little later. Sometimes luck or other unforeseeable factors are all that make the difference.

The Canadian and U.S. coast guards are regarded as 'reliable' QSL'ers. Their weather broadcasts (such as those of NMN Commsta Portsmouth), heard regularly over HF and intended for the public, make first-rate targets for QSL's. On the other hand, the same stations working classified traffic are far less likely to be verified. Remember that it is very important that proper ute QSL procedures be used. Unless it is a volmet (aero weather) or other broadcast of information intended for public use, you should only state in your report who was in contact with whom, at what time UTC, what frequency and in what transmission mode. NEVER should a person's name be quoted as a means of identifying the transmission. Remember that utility stations are likely to regard you as a 'snoop'. Explaining your hobby briefly can help.

As a rule, do the following for every station you QSL. For stations in the U.S., or U.S. military and coast guard, send your own PFC and SASE. For those outside the U.S., send PFC, mint-stamps (covered in next month's column), and an adhesive label on which you've typed out your return address. Standard sizes for envelopes and stationary may vary throughout the world -- their stationary may not fit your envelope -- so it's better to be on the safe side by giving them the option of using your label. (In fact it might
not be a bad idea always to send a prepared address label either in or outside the U.S.) Some of the envelopes and stationary sent back to you can themselves become quite attractive collectors items. From certain shipping companies, and some warships for example.

A quick scan of a ute QSLer's files reveals that warships aren't heard from that often. However the Australian and Royal Navy are said to be darn good sports in verifying reception reports. The same would seem to be the case with military shore stations.

Until next month, try a little QSLing, and 73.

#  #  #

Thanks to this month's contributors:

(IB) Ian Baxter, UK
(FD) Friedhelm Devers, Germany
(JSM) Steve McDonald, Canada
(RA) Rick Albright, USA
(RB) Rick Baker, USA
(NL) Nicholas Lock, USA
(DH) Don Moore, USA
(JD) Jill Dybka, USA
(RR) Ralf Radermacher, Germany

===========================================================================
|______________________________________________________|
|                                                      |
|________|                 SURFING THE LONGWAVES                |________|
|       |                                                      |       |
|_______|        Editor: George Karayannopoulos, N2OWO        |_______|
|       |              karayan@crow.cybercomm.net              |       |
|_______|______________________________________________________|_______|

BEACONS WANTED

This issue marks the first anniversary of WUN. Congratulations are due the other editors of the newsletter for a great job done! Also, kudos to all who posted on the WUN mailing list and have made WUN the great club that it is! I think that we have demonstrated beyond the shadow of any doubt the usefulness of Internet to a hobby such as ours.

In order to celebrate the first anniversary, this column joins the festivities by introducing a new feature. It will be a running list of all LF stations that WUNers have heard, but are unable to identify. I call it the WANTED list (for "wanted" list -- get it? OK, OK, so _YOU_ suggest a better name :-)) If you have any station you need identified, let me know. I will place it on the list until someone identifies it for us. Send me as much info about the station as you have. Date and time heard might be important, a bearing, ID period and other details, everything helps. Even if you are not sure about the ID, someone may be able to suggest what you MIGHT have heard. It has happened to the best of us.

This list will serve us better than simple posts on the WUN list. As long as nobody can identify your station, it remains on the list, until someone comes across a reference for it and can identify it for us. Without the WANTED list, you would have to keep posting your unid's on the WUN list periodically, which wastes bandwidth. So keep looking at the list.

Take a look at the first appearance of the list, below. If you don't know the ID of these stations, try to listen for them. If you catch them too, take a bearing and any other signal info you can and send them to me. The more we know about the station, the better.

On the other hand, if you know any of the listed stations, or can find it in your references, let me know. I will identify the station in the column and remove it from the list. It is important to let me know directly (as opposed to the WUN mailing list), so that the WANTED list will be kept up to date.

Obviously, this will be a living list. Here is the first version, compiled
WANTED LF STATION LIST

<table>
<thead>
<tr>
<th>ID</th>
<th>Freq.</th>
<th>Heard in</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>TE</td>
<td>214</td>
<td>NE USA</td>
<td>or N; double sideband, period 7 sec</td>
</tr>
<tr>
<td>W</td>
<td>272</td>
<td>NE USA</td>
<td></td>
</tr>
<tr>
<td>CB</td>
<td>289</td>
<td>NE USA</td>
<td>14 Ids, fol by <em>*</em>_________________________</td>
</tr>
<tr>
<td>W</td>
<td>295</td>
<td>NE USA</td>
<td></td>
</tr>
<tr>
<td>FE</td>
<td>334</td>
<td>NE USA</td>
<td>Period ~5 sec, ID plus tone</td>
</tr>
<tr>
<td>ZDX</td>
<td>367</td>
<td>NE USA</td>
<td>Stryker says ZDX on 369, but no double sideband; the tzb for this one was 368.1</td>
</tr>
<tr>
<td>2R</td>
<td>373</td>
<td>NE USA</td>
<td>Period 10 sec, ID + tone</td>
</tr>
<tr>
<td>YRR</td>
<td>377</td>
<td>NE USA</td>
<td>Tentative Ottawa, Canada</td>
</tr>
<tr>
<td>D9</td>
<td>383</td>
<td>NE USA</td>
<td>Period 10 sec</td>
</tr>
<tr>
<td>3B</td>
<td>391</td>
<td>NE USA</td>
<td></td>
</tr>
<tr>
<td>GAS</td>
<td>420</td>
<td>NE USA</td>
<td>Not sure abt the ID</td>
</tr>
<tr>
<td>PPA</td>
<td>450</td>
<td>NE USA</td>
<td>Period 9 sec</td>
</tr>
<tr>
<td>TVX</td>
<td>521</td>
<td>NE USA</td>
<td>or EVX; Fast CW</td>
</tr>
<tr>
<td>ZLS</td>
<td>526</td>
<td>NE USA</td>
<td>Period 10 sec</td>
</tr>
<tr>
<td>PX</td>
<td>1638</td>
<td>NE USA</td>
<td>MF beacon</td>
</tr>
<tr>
<td>PX</td>
<td>1639</td>
<td>NE USA</td>
<td>(reported as 1638 on the list) MEDFER beacon, operated by David Holland, in Berlin, Maryland, USA. David also operates LOWFER beacon DCH on 187.335 kHz.</td>
</tr>
</tbody>
</table>

After I assembled this first version of the list, I began looking through my own references to try to ID these stations. Here is what I found:

CB  289 kHz  QTH: Cape Henry LS, Virginia, USA.
2R  373 kHz  QTH: Tyendinaga Mohawk, Ontario, Canada.
YRR 377 kHz  QTH: Greely, Ottawa, Ontario, Canada; ex-R; power 22 watts (txn Lowdown and rkdx@aol.com).
D9  383 kHz  QTH: Huntsville, Ontario, Canada.
3B  391 kHz  QTH: Brockville, Ontario, Canada.
GAS 420 kHz  QTH: Gallipolis, Ohio, USA.
PAA 450 kHz  QTH: Puerto Palta, Dominican Republic.
TVX 521 kHz  QTH: Greencastle, Indiana, USA.
ZLS 526 kHz  QTH: Stella Maris, Bahamas.
PX  1639 kHz (reported as 1638 on the list) MEDFER beacon, operated by David Holland, in Berlin, Maryland, USA. David also operates LOWFER beacon DCH on 187.335 kHz.

Several of these came from previous issues of the Lowdown. Yet, the transmitter location is the bare minimum info for a station. I would appreciate any more details on these stations, such as what kind of beacons they are, their latitude and longitude, power, etc.

So, we already have several identified. These will be removed from the list, and replaced with the ones YOU send me. So keep'em coming in!

When submitting a new listing, let me know as much as you can about the station, including YOUR location.

OTHER BUSINESS

First the bad news. Due to a major glitch in my Internet provider's system, I lost all my old mail. So, if you have written to me asking for information, or for any of our files, and you have not heard from me, please send me mail again. This time, I will make sure to save it on multiple floppies, distributed among different physical locations, and enclosed in fire/flood/hurricane-proof shelters. My address remains the same: karayan@crow.cybercomm.net

Needless to say, successful radio monitoring depends on timely information. We have an ongoing project of assembling a definitive list of LF resources, regardless of medium. So far, thanks to dedicated WUNers, I have gathered the obvious paper-based info sources, and some not so obvious. Those of you who closely monitor the WUN mailing list have noticed the recent postings regarding resources on the Internet. There are at least two WWW URLs that
allow you to search for North American aerobeacons. The URL of one is:
http://www.cc.gatech.edu/db1/fly/navaid-info.html
The other has been reported to us by Kevin Carey, of Monitoring Times fame.
Unfortunately, with the loss of my mail, I lost that URL too. I would
appreciate it if someone could send it to me. Kevin's site is superior to the
one listed above, in that it allows search by frequency, a feature that is
not useful to pilots, but can be critical for beacon hunters.
For those with no access to the web, and for the hardy souls who want to
write their own search code, raw data from the US Federal Aviation
Administration (FAA) can also be FTPed anonymously from:
  aviation.jsc.nasa.gov
  with the path being: /pub/fly/data/ or from the Web, via the URL:
  ftp://aviation.jsc.nasa.gov/pub/fly/data/
There are a couple of files that you will want to download.
Regarding this data, I am working on a new search mechanism that may offer
some exciting possibilities. More on that in the near future.
Last, but not least, we have our own files. I have not yet had the time to
work on them. If there are any volunteers, let me know.
If you have ANY suggestions for what should go into that list, however
obvious, let me know. When this list of LF resources, both on paper and the
Internet, reaches a semi-stable form, I will post it on this column, and make
available on the web site. We can then add any new resources, as we come
across them.
---

HAARP
For those of you interested in the HAARP project, check these resources out:
which is HAARP's own homepage, with NEAT antenna pictures. Don't you WISH
you had an antenna farm that closely resembles the one at
http://server5550.itd.nrl.navy.mil/projects/haarp/HaarpSite.html ??????
Some VERY interesting stuff on "Communication through Ionospheric
Modification" from Penn State University is listed at:
http://www.arl.psu.edu/general/hotsheet17.html
These guys are working with HAARP, doing some HF prop monitoring! So who
needs sunspots anyway?

For the more technically minded WUNers, the Norwegian EISCAT site:
http://seldon.eiscat.no/heater.html
seems similar to HAARP and describes their ionospheric heating work. Hmmm...
HAARP-related discussions, on all sides, have taken place in various
newsgroups; among them: sci.military.naval, sci.physics.electromag, and of
course, all conspiracy-minded newsgroups. Search DejaNews, or your favorite
news search engine for detailed articles.
---
well, that's it for now! Keep looking for new ones!...
73 es gud DX, de George, N2OWO
=============================================================================
The DECCA navigator system is a high accuracy navigational aid intended for coastal navigation. It operates as a continuous wave phase comparison system on LF. Each Decca chain consist of a Master station and two or three slave stations, resp. Red, Green and Purple. The slaves are located between 60 and 120 n.miles from the master. The accuracy of this system depends amongst others on the distance from the transmitters, the time of the day and the season of the year and give the position within 50 meters under favourable conditions up to 100 n.miles from the Master station. Although GPS is rapidly winning territory, there are still 30 chains left around the world; 2 in Japan, 1 in India, 1 in the Persian Gulf, 5 in South Africa and 21 in western Europe and Scandinavia. During the last 4 years many chains have disappeared, being replaced by GPS. Just recently the two Spanish chains closed down.

So how does it sound ? It sounds like very slowly transmitted Morse, like a beacon. You can hear patterns of dots and dashes. Combinations of dots and dashes or dashes only. Just tune in on the frequencies and you'll know what I mean :-)

DECCA chains.
Sequence: country, name and number of the chain, followed by resp. the Master station and the Red, Green and Purple slave stations.

Japan
* Kyushu chain (7C)
  Maebaru, Kamiagata, Nagisima, Seto
* Hokkaido (9C)
  Biei, Akkeshi, Wakkanaei, Oshamanbe

Persian Gulf
* S. Persian Gulf chain (1C)
  Qarnain, Doha, Munayyif, Ras Zubayyah

India
* Salaya chain (2F)
  Kodai, Kuranga, Dhuvav, Naliya

South Africa
* Namaqua chain (4A)
  Noordoewer, Chamaites, Gamdep Pofadder, Port Nolloth
* Cape chain (6A)
  Matroosberg, Piket Berg, Ladismith Cape, Klein Mond
* Eastern Province chain (8A)
  Addo, Port Alfred, Clarkson, Swaershoek
* S.W. Africa chain
  Usakos, Sorris Sorris, Isabis, Swakopmund
* Natal chain (10C)
  Matatiele, Elliot, Mooirivier, Margate

Europe
* South Baltic chain (0A)
  Holmsjo, Sandhammaren, Burgsvik
* Vestlandet chain (0E)
  Sotra, Statt, Shetland Islands, Jaren
* S.W. British chain (1B)
  Bolberry Down, Jersey, St.Mary's, Llanearfan
* Northumbrian chain (2A)
  Allerdean Greens, Stirling, Peterhead, Burton Fleming
* Holland chain (2E)
  Gilze-Rijen, Heiloo, Sas van Gent, Thorpeness
* N. British chain (3B)
  Kidsdale, Clonrola, Neston, Stirling
* Lofoten chain (3E)
  Andoya, Torsvag, Rost, Narvik
* N. Baltic chain (4B)
  Nynashamn, Aland, Ar, Bjorvik
* Trondelag chain (4E)
  Skaroy, Rorvik, Statt, Berkak
* English chain (5B)

Pagina 32
Puckeridge, Shotisham, East Hoathley, Wormleighton
* N. Bothnian chain (5F)
Lovanger, Gamla Karleby, Kallax, Jarnas
* N. Scottish chain (6C)
Kirkwall, Butt of Lewis, Lerwick, Peterhead
* Gulf of Finland chain (6E)
Mantsala, Padva, Sydankyla
* Danish chain (7B)
Samso, Moen, Eojer, Hjorring
* Irish chain (7D)
Galway, Ballydavid, Dungloe, Youghal
* Finmark chain (7E)
Reksunnjarga, Virgasfjell, Fakken, Nordkap
* S. Bothnian chain (8C)
Njurunda, Skutskar, Jarnas
* Hebridian chain (8E)
Barra, Kentsa Moss, Butt of Lewis, Dungloe
* Helgeland chain (9E)
Donna, Rost, Rorvik, Mo I Rana
* Frisian Islands chain (9B)
Finsterwolde, Hoyer, Heiloo, Zeven
* Skagerak chain (10B)
Fjallbacka, Jomfruland, Valda, Arjang

DECCA frequency list

<table>
<thead>
<tr>
<th>Purple</th>
<th>Master</th>
<th>Red</th>
<th>Green</th>
<th>Name and number of the chain</th>
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<tbody>
<tr>
<td>70.979</td>
<td>85.175</td>
<td>113.567</td>
<td>127.763</td>
<td>Cape chain (6A)</td>
</tr>
<tr>
<td>71.138</td>
<td>85.365</td>
<td>113.820</td>
<td>128.048</td>
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<td>114.053</td>
<td>128.310</td>
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<td>113.333</td>
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<td>128.580</td>
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<tr>
<td>70.458</td>
<td>84.550</td>
<td>112.733</td>
<td>126.825</td>
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<tr>
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<td>128.325</td>
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<td>112.380</td>
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<td>South Persian Gulf chain (1C)</td>
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<tr>
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<td>127.373</td>
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<tr>
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<td>84.195</td>
<td>112.260</td>
<td>126.293</td>
<td>Vestlandet chain (0E)</td>
</tr>
</tbody>
</table>

GPS & DGPS

As you probably know, GPS is a satellite system and transmits on ca 1.3 GHz and that is way beyond the 0-30 MHz spectrum that we normally handle here. There is however an important link to the radio navigation systems in our frequency range. A rapidly increasing number of stations transmits Differential GPS signals on LF and MF.

o What is GPS?
GPS stands for Global Positioning System and is a space-based positioning, velocity, and time system that has three major segments: space, control, and user. The GPS Space Segment, when fully operational, will be composed of 24 satellites in six orbital planes. The satellites operate in circular 20,200 km orbits at an inclination angle of 55 degrees and with a 12-hour period. The spacing of satellites in orbit will be arranged so that a minimum of five satellites will be in view to users worldwide, with a position dilution of precision (PDOP) of six or less. Each satellite transmits on two L band frequencies, L1 (1575.42 MHz) and L2 (1227.6 MHz). L1 carries a precise (P) code and a coarse / acquisition (C/A) code. L2 carries the P code. A navigation data message is superimposed on these codes. The same navigation data message is carried on both frequencies.

The Control Segment has five monitor stations, three of which have uplink capabilities. The monitor stations use a GPS receiver to passively track all satellites in view and thus accumulate ranging data from the satellite signals. The information from the monitor stations is processed at the Master Control Station (MCS) to determine satellite orbits and to update the navigation message of each satellite. This updated information is transmitted to the satellites via the ground antennas, which are also used for transmitting and receiving satellite control information.

The user segment consists of antennas and receiver-processors that provide positioning, velocity, and precise timing to the user.

**Signal Characteristics**

The GPS concept is predicated upon accurate and continuous knowledge of the spatial position of each satellite in the system with respect to time and distance from a transmitting satellite to the user. Each satellite transmits its unique ephemeris data. This data is periodically updated by the Master Control Station based upon information obtained from five widely dispersed monitor stations.

Each satellite continuously transmits a composite spread spectrum signal at 1227.6 and 1575.42 MHz. The GPS receiver makes time-of-arrival measurements of the satellite signals to obtain the distance between the user and the satellites. These distance calculations, together with range rate information, are combined to yield system time and the user's three-dimensional position and velocity with respect to the satellite system. A time coordination factor then relates the satellite system to Earth coordinates.

**Differential GPS**

Differential GPS (DGPS) is the regular Global Positioning System (GPS) with an additional correction (differential) signal added. This correction signal improves the accuracy of the GPS.

* Accuracy improvement: 10 meters or better for DGPS vs. 100 meters or better for GPS.
* Integrity improvement: provides an independent check of each GPS satellite's signal, and reports whether it's good or bad.

DGPS receivers collect navigational signals from all satellites in view, plus differential corrections from a DGPS station in the area. (Many DGPS receivers consist of two units: a GPS receiver, with a data "port" for DGPS corrections, directly connected to a radio receiver.) DGPS receivers display position, velocity, time, etc., as needed for their marine, terrestrial, or aeronautical applications.

The GPS determined position of a reference station is computed and compared to its surveyed geodetic position. The differential information can be broadcast to the users by radio. Info can be included in other positioning systems like Hyperfix, or on a sub-FM-channel by using RDS. Most of the DGPS stations however transmit 24 hours a day on LF or MF. In many cases marine radiobeacons that have been modified to accept MSK (Minimum Shift Keying) modulation are being used for DGPS transmissions, some broadcast only on request. Radiobeacons were chosen because of existing infrastructure, compatibility with the useful range of DGPS corrections, international radio conventions, international acceptance, commercial availability of equipment and highly successful field tests. So far I heard two different sounding types of signals. One has a specific...
sound, like packet radio but with longer bursts. This system uses 250 bd QPSS (Quarternary Phase Shift Keying) although also 100 and 300 bd broadcasts have been noted. The other sounds like Sitor-B and is in fact MSK transmitted with a speed of 50, 100, 200 or 300 bd.

o MSK stations
So, where can you hear those babies? As I said, many beacons are being used for DGPS nowadays so you have to listen between 285 and 325 kHz. The list is far too long to publish here and new stations are added regularly. The stations in this range are all MSK stations. The coverage is becoming world wide. Stations have been reported from the America's, New Zealand, Australia, Europe and the Mediterranean area.

o QPSK stations
A report from New Zealand states that the Radio Frequency Service of the Ministry of Commerce, who are responsible for all NZ frequency allocations, confirms that a QPSK station on 1818.6 kHz is a NZ navigational station. The the station is located in the lower North Island. The same kinda stations were reported from the Mexican Gulf area, from the Canadian East Coast, from the Mediterranean area and from Western Europe and Scandinavia. Check the frequency range from ca 1700 to 3000 kHz. Most US and Canadian loggings were between 1800 and 2100 kHz.

GLONASS
-----
The Russian counterpart of GPS is GLONASS, an acronym for GLObal Navigation Satellite System. Full deployment of the system (up to 24 satellites) was completed last year. A modernized version of the satellites is on its way. The Russian Space Forces plan to start flight tests of new GLONASS-M program in 1996. The new GLONASS-M satellite will have higher guaranteed period of service (5 years instead of 3 at the moment) and better characteristics. This enable to increase the reliability and accuracy of the system as a whole. GLONASS operates between 1602.5 and 1615 MHz.

Like GPS, GLONASS also needs a differential system to get better results. The research started way back in the seventies at about the same time that GLONASS itself was developed. However, due to various reasons an implementation of differential GLONASS (DG) in Russia was delayed. So far only one DG station has been reported and that one is in the Ukraine, not in Russia. A lack of the Selective Availability mode in GLONASS played a not unimportant role in the process. The standard accuracy of GLONASS on the few tens of meters level met the requirements of common users in Russia. During the past couple of years however, the interest for DG has increased rapidly. Therefore, the development of differential stations for various applications has been speeded up. At present, there are the plans for the creation of local-area differential systems (LADS) and regional-area differential systems (RADS) for air traffic control and vessels. A third system WADS (wide-area differential system) should cover the whole of Russia.

Try these........
------------------
Here is a short list of stations. It is only the top of an enormous iceberg. I also included a few longwave stations. Both MSK and QPSK stations are included.

<table>
<thead>
<tr>
<th>Freq.</th>
<th>Location</th>
<th>Baud</th>
</tr>
</thead>
<tbody>
<tr>
<td>123.7</td>
<td>Mainflingen, Germany</td>
<td>300</td>
</tr>
<tr>
<td>140.3</td>
<td>Mainflingen, Germany</td>
<td>300</td>
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<tr>
<td>162.5</td>
<td>Ras Caxine, Algeria</td>
<td>100</td>
</tr>
<tr>
<td>285.0</td>
<td>Porkkala, Finland</td>
<td>100</td>
</tr>
<tr>
<td>285.0</td>
<td>Upolo Point, Hawaii</td>
<td>100</td>
</tr>
<tr>
<td>287.5</td>
<td>Hoek van Holland, Neth.</td>
<td>100</td>
</tr>
<tr>
<td>288.0</td>
<td>Cape Race, Canada</td>
<td>100  (Atlantic coast)</td>
</tr>
<tr>
<td>289.0</td>
<td>Cabo Finisterre, Spain</td>
<td>100</td>
</tr>
<tr>
<td>289.0</td>
<td>Cape Henry, USA</td>
<td>100  (Atlantic coast)</td>
</tr>
<tr>
<td>289.5</td>
<td>Butt of Lewis, UK</td>
<td>100  *)</td>
</tr>
<tr>
<td>292.5</td>
<td>Kapp Martin, Svalbard</td>
<td>50</td>
</tr>
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WUN-v02

<table>
<thead>
<tr>
<th>Latitude</th>
<th>Location</th>
<th>Distance</th>
</tr>
</thead>
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<tr>
<td>293.0</td>
<td>New Orleans, USA</td>
<td>200 (Gulf coast)</td>
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<td>293.0</td>
<td>Montauk Point, USA</td>
<td>100 (Atlantic coast)</td>
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<td>296.0</td>
<td>Galveston, USA</td>
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</tr>
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<td>296.5</td>
<td>Blavandshuk, Denmark</td>
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<tr>
<td>300.0</td>
<td>Nieuwe Veste, Norway</td>
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<tr>
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<td>Utvaer, Norway</td>
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<td>300.5</td>
<td>Pt da Sao Marcos, Brazil</td>
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<td>Alexandria, USA</td>
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<td>306.5</td>
<td>Skagstved, Sweden</td>
<td>100</td>
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<td>307.0</td>
<td>Ristna, Estonia</td>
<td>100</td>
</tr>
<tr>
<td>308.0</td>
<td>Triple Islands, Canada</td>
<td>100 (Pacific coast)</td>
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<td>310.5</td>
<td>North Foreland, UK</td>
<td>100 °*)</td>
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<td>311.0</td>
<td>Partridge Island, Canada</td>
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<td>2128.0</td>
<td>Cabo Finisterre, Spain</td>
<td>300</td>
</tr>
<tr>
<td>2163.7</td>
<td>Portsmouth, UK</td>
<td>250</td>
</tr>
<tr>
<td>2165.9</td>
<td>Lands-End, UK</td>
<td>250</td>
</tr>
<tr>
<td>2657.1</td>
<td>Tripoli, Lybia</td>
<td>300</td>
</tr>
<tr>
<td>2805.0</td>
<td>N.O.Polder, Netherlands</td>
<td>250</td>
</tr>
<tr>
<td>2834.0</td>
<td>N.E. England</td>
<td>250</td>
</tr>
<tr>
<td>2885.0</td>
<td>Krasnodar, Ukraine</td>
<td>250</td>
</tr>
<tr>
<td>3226.0</td>
<td>Denmark</td>
<td>250</td>
</tr>
<tr>
<td>3328.8</td>
<td>Pt de la Coubre, France</td>
<td>50</td>
</tr>
</tbody>
</table>

°) the British stations provide this service for a subscription fee, whereas most countries provide this service for free. The British DGPS data is coded.

...and what is left

BATHYMETRIC NAVIGATION is the art of establishing a geographic position on the open sea by use of geological features of the ocean floor. The transmissions can most probably not be heard on land, therefore only a short note about this system. The ocean bottom features are like mountains and canyons on dry-land. By measuring the depth of the sea and thus visualising the seamounts, trenches, etc., you can plot an echo sounder trace. There are bathymetric charts available for many seas and there are special coastal charts. By comparing the trace and the bathymetric chart you can discover your position. All you need is an echo sounder (also 'fathometer'). The echo sounder consist of two basic components, the transducer and the recorder. The transducer is located at the keel and transmits the signals into the sea and picks up the returning echoes. The recorder records the echoes for chart plotting purposes. The US Navy uses the AN/UQN4 sounder, which is transmitting on 12 kHz. Cw electromagnetic signals are translated in pulses by the transducer. Pulse duration and repetition cycle are variable.

MARS-75 is the Russian answer to DECCA. This Soviet made system is also a hyperbolic LF system, but more advanced. MARS-75 was first used in the early seventies and is still in use. The former Baltic chain was closed down after the fall of the USSR. The transmitters in Wismar (E.Germany) and Tallinn were dismantled. There are still chains along the western and
northern coasts of Russian like the Gulf of Finland and the Barentsz Sea. MARS-75 operates in the 64-92 kHz range. The transmitters are arranged in groups of three or four. Spread-spectrum signals are used and there are nine clusters. At the moment some 47 transmitters are still running. A modernised version, LENA, will probably never come in operation because satellite systems are taking over most of the terrestrial systems at the moment.

- RANA. Another system, somewhat similar to MARS-75, is the French RANA system which operates along the French coast in the frequency range 285-415 kHz. It is a complicated, time-sharing system.

- DECCA look-alikes. The following systems are most probably no longer in use: DEL NORTE TRANSPONDER, MINI-RANGER, AUTOTAPE DM-40A, RALOG-20, ARTEMIS III DART. They were all based on the DECCA system and operated on LF.

- RAYDIST. This is also a 2 MHz system similar to Hyperfix. The latest version of this system was the 'DRS-H/T' who needed four landstations. There are no current European users but there may be some chains in the USA.

- TORAN P100. Another 2 MHz system is TORAN, a French made system somewhat similar to differential Omega. It is hardly used anymore.

- ARGO. The U.S. DM-54 ARGO (Automatic Ranging Grid Overlay) system was originally designed for the positioning of underwater pipelines. This is also a 2 MHz system and was last heard in the USA in 1993. It is possible that there still is a chain for the Mexican Gulf.

- PULSE/8. This one is based on LORAN-C and works very similar. It also operates on 100 kHz and seems to be more accurate, especially at night. There is a slight difference in the impulse codes which makes that the system is not compatible with LORAN-C. PULSE/8 is reportedly still in use, but I have no idea where....

- VHF/UHF systems. Both SYLEDIS and MAXITRAN operate between 420 and 450 MHz and need two landstations. Maxitran's predecessor SHORAN is still in use and operates between 220 and 300 MHz. RSBN, a Russian satellite system, is slipping away after the introduction of GLONASS. Frequency range: 873.6-935.2 MHz and 939.6-1000.5 MHz. The aero navigation systems TACAN (960-1215 MHz) and VOR-DME (108-118 and 960-1213.5 MHz) are widely used. NNSS (Navy Navigation Satellite System) operates in the range 399-988 MHz and is rumoured to be phased out in 1996.

- MILITARY STUFF. Although primary designed for COMINT purposes and to DF enemy positions, these systems can also be used for determining your own position.
  - WJ8958 is an US naval DF system which covers the 1 MHz-2 GHz bands.
  - AN/SLQ-30, AN/SLQ-32 and AN/SLQ-72 are also US naval systems with HF DF capabilities.
  - AN/TRQ-32 Teammate, a Comint/DF system which covers the HF/VHF/UHF frequency bands. Teammate is mounted on a US Army truck and has a telescoping antenna mast. When several units are used, one can act as the master and the others as slaves, which makes it a perfect DF system.
  - AN/TQ-112 TACELIS is the system that will replace the Teammate. TACELIS is an acronym for Tactical Automated Communications Emitter Location and Indentification System. It is a Comint/DF system that covers the range 500 kHz-500 MHz. The system is also mobile and works about the same as the Teammate.
  - AN/TQ-114 Trailblazer, ground mobile Comint/DF system that operates in the 500 kHz-150 MHz frequency range and accomplishes DF between 20 and 80 MHz. A Trailblazer system consists of two master stations and three remote slave stations. Each of them is mounted on a M113 vehicle and has telescoping antenna masts.
  - Guardtrail is an airborne Comint/DF system that has DF capabilities in the ranges 20-70 MHz and 100-150 MHz. The system needs several
aircraft, operating in pairs, to obtain the DF info which is relayed
to a processing station.

* AN/ALQ-151 Quick Fix II is also an airborne system with DF and early
warning capabilities. It covers the 2-76 MHz bands and is mainly used
in helicopters. It's twin brother, the AN/TLQ-17, is used for interce-
pting communications and has also a jamming device called Traffic
Jam.

Credits
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Special thanks to WUNners Day Watson, Klaus Betke, Mike Chace, Dave
Gentile, Stan Scalsky.

Sources: US Coast Guard, Institut fuer Angewandte Geodaesie, Deutsche
Telekom AG, Admiralty List of Radio Stations vol.2, ITU, Philips
Navigation A/S, Inmmarsat, Vaino Lehtoranta, Dutton's Maritime Nav-
igation, Doug Brooke, prof. B.Forsell, Central Research Institute of the Russian
Space Forces, Jane's Radar and Electronic Warfare Systems.

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**WUN-v02**

**RTTY**  **HZN**  **JEDDAH,S.Arabia**  760/100  **Aug95**

**7510.5**  **SSB**  **IRAQ**  Aviation Operations

**7511.0**  **SSB**  **US COAST GUARD**  LORAN (N.Atlantic/NorwegianSea)  (Sylt/Ejde/Keflavik/Sandur/Jan Mayen/Bo-i-Vesteraalen)

**7511.5**  **SSB**  **PORTUGAL NAVY**

**7512.0**  **RTTY**  **ZRO2**  **PRETORIA,S.Africa**  425/75  **Aug95**

**7513.0**  **CW**  **FDY**  **ORLEANS AIR**  French Air Force  **Dec95**

**7517.0**  **SSB**  **US AIR FORCE**  ‘HOPPER’  **Jan96**

**7518.0**  **SSB**  **US ARMY**  ‘HOPPER’  **Jan96**

**7520.0**  **SSB**  **US NAVY**  MARS

**7521.5**  **RTTY**  **CONTENOU, BENIN**  ASECNA...ARQ-M2(96/425)  **Mar94**

**7525.0**  **SSB**  **NASA**  Launch Preparation  **Aug89**

**7526.0**  **SSB**  **US NAVY**  MARS

**7527.0**  **SSB**  **GABON**  LDOC-Libreville

**7528.0**  **RTTY**  **US COAST GUARD**  75bd  **Aug94**

**7528.6**  **SSB**  **US COAST GUARD**  Emergency Command Net

**7530.0**  **SSB**  **ARGENTINA**  Antarctic Base

**7532.0**  **RTTY**  **SPANISH CIVIL GUARD**  SITOR

**7533.0**  **SSB**  **SOUTH AFRICA**  Kruger Park Game Wardens

**7536.0**  **SSB**  **US MARINE CORPS**

**7540.0**  **SSB**  **MOSCOW,RUSSIA**  Telcom

**7541.0**  **RTTY**  **ROK28**  MOSCOW,RUSSIA

**Pagina 39**
7542.0 SSB  REUNION ISLAND  VOLMET
7542.7 RTTY  UNID  ARQ/E3 at 192/400  Dec95
7543.5 SSB  UNID  Net in PP prob.in Angola or Mozambique...roll call  Dec95
7544.0 CW  UID80  UNID  Russian
7545.0 SSB  US AIR FORCE  MARS
SSB  KENYA  Net re landcruisers/pickups Oct95
SSB  SOUTH AFRICA  Commercial Trucking net in Luderitz/Walvis Bay  Oct95
SSB  UNID  American op w/position rpt from South Africa  Dec95
SSB  UNID  Russian woman saying 'Sarghina, Sarghina, eskay-morsk?'  Aug94
7546.0 SSB  CANADA  Communications Canada Telcom
CW  VDE  UNID
7546.1 RTTY  GERMANY MFA  RS-ARQ 240b/800  Dec95
7547.0 ISB  MSS BELIZE  Piccolo
7547.5 SSB  UNID  COMCEN wkg unid talking about repairman doing test on power  Nov93
7547.8 SSB  UNID  V6 wkg VS
7548.3 CW  UNID  V9P wkg other trigraph stns  Jan94
7549.1 SSB  BELL TELEPHONE  NSEP Net - Ch.44
7550.0 SSB  AUSTRALIA  Kalgoorlie-Royal Flying Doctor
SSB  CANADA  Telcom
SSB  UNID  BULLDOG clg WARRIOR OPS  Jul93
7552.0 SSB  MADAGASCAR  Aviation Operations
RTTY/Cw  5ST  MADAGASCAR  Antananarivo
7552.1 SSB  BELL TELEPHONE  NSEP Net - Ch.45  Nov95
SSB  SHARES NET
7553.0 SSB  US NAVY  MARS
7555.0 SSB  CANADA  Telcom
RTTY/Cw  FRENCH NAVY  La Regine/Toulon  Feb92
7556.0 SSB  SENEGAL  Telcom
SSB  BOSNIA  UNHCR
RTTY  ANKARA,TURKEY  Diplomatic...FEC-A
7558.6 RTTY  YAQ  UNID  5-ltr grps to YAO in ASCII  Jun94
7561.0 RTTY  WARSAW RADIO  Poland...SITOR
7565.0 SSB  AUSTRALIA  Broken Hill School of the Air
SSB  BERNA RADIO  LDLC
RTTY  YIX75  BAGHDAD,IRAQ  425/50
CW  FIT75  PARIS,FRANCE  Prefecture
7567.0 SSB  US AIR FORCE  Lajes AFB discrete
ISB  PBB  NETHERLANDS  Voice Frequency Telegraphy
7567.5 ISB  DCN  FALKLAND ISLANDS  Piccolo
ISB  DCN  KENYA  Piccolo
7568.0 SSB  UNID  SIDEWINDER wkg RATTLE w/ high-speed transmissions
7570.0 SSB  US AIR FORCE  Croughton AFB discrete
FAX  RBX72  TASHKENT,KAZAKHSTAN  60/90/120/576 & 120/288  Jun94
7572.0 CW  UHF4  YEYSK-STARIO,RUSSIA  Meteo
7574.0 CW  FDE  VILLACOUBLAY AIR  French Air Force
CW  RCV  BLIAVA NAVAL RADIO  Russia
7575.0 FAX  RSR79  MINSK,BELARUS  90/576
7576.0 CW  FVA80  ROSNY-SOUS-BOIS  French Police HQ
7577.0 SSB  US COAST GUARD  Korea Navy
CW  RIW  KHIVA,UGBEKISTAN  Russia Navy
7580.0 SSB  US COAST GUARD  LORAN...Northwest Pacific
SSB  NUMBERS  SS Numbers 5-figure groups  Dec95
ISB  DCN  CYPRUS  Voice Frequency Telegraphy
FAX  NKW  DIEGO GARCIA  120/576  Oct95
FAX  NPN  GUAM
RTTY  VVD57  NEW DELHI,INDIA  200/50 & 425/50  Nov95
7582.0 SSB  US DEP OF TRANSPORT  Emergency Radio System-Ch.F4
SSB  US CUSTOMS
RTTY  US COAST GUARD  Pacific Area...170/
7583.5 SSB  US FEDERAL HIGHWAYS
7585.0 SSB  UNID  KGX23(base) wkg 'MOBILE' w/ commrs while driving thru tunnels
That's it for this month...send me your 7600 series loggings.

===========================================================================

The WUN Logs Column

Rick "RD" Baker, editor: 1352 Cavalcade Dr., Austintown, Ohio 44515-3844 USA
e-mail: utelistener@msn.com or ae411@yfn.ysu.edu
Tim Dobbins, co-editor: shortwave@tbd.oau.org

A great turn out for WUN's birthday! I mentioned in the opening remarks that the entire first newsletter was 147k. Just the digital logs alone this month are 106k! Whew! I thought it would be interesting to see the 'original' charter contributors to this column. There was a grand total of 17 from 5 countries:

Charter Issue Contributors:
(AB) Ary Boender, The Netherlands
(CM) Craig Mackinnon, Halifax, Nova Scotia, Canada
(DM) Don Moore, Iowa, US
(DM2) David Moisan, N1KGH, Salem, Ma (US)
(ED) Ed Deasy, Charrlottville, Va (US)
(FW) Frazer Wright, UK
(JC) John Cope, Austin, Tx (US)
(JN) Jim Navary, Colonial Heights, Va (US)
(JP) Jim Pogue, Memphis, Tn (US)
(MS) Michiel Schaay, The Netherlands
(PP) Phil Potts, Fl, (US)
(RB) Rick "RD" Baker, Austintown, Ohio (US)
(MR) Marius Rensen, Hannover, Germany
(SS) Stan Scalsky, Leonardtown, Md (US)
(TO) Tony Orr, Reston, Va, (US)
(TR) Tom Roach, San Jose, Ca (US)

This month we have 75 contributors from 14 countries, including our first logs from Japan and Brazil. Other countries this month include the Netherlands, United States, Ireland, Canada, Luxembourg, Germany, Spain, South Africa, Australia, England, New Zealand, and Sweden (in no order other...
than I spotted them!).

Alex Wellner has a 'find' for an unid in the December newsletter. He notes that the 12342 log of c/s SURN belongs to "6 OCTOBER" from Egypt. Alex also noted that in the November 1995 newsletter on 16534, there was an unid log of "Ramadan". In checking the ITU server, he found only two, 6BDE from Egypt and IV8632 from Italy. After reading his note and re-reading the log, I think this should be M/S Ryndam, C6MM2, a cruiseship. These cruiseships often turn up on ship simplex frequencies to do ship-to-ship phone patches. I recently logged M/S Ryndam and at first I thought he said..."Ramadam"! Thanks Alex!

Also, I messed up and left off contributor "MR2", none other than Michael Rivkin (7914@mne.net) up in Pamona, NY. His logs were included, and he was listed as (MR2), but I left him off the list at the end. Sorry about that Mike.

As a side note, I try to keep the contributors initials the same always. I keep a master list and when a new contributor comes along, we have a new ID. This has stayed fairly consistent from issue#1. So if I mess up again (when I mess up again -hi!) you can always go back and check past issues for an ID if need be.

Also I left poor Stan Scalsky's logs on a transfer disk. I have them this month. I was very glad to see last month end!

HELP! I've noticed that a good number of you who post over the WUN listserver hand-type your logs. It would be a BIG (Big!) timesaver if you would use WUN format, including your initials at the end. This is the single largest time consuming part of doing this column. Some month long lists take perhaps 5 hours to convert. I started to run out of time this month and almost had to leave some logs off. Please help save some work and just type out your logs in WUN format. Thanks, that will give me time to type all the logs that are going to be sent by our 30 some paper subscribers!

I am also looking for one and maybe two others to assist in editing this column. With increased time helping with the listserver duties, editing the entire newsletter, my other column, and other WUN duties, I spent way too much time away from my family, my dog and my radios last month. If you have some time to donate to the WUN cause, drop me a line.

= CIVIL AERO =


2887 TWA 0333 USB w/NY A "KRAFT" (23-30N/67-43W) "EFhAJ" 747-100 N93107. Air Canada 092 0322 USB w/NY @ "BACUS" (34-26N/73-51W) "FQ-CK", A320-200 C-FJ30. Elite 313 0217 USB w/NY @ "BACUS" "BQ-FK" 757-200 C-FOOG [Canada 3000]. (JSM)


2932 UPS 6993 1504 USB w/Tokyo @ "POTTS" "AJhGL" 747-SP N688UP. (JSM)

2962 Springbok 201 1015 USB wkg NY/ARP 36N60W F390 .85. (TO)

3016 ASCOT 3221 0712 USB wkg Shanwick 4515/0711 350 LASNO GAPLI to 135.6. (RC)

Pagina 42
Shanwick, Miami - London LHR, 4720 370 AMOKO GONZO to 135.6. KLM 772 0745 USB wkg Santa, Caracas - Amsterdam FL350 req. rerouting 4708 UN472 UIR12 REDFA, TWA 720 0715 USB wkg Shanwick, AEGK St Louis - London LGW 4930 390 5120 to London LGW. (HW) Aeroflot 328 0328 USB wkg NY 0338 330 posn - MONARCH? in contact with ?-Center. Shanwick 0348 USB wkg unid a/c w/selec ck EK-HM. Gander 0349 USB wkg unid Swissair flt w/posn, selec ck AF-JQ, MD.11. w/reg HB-IWB. Speedbird 224 0350 USB wkg Gander, 52N/40W 0347 330, est 54N/30W 0431. Northwest 42 0403 USB wkg Shanwick, selec ck AL-JM, DC10-40 w/reg N160US. Shanwick 0406 USB wkg Congo 215 w/posn for relay Gander. Gander 0454 USB wkg Delta 14 w/selec ck JM-JF. (RB) AOM 409 0213 USB BL-EG wkng SM/ARP 40W to much QRM for details. PAC 6216 0136 USB GK-DF wkg Shanwick/Selec ck. (TO)

4355 ALW 301 0634 USB wkg NY/ARP ELTIN F350 .80. Cubana 9716 0526 USB wkg NY/ARP BRUNZ F290 QSY Moncton CTR 133.95 (TO)

4645 Unid: 1651 USB bad mod. unid broken-EE YL rtnq airport wx. "This is information... Runway in use... 7, transitionlevel 40... Vertical visibility 50 meters. Visibility 150 meters... Fog." [Tallin Volmet, EST -RD]


4675 SA-NTA 25 Dec.95 0015 USB wkg Bodo, 70n 10w 0010 FL110 req descent. (RC) Speedbird 286 0859 USB wkg Montreal/ARP 62N-W F330 req oceanic. (TO)

5520 NL06GC 0609 USB wkg NY/ARP GABES F390 (TO)

5526 American 909: 0835 (MD.11) wkg unid aero sta giving a/c reg of N1756. Porto Velho: (SAM-SE MWARA) 0836 USB (SAM-SE MWARA) wkg REACH 5547. (AW) NORTHWESTh922 1248 USB w/San Fransisco radio, to Seatle center 135.15. KOREAN AIRh15 1258 USB w/San Fransisco radio, over to Anchorage radio. DYNASTYh004 1300 USB to DYNASTY opp's in Anchorage, a/c was unreadable so back to 5547 then to 2869, (no Joy). (SB) EVA 17 1100 USB wkg SFO/ARP 43N150W F310 (TO)


5574 NORTHWEST-8: 1228 USB w/San Fransisco radio, 150west report, then to 5547, CFAJ? (SB) United 44 1032 USB AC-DL wkng SF/Selcal check & req F340. Delta 1645 1115 USB AB-EJ wkng SFO/Selcal check & req F360. AOM 901 0848 USB wkg SFO/ARP F290 LAX-Papeete DC10-30 (TO)

5598 ASCOT 4072 (Hercules C.3, XV182) 1926 USB wkg Shanwick, 57n 10w 1953 selec AHJM, -> 2872/5649. (BH) REACH 50275 2030 USB wkg Santa Maria, Nothing heard. AMM 502 2035 USB wkg Santa, nothing heard. BAL 304A

Havana - Shannon, FL 350 to 6586 (primary). AFR 551 0930 USB wkg


DLH 463 2250 USB wkg New York, FMEL, 747 D-ABYP Miami - Frankfurt, FL330 to HENCH. EIA 953 2225 USB wkg New York, DKAB, 74M N481EV, 3840 290 3830 3920 to Rome. KLM 732 0928 USB wkg Shanwick, DKAJ, 74D


Mauritius 743 2055 USB wkg Mauritius/ARP vy weak no details. Springbok 282 2129 USB wkg Mauritius/ARP at 80E F350 (TO) French Line 754 2006 USB wkg Mauritius/ARP vy weak no details. Springbok 281 1845 USB wkg Mauritius/ARP at 80E F350 (TO) French Line 754 2006 USB w/Seychells radio, help needed on this one. Who is French Line ?? (SB) [Tony sez AOMhAir Outre Mer France hRD] Springbok 396 2007 USB w/perth rdo, Johannesburg to Sydney. QF-7581: 1130 USB w/Nadi radio, Sydney to Nadi via Honolulu, Airway 579, TEPEK (18.43s/176.03e). NZ-1770: 1209 USB w/Nadi radio, Honiara to Auckland?, Airway AS97 , GOPRA (20.12s/165.16e), LTO (La Tontouta, Noumea), VIRAR, (24.43s/167.44s). Solomonh701 1215 USB w/Sydney radio, Brisbane to Honiara, Airway A598, TEBAL (24.14s/154.27e), PUGAL (19.49s/156.13e) RIPNA (14.00s/158.25e) RIPNA is thew boundry between Brisbane & Honiara sectors. QF-7580: 1153 USB w/Nadi radio, LANIS (15.00s/179.08e). QF-12: 1154 USB w/Honolulu, Honolulu to Sydney. NZ-197: 1155 USB w/Auckland radio, Christchurch to Melbourne. AIRCAL-151: 1158 USB w/Nadi radio, Brisbane to Noumea, "on decent to noumea". AIRVAN-21: 1159 USB w/Brisbane radio, Port Villa to Brisbane, EPDR, VH-TJI, 737.400. QF-107: 1200 USB w/Nadi radio, Sydney to Los Angeles airway B580 TAVAR (15.00s/172.17e), GITON (10.00s/176.17e) BOILS (05.00s/179.50w). QF-4: 1202 USB w/Honolulu radio, Honolulu to Sydney. New Zealand 14 0844 USB wkg Brisbane/ARP F290 .84. New Zealand 204 0846 USB wkg BNE/ARP Lord Howe 44 0847 USB F390-F410. United 841 1013 USB FG-HP wkg Nadi/ARP F310 fuel remain. 206.6. Qantas 18 0925 USB wkg HNL/ARP F390 req F390.

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DELIS F330. Alitalia 847 2348 USB wkg Niamey/ARP est o/h Tamanrasset 0017 F330. Air Gabon 600 2317 USB wkg Niamey/ARP Agades 2325 F310. (TO)

5655 Dynasty 333 (CK-HL) 1856 USB wkg Singapore R. (JC4) Olympic 473 1856 USB wkg Singapore R. (JC4)


5667 RAID 86 1329 USB wkg HNL/ARP 2960N170W F370. (TO)

WUN-v02

744 9M-MHL Kuala Lumpur
Brisbane ATIDA APASI. PIA 769 2035 USB wkg
Madras APASI ATIDA. RJ3 187 1940 USB wkg Madras APASI ATIDA FL310.
SAA 286 2005 USB wkg Madras FL410 to Lumpur Radio. SIA 25 2045 USB wkg
Madras ERBM 744 9V-SPB Frankfurt Singapore FL310. SIA 346 1940 USB wkg Dadras DJQAR Singapore - Zurich, selcal check. SIA 421 2030 USB wkg Kuala FL310 to 121.2 Madras. (HW) 77-891 1317 USB wkg
Bham, ID? (SB) Air India 411 1741 USB w/Lumpur @ "TOSOK"
(6-ONN/97-00E) "HK-GM" A310-300 VT-EJL Kuala Lumpur to Madras.
Singapore 346 1753 USB w/Madras @ "ANOKO" (07-8.2N/95-25E), "BP-GR" 747-400 9V-SMM. Singapore 322 1715 USB w/Madras @ "TOSOK" "AE-HR"
747-400, 9V-SMW Singapore-LHR. Lufthansa 779 1740 USB w/Madras @ "APASI" (7-51.3N/92-46E), "BK-QL" 747-400 D-AVTB Singapore-Frankfurt.
KLM 838 1741 USB w/Lumpur @ "ANOKO" "DM-AJ" 747-400 PH-BFE. Malaysian 2 1749 USB w/Madras @ "PPB" (11-40N/92-46E) "BJ-ER" 747-400 9M-MPD.
KLM 808 1756 USB w/Lumpur @ "TOSOK" "BQ-EJ" 747-400 PH-BFO. Quantas 9 1714 USB w/Colombo @ "AKENO" (5-46.2N/92-00E) "HJ-KP" 747-400 VH-OJC.
Malaysia 14 1654 USB w/Madras @ "SAPLO" (10-36N/95-25E) "BJ-FS"
747-400 9M-MPG. Singapore 334 1755 USB w/Lumpur @ "TOSOK" "LM-AD"
747-400 9V-SML (QLS'd in '94). Air Lanka 423 1629 USB w/Madras @ "PPB"
"EM-BQ" 320-200 4R-ABA. Air France 157 1641 USB w/Madras @ "ANOKO"
"EH-BA" A340-300 F-GLZ. Iranian 841 1749 USB w/Lumpur @ "TOSOK"
"CJ-AD" 747-400 F-AAP, Kuala-Lumpur-Tehran. Pakistan 771 1750 USB w/Madras @ "ANOKO" "BE-BL" A310-300 AP-BQD Singapore-Karachi.
Swissair 187 1713 USB w/Madras @ "SAPLO" "AG-DQ" MD-11 HB-IW1. Pakistan 767 1713 USB w/Lumpur @ "TOSOK" "BC-EP" A310-300 AP-BEU. (JSM)

5680 Rankin Inlet Radio, Canada 2225 USB clg Baker Lake but no joy. (DHM)
6532 SATENA 130 1233 USB w/tfc w/Corozal. First time I've hrd an a/c on
this frequency. SATENA is not listed in Bob Evans' aero book, but per "Colombia: A Travel Survival Kit" it is a small airline operated by
the Colombian Air Force to serve isolated communities not reached by
commercial air companies. Probably a very rare airline to log on HF!
San Andres ATC 1235 USB clgProvidencia but no joy. Providencia ATC
1224 USB clg San Andres. These are in a Colombian island group in the
Caribbean. No joy, but "La Mina" answered & exchanged signal report.
Can't find "La Mina" on my very detailed Colombian map (bought in
Colombia!). At 1229 USB Turbo ATC (on the mainland) came on &
welcomed Providencia to the frequency & exchanged signal rpts.
New Year's greetings, f1st names. I got the idea that the islands
might be a new addition to the frequency. Corozal ATC 1231 USB called
Barranquilla, then traffic. (DHM) Barranquilla R. 1120 USB wkg UNID
st. w/Barranquilla actual wx in SP (TO).
6535 Speedbird 267 (BR-AE) 0320 USB wkg Dakar ARPA GAPOL F280. VARIG 767
(GM-AF) 0325 USB wkg Dakar w/ARPA NANI F350 DC10-30 PP-VMX. PLUNA 302
(GM-AD) 0326 USB wkg Dakar ARPA ONB1 F310 a/c is DC10-30 PP-VMX of
VARIG. VASP 847 0328 USB wkg Dakar R. 737-300 W/R 130-200 MD-11 PEPE.
Argentina 1157 (AM-BC) 0345 USB wkg Dakar ARPA GAPOL F310. Speedbird
245 (BP-CL) 0400 USB wkg Dakar ARPA KENX F310 (FLF) Ghana 161 0206
USB wkg Dakar w/ARPA at posn ULETM. This flight is now being operated by
a World Airways MD-11 on wet lease. (PI) VASP 774 0019 USB DL-EE
wkg Dakar/ARPA RAKUD F330 MOGNI 0057 .82 Air France 7295 0022 USB
CP-HQ wkg Dakar/ARPA OFF Nouakchott @ 19 F290. Air Afrique 312 0028
USB wkg Dakar/ARPA IDINI F330 AR 33 ZRT 0111. Air France 214 0031 USB
CP-GQ wkg Dakar/ARPA ECHED 0027 F330 BIMO 046. Air Portugal 394 0048
USB HS-FP wkg Dakar/ARPA NANI F370 .83 SAGRO 0120. Speedbird 266 0113
USB BP-CL wkg Dakar/ARPA NANI F330 SAGRO 0145. Swissair 144 0115 USB
AG-BQ wkg Dakar/ARPA REMII F280 BREN A-AR. Iberia 6840 0138 USB EK-CJ
wkg Dakar/ARPA NANI F370 .84 SAGRO 59. VARI 700 0138 USB AP-JM wkg
Dakar/ARPA ONTER F370 BURET 0127 .81. Argentina 1163 0139 USB JM-DH
wkg Dakar/ARPA UDELA 35 F310 ARDUS 49. VASP 750 0145 USB CE-BD wkg
Dakar/ARPA RAKUD F370 .82 MOGNI 0224. Air Afrique 0972 0147 USB wkg
Dakar/ARPA RZT 46 F290 BIMO 0205. Corsair 762 0148 USB wkg Dakar/ARPA
ECHED 46 F330 BIMO 0208. Air France 243 0149 USB GM-DW wkg Dakar,
Selcal check. Lufthansa 527 0249 USB AL-EH wkg Dakar/ARPA NANI F330
.85 SAGRO. Lufthansa 503 0335 USB LM-HR wkg Dakar/Delcal ck. New
Zealand 19 1123 USB wkg Nadi ACC/in for selcal check (no code given)
confirmed block alt. F350-F390 (TO)
6556 ACA 986 1955 USB wkg Calcutta DREM FL280 to FL350 JJS. AFL 552 2035


REACH 40621 (C-141B) 1221 USB clg Shanwick, no joy. KING 81 (HC-130) 1245 USB wkg Gander, 63n 30w 1250 fl240, 61n 40w. Call Iceland VHF, 40w on this freq. Reach 265ZZ 1336 USB wkg Gander, no joy. The ZZ suffix was used when the first US troops were flown in to Croatia a last summer. They were then operating out of Brize Norton. SLUMP 31 (C-130, 314 AW, Little Rock) 1344 USB wkg Gander, 58n 30w 1341 fl220, 58n 40w 1444, 55n 50w. (BH) 8867

N410WW 0206 USB wkg Auckland at F450 (J4) NZ 98 2020 USB w/Nadi radio. NZ 161 2054 USB w/Brisbane radio. EVA AIR 365 2056 USB w/Brisbane radio. Pacific 950 2103 USB w/Brisbane radio, Nadi to Brisbane, CQDR. QF 100 2106 USB w/Brisbane radio. N-166WC 0214 USB wkg Brisbane radio. Gulfstream 4, Washington Corp, from Australia to Honolulu, No point of departure known. QF-3: 0525 USB w/Honolulu radio, Sydney to Honolulu, Airway 579, COLDS (16.35n/161.13w). QF-25: 0544 USB w/Honolulu radio, Cairns to Honolulu. QF-56: 0648 USB w/Auckland radio, Christchurch to Brisbane, JMEG VH-EC 747.200, this a/c was fitted out as a SCD model, w/half pax & half freight, it's now converted to all pax config, as w/VH-ECB. QF-11: 0659 USB w/Auckland radio, Sydney to Los Angeles, on a non-standard air way, maybe using satnav system. Britainiana-607 0659 USB w/Auckland radio, Auckland to London via Cairns, on airway 346, Metet (32.26s 166.57e), TEKEP (30.29s/163.00e), TESAT (28.15s/159.10e), TABAL (28.15s/159.10e), POPOV (27.26s/157.55e), Hamilton Island NDB. QF-25: 0207 USB w/Brisbane radio, Cairns to Honolulu. NZ-11: 0208 USB w/Nadi radio, QF-166 to Melb w/Honolulu radio, Melb w/Honolulu radio, Wellington to Melbourne. FEDEX-9593 0453 USB w/Brisbane radio, Sydney to Honolulu, DEFM, N638FE 747 on airway B580 TABAL (28.15s/159.10e), VESUN (24.58s/163.0e) then Nadi. AIRCAL-141 0457 USB w/Brisbane radio, Sydney to Noumea. AIR NAURU-312 0502 USB w/Honolulu radio, to Nauru airport. AER VAN-14: 0506 USB w/Nadi radio, EPDR, VH-TJJ, 737.400. NIUGINI-5081 0136 USB w/Brisbane radio, Noumea to Port Moresby?, I have a feeling it's an F-28. QF-53: 0139 USB w/Brisbane radio, Brisbane to Auckland. QF-52: 0145 USB w/Brisbane radio, Singapore to Brisbane & Sydney, a/c was on the ground Brisbane & pre flight check. Ansett-874 0146 USB w/Brisbane radio, FL-220, BAe-146? SINGAPORE-280 0428 USB w/Brisbane radio, Somewhere in New Zealand to Melbourne and Singapore. (SB) Qantas 3 0649 USB wkg HNL/ARP F350 .85 posns unreadable. Royal Tongan 200 0650 USB wkg BNE/ARP posns unreadable. X007 0655 USB wkg AKL/ARP BOSLA F180-270 block alt. Qantas 101 0657 USB LG-BH wkg BNE/ARP F370. Qantas 11 0658 USB wkg Nadi/ARP LTO 57 F290 .83 req dev 40 mis R of track due wx. Qantas 26 0704 USB wkg Nadi/ARP F350. Qantas 54 0710 USB wkg BNE/ARP TEKEP F390 .86 Lord Howe 0738. New Zealand 1171 0712 USB 7S-8R wkg AKL/ARP REPOL? F390 .82 grnd speed. Royal Tongan 200 0716 USB wkg BNE/ARP LASEK F310 .76 MEUV next. Pacific 930 0719 USB wkg Nadi/ARP
& QSY AKL 5643. New Zealand 106 0728 USB wkg AKL/Selcal check 767-300ER SP-LPA on lease from LOT Polish. New Zealand 8 0730 USB wkg HNL/ARP TOALS? F370 .80. VH-FSX 0743 USB wkg AKL/ARP F370 posns unreadable, ent Faleolo. ?-NSM 0746 USB wkg BNE/ARP est SADAX? 0824. Fedex 77 0748 USB wkg BNE/ARP VIKGQ! F330 req F310. United 816 0750 USB wkg AKL/unable SATCOM at this time +h) est 1509S16917W 0900 "try logging on with NZ01". (TO)


MX 100 1937 USB wkg Algiers w/ARP. (PI) SABENA 514 0035 USB wkg Algiers/ARP est NSF 0124. (TO)

Huanuco Aeradio 2256 USB Tfc w/Lima (Peru). Yurimaguas Aeradio 1230 USB called Lima, tfc - first time hrd - Peruvian airport #17. Chachapoyas Aeradio 1234 USB called Lima, tfc - rarely hrd. Rioja Aeradio 1242 USB called Cajamarca, tfc - another new one for #18. (DHM) Lima Aeradio 2334 USB wkg Pucallpa Aeradio w/tfc in SP. (TO)

Douala ATC 2050 USB FF tfc w/unid a/c. Goma ATC 2109 ttf w/unid a/c. Kinshasha ATC 2119 USB w/Speedbird 56. Kano ATC Nigeria 2137 USB tfc w/Douala about several flights. Luanda ATC Angola 2142 USB w/Speedbird 58. (DHM2) Charter 2225 (Angola Air Charter) 2145 USB wkg Luanda Radio ARP Caufulu 2155 F280 abeam Malange 2207, TMA 2212 B737F D2-TJA (FLF) [Tony notes this is an excellent log, Angola 727's are not often heard on HF -RD] Air Zimbabwe 726 2121 USB ARP-Kinshasa/lvl 350. KLM 594 2124 USB wkg Brazzaville w/ARP. Speedbird 044 2126 USB wkg Kinshasa/lvl 310. Speedbird 056 2138 USB wkg Kinshasa w/ARP at MPK. KLM 594 2142 USB wkg Brazzaville at posn MKMA. Air Afrique 770 2144 USB wkg Kinshasa w/Req 370. Springbok 266 2153 USB wkg Brazzaville w/ARP at posn CF.
40n 30w 1919 fl290, 41n 20w 2027, 42n 15w 2100. Req. other route: 3925n 20w h 3740n 10w h Rota, diplomatic clearance is DESERT CALM. Cleared as per req, destination Moron. I have this listed as the above ANG unit, fl290 is abt the max altitude for a Herk. The diplo stuff is somewhat unusual for a normal ANG Ch130 to Moron. (BH) Air France 001 (DG-KM) 1401 USB wkg SM/ARP 41N40W F370 MIKE-Flores fwd to ATN. KING 74 1952 USB wkg NY/ARP 4105N65W F200 POOGGO-SAILE. Air Europe 716 2121 USB AE-JR wkg NY/ARP KHOHE F350. CROWN 95 2145 USB wkg SM/ARP 3830N40W F230. United 910 2233 USB AG-ER wkg NY/Selcal check on the ground at IAD. United 946 2235 USB JP-DH wkg NY/in the neighborhood for a selcal check :h). CNA-OM 2114 USB wkg NY w/ARP 43N65W F370 Moroccan AF C130. Austrian 3336 2234 USB GR-EF wkg NY w/ARP WATRS F330. Condor 109 2237 USB BL-CD wkg NY w/ARP GRANN F290 Puerto Plata-STR. (TO)

8909 Indian Aero Radio’s 1340 USB Madras, Bombay, Bangalore India all loud & clear, no a/c understood due to the very strong Indian accent’s, sound’s like low level a/c. (SB)

8918 Fine Air Cargo 364 0611 USB wkg Panama w/ARP CIGAR F310 ARNEL Grand Cayman. Fedex 304 2110 USB wkg NY w/ARP 200 mis out of Taboga VOR. (TO)

8929 Sobelair 3344 2145 USB wkg Stockholm LDOC/att QSY off freq, he wandered to 8936 then 8929 then 5540. (TO)


8933 Springbok 257 2212 USB wkg Johannesburg LDOC ops normal. Springbok 272 2307 USB wkg Johannesburg LDOC w/ARP. Springbok 239 2307 USB wkg Johannesburg LDOC w/ARP. Springbok 241 2308 USB wkg Johannesburg LDOC w/ARP. Jamba 001 2316 USB wkg Johannesburg LDOC w/ARP. C/s of Alliance. Springbok 224 2200 USB wkg Johannesburg LDOC w/ARP. Springbok 6221 2213 USB wkg Johannesburg LDOC. All SA callsigns beginning with 6### are cargo flights. (PI) American 744 1934 USB 07Jan96 pp American Dispatch v/ NY ARINC to report near miss (approx. 1 mile separation) w/yellow-tailed 757 or 767 a/c over Caribbean; originally asked NY Radio on 11396 for pp; was told to QSY 11342 pri/8933 backup. (RJL) Springbok 256 0208 USB wkg Springbok LDOC/ETA ZRH pos. ANINA. Manila Radio 1151 USB wkg Manila/req if Manila has direct QSY w/Guam. Dynaflite 668 1157 USB wkg
Hong Kong/ARP 13309 secondary. Cathay 716 1206 USB AF-BE wkg HKG/ARP & Selcal ck. N388MM 1208 USB wkg HKG/ARP TUNIR. Aeroflot 9351 1209 USB wkg HKG/ARP F310 TUNIR 1225. Speedbird 009 1214 USB wkg Singapore/ARP next call MINOX?. Singapore 809 1140 USB wkg Hong Kong/ARP F350 no details decipherable. Lufthansa 744 1141 USB wkg Hong Kong/ARP BKK-Manila 747 no details. Singapore 801 1143 USB wkg Hong Kong/ARP no details copied. Air China 957 1149 USB wkg Hong Kong/ARP just too weak to comprehend the posns. Tried selcal for at least one min w/this flt!. Singapore 805 1205 USB wkg Singapore/ARP & higher not available. Singapore 805 1205 USB wkg Hong Kong/ARP the whole Singapore to China. Singapore R. 1216 USB Attempting to QSY w/Malaysia 501 no joy. Singapore 71 1228 USB wkg Singapore/unable higher due tfc. Philippines 656 2250 USB BC-FL wkg Hong Kong/ARP w/selcal readable. Kuwait 418 2254 USB wkg Kuala Lumpur/ARP posns unreadable. (TO)

8948 BOMBAY RADIO, IND 1221 USB clg Thai Intl flt. (EW)
8949 Harare LDOC 0556 USB wkg AFMOS re Captain's work sked for coming week. (TO)
8957 Unid 2220 USB Caught tail-end of SS tcf w/exchange of aero wx details, but no IDs before going off. This is a domestic Bolivian airport frequency. (DHM)
8960 Heavylift 884 2152 USB wkg Portishead R. LDOC reg. RA-82042 An-142 w/dep. msg. 5N-EEO 2059 USB wkg Portishead LDOC w/pp to comp ops re engine trouble (TO)
9180 Arequipa 1156 USB called Lima (Peru), no joy. Tried again at 1159, then tcf. Peruvian airport #16 here. Lima 1203 called Ayacucho, but no joy. Peruvian Aeros 1205-1215 USB very weak tcf between several stns. Details of flights between Lima & Ayacucho, Lima & Arequipa, & (I think) Lima & Ica. No definite IDs, but appears to be a primary southern Peru frequency. Curiously, 896.5 w/northern Peruvians was in very strong at the same time. Thanks to the veri-signer at Pucallpa Aeradio for giving me this other Peruvian aero freq. Now need to ID some stns on it! (DHM)
10024 Guayaquil ATC 2243 USB Clg Lima, no joy. Resistencia ATC Argentina 2245 USB called Cordoba, no joy, then called La Paz, Bolivia, which answered. Very weak w/ QRM from Guayaquil. LAN CHILE #1165 2247 USB tcf w/Guayaquil. (DHM)
10024 N911KM 2310 USB wkg Bogota/ARP F350 QSY 125.1. KLM 751 2313 USB wkg Lima/ARP PABAM est TAP 2336. (TO)
11282 San Francisco Radio #Dec.95 1800 USB att to raise United 810, it turned out that a/c & another F?? 828 had the same selcall, to avoid confusion the controller moved UA 810 to 13,288 Mhz. (WC)
11285 FOXTROT 7 1105 USB clg PERTH RADIO. MADRAS RADIO, INDIA 1112 USB clg Singapore 7385 re flt info. (EW)
11288 Unid: Dec.12,95 USB 0646 commercial tcf in EE & AA w/males, mention of callsign of "Zero-Zero-Zero" and "Zero-zero-Four". "Kapitan Ali...unreadable!" "What quantity?" 0649 "Zero -zero-four - Gendar Gdansk" heard several times but no reply. Anybody got any ideas? (RH) [prob Rockwell LDOC wkg Saudia 00x flights w/pp tcf to Jeddah -RD]
11300 INDIA 305 0908 USB Cairo (I1.38, Indian Navy ??) FL220 eta Cairo 1315, entering Cairo FIR at kombe 1200. India has a I1.38 registered as "305", & they are known to use serial as callsign often. Cairo is a more or less regular destination for the Indian Navy; Dutch aviation magazine Scramble reported an Indian Navy Tu.142 Bear heading for Cairo recently. If this speculation turns out to be right this was my first ever military Indian log! (BH) SYTWA 1335 USB wkg Nairobi wx. AHR 056 1240 USB wkg Cairo Nairobi - Athens, From Nairobi to Athens. ATC 768 1555 USB wkg Nairobi Switching to 7595. Very weak and unreadable. AZA 806 1240 USB wkg Cairo JSCD, Rome, Nairobi B767 from Rome to Nairobi FL370 SML. AZA 820 1335 USB wkg Cairo SML BAW 67 1545 USB wxw Kartoum London LHR - Nairobi, SML MRW. DLH 8536 1545 USB wkg Cairo Frankfurt - Addis Ababa, DC-8 from

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Frankfurt to Addis Ababa. KLM 569 1410 USB wkg Khartoum Dar es Salam - Amsterdam, SML FL330 NUBAR. MAU 060 1305 USB wkg Cairo SML. (HW)

Balair 123: 17 Dec.95 USB wkg Tripoli, departed HKMO (Mombasa, Kenya) Dest LSZH (Zurich) Aircraft HB-IPM A310. (RC)


Balair 123: 17 Dec.95 USB wkg Tripoli, departed HKMO (Mombasa, Kenya) Dest LSZH (Zurich) Aircraft HB-IPM A310. (RC)


11342 DHL 525 1644 USB wkg NY ARINC at Aruba w/arr. msg (TO)


11366 VARIG LDOC Rio de Janeiro 1150 USB wkg VARIG 191 dep. Porto Alegre 1130/38 ETA Curitiba 1220. 737h300 reg. PPhVNZ (FLF) VARIG 890 0926 USB wkg Belem VARIG LDOC/ARP VAGAN 0920 ETA MIA 1300, DC-10-30 PP-VMY (TO)

11384 N192PA: 0553 USB w/Honolulu radio, To Guam?, Ex PAN AM by any chance? QF-70: 0555 USB w/Honolulu radio, Narita to Perth, to cross 08 north at FL-330. QF-69: 0556 USB w/Honolulu radio, Cairns to Narita, Airway A-216 HOKEY (10.01n 142.44e) the inbound point for the GUAM AIDZ, Airway B-586 OWLSS (17.33n 143.41e) the outbound point for the GUAM AIDZ. JAPAN AIR 776 USB wkg Sydney Radio, Narita to Sydney, GHB3, JA-8131, 747.200 1-1/2 hours late! UNITED-860 0631 USB w/Honolulu radio, Airline "higher", QF-177: 0633 USB w/Honolulu radio, Sydney to Seoul. Ansett-881, 0643 USB w/Honolulu radio, Sydney to Nagoya. (SB)

11387 Sydney VOLMET 0901 USB for Townsville and others (TO)


13261 UNITED-862 0400 USB w/Nadi radio, Sydney to Honolulu, on airway B580, POXAK (164.41e 23.26s), LTO (Noumea) PULON (20.29s 167.35e). AIRCAL 111 0404 USB w/Brisbane radio, Melbourne to Noumea, on airway B580, TABAL (28.13s 159.10e), VESUN (24.58s 163.00e), POXAK (23.26s 164.41e), LTO (noumea). (SB)

13282 JMA Tokyo USB 0545 w/Volmet wx report (AW)

13285 Beijing Volmet USB 0545 w/EE wx report (AW)

13294 SOI 401 2237 USB wkg Kinshasa/told to QSY 8913. (TO)


13330 DHL 509 1945 USB wkg NY ARINC/pp w/company ops (TO)

17904 Boeing 77712 USB 0055 clg/wkg Honolulu. Posrep and selcal (AW) Air Mike 957 (DH-BC) 0612 USB wkg Honolulu e/r Truk-Guam (JC4) NZ-81: 0422 USB w/Honolulu radio. Air Mike-957 0422 USB w/Honolulu radio, to
Ponapei. All Nippon-914 0424 USB w/Honolulu radio, Sydney to Narita.
QF-177: 0426 USB w/Honolulu radio, Sydney to Seoul.
QF-177: 0426 USB w/Honolulu radio, Sydney to Narita.
Air Mike-916 0515 USB w/Honolulu radio, to Saipan.

17937 American 989 1646 USB wkg Lima flight Support LDOC w/ARP F290.
American 916 1646 USB AM-BQ wkg Lima FS for selcal check. (TO)

17977 JJA7 1102 USB clog Scheffield? Ops or something like that, no joy.

Please note that ARQ is used for SitorhA, FEC is used for SitorhB, and both of these modes are 100/170 unless noted otherwise. RTTY is used for Baudot.

111.8 PRAGUE MET (OLT21) 0851 FAX 120/576/N/300 Two small chartlets. (Dw)
117.4 OFFENBACH MET (DCF37) 1216 FAX 120/576/N/300 N Atlantic upper air chart. (Dw)
134.2 OFFENBACH MET (DCF54) 1954 FAX 120/576/N/300 Small chartlets, precipitation forecasts. At 1222, Trajectories, small chartlets & graphs. (Dw)
140.3 DGPS station Mainfingen,D 1726 MSK 300bd This is a test site. Probably also test transmissions (AB)
144.5 RCG: Moscow Meteo, RUS 1943 FAX 90/576 ASXX 18z, fair but QRM by unid navigation system (see Utility Round-Up in WUN 12/95) (KB)


524 Unid 2250 ??? 75bd. Unid 2126 UNID 75bd  (AB)
1801 DGPS station ? 2141 MSK 100bd  (AB)
1851 DGPS station ? 2144 MSK 100bd  (AB)
1871.5 P3N04: mv MSC Jade 2239 ARQ w/Oostende Radio on 2815.5 kHz (AB)
1944 DGPS station ? 2143 MSK 100bd  (AB)
1975 DGPS station, Aberdeen, G 2350 MSK 300bd DGPS data (AB)
2021 DGPS station ? 2145 MSK 100bd  (AB)
2043 GERMAN CG SHIPS 0737 ARQ iris mode then "fo x+" & signoff. At 0800, German Fisheries protection vessel "Seefalke/DBFO" & ,,,mer"" c lg Cuxhaven selcal QDPT. Posn reports. At 0350, Selcals QDPT, on net to Cuxhaven who is on another freq (unid). Fisheries prot vsl "Seefalke" & ,,,mer"" with posn reports. At 1030, SHIP "SEEFALKE" selcals QDPT, "Guten abend om Seefalke 54.20N NE 5-6 kontrollfahrt das ist fuer heute alles om gw tschuess 73 +?.. Part of German CG as selcal is not recognized commercial coaststation. (DW)

2147 Unid. "GLEN ?" 2307 ARQ Tfc re stores, could be fishing vsl "think fish gone on holidays". (DW)
2187.3 Unid 2030 ARQ-M2 200b. (JK)
2187.5 GMDSS CHANNEL 2057 GMDSS 100/170 10 packets of various types. At 1057 GMDSS 100/170 Two packets. At 0750 55 packets in all received. (DW)
2242.3 Unid 0600 AEQ-M2 200. (JK)
2246.5 MOI SPAIN NET 2255 ARQ Traffic in online encrypt. Tfc fm JECOR ALAVA. (This station first noted as an 800hz shift signal on 4493khz - 2nd harmonic). (DW)
2423.5 SAB: Goteborg Radio, S 2220 ARQ c lg EAXK (AB)
2461.5 OA: Irish Navy Dublin, IRL 2330 ARQ w/3. Routine msgs (AB)
2477 LAUG4: mv Bruno 2246 ARQ w/Goteborg Radio. SYZA: mv Limon Trader 2329 ARQ Msgs via Maritex Goteborg. LYL: mv Ostankino 2259 ARQ w/Goteborg Radio (AB)
2513 Ship channel (QSX St. Petersburg Radio) 1950 ARQ unid vessel c lg St.Petersburg (KYVV) (AB)
2549 Unid (German MOI ???) 2023 ARQ-E 96bd Idling all night. (AB)
2549.2 MOI Bonn,D 2559 ARQ-E 72bd Msg to GSP Berlin (GOVHF) (AB)
2550 Unid (German MOI ???) 2023 ARQ-E 96bd Idling all night. (AB)
2650 UNHCR Pactor-U w/press & sitrep's to HCBG (UNHCR Lubjiliana). (J2J)
2716 SAB: Goteborg Radio, S 2310 ARQ Msg to mPupari via Maritex (AB)
2720 SAMARA MET (RDE73) 1647 FAX 60/576 Chart with plotted obs. (DW)
2740.7 DLVB: mv Schleswig-Holstein (customs launch) 1530 ARQ w/same. DLV: mv Kniepsand (customs launch) 1532 ARQ w/same. (AB)
2789 FUE: French Navy Brest,F 2230 RTTY 75bd Clg FAAA (all French navy vessels) test tape (AB) FN BREST (FUE) 2251 RTTY 75/850 Marker "FAAA de FUE" sg's figs. (DW)
2813.2 Portuguese Navy 1545 RTTY 50b. (JK)

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2815.5 OST: Oostende Radio, BEL 2239 ARQ w/MSC Jade on 1971.5 kHz (AB)

2834 DGPS station ? 2233 QPSK 300bd (AB)

2840.7 DLGZ: mv BG21 Bredstedt (patrol boat) 2306 ARQ w/German CG Cuxhaven. Posn report. DBIF: mv BG22 Neustrelitz (patrol boat) 2308 ARQ w/same. (AB) GERMAN CG NET 1939 ARQ Two unid stations closing qso. Op chat in German. GERMAN CG NET 0732 ARQ Selcals TMCT. GERMAN CG NET 0752 ARQ Cuxhaven ? issuing wx forecast for N Sea (qrm fm Sitor/B). Selcals QDPT. Same at 2009 ARQ Posn report from Bredstedt/DLGZ to Cuxhaven. (Dw)

2842 RFFEDFA: French Army Metz (Brigafrancal Mobile), F 2010 ARQ-E 72bd Exercise. Msgs to RFFXCF Detecoltrans Deux, RFFHCDF Decoltrans Quatre, RFFGC Decoltrans Un (AB)

2842 FF TOULOUSE [RFFW] ? 1835 ARQhE 72/400 Betas. (Dw)

2892.3 GYA: Royal Navy London, G 2237 RTTY 75bd Availability msgs (AB)

3029 German CG Neustadt, D 1733 USB w/unid CG vessel. Posn report (AB)

3029.7 German CG Neustadt, D 1706 ARQ w/BG21 Bredstedt, posn report. DLVL: mv Hohwach (customs launch) 2253 ARQ w/German CG Neustadt. Posn report. (AB)

3219.5 Guardia Civil, Barcelona ARQ. (JK)

3267.5 Guardia Civil, Cadiz ARQ. (JK)

3360 KIEV MET (RPN71) 2312 FAX 90/576/N/800 Idling on black w/white dead zone. (Dw)

3367.2 Unid 1700 ARQ-E 48b. (JK)

3503 FRENCH FISHING NET 0828 FEC App net French fishing vssl using Sitor/A+B. Vessels FUNGU/FNXH/FNGN/FNBD/FNXI/FNKL at 0830/0930/1030/1200/1415/1700z. Tfc encrypted (company posn & fishing quality reports?) (Dw)

3542.7 GKE1: 2107 ARQ wmarker GKE1. (RC) PORTISHEAD RADIO (GKE1) 0927 FEC Marker "GKE1" & tuning burst. Recent redesignation from GNK2 but remains paired w/2574 khz. Then N/Atlantic wx from 0930z (Dw)

3582.9 Unid 1900 FEC-A 144b. (JK)

3588.5 Guardia Civil, Ochagavia (nights) ARQ. (JK)

3606 UNID 2258 ARQ-E 192/170 8CRC Betas. Idling on a 7betas 1rq pattern. (Dw) Unid ARQ-E 192b 0700-1930. (JK) [unid since 4/95, has been listed as poss CID EHQ-EHR night link -RD]

3607.3 HUMBER RADIO (GKZ1) 2135 CW/SITOR Marker "GKZ1", tuning bursts. (Dw)

3607.8 HEBRIDES RADIO (GHD2) 2135 CW/SITOR Marker "GHD2", tuning bursts. (Dw)

3615.7 PORTISHEAD RADIO (GKY8 now GKY1)? 2138 FEC End of wx forecast. Marker "GKY8" & tuning bursts. Previously Stonehaven/GND1. qso with ships - no tcf held/qr. (Dw)

3641 RFFEDFA 0530-0900 ARQ-E/72 to RFFGCFD. (JK)

3656.9 ARKHANGELSK MET (RZV73) 2211 FAX 60/576/N/800 Chart idle until 2224z - white w/black dead zone, transmitters low, then chart w/plotted observations. (Dw)

3701 SAMARA MET (RGJ31) 2231 FAX 60/576/N/800 Chart w/plotted obs. Multipath fading. (Dw)

3734 Unid ARQ-E 100b 0530-2000. (JK)

3802 ICRC Bonn, 0530 PACTOR 200b. (JK)

3810 MINSK MET (RST75) 0752 FAX 90/576/N/800 Very short notice then offair. Same at 1913 FAX 90/576/N/800 Grainy chart with plotted obs. (Dw)

3830 UNHCR Zagreb 1800 PACTOR 200. (JK)

3832 Unid RFFBYYZ: 1930 ARQ-MZ 200/360 w/5LG tcf to RFFVAY, Sarajevo, via "PVX" circuit. (PT) [Ary sez this is French Forces in Bosnia -RD]


3850 ADDIS ABABA AIR (ETD3) 2218 RTTY 50/R/400 Aero traffic. Cct ID not clear - [VTA] or [VHA] (Dw) Same at 2236 RTTY 50/R/400 Aero tcf. Cct [VTA]. Tcf addressed HAAS/Asmara and HAAZ/???. (Dw)

3922 Unid 1155 ARQ-E 85b msgs are encrypted. (HS)

3922.5 UNID. 0730 ARQ-E 85.1/170 All day monitor to disc. 4CRC. Full flow online encryption. (Dw)

3931 BPXL 1930 RTTY 50bd/413Hz RY-string and codetfc from unid-station in Tunis. (JJ2)

4016 Navmarcormars sta. NNNOHPQ 0040 PACKET w/MARScnews to NNNOGAD. (RM)
4020 Unid POL-ARQ 50Bd/246Hz from Stetin (Poland) w/coded-msg's. (JJ2)
4084 VDD, CAN mil., Debert, NS 0030 RTTY 75/170 w/all VFT channels
        encrypted on link to Australia. (RM)
4090 UNHCR 1920 PactorhU w/press & sitrep messages. (JJ2)
4173.5 mv TH Sumy 2148 ARQ Msgs to various Russian addressees (AB) [UVYH
        hRD] mv TH Usole 2005 ARQ w/Mariupol Radio (AB) [UJEBV hRD] UNID SS
        EWA 0425 ARQ w/TLX RE: COMPUTER PROBLEMS. MATSON SHIP L.A. TO
        SEATTLE. (WT) [c/s WEZM, ex-President Tyler -RD]
4175 ELQX6: 0635 ARQ M/S Century, Celebrity Cruises newest cruise ship,
        w/svc tfc to WLO. (RB) 9HNG3 M/V KONAVLE 0230 ARQ CHECK IN, QRU.
        LOGIN: 13647 CCAR. (WT)
4176.5 HO2127: mv Livia 1518 ARQ Msgs to Vertom Rotterdam (AB)
4176.5 SQEE: MV Kopalnia Zofiowka 0655 ARQ listing of cargo re. storage of
        ferrousphate & ferrochrome. (MR2) 3FXI3 M/T HERO 0715 ARQ W/AMVER
        TFc, CORPUS CHRISTI TO PUERTO LA CRUZ. LOGIN: 42366 HERO. (WT)
4178.5 UDUE: Yenisei 1453 ARQ one msg for Switzerland via KPH. (AB2) KDBG:
        0742 ARQ M/V President Lincoln w/tlx tfc in Dutch. (RB)
4178.5 UDNP: 0542 ARQ M/V Forest Hills w/tlx for dischg report, Genoa,
        login 29496 FHILS (RB)
4202.5 UVHA: 2151 RTTY RTMKs Vasiliy Lozovskiy, in 50/170 RYRY/DE to UIW,
        w/admin TG's to Murmansk Tralflot using hull#/ID MAh1823 for ETA
        Hamburg. (RB)
4204.5 Unid. 0715 GMDSS 100/h Coast station DSC frequency. One packet (?
        Noise burst) giving. "Format Specifier: Error: No valid clg mode." (RB)
4206.3 Goeteborg Radio (SAB23) 1701 FEC Swedish ship press. (DW)
4271 CF HALIFAX (CFH) 0015 FAX 120/576/N/800 Ice chart. CF HALIFAX (CFH)
        2249 RTTY 75/600 Met traffic. QRM fm (female) numbers station. Same
        at 2351 RTTY 75/600 wx forecasts in cryptic English. (DW) CFH: CF
        HALIFAX NS, CAN 0147 RTTY 75/850 w/wx. (SS)
4295 WWFRCAN 0130 RTTY 75/850 RYS/SGS/DE HNW. (SS)
4312 WLO 1235 FEC WX Product Announcement, Solar report, tfc list. (EC1)
4324 NMC 1200 FAX 120/576/N/800 Small chartlets for upper air
        over Europe. (DW)
4349 BRACKNELL MET (GFL26) 1200 FAX 120/576/N/800 Small chartlets for upper air
        over Europe. (DW)
4349 BRACKNELL MET (GFL26) 1252 RTTY 75/400 Met traffic. (DW) GFL26,
        Bracknell Meteo, G 0149 RTTY 75/400 w/wx. (RM)
4392 RFFGCFC: (Mulhouse?) 1700 ARQhE 72/410 Exactly the same msg as
        5453 KHZ at 1550. (PT)
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Ch:B cct [FKWB] svc to RFFVA zid FDXB 069 zic FKWB 047. (DW)

4711.3 Unid. w/encryption 0154 RTTY 75/850. (RM)
4768.0 Unid. w/encryption 0155 RTTY 75/175. (RM)

4788 DAKAR MET (6VU23) 2235 RTTY 50/N/400 AAXX originated by DIAP (Abidjan/ Port Bouet) w/all station (Ivory Coast - 653xx) data given as "tests." Then marker "cq de 6VU23/73/79" and ry's. Freq 410hz high & often unstable. (DW)

4810.4 Unid. w/encryption 0156 RTTY 100/850. (RM)

4855 NPM, USN, Pearl Harbor, HI 0156 120/576 w/wx chart. (RM)

4962 MFA Warsaw fm Minsk 1900 POL-ARQ 100b. (JK)

5024.9 MOI Bonn, Stuttgart 1100 ARQ-E 96b. (JK)

5049.2 PSP NET 0840 ARQ End of qso. Tfc fm VXVV 20026 cdprt to comgerpsp. SelcalsVVES VVEX VVOC. (DW)

5055 3PY6 Amman Jordan 1841 RTTY 50/425 PETRA Nx. (CC)

5097.3 CFH, CF, Halifax, NS 0159 RTTY 75/850 w/NAWS freq. list. (RM)

5099.1 RN LONDON (GXQ) 1622 - 5099.195. Chan H in VFT. Idle on space. (DW)

5099.3 RN LONDON (GXQ) 1612 ARQ-342 96/E40 5099.365. Chan G in 4CRC. 2 chan. Ch:A: met traffic.Ch:B: idling alphas. (DW)

5100.6 RN LONDON (GXQ) 1523 hh//75/h/340 5100.555. Chan D in VFT. Online encrypted. ACF7. (DW)

5100.7 RN LONDON (GXQ) 1520 hh//75/h/340 5100.725. Chan C in VFT. One line encrypted. ACF7. (DW)

5101.2 RN LONDON (GXQ) 1519 hh//75/h/340 5101.235. Chan B in VFT. On line encrypted. ACF7 (DW)

5101.4 RN LONDON (GXQ) 1512 RTTY 50/N/340 5101.405. Chan A in VFT. Order wire/eng chan. Idle on mark. (DW)

5102 RN LONDON (GXQ) 1516 LSB 8 channel DCN vft on LSB (usually USB). (DW)

5128.9 BRIEF: MOD Paris, F 1550 ARQ Encrypted traffic (AB)


5207.3 AAT3TPA: Army MARS sta. in Penn 2050 PACKET w msgs to AAR3CB. (RM)

5216.7 Spanish Air Force ARQ duplex with 5851.7. (JK)

5221.5 CONOTOU AIR (TYE) 2320 ARQ-342 96/400 4CRC. 2 channel. Ch:A cct [UNA] (to Niamey) svc CH de TYE. Then air tfc. Ch:B svc CH de TYE every 20 mins. (DW)

5240 TANJUG BELGRADE (YZI213) 1958 RTTY 50/500 EE press. 180hz high. Same 2254, press in EE. (DW)

5285 Kiyev Meteo, UKR 1814 FAX 90/576 synoptic chart. //3360 but less distortion (5285 is used by both Kiyev and Tashkent Meteo) (KB)

5299 IER20: IFG Rome, I 0915 ARQ Encrypted traffic (AB)

5312 MFA BELGRADE 0629 RTTY 75/R/400 Marker "DFZG qtc ry's" and tfc list. Tfc in offline encrypt after p/l header. Ends "tks 73 sk" & offair. (DW) MFA Belgrade 1000 FEChA 144b. (JK)

5325 ALMA ATA MET (RCW75) 1935 FAX 60/576/N/800 Chart with plotted obs. Transmitter slightly fast. (DW)

5346.9 ARKHANGELSK MET (RSW71) 1049 FAX 60/576/N/800 Weak signals. Dead zone and occ vague outlines only visible. (DW)

5355 MOSCOW MET (RND77) 1623 FAX 90/576/N/800 AUXX. //7750. (DW)

5397 RFFPC: MOD Paris, F 2300 ARQ M2 200/340 w/traffic for 'RFFVAY' Sarajevo. (PS)

5397.7 Unid: 0520 ARQ-M2 200/354 Ch 1-5 LG; Ch 2-idle. (MR2) [RFFP, Mod Paris -RD]

5413 "GT" 1348 RTTY 75/854 clg GXQ w/Foxes & RY's, then into encryption after "vgmtcnj". Presume "GT" is a British warship. (PT)

5453 RFFGFC: (Mulhouse?), F 1550 ARQ-E 72/411 w/test msg including RY's
& "LE BRICK" to RFFGCCC via "UFC" circuit. (PT)

5474 SANTA MARIA AIR (CSY) 2312 RTTY 50/N/670 Marker "de CSY CSY CSY" &
ry's. 680hz high. (DW)

5477.4 MFA BUDAPEST (HGx21) 0721 ARTRAC 125/170 Tfc (diplo news summary) in
Hungarian p/l. (DW)

5692.2 UNO 1000 HC-ARQ 240b. MFA Teheran 1000 HC-ARQ 240. (JK)

5705.8 FF FT DE FRANCE [RFLI] 0746 ARQ-E3 96/400 8CRC. Betas. Operating on
LSB. Slow transfer of tfc in French p/l. Seems to give up. At 2055,
Tfc in FF p/l. Cct [IRT] to Cayenne. (DW)

5725.5 UNHCR Yugoslavia, 24h, PACTOR 200b/ARQ 100b. (JK)

5737.1 UNO 1100-1830 HC-ARQ 240b. (JK)

5793.4 Unid 2000 ARQ. (JK)

5796 UNID. 1526 ARABIC 50/170 Tfc in ATU80 in discrete messages. Period
msgs & period off air. Transliteration kds (to) kdpkmh (alsadt).

5797.1 Unid 1130 RTTY 50b/400 Arabic, starts w/G/O/FAJ 183, end was OG KDJ
KDO DJB HXH, JMSFVDMLLM LDKDQKGQ--Y, KDJKX/ OYMKDPR DJLHM. (GD2)

5850 OXT: Copenhagen Meteo, DNK 0948 FAX 120/576 ice chart, fair (KB)

5864.7 WLBV: 0814 ARQ M/V Richard G. Matthiesen (ThAOTh1124) MSC chartered
oiler, w/ETA tlx. (RB)

5865.5 UCNR: Akhtuba 0202 ARQ msg ck. (AB2) LXBY: 0601 ARQ M/V Cornelis
Verolme, container ship w/tlx tfc. KNJA: 1455 ARQ SS Tampa Bay w.tlx re stow plan.

6167.1 VOA, Washington D.C. 1542 ASCII 300/170 Test transmission "OUTERNET".
(PS)

6262.5 YUER: 0650 ARQ TKH Donetskiy Metallurg w/tlx tfc after sending
selcall XVSK (KPH). (RB)

6266 OYNG2: 0544 ARQ M/S Maersk Leader w/tlx tfc. (RB)

6267 EQPT: 0405 ARQ M/V Iran Ghafari w/24 hr notice to Manzanillo tlx via
VAI, Vancouver CG Radio. OYNG2: 0544 ARQ M/S Maersk Leader w/tlx tfc.

6267.5 SHIP "BREDIHIN" 2247 ARQ Difficult comms. Station contacted Riga
(zone channel working?) Comms did fail and stn
reverts to selcall CVCX (but Riga is 3704/KYVM) then offair. (DW) [TR
Fedors Bredihins, YLAZ hRD]

6268 EQPT: 0405 ARQ M/V Iran Ghafari w/24 hr notice to Manzanillo tlx via
VAI, Vancouver CG Radio. OYNG2: 0544 ARQ M/S Maersk Leader w/tlx tfc.

6268.5 3FAC4: M/V Columbia 0705 ARQ w/cargo list. MV Koueratsiya 2347 ARQ
comm w/Moscow Radio, RUS. (MR2) DNVP3: 0213 USB M/S Song of Norway
ships, w/TG to crew member on board M/S Legend of the Seas. (RB)

6268.6 Unid: 0538 ARQ w/pers tg's login: 71001 VJUB. can't ID this one.

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6270  3EIK8 Atlantic Star 0120 ARQ w/tlx, login: 42715 ASTR. (WT)

6272.5 C6KV3 M/V Canterbury Star 0622 ARQ in OPR mode. (WT)

6273  P3AC3 M/V ATLAS 0222 ARQ w/TLX ETA CHARLESTON 6h1. LOGIN: 01717 ATLAS. (WT)

6273.5 DUCT Eurasian Charm 0423 ARQ Calling XVSX = 1091 = KPH, no joy. sent login 76768 DUCT. (WT)

6274  YLCS: 2137 ARQ TK Dzintari w/crew TG tfc to Riga Radio. YLAO: 2145 ARQ TKH Ivan Pereverzev, w/crew TG tfc to Mariopol Radio. (RB)

6274.5 ELBM9: 2045 USB M/S Tropicale, Carnival Cruises 36,674 DWT cruiseship w/tlx tfc to crewmember aboard cruiseship Starship Atlantic. UDXF: 2134 ARQ TKH Professor Khliustin w/crew TG tfc. (RB)

6281  UZHG M/V Kapitan Ponomarev 0321 ARQ w/tlx arr Corpus Christi. 5BUF: M/V Jodie D. 0137 ARQ w/tlx, login: 00574 5BUF. (WT)

6300.5 SQRL: 2020 ARQ Kopalnia Borynia w/PP tlx via Szczecin Radio. (RB)

6303  LYDD: 2119 RTTY ML Sventoyi in 50/170 admin msg for ETA Casablanca. (RB)

6303.8 ENVI: 2304 RTTY TKH Kapitan Soroka in 50/170 RYRY/DE to UUI, Odessa Rdo, using former c/s UWPC in RY, w/tlx to Novamar Ravenna, Italy for ETA to dischng 4530 MT cargo. UYPD: 2140 RTTY TKH Valeriy Mezhlauk in 50/170 crew TG's to same (ODS/UMF). (RB)

6305  UWZY: 1959 RTTY TKH Professor Anichkov in 50/170 admin msgs to Odessa from master, KM Kvolchukav. UTWY: 2142 RTTY TKH Svanetiya w/ETA Damman, this is ex-UOIJ. ENXS: 2147 RTTY TKH Kapitan V. Ovodovskiy in 50/170 RYRY/DE to UUI, & into crew TG's to same (ODS/UMF). (RB)

6308.3 ENV1: 2304 RTTY TKH Kapitan Soroka in 50/170 crew TG's to Odessa (ODS/UMF). (RB)

6309.5 UAHC: 2127 RTTY TKH Adigeni in 50/170 RYRY/DE to UUI, Odessa Rdo, using former c/s UWPC in RY, w/tlx to Novamar Ravenna, Italy for ETA to dischng 4530 MT cargo. UYPO: 2140 RTTY TKH Valeriy Mezhlauk in 50/170 crew TG's to Odessa rdo (ODS/UMF). UTOB: 2147 RTTY TKH Aleksandr Tsyurupa in 50/170 RYRY/DE to UUI, Odessa Radio, & w/admin TG w/ref to Port Columbo. UYYH: 2318 RTTY TKH Kapitan Kaminskly in 50/170 crew TG's to Odessa Radio. (RB)

6309.6 LYES: 0031 RTTY TKR Suomiyos Ilanka in 50/170 RYRY/DE to LYL, Klaipeda Radio, Lithuania, & into crew TG's to same. (RB)

6310.5 UVHA: 2123 RTTY RTMKS Vasily Lozovskiy, in 50/170 RYRY/DE to UUI, & w/admin TG's to Murmansk Tralflot using hull#/ID MAh1823. (RB)

6312  UNID. 0618 GMDSS 100/170 19 calls, nearly all Selcall individual routine or safety/test. (DW)

6314.5 GOETEBORG RADIO (SAB301) 2236 ARQ Receiving tfc from ship "Gen. Cabal". (DW)

6315  PORTISHEAD RADIO (GKE3) 0933 FEC N/Atlantic wx, at 2244 w/SITOR Marker "GKE" & tuning burst. (DW)

6315.5 MARIUPOL RADIO (USU) 2257 CW/SITOR Marker "USU" & tuning burst. (DW)

6316  BUENOS AIRES RADIO (LSD836) 2307 CW/SITOR Marker "LSD836" & tuning bursts. NOVOROSIYSK RADIO (UFN) 2304 CW/SITOR Marker "UFN" & tuning burst. (DW)

6316  MOBILE RADIO (WLO) 2311 CW/SITOR Marker "WLO" & tuning burst. ODESSA RADIO (UUI) 2310 CW/SOTOR Marker "UUI 3651" and tuning burst. (DW)

6318  ROGALAND RADIO (LGU2) 2325 CW/SITOR Marker "LGB TLX" & tuning burst. (DW)

6318.5 LYNGBY RADIO (OXZ) 2326 CW/SITOR Marker "OXZ" and tuning burst. (DW)

6319  MOBILE RADIO (WLO) 2327 CW/SITOR Marker "WLO" and tuning bursts. (DW)

6320  NORDDEICHER RADIO (DAN) 2329 CW/SITOR Marker "DAN" & tuning bursts. (DW)

6321  ST LYS RADIO (FFT31) 2331 CW/SITOR Marker "FFT" & tuning burst. (DW)

6321  MOBILE RADIO (WLO) 2333 CW/SITOR Marker "WLO" and tuning burst. (DW)

6321.5 SVA: ATHENS RADIO 0400 FEC tcf lst + CQ call (SS)

6331  UNID. 0715 GMDSS 100/170 Coast DSC frequency. 2 packets (? noise bursts). "Format specifier :Error : No valid calling mode." (DW)

6336  GYA: RN London, G 1140 RTTY 75/815 w/availability info. (PT)

6347  HWN: Paris, F 1404 RTTY 75/830 w/RY's, SG's & "DE HWN". (PT)

6348.5 HWN Paris France 0729 RTTY 75/850 RY test. (CC)

6416  WLO 1800 FEC wx + x-mas greetings. (EC1)

6496.4 CF HALIFAX (CFH) 1945 FAX 120/576/800 Wave prognosis. At 2243.
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CF HALIFAX (CFH) 2243 RTTY 75/600 Met traffic, at 2253 w/75/600
Terminal forecasts. (DW)

6741.7 TUNISIAN NAVAL NET 1912 ARQ Msg "secret routine rr/" very s. slow then
selcals XKTO. 'Fm PLM' then selcals XKTO. Swaps to sitor/B "XTKQ ry's
int qsa sur sel fec" Opp side vri weak. "aa de tt int sa sur sel fec".
Sitor/A XKTO (DW)

6750.6 Unid 1941 RTTY 50/450. (CC)

6769 MFA WARSAW (SNN299) 0708 RTTY 75/400 Repeated gtc list for cq1
(Europe) distribution. 16 msgs on list. At 0838, same w/Tfc in Polish
p/l. Economic bulletin in Polish. (DW)

6771.7 Unid 0300 ARQhE3 1912 ARQ Msg "secret routine rr/" very s. then
selcals XKTQ. "Fm PLM" then selcals XKTQ. Swaps to sitor/B "XKTQ ry's
int qsa sur sel fec" Opp side vri weak. "aa de tt int sa sur sel fec".
Sitor/A XKTQ (DW)

6798 FAF ORLEANS (FDY) 0747 RTTY 50/400 Marker "test de FDY voyez le brick
fiefs ry's FDY's". 10m bit frame. (DW)

6821 'TBDJ', unid Turkish Navy station 0100 RTTY 75/850 test-slips, any
info? (LD2)

6822 UNID: 2210 ROUhFEC w/164.5/400 enc. tfc (SS)

6827 V5G: MFA BUCHAREST, ROU 2047 ROUhFEC w/164.5/400 short enc. msg. (SS)

6835 BRACKNELL MET (GFL22) 2032 RTTY 75/N/400 Met traffic. Same at 2358,
6918.5 MADRID MET (ECA7) 1710 FAX 120/576/N/800 Sea surface temp. (DW)

6933.5 Guardia Civil La Coruna ARQ. (JK)

6963 Unid VFT signal comprising 3 channels of FEC-A at 192/85, all sending
encrypted traffic. (PT)

6963.7 Unid: 0530 ARQhE 192/135 idle. (MR2) [RFLIGA, FF Cayenne on C.I. GAG
logged here before -RD]

6972 ROMPRES BUCHAREST (YOG59) 1644 RTTY 50/N/500 French press. Same at
1755 w/RY's then EE press. (DW)

6974.3 Irish Navy ARQ. (JK)

6984.1 MFA Warsaw, POL 0301 ARQhPOL 100/200 5 CRC, pol. msg. from MFA, & wx.
(ED)

6991.5 Guardia Civil, Lerida ARQ. (JK)

7321.5 FAF ORLEANS (FDY) 1955 RTTY 50/N/400 10 bit frame. RY's & brick test.
FDYFDYFDY string. (DW)

7382.7 SPANISH EMB ? 0755 ARQ Selcals QEMP. This believed secal for MFA
Madrid. (DW)

7383 POL EMB COPENHAGEN 0932 ARQhPOL 100/250 4CRC. Betas then ":wyslij:
kopenhaga" twice. Offair. (DW)

7407 FDY: Orleans, F 1145 RTTY 75/825 w/RY's & "Le Brick". (PT)

7423 ROMPRES BUCHAREST (YOG59) 1644 RTTY 50/N/500 French press. Same at
1755 w/RY's then EE press. (DW)

7508 ZRO2 Pretoria Meteo 1655 FAX 120/576 map. (PC)

7512 ZRO2 Pretoria Meteo 1635 RTTY 75/425 synoptic info. (PC)

7521 FDY: Orleans, F 1145 RTTY 75/825 w/RY's & "Le Brick". (PT)

7524 COTONOU AIR (TYE) 2318 ARQ-342 96/400 4CRC. 2 chan. Betas/rq's. At
2022 w/Chan A: Cct [UNA]. Air tcf to Niamey Air. ChanB: Met tcf &
channel ck "CH de TYE". (DW)

7535 Darwin Meteor 2130 FAX (MR2) w/thanks to Day Watson for indicating
freq. This was my first fax reception from down under. (MR2) AXI33
Darwin Meteor 1532 FAX 120/576 map. (PC)

7581.5 NKW: USNy Diego Garcia 2115 FAX 120/576 700 hpa 24h fcst, xmr
running 15 ppm too slow (KB)

7581.7 USN DIEGO GARCIA (NKW) 2010 FAX 120/576/N/800 Charts of Indian Ocean.
Station listed as 7582. (DW)

7582 NKW USN Diego Garcia 1506 FAX 120/576 map. (PC)

7586 FF DZAOUTI [RFVITT] 1949 ARQ-E 96/400 4CRC. Betas. (DW)

7598 USAF Roosevelt Rd., PTR 0750 FAX 120/576 at1 surface analysis 00z,
m moderate distortion, //7398 (same quality), //4855 (poor) (KB)

7606.7 FF PARIS [RFFA] 2323 ARQ-E 192/400 8CRC. FF press (sports) to
military establishments. Cct [LFA] to Dakar [RFTJ]. Offline
encrypted tcf. Repeat of press from Marine Sirpa Paris. (DW)

Unid FF 0240 ARQ-E 192/357 msgs addressed to rftjc/rfflva/rfffr/
rfhcc/rfhbwc/rfflo/rffnn/rffkvge/rffjgt, some re satellite system,
then controle devoie msgss. (MR2) [RFFA, Mod PARIS logged here in 192
baud, C.I. LFA -RD] Unid: 1442 ARQ-E 100b idling. RFFA, Mindefense,
Paris, F, listed w this freq./mode, but sig. seemed too strong to be
from Paris at this time of day in the U.S. (RM) [we also have had
logs of RFHI NOueme on C.I. HIJ here in 100 baud -RD]

7614 Unid RFFHCAwTARQ ARQ-E 192/305 w/00 RFFHCAwT, DE SE E E E E E E E E AR,
NNNN, I think RFFH CARQ is Ajaccio but who the transmitting station is I don't know. (PT) [RFFH, Marseille to Ajaccio (EHR) logged here before -RD]

7634 MFA PARIS [RFGW] ? 1610 FEC-A 192/400 Offline encrypted tfc. Poor signal. (DW)

7646 HAMBURG MET (DDH7) 0850 RTTY 50/400 Wx in German. (DW)

7658 TANJUG BELGRADE (YZI223) 2004 RTTY 50/400 EE press. 90hz high then idle. Same at 2257 w/50/500 Press in English. (DW)

7664 FDY: o'releans, F 1146 RTTY 75/825 w/RY's & "Le Brick". (PT)

7670 MOSCOW MET (RCC76) 1120 FAX 90/576/800 Noisy chart //13470. Same at 1536 (carrier) on otherwise weak signal. (DW)

7678.5 Unid 0148 FEC 109/300 confirmed baud-rate, 5lg's , NNN at end. (ED)

7685 MOSCOW MET (RBV75) 0845 RTTY 50/1000 Met traffic. (DW)

7750 MOSCOW MET (RAW78) 1013 FAX 90/576/800 Small charlets. (DW)

7761.9 ARKHANGELSK MET (RGH77) 1055 FAX 60/576/800 Transmitter fast. Chart w/no detail. Also at 0753, 1058. (DW)

7770 RN GIBRALTAR (GYU) 1110 VFT// 8 channel interleaved VFT on USB. (DW)

7784 Unid 2125 RTTY 75/850 USAF Air Weather Svc meteo. (CC) USAF AWS UNID.

7786.7 Unid 1721 ARQ 100/170 Arabic. (CC)
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8383  SYWT: Stella Solaris 0043 ARQ two msgs in Greek. (AB2) SYX: 2156 ARQ M/T ProsperVenture L. w/discharge report. (RB) SYOC M/V ANGELIC SPIRIT 0235 ARQ WKG SVS W/T LX. LOGIN: 16701 SYOC. (WT)

8383.5  SVCD: 0125 ARQ M/V Angelic Grace w/tlx to report at anchor. (RB) ELGH2: MV Dole California 2324 ARQ w/AMVER MSG login: 24741 ELGH. (WT)

8384  SNCC: Arma Krajowa 2243 ARQ msg ck. (AB2) KLEZ: 0431 ARQ SS Overseas Arctic (tanker) w/AMVER/FR, login 11088 KLEZ. (RB) SYOF3 MSC Document 0427 ARQ w/fax, login: 42181 SYOF3.

8384.5  ENNZ: General Merkvladze 0027 ARQ tfc for Batumi. (AB2) C4DU: 0351 ARQ Grigoroussa w/TLX to Thenamaris Athens, login 29395 C4DU. (WT)

8385  VSBZ5: Chevron Edinburgh 0022 ARQ msg ck. 9HKG4: Mekhanik Khelhuvskiy 1536 ARQ seq tlxs for Singapore, selcall 10720. EX-UWLC? ENWU: Roman Karmen 1545 ARQ msg ck. (AB2) KAAZ: 1050 ARQ M/T Overseas Vivian, U.S. flagged products tanker, w/discharge report for Port of Tampa. (RB)

8387  DUCT: Eurasian Charm 0048 ARQ w/tlx via KPH. 4956N 16837W in hvy seas. login: 76768 DUCT. ELEV8: Lircay 0142 ARQ w/BXK login: 24887 ELEV. C6IE6: MV California Star 2353 ARQ w/tlx, login: 61784 CSTR. 1712 ARQ M/V Front Climber w/tlx tfc. (RB) LAII2: M/V Swan Stream 0740 ARQ w/ports Tg’s, login: 29395 LAII2. (WT)

8387.5  SQGN: Budowlany 0006 ARQ msg for Szczecin. (AB2) GBKU: 0336 ARQ Maersk Ruler w/tlx tfc. (RB)

8388  PHIU: Schoener 0040 ARQ AMVER msg, selcall 81758. WTDO: NOAA Oregon II 1525 ARQ Christmas tlx. (AB2)

8389  NNUD USNS Silas Bent 0120 ARQ w/OPSUM INMARSAT still out. login: 11385 NNUD. (WT)

8389.5  3EZX8: Amazonia 1532 ARQ tlx re vsl supplies. (AB2) WBX: Lawrence H Gianella 0245 ARQ w/arr rpt, Pearl Harbor. missed login. SCEG: M/T Flamenco 1741 ARQ w/tlx, login: 26880 FLAME. LAII2: M/V DXY ADRIATIC 0109 ARQ w/TLX ETA PANAMA CANAL. LOGIN: 26895 LAII2. (WT)

8390  3FUM4: Johnny C. 2335 ARQ tlx to owners re financial matters. (AB2) N/A: Falstaff J. Duczynski 0027 ARQ w/tlx to: A.A.L. London, 2048N 16008W. login: 36872 SNZU. ELEV8 Lircay 1802 ARQ w/tlx, monthly diesel eng rpt. login: 24887 ELEV. C6JF2 MV California Star 2353 ARQ w/tlx, login: 61784 CSTR. 7JXV BP Azuchi Maru 0127 ARQ w/TLX in SS? BOAB: M/V Tai He 1930 ARQ w/tlx, login: 19804 BOAB. (WT)

8390.5  PPWF: 0421 ARQ M/N Nacional Rio w/tlx re ETA to sailing for Mariel via WLO, login 41942 3EBNS. (RB)

8391  TCKV: 0632 ARQ M/V 30 Augustos w/SS tlx tfc. (RB)

8391.5  N/A: 0122 RTTY ML Kuivastu in 50/170 tfc to Tallinn Radio, Estonia (TLM/EML), c/s is unk for this vsl. UIWF: 0251 ARQ TKH Pervomaysk w/crew Tg’s after sending selcall KYVX (UAT, Moscow Rd). (RB)


8392.5  UNNX: GornohAltajsk 0017 ARQ crew TG’s, vsl "Povonets" type cargo
ship built in early 60's. (AB2) UHBO: 0201 ARQ TK Novoklav-4, 15,090 DWT Russian Ammonia tanker, w/NVRTLG+ crew TG's. ENUO: 0409 ARQ TK
Marshal Grechko w/tlx for posn 4242N/05116W, also wx report. UNNH: 0537 ARQ TK Bikhin w/DISP-1 report to Novorossysk Radio. UUOA: 1947 ARQ TK
Akademik Verestchagin, w/admin msgs to Novorossysk Rdo. UVLO: 2158 ARQ TK Marshal Zhukov w/admin tlx from master, KM Yakovlev. ENUK: 2359 ARQ TKH Akademik Sechenov bulk oil/ore carrier w/admin tlxs to Novoship. (RB)

8393 BPLL: Fu Zhou 1514 ARQ tfc via XSG. (AB2) ENYP: 0700 RTTY RTMKS Kapitan Butrimov in 50/170 crew TG's to Kerch Radio. BOAC: 1644 ARQ M/V Pu He w/kg XSQ w/QRU for tfc. (RB) BOAB TAI HE 1819 ARQ W/TLX, 4443N 12447W ETA SEATTLE. (WT)

8393.5 ELNJ4: 0402 ARQ TK Izmaylova w/NVRTLG+ tfc to Novorossysk Radio, is exhULQZ. USNM: 2218 RTTY RTMA Pyatigorsk in 50/170 crew TG's. (RB) 3FVY3 MSC Dominique 0055 ARQ w/kg WLO. Miami to New Orleans. login: 42181 3FVY3. (WT)

8394 UREJ: 2320 RTTY TKH Kapitan Vasily Kulikno, in 50/170 RYRY/DE to UIG, & into crew TG's. (RB) 3FVB4 M/V Frio Adriatic 0100 ARQ w/tlx to: Shipyard, Kommuoar. login: 29541 FADRA. (WT)

8396 EOPA: 0153 RTTY TR Lazurnyy Bereg in 50/170 RYRY/DE to UIG, & into admin msgs to fleet RTF (KLD/RTF), Reftransflot Kaliningrd (reefer fleet). LYFZ: 1555 RTTY STKS Vydunas in 50/170 admin tfc to Klaipeda Radio re crew pay list. LYFR: 2320 RTTY BMRT Sverdlovsk in 50/170 RYRY/DE to UIG, & into crew TG's to same. UIIC: 2339 RTTY TR Bereg Mechty in 50/170 RYRY/DE, & into crew TG's, this a 13051 DWT factory reefer trawler. UFBH: 2342 RTTY Bereg Nadevdy in 50/170 RYRY/DE to UIG, & w/admin TG's from master. UFGP: 2358 RTTY STR 0206, STR Sinop? in 50/170 RYRY/DE to UIG, & w/crew TG's. (RB)

8397 UNSW: 2320 ARQ TKH Kapitan Bukmakin w/msg ck, login 66191 UNSW. (RB) 3FKW4: 0021 RTTY TR Ref Vega in 100/170 RYRY, then to 50 baud for
crew TG's. LYDN: 2310 RTTY BMRT Dem'yan Ryabuko in 50/170 crew TG tfc, ex-Daynava? UNGK: 2218 RTTY BMRT Sverdlovsk in 50/170 RYRY/DE to UIG, & into crew TG's to same. UIIC: 2339 RTTY TR Bereg Mechkty in 50/170 RYRY/DE, & into crew TG's, this a 13051 DWT factory reefer trawler. UFBE: 2342 RTTY Bereg Nadevdy in 50/170 RYRY/DE to UIG, & w/admin TG's from master. UESL: 2358 RTTY STR 0206, STR Sinop? in 50/170 RYRY/DE to UIG, & w/crew TG's. (RB)

8398 UULU: 0635 ARQ TKH Pavlin Vinogradov w/tlx tfc to Arkhangelsk. selcall 54628. UBFX: 0659 ARQ TKH Inzhener Plavinskiy w/tlx tfc to same from master, KM Kuraev, selcall 54631. UNFZ: 0721 ARQ TKH Mekhanik Makarin w/11061 type report, login 54720 UNFZ. UJDR: 0745 ARQ TKH Mikhail Cheremnykh w/tlx for ETA Dublin, login 66032 UJDR. UNGP: 0805 ARQ TKH Vlas Nichkov w/DISP-1 report to UIG. UOKS: 0830 ARQ TKH Pioneer Litvy w/DISP-2 report after sending selcall KKYF (Arkhangelsk Rdo), login 66037 USRS. (RB)

8398.5 N/A: 2103 ARQ Continental Beta w/tlx to LSC Dry Cargo, Riga, login 29619 BETA. LYFZ: 2306 RTTY Druskininkai in 50/170 RYRY/DE to LYL, & into crew TG's/admin tfc, prefix is unknown. UQV: 2316 RTTY STR 8290 in 50/170 RYRY/DE to UIG, app w/this c/s, & into crew TG's to same using hull/# ID STR 8290. 3FXX4: 2335 RTTY TR Ref Star in 50/170 RYRY/DE to UIG, & w/crew TG's to same. (RB)

8399 ESJS: 0431 RTTY RTMA Tavrida in 50/170 crew TG's to Sevastopol rdo. N/A: 2304 FEC M/V Breman w/ID, then broadcast of Rostok GG nx. (RB)

8399.5 UKOS: 0001 RTTY NIS Akademik Sergey Vavilov, Russian research vsl, in 50/170 crew TG's to K-grad. UKAK: 2314 RTTY RMRT Fortuna in 50/170 RYRY/DE to UIG, K-grad rdo, & into admin TG's from master, KM Fedotmiya. UYTB: 2242 RTTY Kapitan Bogomolov in 50/170 crew TG's using hull/# ID MA-1831 (MRM/KRH). UIAA: 2339 RTTY TSM Obdorsk in 50/170 RYRY/DE to UIG, & w/crew TG's to same. (RB)

8401 UONC: 2054 RTTY TR Omega in 50/170 crew TG's to Sevastopol Rdo. (RB) 3EUT9: 0020 ARQ TR Kil'dinskiy Proliv in 50/170 crew TG's, is ex-UWQS. UYTB: 2057 RTTY RTMKS Rybak-1 in 50/170 crew TG's to UIG. YLGB: 2103 RTTY TR Doles Sala in 50/170 RYRY/DE to UIG, & admin msgs from master, KM Chistyakov. UOQZ: 2121 RTTY BMRT Akvamarin 50/170, factory fishing trawler w/Atlantic wx report to Kaliningrad Radio
from master, KMD Chrenko. UCVK: 2137 RTTY BMRT Jakob Hurt in 50/170 crew TG's using hull#/ID BMRT 605. 

8401.8 ELQZ6: 0133 RTTY TR Frost 2 in 50/170 RYRY/DE to UIW, & into admin msgs. (RB)

8402 P3FZ6: 2312 RTTY TR Motovskiy Zaliv in 50/170 crew TG's, ex-UGTM. (RB)

8402.5 ELQZ7: 0125 RTTY TR Frost 3 in 50/170 RYRY/DE to UIW, & into admin msg of long list of supplies needed from Chief Engineer. UTGN: 2002 RTTY TR Bukhta Uliss (VLD/VTP) in 50/170 crew TG's to Vladivostok Rdo. UDUR: 2108 RTTY RTMKS Admiral Starkov in 50/170 RYRY/DE to UIW, then w/2 admin msgs using ID of hull#/ID MA-1612. (RB)

8403 UACU: 0027 RTTY TKH Varnemunde in 50/170 RYRY/DE to UKB or RKB(?), & into crew TG's. (RB)

8403.5 UUZB: 2054 RTTY TKH Vostoch in 50/170 RYRY/DE to URL, & into crew TG's to same, no info on this vsl. ENV1: 2245 RTTY TKH Kapitan Soroka in 50/170 crew TG's to Odessa (ODS/UMF). (RB)

8404.5 SQPO: 1614 ARQ M/S Ignacy Dzszynski Polish bulk carrier w/PP opr chat, QTH Canada. V7AQ2: 1955 ARQ M/S Malbork II wkg Szczecin Rdo, POL w/QSL of msgs, this is the Ex-SQ3V. UUB: 2049 RTTY RTKTS Marshal Sudet in 50/170 crew TG's to Sevastopol Radio. UVEK: 2114 RTTY RTMS Stratosfera in 50/170 RYRY/DE to URL, Sevastopol Radio, & into crew TG's, app is chg from UEIU (Russian to Ukraine c/s). SQNV: 2157 ARQ M/V Lublin II w/PP tlx, login 43103 SQNV. SNGC: 2311 ARQ M/V Armia Krajowa w/tlx tlx. (RB)

8405 UXQW: 2059 RTTY THR Poroletiev in 50/170 crew TG's to Mariopol Radio, admin msg from master, KM Ustimenko. (RB)

8405.5 UNN1: 2128 RTTY RTMS Chernyshyev in 50/170 crew TG's. ESQO: 2202 RTTY M/V shopper Khabaturya, BLASCO general cargo vsl, in 50/170 RR crew TG's to Odessa (ODS/UMF). UCCS: 2204 RTTY RTMS Eysk in 50/170 crew TG's to Novorossiysk, off w/DE UCCS, no prior record of this vsl. UBBH: 2214 RTTY BATM Galaktion Tabidze in 50/170 RYRY/DE to UGW, into Novorossiysk Radio. UUYU: 2341 RTTY TKH Georgiy Chicherin in 50/170 admin msgs from master, KM Rogachev. (RB)

8406.5 LYM: 2150 RTTY BATM Zaostrov'v in 50/170 RYRY/DE to UIW, & w/admin tcf to same. (RB)

8406.5 GONL4: 0150 RTTY TR Frio Sevastopogis in 50/170 RYRY/DE to URL, & into crew TG's, is Ex-3EUP9 apparently. UQTD: 0305 RTTY BKRAT Mataliya Kovova in 50/170 admin msgs to Sevastopol Radio. PPZI: 0712 RTTY TKH Chelekenskiy in 50/170 EE TG to DanSupp Copenhagen, for ETA. UAOU: 2242 RTTY NIS Akademik Sergey Vavilov, Russian research vessel, in 50/170 RYRY/DE to UIW, into DISP-1 reports from master, KM Kalanikov, all w/tlx & ExhTel'Shay?, note this is a chg from c/s UKOS. LYEV: 2302 RTTY RTMKS Koralas in 50/170 RYRY/DE to LYL, & into crew TG's, ex-Tel'Shay? (RB) UUMI RTSA SAPUN GORA 0515 RTTY 170 RYRY/DE to tlg. (WT)

8407 UCBZ: 2019 RTTY BMRT Atoll in 50/170 "405 RPT" to Novorossiysk Radio from ships master, KM Udiferov. (RB)

8411 UGAA: 2349 RTTY Uniq SAh0597 in 50/170 RYRY/DE to UAT, Moscow Radio & into admin tcf to same w/home port shown as Kholmsk (HLM/MRH) using only the hull#/ID SA-0597. (RB)

8411.5 UKWZ: 0156 RTTY TR Kapitan Lazarev in 50/170 crew TG's. (RB)

8412 UZLZJ: 0138 RTTY TKH Novopolotsk in 50/170 RYRY/DE to UGC, & into admin tcf to St Petersburg Radio from KM Mozhavev. P3UG3: 0439 RTTY TR Klayedkeshi Bereg in 50/170 crew TG ftc to Klaidpeider Radio, is ex-LYAR now flagged-out, new call used after name in each tlx. (RB)

8412.5 USDB: 0335 RTTY BMRT 10 Pyatletsk in 50/170 RYRY/DE to URL & w/admin tcf/crew TG's (SVS/MRH). (RB)

8413 UPAR: 0058 ARQ TKH Akademik Shukov w/crew TG's to St Petersburg Radio. YLAZ: 1631 ARQ TKH Fedor Bredikhins w/admin tcf from master, KM Uchakov. UWWC: 2140 ARQ TKH Novgorudok w/login for msgs to St Petersburg R, login 55461 UWWC. ULE: 2145 ARQ TKH Kolomna w/crew TG's to St Petersburg R. (RB)

8414 UHBT: 2230 RTTY TKH Kooperatsiya in 50/170 RYRY/DE to UFL, Vladivostok Rdo, & into crew TG's. (RB)
8414.5 DUTCH CG IJMUIDEN ? 2250 GMDSS 100/170 Selcall individual. Routine 244--46500 called by 244--39200 forrt on 8294/8294. (22532z). Dutch MMSIs. (DW)

8417 PORTISHEAD RADIO (GKE4) 0931 FEC N/Atlantic weather. (DW)

8420.5 HEC: Berne, Switzerland 0430 FEC Traffic List. (AB3)

8421 LYNGBY RADIO (OXZ) 1637 FEC Danish ship press, also at 0832. (DW)

8423 ATHENS RADIO (SVT4) 2103 FEC Ship press in Greek. (DW)

8431 KEJ, Hoolehua, Hi, US 1025 FEC short sport nx items, sked. (EW)

8432.5 PENNSUCO RADIO (WOM) 2046 FEC End of wx forecast. (DW)

8433 MOBILE RADIO (WLO) 2016 CW/SITOR Marker "WLO" and tuning bursts. (DW)

8435 TORS COVE RADIO (VCT) 2042 CW/SITOR Marker "VCT" & 8 tuning bursts. (DW)

8435.5 OOSTENDE RADIO (OST40) 2044 CW/SITOR Marker "OST" & tuning bursts. (DW)

8436 UNID. 0640 GMDSS 100/170 Coast DSC freq. 3 packets (? noise bursts). "Format Specifier: Error: No valid calling mode". (DW)

8453 HWN: Paris, F 0430 RTTY 75/850 French Navy. (AB3)

8478 FUF 0732 RTTY 75/850 Test tape Fort De France Naval (EC1)

8478.5 FUF Fort de France Martinique 1833 RTTY 100/850. (CC) FUF: 2225 RTTY 75/847 de FUF test tape ry's: sg's & #'s. (MR2)

8503.9 US & NEW YORK (NGM) 2100 FEC 120/576/N/800 Very weak outlines through noise. Florida? Gulf & SW N Atlantic? (DW)

8510 ATHENS RADIO (SVJ4) 0858 FEC 120/576/N/800 Hvy qrm. 100hz high. (DW)

8534 MOBILE RADIO (WLO) 0920 FEC American related shipping and MEBA (Union) news. Lygnby tfc list.Start of WLO telex info. 0935z chops svc re discont FAX. Solar Indices. Tropical wx fcst h TS TANYA 625miles SE Bermuda. (DW)

8536 6WW: Dakar, Senegal 0430 RTTY 75/850 French Navy. (AB3)

8556 GOETEBORG RADIO (SAB44) 1703 FEC Swedish ship press. (DW)

8625 FUM: 1930 RTTY 75/850 Test tape Papeete Naval, Tahiti Naval. (EC1)

8650 SZCZECIN RADIO (SPB43) 2211 CW/SITOR Marker "SPB" ARQ but s/n ratio too low to sync on tfc. (DW)

8672.8 RN PITREAVIE (MTO) 2236 RTTY 75/N/850 CARB. With ID MTO. (DW)

8853.8 HGX: MFA BUDAPEST 0945 ARTIAC 125b encrypted 5LG's. (EW)

8876 Unid: North Korean diplomatic station 1800 RTTY 50/1000 w/traffic in Korean, frequent mention of Pyong Yang. (PS)

9046 Unid 1600 ARQ-E3 100b prob moi paris. (JK)

9046.2 Unid 0653 PACKET 200/20 Info on african air traffic(?) (ED)

9057 MFA BELGRADE [DFZG] 1430 RTTY 75/R/400 Startup. Online encryption after xxyxyxyxy string. (DW)

9079.7 FF DJIBOUTI [RFQP] 0604 ARQhE3 100/400 8CRC. Betas. (DW)

9109.9 USC BOSTON (NMF) 2015 FAX 120/576/N/800 24hr sfc forecast. New NMF frequency. (DW)

9113.5 Zaire National Bank 1330 ARQ. (JK)

9114.5 MTI BUDAPEST (HGG31) 1000 RTTY 50/400 Ry's and "RTT transmission for Europe and N Africa on 9.114 kcs"and English press. (DW)

9114.5 Irish Navy ARQ. (JK)

9118.6 ALGERIAN EMB TRIPOLI ? 1403 COQ-8 26.7/E/- 9118,656. On line encrypted tfc. 9118,632. Starts up trf wc"alg de trp" then online encryption of a few letters then no output on screen. (DW)

9135 RAF AKROTIRI (MKD) 1538 USB DCN 8 channel vft on USB. 6 of 8 channels idle. 2 missing. (DW)

9137.9 USN KIEFLAVIK (NRK) 1540 FAX 120/576/800 en d of fax schedule. This freq not mentioned in freq list for Cutler & Iceland (Kieflavik) at end of sked, old Kieflavik 9318 not hrd. This freq not in phase w/8079.9/10864.9. Opr pb1m? (DW)

9153 MFA WARSAW (SN2299) 0704 RTTY 75/250 Diplo broadcast w/Polish press. At 0709, w/diplo broadcast to embassies. (DW)

9154 D4B: Sal Cape Verde 1920 RTTY 50/850 AFTN traffic to Santa Maria. (AB3) SAL AIR (D4B) 0805 RTTY 50/800 Marker "de D4B D4B D4B" & ry's. 50hz low. (DW)

9179 LYNGBY RADIO (OXZ) 2103 FEC Danish ship press. Also at 0832. (EW)

9192 MFA BERN (HBB20/5) 1211 ARQ End of qso. Signs off w/ID HBB20/5. (DW)

9265 UNID. 0739 PICCO-VFT Two channel piccolo vft on USB. (DW)

9265.5 UNID. 0741 PICC- 9265.510. Idle channel. (DW) Unid 0305 PICCOLO MK-6 Idle, FDM with 3 traffic channel, one order line. (ED)

9265.9 UNID. 0740 PICC- 9265.910. 6 tone piccolo, on line encrypted. (DW)

9266 MFA BRATISLAVA 1010 RTTY 100/400 Diplo press summary in Slovak (?).
At 1000 w/Start up ry's and "cq de OMZ66" followed by diplo news summary. (DW) MFA BRATISLAVA, SVK 0954 RTTY w/100/400 msgs & nx (SS) 
9278 MFA PRAGUE 0810 RTTY 100/400 Diplo press summary in Czech p/l. At 0800 w/RYS & "cq de OLZ88" start-up sequence followed by diplo press summary. (DW) 
9285 Unid 1315 ARQ. (JK) 
9317.9 USN KEFLAVIK (NRK) 1320 FAX 120/576/N/800 Chart of N Atlantic. Surface pressure forecast. (Dw)
9319 UNID 2321 ARQ 72/400 4CRC. Betas. 80hz low? (Dw) 
9331.7 Egyptian Embassy 0224 ARQ Arabic, probably Cairo, Egypt. emb. (ED) Unid: Egyptian Emb 2255 ARQ w/msgs in AA. (RM) 
9340 TASHKENT MET (RBX73) 0945 RTTY 50/1000 Met traffic. Station w/same freq but with 850hz shift (looks encrypted) causing qrm. (DW) 
10151.9 MFA STOCKHOLM 1429 ARQhSWED 100/400 Switching 3,9,22CHB. Tfc in Swedish p/l to Islamahbad, Riyahd, New Delhi, Peking. Tfc in offline encrypt to Peking. (which is relay to oths??) Suddenly off air before end of msg. (Dw)
grps) encrypt "end of file:dod:.odbierz: wyslij:rzym". Betas. (DW) 10415  MFA WARSAW (SNN299) 0710 RTTY 75/250 Diplo broadcast including Polish press, QTC list/tfc rpt, spacetone unstable. Tx eventually hung with single tone just off centre then shifting low. At 0711, Diplo broadcast to embassies. (DW) 10417.1 Unid 0344 ARQ-TD2 96/140 in FDM, ARQ-M2/342, idle. (ED) 10422.5 MFA VIENNA 0809 ARQ-S 96/170 CRC5. Traffic in offline encryption. (DW) 10428.3 Unid: 1971 RTTY 75/850 w/encryption. (RM) 10493  MFA BUCHAREST [V5G] 1132 FEC-ROU 164.5/400 Bimask=24. Diplo press summary in Roumanian. (DW) 10493.7 FF PORT BOUET [RFTJF] 0813 ARQhTD2 96/140 in FDM, ARQhM2/342, idle. (ED) 10536  CF HALIFAX (CFH) 1710 FAX 120/576/800 Isobaric prognosis. N. Atlantic. (DW) CFH: CF Meteo Centre, Halifax, NS, CAN 1900 120/576 w/fax wx charts. (RM) 10551  Bracknell 1519 RTTY 75b WX for LD**, LI**, and LY** stations. (RC) 10551.3 BRACKNELL MET (GFL23) 1254 RTTY 75/N/400 Met traffic. (DW) 10576.8 Unid: 1942 RTTY 75/850 w/encryption. (RM) 10583  Brotherhood Net 1526 RTTY 75b 5LG's ended at 1531 "QRU QRU SK SK". (RC) 10600  VNA: Hanoi 1245 RTTY 50/480 w/tx in FF. (PT) 10638.7 RFQP: FF, Djibouti, DJI 1903 ARQ-M2 200b w/"controle de voie" on ch A (QRG ct) & ch B (QRF ct). (RM) 10689.8 Unid 0155 ARQ Wide shift, weak, no ID. (ED) 10738.2 Unid 0029 ARQ Ecuador, Japanese embassy traffic, Ecuador to Havana. (ED) 10761  VER, CF, Ottawa, ON, w/encryption on all VFT channels through 10763.0 at 1312. Was 170/75 & was xmt to Alert, NT, CAN. (RM) 10796.3 RFLI: FF Fort de France, Mart. 1740 ARQ-E3 192/258 controle de voie. (MR2) 10830  ULV: MOSCOW METEO 0832 RTTY 50b wx. (EW) 10855  GXQ: British Army, London G 2225 VFT RTTY 1.5,50, diversity test.(EW) 10857.5 RFHWW 0929 ARQhM2 128.5/100 Papeete, Meteociv, C. I. = "IOA" & "IOC". (ED) 10865  USN CUTLER (NAM) 1705 FAX 120/576/800 Satellite pix. At 1544 w/ Transmission schedule. (DW) NAA: USN, Cutler, ME, 1850 120/576/w fax chart. (RM) 10873.8 Unid FF 1755 ARQ-E3 100/372 Reunion messages. (MR2) RFVI: FF, Le Port, REU 1805 ARQ-E3 100b relaying "de Paris...controle de voie" msg back to Paris. (RM) 10917  MFA WARSAW (SNN299) 0641 ARQ-POL 100/180 Summary of tfc - (qs1's?) of tfc from Pekin (Beijing). (DW) 10917.7 Unid FF 1830/1930 ARQ-E3 48/354 Dakar-messages re disposition of forces thru Marseille & Rochelle; controle de voie 5LG, NATO route ind & RFS of RFTJ. RFFwad & RFFbbc. RFTJ: FF Dakar 1200 ARQ-E3 48/401 controle de voie. (MR2) 10945  CFH: Canadian Forces, Halifax, CAN 1242 RTTY 75/844 w/"NAWS DE CFH". (PT) 10980  MOSCOW MET (RDG79) 1026 FAX 90/576/N/800 Small chartlets //7750. (DW) 11011  ZLO29, RNZN, Irirangi, NZL, w/encryption on all VFT channels through 11013.0, 75/170. Xmt to Vancouver, BC, CAN. (RM) 11030  MELBOURNE MET (AXM34) 0837 FAX 120/576/N/800 End of chart - area South Pacific E of Australia. (DW) 11043.7 FF DOUALA [RFTJD] 1344 ARQ-E3 192/400 8CRC. Betas. Controle de voie svc "OO RFTJ de RFTJ". Cct [JOJ]to Dakar. (DW) 11046.9 MFA STOCKHOLM ? 1425 ARQ-SWED 100/400 Weak/fading. Tfc in Swedish p/l or betas. 22CHB. (DW) 11085  RFGW: MFA PARIS, F 1142 FEC-100 192b idle. (EW) 11106  Unid 1200 ASCII various speeds, mainly 110 & 150b, also at 75 and 300 occasionally; was setting up a link with another station, changed frequency three times, first to 13363 KHz, then to 14417 KHz, before he ended up at 15763 KHz. When he was setting things up he used 110 baud and every letter came out 3 times (e.g. 000KKK). He would then send lists of numbers at 150 baud, but these only came out once. DOR, Sofia? (PT) 11106.3 Unid 0155 ARQ-TD2 128.5/100 Idle. (ED) 11110.5 RFLI: FF FORT DE FRANCE, MRT 2355 ARQ-E3 w/192/425 C de V (C/I BFL)
RFHWWO 0304 ARQ-M2 128.5/100 Papeete Meteociv Papeete, Ch B C.I. = "IOA", Meteo, Press. (ED)

11131.9 PWN: BN, Natal, B 2149 RTTY 75/850 w/"preferencial" tfc in PP to JN. (RM) PWF3: Unlisted Brazilian Naval station, Brazil 2312 RTTY 75/852 clg PWQZ. (PS) [Natal Naval, B, PWQZ is unid naval vsl -RD]

11173.5 MFA PARIS [RFGW] 1338 FEC-A 192/400 Tfc in offline encryption. (DW)

11200 Unid Turkish sta: 1230 ARQ w/tfc in Turkish. (PT)

11327.5 MFA OSLO, NOR 1210 CCIR 476 TWINPLEX 100b encrypted. (EW)

11417.1 RFFTA, `RFFP' MOD Paris, F 1159 ARQ M2 200/340 relaying 5LG's to to `RFFVAY' Sarajevo. Circuit [FDXA] //11520 Mhz. (PS)

11450 MOSCOW MET (RDD77) 0839 RTTY 50/1000 Met traffic. (DW)

11453 ROMET (IMB3) 1648 RTTY 50/850 Met traffic. 10 bit frame. (DW)

11467 MFA WARSAW (SNN299) 0714 RTTY 75/N/250 Diplo broadcast to embassies. (DW) SNN299: Warsaw, POL 0700 RTTY 75/170 w/diplo tfc for Africa, in Polish. (RH)

11468 Unid: 230/50.8 encryption, at 1321. (RM)

11471 MFA WARSAW (SNN299) 0724 ARQhPOL 100/250 4CRC. Traffic in Polish & offline encryption (Fig groups) to Trypoliss (Tripoli) until ".end of file". Receipt svc for traffic from Tripoli for 4 msgs. (DW)

11492 Unid 1248 81 81 RUS, encrypted. (EW)

11538.2 Unid: 2235 ARQhE 96b German diplo idling. (RM)

11622 USAF AWS ROOSEVELT ROADS 1727 FAX 120/576/800 N Hemispheric chart. (DW) [NRR is a U.S. Navy xmitter sending USAF/KAWN charts.]

11638 DDK8: Hamburg Germany 0852 RTTY 50/400 Meteo GG. (AB3) HAMBURG MET (DDK8) 0857 RTTY 50/400 Wx, corrupted. Same at 1249. (DW)

11659 Remington Numbers 1528t AM (EE/5F/w) //13687.5, "Count 208", Rpt @ 1529. (MF)

11680 XINHUA BEIJING (BZP51) 1433 RTTY 75/400 EE press. (DW)

12110 ROMPRESS BUCHAREST (YOM21) 1110 RTTY 50/500 EE press. (DW)

12114 MFA SOFIA 0943 RTTY 75/500 Tfc to various embassies in Bulgarian p/l. (DW)

12123.9 NORWEGIAN EMB KIEV 0800 TWINPLEX 100/E/-400/-200/200/400. F7b-1. Tfc in Norwegian p/l and not encrypted. (DW)

12165 MOSCOW MET (RKB78) 1029 FAX 90/576/800 Chart w/plotted observations. (DW)

12181 MFA MOSCOW, RUS 1035 PICOLLO 33 TONES encrypted. (EW)

12190.3 MFA SOFIA ? 0903 RTTY 75/500 Opr echanges. "zar600" "zok" "zar300" then change into unid mode? PSK? (DW)

12208 MFA BRATISLAVA 1008 RTTY 100/400 Diplo press summary in Slovak (?). (DW)

12210 MFA PRAGUE 0815 RTTY 100/400 Diplo press summary in Czech p/l. (DW)

12212.5 TANJUG BELGRADE (YZI234) 1719 RTTY 50/400 FF press. At 1032, EE press, 100hz high. (AB3) MFA MOSCOW 0814 RTTY 100/400 Diplo press summary in Czech p/l. (DW)

12222 UNID: 1347 ARQ-E w/288/170 idle (SS)

12228 MFA WARSAW (SNN299) 0717 RTTY 75/250 Diplo broadcast to embassies. (DW) MFA MOSCOW, RUS 1033 PICOLLO 33 TONES encrypted. (EW)

12228.4 XINHUA BEIJING (BZR62) 1437 RTTY 75/400 EE press. (DW)

12229 UNID: 1800 81h81 81/170 alternating mark/space tones into enc. (SS)

12267.5 Saudi border guards 0830 FEC 125. (JK)

12478 TCGG: 1647 ARQ M/V Gunay A. w/req for QSL of SVC+ tfc sent. (RB)

12479 TPVL2: Pontoporos 1645 ARQ tlx for Ocean Freighters, Piraeus, vsl selcall 56329. SQGI: Tadeusz Ociowszynski 1654 ARQ AMVER/PR, selcall
43053. TEMPS: Teose 1846 ARQ AMVER msg. (AB2) G6KV3: 2130 ARQ
Canterbury Star w/noon posn report tlx. (RB) ELFR2 M/T Sentinel 2119
ARQ AMVER/PR, 1830N 07449W missed login. (WT)

12480   UBVS: Komsomolets Ussuriyiska 0029 ARQ crew TG's, selcall 55630. (AB2)
12480.5 P3HS2: Global Dream 1712 ARQ payroll tlx. (AB2) U1CM: 1713 ARQ TK
Ulyanovsk w/crew TG's login 23191 ULYA. LAIJJ2: 1724 ARQ M/V Dvivy
Baltic w/arrival report tlx, login 26900 LAIJJ2. 9HLT4: 1810 ARQ TK
Nodar Dumadze w/crew TG's app is EX-UURK. (RB) D5GV ?? MV Atlantic
Pride 2357 ARQ w/tlx, eta Hachinohe JA. login: 26455 APRIDE. unid M/V
KAVO MALEAS 2258 ARQ w/tlx, selcall 63339. (WT)

12481   C6ML4: 1815 ARQ TH Kapitan A Dotsenko w/tlx. (RB)
12482   ELIR2: Gulf of Pirian 1755 ARQ AMVER/PR 40.2N/73.51W. (AB2) C6KY5 M/T Sentinel 2119
ARQ AMVER/PR, LOGIN: 61399 KLAD. (WT)
12482.5 TCMG: MV Pinar Kaptanoglu 2331 ARQ w/tlx, login: 65794 TCNMY. (WT)
12483   9MYK: MV Bunga Kantan 1815 ARQ msg to harbor pilot re 1 day notice;
etta Columbia river; via/SF Radio. (MR2) P3SD2 Diomedes 1943 ARQ
chkin, QRU, login: 00575 P3SD2. 3FTQ4 MIN NOBLE 2215 ARQ AMVER/PR,
4924N 13956W, ETA Vancouver. Login: 42034 MINN. UTIZ M/V NOVGOROD
2214 ARQ W/SVC, LOGIN: 55228 UTIZ. (WT)
12484   OYID2: Malene 1637 ARQ posn rpt, 19.56N/131.52W, ETA Honolulu. (AB2)
12485.5 P3NO4: MSC Jade 1729 ARQ msgs. (MR2) 3FLH: 2254 ARQ M/V Sirocco
salvage tug w/SVC tfc. (RB) unid 1824 ARQ login: 61384 CTBS, can't ID
this one. (WT)

12487.5 C6Gf2 MV California Star 1827 ARQ w/tlx, login: 61784 CSTRI. SVEJ M/V
Sea Trident 0102 ARQ w/tlx via KPH. login: 16985 SVEJ. (WT)
12489   UADK: Grupor 0049 ARQ msg for Petropavlovsk. (AB2)
12490.5 ELK54 M/V Front Breaker 1930 ARQ w/tlx, anchored Corpus Christi. (WT)
12493.5 P3VS2: 1715 ARQ M/V Homer w/tlx to Zimbulk Haifa for posn, login
27529 HOMER. (RB)
12495   UNID 1920 ARQ vsl sending KYXX-idle, this is a ship sending a
selcall. KYXX is the selcall for Novorossiysk Radio, RUS. (MR2)
12495.5 D5Di: 2010 ARQ M/V Acadia Forest, dry goods cargo ship w/tlx to
Centraship Nola, login 24846 D5Di. (RB)
12496   UOEC: Kovrov 1909 ARQ tfc for Limassol Inc fm vsls Ch. Engineer.
(AB2) OWGU2: M/V Charlotte SF 1925 ARQ rlx re tickets then parts
info. Msgs in EE & Danish. (MR2) 3DFP PDT. FREI 0058 ARQ w/tlx, eta
Cristobal. login: 42972 3DFP. (WT) [M/N Presidente Frei abbreviated -RD]
12497   UKVY: 1748 ARQ TK Boris Livarnov w/MSKTLG crew TG tfc to Moscow Rdo.

12497.5 WEYH SS Overseas Alaska 2022 ARQ rx only, login: 11084 WEYH. (WT)
12499   OULQ2: 1512 ARQ M/V Christina C. w/tlx for ETA Halifax, login 03988
OULQ. (RB)
12502   3EAW7 M/V PACIFIC RIDER 2024 ARQ W/TLX, LOGIN: 42593 3EAW7. (WT)
12503.5 P3HR2: Belgrano 1929 ARQ OBS msg. (AB2)
12509   C6AF3: Kenneth T. Derr 0017 ARQ test msg via "Honolulu Radio". (AB2)
12510   UNID 1925 VOR, logins: 26617 FRINES. caught this login several
times, unable to ID. (WT) [probably 3FJH3 -RD]
12537.5 P3Bk2 Beaulieu 2300 ARQ w/tlx. (WT)
12547.5 BPDM: unid 1917 ARQ wkg XSP in OPR mode, XRQ 2230. login: 20235 BPDM.
(WT)
12549   OULQ2: 1712 CW Ellispontos vkg unid coastal sta w/1 tlx. (RB)
12561   UGNX: 2041 RTTY TKH Komsomolets Ltivy in 50/170 EE tlx to Victory
Shipping to confirm point of entry to Amazon River, vsl uses abbrev.
KSM for Komsomolets. UIIE: 2051 RTTY TKH Vil'yan Foster in 50/170
crew TG's to St Petersburg Radio. (RB)
12562   EWAK: 1431 RTTY TR Polyarnyy Krug in 50/170 RYRY/DE to UIW, into
admin msgs (MRM/MRH) from master, KMD Markov. U1ZZ: 1438 RTTY PB
Polyarnaya Zvezda in 50/170 RYRY/DE to UIW, no joy. ENZZ: 1446 ARQ TK
General Merkzhiladze, w/admin tfc from master, KM Labadze. EWML: 1914
RTTY BMRT Aleksander Bogolyubov, in 50/170 crew TG's to K-Grad. UFZE:
1935 RTTY BMRT Ivan Dvorskiy in 50/170 RYRY/DE to UIW, & into admin
tfc, crew TG's (KLD/UTF). EMXD: 2118 RTTY RTMA Timofey Gornov in
50/170 crew TG's. (RB)
12563.5 9VMP: 1632 ARQ M/V Front Rider w/tlx to Singapore. (RB)
12564   OOUV: 2031 RTTY TKH Novodruzhsk in 50/170 admin tfc re msgs sent via
UWWR. UWUA: 2243 RTTY TKH Novozybkov in 50/170 RY, & into tcf to St

Petersburg Radio. (RB)

12564.5 UIMH: 0139 RTTY TR Tambov in 50/170 RYRY/DE to UIW, & w/crew TG's. SEN. (RB)

12565.5 UNOJ: 2259 FEC TKH Dekabrist w/RYRY/DE to UGC, St Petersburg Rdo. (RB)

12567 YLFN: 1440 RTTY RTMS Inzhener Yudintsev in 50/170 RYRY/DE to UKQ, & into crew TG's using hull#/ID RTMS-7567, also sends same for YLFU. (RB)

12567.5 EVBD: 1727 RTTY RTMA Dionis in 50/170 crew TG's to Kaliningrad, vsl bound "Lapland". UPVU: 2004 RTTY Tol'ko Bereg? in 50/170 RYRY/DE to UIW, & into tfc to Arkhangelsk, using hull#/ID AB-0594, unk prefix for this vsl, c/s change? (RB)

12568 YLFB: 1558 RTTY RTMS Aitsinayams in 50/170 in admin tfc using hull#/ID RTMSh7552, w/tfc to Riga from master, KM Dozrikov. (RB)


12571.5 LYLW: 0030 RTTY STR Granat 50/170 w/crew TG's to Khgrad using hull#/ID STR8258. (RB)

12572.5 UALU: 2027 RTTY NIS Atlantida in 50/170 crew TG's (KLD/MRH). (RB)

12574 USRV: 1629 RTTY BATM Marshal Yeremenko in 50/170 crew TG's using hull#/ID MA-0064 (MRM/KRH). (RB)

12576 USCG BOSTON (NMF) 1630 FEC wx forecast. (DW)

12580 CAPETOWN RADIO (ZSC63) 1233 FEC Wx for South African waters. Return to marker "de ZSC sitor svc k" and long dash. At 1706 w/Navigation warnings. (DW) ZSC63, Cape Town R., AFS 2033 ARQ w/"de zsc sitor svc k" in CW. (RM)

12580.5 FFT61: SAINT LYS R, F 1821 FEC nav warnings in F (SS)

12601 EAD, MADRID, S 0922 ARQ CW CQ. (EW) [same as 12580 RD]

12657 COPTOWN RADIO (ZSC63) 1233 FEC WX for South African waters. Return to marker "de ZSC sitor svc k" and long dash. At 1706 w/Navigation warnings. (DW) ZSC63, Cape Town R., AFS 2033 ARQ w/"de zsc sitor svc k" in CW. (RM)

12657.5 LYNGBY RADIO (OXZ) 1638 FEC Danish ship press. (DW)

12657.5 KEJ: HOOLEHUA, HI, US 1017 FEC transmission sked. (EW)

12673 UNID 0720 GMDSS 100/170 16 calls in total. None of MMSI used identifiable as to nationality other one to Lyngby. (DW)

12750 MOBILE RADIO (WLO) 1345 FEC Wx. (DW)

13050 MURMANSK RADIO (UDK2) 2311 3SC 50/170 Traffic in 3SC to MTR ukovvwlowmj. (DW)

13276 Possibly "6XM8," BND, Bonn, D, w/encryption, ARQ-E/288 at 1545. (RM)

13419 Possibly "6XM8," BND, Bonn, D, w/encryption, ARQ-E/288 at 1545. (RM)

13422.9 RFHHWO 0109 ARQ-TD2 128.5/100 Papeete Meteociv Papeete, C.I= "IOC". (RM)
13438.5 Unid 1025 FEC No speed taken, Idling. (Ew)
13438.6 PIAB BONN (DGN43hl) 0825 FEC-A 96/100 Start up sequence. New callsign noted - DGN42HL. German press. All poor copy. (Dw)
13440 TANJUG BELGRADE (Zyi235) 1035 RTTY 50/400 EE press. (Dw)
13444.2 RFOB FF, Djibouti, DJI, w/cdy on DJI ct at 1503, ARQ-E3/100. (RM)
13470 MOSCOW MET (RKU71) 1035 FAX 120/576/800 Upper air forecast chart. (Dw)
13510 CF HALIFAX (CFH) 1715 FAX 120/576/800 Isobaric prognosis. N. Atlantic. (Dw)
13530 MOSCOW MET (Rvw53) 0841 RTTY 50/1000 Met traffic. (Dw)
13542 PRETORIA MET (Zro3) 1834 RTTY 75/400 Met traffic. S African 1800z obs. (Dw)
13570.9 DGN5711: PIAB Germany 0910 FEChA 96/400 NX GG. (Ab3)
13597.4 ROME MET (IMB56) 1242 FAX 120/576/800 Distorted upper air chart. (Dw)
13687.5 Remington Numbers 1527t AM (ee/5F/w) //11695.0, "Count 208", Rpt @ 1529. (Mf)
13809.5 Unid: 1620 PICCOLO w/idling xmsn, QRT at 1633, encrypted piccolo channel on same time on 13809.9. (RM)
13839.7 RFFA: MOD PARIS, F 0835 ARQ-M2, AR2 200/425 idle. (Ew) RFFTPA (=Comelef Ndjamena) 1025 ARQ-E3, 200b/392 w/5h letter tfc. for RFFUGI (=Air-Moyengene istres). (Jj2)
13846.7 RFVI, FF, Le Port, REU 1820 ARQ-E3/100 idle sig. (RM)
13875.4 MFA BUDAPEST (Hgx21) 0744 ARTRAC 125/170 Tfc in offline encryption. (Dw)
13882.4 RFHWWOG 0200 ARQ-TD2 128.5/100 Papeete in FDM, Meteo, C.I. = "IOD". (Ed)
13882.5 DDK6, Pinneberg Meteo, D 1526 FAX 120/576/wx chart. (RM)
13886.7 FF PARIS [RFFA] ? 1204 ARQ-E3 192/400 Characteristics of listed station but signal poor and unable to sync consistently. (Dw)
13887.9 RFHWWO 0131 ARQ-TD2 128.5/100 "RFHWWO" Papeete in FDM, C.I. = "IOA". (Ed)
13900 TAIPEI MET (BMF) 0923 FAX 120/576/800 Forecast in Chinese print, followed by wave analysis? for W Pacific. (Dw)
13915 HBC88: ICRC, Geneva, SUI 1506 PACTOR w/ICRC nx in FF. (RM)
13939.8 Unid 1305 RTTY 500/170 KCNA in FF., new freq.? (Ew)
13940.7 FF PARIS [RFFA] ? 1230 ARQ-342 200/400 Characteristics of listed station but signal poor/unable sync. (Dw)
13951 HBD-20/5 MFA Berne 1612 ARQ HBD-20/5 Berne 5lg's, "end of message" at end. (Ed)
13953.8 Unid: 2325 PACTOR 200/200 EE/msg., somewhat odd, is this a Mars freq.? (Ed) [I don't show any such logs -RD]
13954.5 EM346, Hawaii Emb., Havan, Cuba 1255 ARQ w/msg to MFA, Berne. (RM)
13954.6 Proud Eagle clg Snow Drift 2000 USB for 10 mins, no joy. (RM) [merchant vsls! M/V Snow Drift is C6ID9 -RD]
13956.5 MFA TUNIS 1518 FEC Rq for rpt. VHX de 5D6. Appears qrm between the two. Opr ex in FF. Eventually tfc in offline encrypt (2 msgs). No acknowledgement. (Dw) Tunisian diplo stas 2GF, WKQ & F6H 1858 FEC w/ys & op msg in FF. (RM)
13957 POLISH EMB RABAT 1046 ARQ-POL 100/260 4CRC. Betas. 110zz "wyslij: rabat gr" Polish opr chat. :"grupuj: 006 007 008". Further betas. (Dw)
13958.5 HBD-20 MFA Berne 2225 ARQ idle, selcal, ID, no traffic. (Ed)
13961.5 Unid: 1535 ARQ w/BMIF selc. HBD20/3, MFA, Berne, SUI 1507 ARQ w/5LG to Moscow ambassador. (RM)
13963 HBD20, MFA, Berne, SUI ARQ w/5LG to embassy at Rabat, MRC. (RM)
13966.7 FF PARIS [RFFA] 1256 ARQ-E3 192/400 8CRC. Poor sync. (Dw) RFL1, FF, Fort de France, MRT 1350 ARQ-E3 192b RQ sig. for over 2 hrs. (RM)
13966.5 STK, Khartoum Air, SDN 1738 RTTY 50/400 w/"ZCZC ryryry... qjh hssyfxynnn." (RM)
14339 MFA WARSAW (SN cn299) 0720 RTTY 75/250 Diplo broadcast to embassies. (Dw)
14363 Unid 1526 ROU-FEC 164.5/400 ? Rumania Rum. press circulars. (Ed)
14367 XINHUA BEIJING (Bzp54) 1120 RTTY 75/400 Press in EE. Same at 1220. (Dw) Xinhua Beijing 1000 RTTY 75b/378 RYRY BZP54/BZDR68 + news. (Jj2)
14373 KAC: 2055 RTTY 75/500 rys + 5fgs (SS)
14377 CCS: Santiago, Chile 0830 RTTY 50/850 5LG tfc to LZIA. (AB3)
14417 Unid 1200 ASCII various speeds, mainly 110 & 150b, also at 75 and 300 occasionally; was setting up a link, see 11106 log. (PT)
14467.3 DDHB, Pinneberg Meteo, D 1530 RTTY 50/400 w/ry, cq, freq. list. (RM)
14478.5 MFA VIENNA 1334 ARQ-S 96/200 5CRC. Tfc in German (news summary). (DW)
14488.5 MFA VIENNA 0818 ARQ-S 96/170 6CRC. Tfc (Seite 2 zirkular/2 page circular) in offline encryption. (DW)
14501.7 Egyptian Emb., Rabat, MRC, w 5LG to Cairo, ARQ at 1337. (RM)
14518 MFA VIENNA 0915 ARQ-S 96/200 End of tfc in German then irs mode. QSL for tfc then CLEAR++. At 0733, Tfc in offline encryption. Zirkular. (DW)
14573 JANA TRIPOLI 1613 ARABIC 50/400 Arabic (ATU70) press. (DW)
14585.7 RFPTC: FF N’DJAMENA, CHAD 0834 ARQhE3 200b idle. (EW)
14586.7 RFHI, FF, Noumea, NCL, w/RQ sig. at 1950, ARQhE3/100. (RM)
14606.7 RFHI, FF, Noumea, NCL, w/occasional msgs or 5LG on HIJ ct. (RM)
14643.7 Unid: 0807 ARQ EE nx, no ID, poor. (EW)
14664 MFA BUCHAREST [V5G] 1103 FEChROU 164.5/400 Opr with abysmal CW followed by online encrypted msg. Idles on "a". With bit inversion mask 24 ids on code32 and subsequent tfcin clear. At 1134, Diplo press summary in Roumanian. (DW)
14718.3 RFHI, FF, Noumea, NCL 1747 ARQhE3 100b w/occasional msgs or 5LG on HIJ ct. (RM)
14727 Unid 1801 RTTY 75/400 5lg's, followed by 8, 5FG's, "qru 47 sk". (ED)
14732 RFVI: FF LE PORT, REU 1047 ARQ-E 96b idle. (EW)
14742.5 MFA MOSCOW, RUS 0618 PICOLLO 33 TONES encrypted. (EW)
14759 Navmarcormarsgrams 1810 Pactor. (RM)
14760 CNM61, MAP, Rabat, MRC 1408 RTTY 50/400 w/nx in EE. (RM)
14798.7 RFFVAE, FF, Dhahran, ARS (acc. to Klingenfuss '96) 1414 ARQhE3 200b w/weak, undecodable sig. (RM)
14801.7 FF LE PORT [RFVI] 1316 ARQ-E 100/400 8CRC. Betas. Cct [VII] to Noumea. Controle de voie RFVI de RFVI. Same at 1620. (DW) RFVI, FF, Le Port, REU 1736 ARQ-E 100b idling. (RM)
14817.5 JPA, Interpol Tokyo, Japan 0613 ARQ Interpol bulletins. (AB3) [great catch! -RD] Interpol Tokyo 2330 ARQ in EE & later FF, is the first I have heard from Interpol's Tokyo transmitter in ages. Thanks for the tip to Andrew Brill of New Zealand, a fellow WUN subscriber for the tip-off in a recent post. (TR)
14834.8 Unid: 1043 RTTY 75b QXQXQ between ea msg, 5LG's. (EW)
14875 ATPC: FF New Delhi, India 0842 RTTY 50/400 Infoind nx agency RY. (AB3)
14912 MFA BELGRADE [DFZG] 1440 RTTY 75/400 Online encrypted tfc. Ends "73 k". (DW) DFZG, MFA, Belgrade, YUG, w/ry at 1426, 380/75. (RM)
14912.5 WARSAW RADIO (SPW) 1403 FEC Polish ship press. (DW)
14917 Unid 1155 FEC-A 144/400 Encrypted after CCCCCC, possibly Turkey. (ED)
14926.7 RFTJ: 1640 ARQ-E 192/349 controle de voie. (MR2) RFTJ, FF, Dakar, SEN 1432 ARQ-E 192 idling. (RM)
14959.7 RFTJ: FF Dakar, SEN 1434 ARQ-E 192b idling. (RM) RFTJ: FF Dakar 1426 ARQ-E 192/364 to RFTJ Martin. controle de voie. (MF2)
14985 Unid: 1435 POL-ARQ Continuous VLNH... (RM)
14986 Unid 1311 POL-ARQ 100/170 Warsao 5 CRC, Pol. msg. (ED)
14990.9 MFA ISLAMABAD ? 1328 TWINPLEX 100b -300/-100/100/300. F7b-1 (tones used to be -200/-85/85/600). Online encrypted traffic, then long period on betas. (DW)
15043 Unid: 1344 ARQ 5LG’s & JG74, KDS041, HTKSHKG, FROM: :47 to New York. -Cutler Cartridge p/n 5788-1 QTY 2180 Class 13. (RC)
15042 JANA TRIPOLI 1112 RTTY 50/400 French press. (DW)
15054.9 MAP RABAT 1020 RTTY 50/400 Press in FF. (DW)
15064.9 MAP RABAT 1007 RTTY 50/400 Press in FF. Unlisted MAP frequency. Thought 15654.9 misdial but MAP also running 15654.9 as well. (DW)
15070 TANJUG BELGRADE (Y21237) 1115 RTTY 50/400 80hz high. EE press. (DW)
15079 MFA THE HAGUE (PCW1) 1047 CW/SITOR Marker "PCW1" & tuning burst. (DW)
15731 SUNA KHARTOUM 1434 ARABIC 50/150 Press in Arabic. (DW)

15744 XVN: Hanoi, Vietnam 0740 RTTY 50/350 VNA news. (AB3)

15745.9 RABAT 1241 POL-ARQ 100/170 Morocco Pol. msg. 5CRC, Pol. emb. in Rabat. (ED)

15763 Unid 1200 ASCII various speeds, mainly 110 & 150b, also at 75 and 300 occasionally; was setting up a link, see 11106 log. (PT)

15781 USAF AWS ROOSEVELT ROADS 1445 FAX 120/576/N/800 Chart of North America, Canada, N Pacific, N Atlantic. (DW) AF5: Offutt AFB, Elkhorn, NE, w/wx charts, 120/576 at 1338. (RM) [NRR or AF5? hRD]

15857.6 Unid 0448 ALIS 228.5 encrypted.

15858.5 DMK, MFA, Bonn, D 1611 ARQ 96b w/encryption to Brasilia. (RM)

15860 FF PARIS [RFFX] 1121 ARQ-E 72/400 4CRC. Betas. (DW) RFFX, Mindefense, Paris, F 1341 ARQ-E 72b idling for hours. (RM)

15873 MFA PARIS [RFGW] 1152 FAX 192/400 FF Tfc, p/l then qru/signoff. (DW)

15878 3MA24: CNA Taipei, TWN 0930 FAX 120/576 Chinese text in 2 columns, severe two-path distortion (KB)

15898 MFA PARIS [RFGW] 1157 FEC-A 192/400 "de P62". Tfc in offline encrypt when sufficiently clear. (DW)

15904.5 Unid 1201 ARQ weak idle, selcall "cvvz". (ED)

15912 Irish Military to Lebanon 1236 USB pp to Peace Keeping troops. Later SITOR A traffic. (RC)

15913.5 Unid: 1113 ARQ msg in EE, no ID. (EW)

15926.7 Unid: 0947 ARQ 200b idle, no ID. (EW) [MFA Cairo logged here before -RD]

15942 MFA BRATISLAV, CVKA 0942 RTTY 100 PP msgs. (EW)

15946.5 MFA MADRID ? 1138 TWINPLEX 100b -200/-85/85/200. F7b-1. Selcals TQMV. qrm from another station using Sitor/B. UNID. 1137 FEC Stn using Spanish. "si me recibes9(240 y lo unico es para decirte, pse anula dos aparte las dos partes......gcs y hl corto jjjj." (DW) EAE220, MFA, Madrid, E 1517 TWINPLEX w/encrypted msgs. Unid 1914 ARQ w/TQQV selcals / usually MFA, Madrid, E, here in TWINPLEX. (RM) [also have logs of 'EAE220' MFA Madrid in ARQ w/Txxx selcalls -RD]

15950 MOSCOW MET (RBI77) 1139 FAX 120/576/800 End of sea surface temp charts for N Atlantic. At 1041, same w/small chartlets //7750. (DW)

15969.2 Unid. idling in ARQ, 1422-1500. (RM)

15969.3 Unid: 1533 RTTY 50/850 w/encryption. (RM)

15976 SN299: MFA WARSaw. POL 1107 POL-ARQ 100 PP msgs. (EW)

15988.7 Unid: 1059 ARQ encrypted. (EW) Unid 1523 ARQ idling. (RM)

16007.7 Unid: 0939 ARQ idle, no tcf. (EW)

16009.4 RFHWWO 2323 ARQhTD2 128.5/100 Papeete Meteociv Papeete, meteo, channel A, C.I. = "IOD". (ED)

16013.7 MFA CAIRO, EGY 1049 ARQ ATU-A text & encryption. (EW)

16017.7 Unid: 1227 ARQ idle. (EW)

16035 KYODO SINGAPORE (9VF252) 1426 FAX 60/576/800 Very weak Japanese text print. New Kyodo Singapore textprint. Slow improvement to 1530z when "KYODO NEWS" clearly legible then rapid fall off. (DW)

16042 Unid 2216 ARQh6/90 200/200 5lg's, nnn at end, FF. op msg. "de diplo". (ED) MKK: RAF LONDON, G 1224 RTTY 1105/1275 RY. (EW)

16060.5 HGX: MFA BUDAPEST, HUN 1220 ARQ ENCrypted. (EW)

16066.8 IRO 30: ANSA ROMe, I 1612 RTTY 50/220 nx in Italian (SS)

16073.7 MFA OSLO, NOR 1040 ARQ encrypted. (EW)

16098 HBD20: MFA BERNE, SWI 1104 ARQ 5LG'S. (EW)

16101 HBD20: MFA BERNE, SWI 1124 ARQ 5LG'S. (EW)

16104 MFA OSLO, NOR 1035 TWINPLEX 100 encrypted. (EW)

16108 HBD20: MFA BERNE, SWI 1120 ARQ encrypted. (EW)

16113 HBD20: MFA BERNE, SWI 1214 ARQ msg in GG. (EW)

16117 PANA DAKAR (6VK317) 1557 RTTY 50/N/450 Press in FF. 135hz high. (DW)

16118 HBD28 Khartoum Sudan 0840 ARQ Swiss Embassy. (CC)

16124 MFA Berne 1242 ARQ 5lg's. (ED)

16125.2 RFQP: FF JIBUTI, DJI 1012 ARQ-M2,AR2 200/425 idle. (EW)

16129 M4W Israel 0847 RTTY 75bd RY tape. (CC) MFA OSLO, NOR 1125 TWINPLEX 100 encrypted. (EW)

16136 XINHUA BEIJING (BZR66) 1123 RTTY 75/N/400 Press in EE. (DW)

16141.7 MFA CAIRO, EGY 1033 ARQ encrypted text. (EW)

16143 MFA MOSCOW, RUS 0958 PICOLLO 33 TONES encrypted. (EW)

16156.7 Egyptian E Khartoum, SUD 1210 ARQ idling. (EW)

16165.2 RFFA: MOD PARIS, F 1040 ARQ-M2,AR2 200/425 idle. (EW)

16182.8 SAM: MFA STOCKHOLM, SWE 1206 SWED-ARQ 100b 5LG'S. (EW)
WUNhv02

16193 RFQP Djibouti 0910 ARQ-M2 200/400 FF. (CC)
16203.7 MFA INDIA EGYPT EMB, IND 0917 ARQ ATU-A msgs. (EW)
16204 HGX: MFA BUDAPEST, HUN 1134 ARTRAC 125b encrypted. (EW)
16205.5 MKK London 1542 PICOLLO MK-6 Traffic on operator ch. (ED)
16209.8 MFA OSLO, NOR 1203 TWINPLEX 100b encrypted text, 5LG's. (EW)
16213 "DKRX," French Emb, Dakar, SEN 1643 ARQG-90 200b w/5LG msgs. (RM)
16249.5 Unid: 0914 RTTY 50/425 5LG's, no ID. (EW)
16261.7 FF UNID. 1553 ARQhE3 192/400 8CRC. Betas. Cct [HAI] controle de voie Paris de Paris. (DW)
16272 OMZ 1316 RTTY 100/400 Prague Czech press. (ED) Unid: 0909 UNK 150b encrypted, cannot decode, believe RAC-ARQ. (EW)
16273.6 MFA ALGIERS ? 1205 COQh8 26.6b 16273.628. Tfc in Arabic (ATU80). (DW)
16276 MFA MOSCOW, RUS 0507 PICOLLO 33 TONES encrypted. (EW)
16280.2 RFQA: MOD PARIS, F 0938 ARQhM2,AR2 200/425 idle. (EW) RFQA, Mindefense, Paris, F 1653 ARQ-M2 200b w/5LG on both channels. (RM)
16281.2 RFQP, FF, Djibouti, DJI 1506 ARQ-M2 200b w/ch A: cdv (RQG ct), and ch B: 5LG (RQG ct). (RM)
16286 Unid: 0911 ARQ Idle. (EW)
16310 RFFA: MOD PARIS, F 0937 ARQhM2,AR2 200/425 idle. (EW)
16327.7 MFA CAIRO, EGY 0901 ARQ encrypted text. (EW)
16331.7 MFA BUCHAREST [V5G] 1136 FEC-ROU 164.5/400 BImask=24. Diplo press summary in Roumanian. (DW)
16332 MFA BUCHAREST [V5G] 1104 FEC-ROU 164.5/400 Saturday bdcast. BImask=24 to idle on Code32. Tfc online encrypted. End of message designated w/long string of characters -eg "4444444444444" or "rrrrrrrrrrrr". Closed 1140 with CW. (DW)
16341.2 V5G: MFA BUCHAREST, ROM 0925 ROUhFEC 218.3 encrypted. (EW)
16335 OMZ: MFA PRAGUE, CZECH 0917 RTTY 100/425 msgs in Czech. (EW)
16371.1 MFA BUCHAREST, ROM 1040 ROU-FEC 164 encrypted. (EW)
16386.7 PAKISTANI EMB ANKARA 1117 ARQ Tfc in EE signed PAREP Ankara. Selcals KMEU. "this is the third time line cut where are you?". (DW) MFA ISLAMABAD, Pak 1045 TWINPLEX 100 msgs in EE to London. (EW)
16616.6 Unid: in ARQ at 1636 w VKXE selcalling. (RM)
16637.4 Unid. 1900 FIC in Greek w/summaries of top world news events of each month in 1995. (RM)
16671.7 Unid. 1724 ARQ TH I'la Ul'yanaov wtlx to BSC Morflot in EE for ETA Tampico. (RW)
16684.5 SLZC2: 1940 ARQ M/V Brazil Victoria w/tlx re needed supplies. (RB)
16685 KCBG: 1908 ARQ M/T Ranger w/OPR+ tcf w/LSD re their FAX sked times. (RB)
16688.5 ZCUX: Repulse Bay 1805 ARQ ETA for unk port. (AB2)
16688.9 V2IR: 2006 USB M/V Sylt w/tlx to Globe Ship, Miami. (RB)
16689.5 P3L55 M/V VELOS 0038 ARQ WKG KFS, ETA BALBOA. LOGIN: 00598 P3L55. (WT)
16690 N/A: 1730 ARQ M Comm W/tlx for noon posn, 2016N/05312W, via SAB. (RB)
16690.5 P3V12: 1732 ARQ Antigonos w/tlx to Port Cap of Balboa for ETA, login 29330 P3V12. SWYH: 1857 ARQ M/T GL Panorama w/posn tlx, 2129N/06753W, ETA Port Cardon, login 16851 SWYH. 3PEP8: 1943 ARQ TN MSC Mirella, container ship, w/tlx to MSC New York re reefer temp, login 42904 3PEP8. (RB)
16693 DUQO: Silver Star 2108 ARQ AMVER msg. (AB2) 3FZ3J: 1629 ARQ M/V Hanjin Tokyo w/AMVER/SP. (RB)
16693.5 WPPN: 1806 ARQ Advantage, break bulk cargo vs1, w/AMVER/PR, 3405N/04006W, login 11979 WPPN. ELFA4: 1844 ARQ M/V West Star w/tlx tcf. 3EYF8: 2031 ARQ Big Glory w/tlx for month end bunkers status. (RB)
16694 EOIQ: 1952 ARQ M/V Aram Khachaturya w/tlx for ETA Nola pilot. (RB)
16696 ZCAG2: Chevron South America 1814 ARQ OBS msg. (AB2) KNLO SS MANUKAI 1832 ARQ W/MX, BBX. (WT)
16697 P3L55 M/V Pacifier 1927 ARQ w/tlx, eta Quetzal pier. login: 29268 PACIFI. Ex-D8PS?. (WT)
16699.5 N/A: 1627 ARQ Bulk Trader w/noon posn tlx, 12-54N/061E, login 29128 BULK. P3GJ3: 1635 ARQ M/V Moonlight w/tlx to Ferm Int'l in Dutch, login 26823 OTMOON. LXDL: 1731 ARQ M/V Crystal Pilgrim w/tlx re temp of reefer containers. H3DC: 1851 ARQ M/V Kinaros V w/tlx for posn,
1818N/06756W, ETA Christobal, login 26355 KINARO. (RB) 5LPH M/V World
Wood 2103 ARQ w/tlx, 18.1N 117.3W. login: 29360 5LPH. (WT)

16705 H3NF: 1654 ARQ M/V Dinamarca w/tlx tfc to Buena Trades, Columbia.

16706.5 ELA36: Rosina Topic 2032 ARQ posn rpt 18.33S/118.48W to Oceanroutes,
San Francisco. (AB2) 3PTW4: 1754 ARQ Golden Duke, bulk carrier,
&w/department report tlx. (RB)

16710 ELGF3: MV Ewl Rotterdam 1755 ARQ w/seclcal 24985, eta report & cargo
loading. (MR2)

16713 UYEZ: Ararat 1252 ARQ coded number groups via UFL. (AB2) N/A: TH
Novgorod 2320 ARQ w/msgs. (WT)

16713.5 P3OL4: 1657 ARQ Cliper Alliance w/noon report to Oceanroutes San
Francisco, 36N/05426W. KLPN: 1941 ARQ SS Galveston Bay w/tlx tfc.

16715 LGEF3: MV Ewl Rotterdam 1755 ARQ w/seclcal 24985, eta report & cargo
loading. (MR2)

16720 UYEZ: Ararat 2252 ARQ posn rpt 18.33S/118.48W to Oceanroutes,
San Francisco. (AB2) 3PTW4: 1754 ARQ Golden Duke, bulk carrier,
&w/department report tlx. (RB)

16735.5 TESM4: Hanjin Yokohama 2235 CW wkg HLO. (AB2)

16765 ENV5 TH KARITON GREKU 2115 RTTY 50/170 RYRX UUI DE ENV5, NO JOY.
(UUI = ODESSA R..) (WT)

16770 LXRC M/V Crystal Pride 2022 ARQ w/tlx, login: 36283 LXRC. (WT)

16782 9VCT M/V SUNRISE 1844 ARQ W/TLG TO: MARITEX CENTER. PERU TO
SHANGHAI. (WT)

16795.6 Unid: 1032 FEC EE nx items. (EW) Unid, RUS 1026 RTTY 50/170 msgs in
RR, no ID. WTSCA. (EW)

16802 UVKG: 1528 RTTY RTMS Stratosfera in 50/170 admin msgs to Sevastopol
Radio. UFAA: 1614 RTTY BATM Aleksey Generalov in 50/170 crew TG's
using hull#/ID MA-0066 (MRM/KRH). (RB)

16804.5 UHCF: 1614 RTTY BMRT Novoukrainka in 50/170 crew TG's to Kerch. (RB)

16805.5 UNID 0726 GMDSS 100/170 Monitor to disc. 14 calls, 7 of which shown
as "No valid callingmode". (DW)

16805 USCG BOSTON (NMF) 1634 FEC WX forecast. (DW)

16805.5 USCG APRA HARBOUR (NRY) 0501 FEC svc re contacting station/
procedures. Tropical depression (Colleen) wng posn 17.3N 174.8E.
Wind/sea wng for N Arabia, Bengal, RedSea. Other wng NW Pacific. (DW)

16808 SPA: GDNYIA RADIO, POL 1052 FEC tfc list. (EW)

16810 NMC: USCG SAN FRANCISCO, CA US 0925 ARQ CW ID. (EW)

16816 CAPETOWN RADIO (ZSC64) 1707 FEC Navigational warnings. (DW)

16817 ZSC: CAPE TOWN RADIO, RSA 0920 ARQ CW ID. (EW)

16817 CHATHAM RADIO (WCC) 1642 FEC WX. At 1240 w/traffic list, high seas
forecast. (DW)

16821.5 LYNGBY RADIO (OXZ) 1639 FEC Danish ship press, same at 0832. (DW)

16829 USU: MARIPOL RADIO, RUS 0917 ARQ msgs to ships. (EW)

16898.5 MOSCOW RADIO (UAT) 0727 CW/SITOR Marker "de UAT" and tuning bursts.

16905 FUV: 1954 RTTY 75/400 Jibouti ry's on FUV CW frequency. (ED)

16997.6 MOBILE RADIO (WLO) 1338 FEC Tropical wx forecast. tfc list. (ED)

17010 UGC: ST PETERSBURG RADIO, RUS 0713 RTTY 50b msgs WTSCA. (EW)

17014 GM: RN, London, G 1611 RTTY 100/170 w/encryption to the Atlantic
Fleet. (RM)

17054.6 Possibly NBA, USN, Balboa, PNR 1614 VFT 75/85 w/encryption to
warships in the Caribbean. (RM)

17148 Unid 2100 FAX 120/576 Nice chart of Gulf Stream flow, metric
measurements, no stop/start tones between charts, yet with NOAA seal.

17148.3 USCG NEW ORLEANS (NMG) 2020 FAX 120/576/800 Surface analysis shows
Hurricane ROXANNE. (DD)

17225.4 Unid: 0532 RTTY 75b encrypted. (EW)

17443 XINHUA BEIJING (BZG48) 1127 RTTY 50/400 Marker "qra qra qra de BZG48
BZG48 BZG48 XINHUA Beijing". (DW)

17445.5 NAIROBI MET (5YE) 1344 FAX 120/576/N/800 Chart for Indian Ocean. (DW)

17468.2 MFA CAIRO, EGY 1142 ARQ 50/400. (EW)

17518.5 German Embassy 1459 ARQ-E 96/200 ? Bonn G. msg., to Lima, & other
embassies. (ED)

17520 Unid 1624 ARQ wide shift, IRS only. (ED)

17521.3 GXQ, BA, London, G 1537 VFT 50/170 w/Fax & ryi on all channels
through 17522.8. (RM)

17522 GXX: BRITISH ARMY, LONDON, G 1132 VFT RTTY 1.5, 50b diversity test.

Pagina 82
17527 Unid 2119 ARQ IRS only. (ED)
17750.7 Unid 1350 ARQhE3 192/378 idle. (MR2)
18040 AA ANKARA (TCY4) 1103 RTTY 50/1300 780hz high. Note also the wide
shift. Press in FF/EE. (DW)
18041.7 HGX: MFA BUDAPEST, HUN 1055 ARTRAC 125 encrypted. (EW)
18064 MFA WARSAW (SNN299) 1028 ARQ/POL//100/E/170 4CRC. Tfc in Polish p/l.
"end of file: wyslilij.001". Economic bulletin in FF. (DW)
18066.5 JKT: MFA JAKARTA, TUR 1123 ARQ msgs in Indonesian. (EW)
18173.5 KHARTOUM AIR (STK) 0713 RTTY 50/400 Marker "qjh HSSYFYX" and ry's.
(DW)
18203 MFA France 1629 ARQ-6/90 200/300 "de diplo", no ID on station,
location, although probably RFGW. (ED)
18238 SUU: CAIRO METEO, EGY 0948 RTTY 100b wx. (EW)
18254 MFA BERN (HBD20/7) 1150 ARQ Tfc in offline encrypt. Double line
spacing/single freq ops. Tfc addressed LIMAPEAM (Lima Peru
Ambassador). Fading after 1225. Terminates qso with ID HBD20/7. (DW)
18257 HBD20: MFA BERNE, SWI 1117 ARQ encrypted. (EW)
18265 CNM78: MAP RABAT, MOR 1113 RTTY 50b nx in FF. (EW)
18268 HBD22: MFA BERNE, SWI 1107 ARQ encrypted, 5LG's. (EW)
18283.3 HBD22: MFA BERNE, SWI 0925 ARQ msgs in GG to HBD20. (EW)
18360.4 Unid: 1102 Unid 100b idle signal, see peaks.rts. (EW)
18411.5 JKT: MFA JAKARTA, INS 1120 ARQhS 96b 5LG's & msgs in Indonesian. (EW)
18431 Unid: 0540 FAX 120/576 map. (EW)
18436 Unid: 1015 RTTY 75b encrypted. (EW)
18445 MFA OSLO, NOR 1010 TWINPLEX 100b encrypted. (EW)
18464 MFA MOSCON, RUS 0515 PICOLLO 33 TONES encrypted. (EW)
18514 Unid: 0942 TWINPLEX 100b encrypted. (EW) EX 100b encrypted. (EW)
18549.8 MFA BUCHAREST [V5G] 1140 FEC-ROU 164.5/400 BImask=24. Diplo press
summary in Roumanian. (DW)
18552.1 MFA BUCHAREST [V5G] 1145 FEC-ROU 164.5/400 BImask=24. Roumanian p/l
diplo summary. (DW)
18597.5 MFA MADRID 1320 TWINPLEX 100b -200/-85/85/200. F7b-1. Tfc in offline
encryption (10ltr groups). Fading. (DW)
18704.2 DGS70H5: PIAB Germany 0910 FEC-A 96/400 NX GG. (AB3)
18762 MFA BUCHAREST [V5G] 1123 FEC-ROU 164.5/400 Circular msg in Roumanian
p/l. Bit inversion mask =24. (DW)
18768 Unid: 0828 ARQ-E 192b encrypted. (EW) [Unid station C37, suspected as
MOSSAD, ISR -RD]
18801.4 JKT: MFA JAKARTA, INS 1111 RTTY 50b 5LG's & msgs in Indonesian. (EW)
18875 HJNX: Mediterranean 1611 ARQ tlx tfc via WLO. DAFC: Columbus
Australia 1757 ARQ OBS msg. (AB2)
18912 TURKISH EMB HARTUM? 0715 FEC-A 144/850 Traffic in Turkish then
off air. Tfc repeated at 0700z from location Hartum (?where is this -
Turkish for Khartoum?). (DW)
19128.7 Unid: 0526 ARQ encrypted. (EW)
19219 Unid: 1020 RTTY 50/850 5LG's, no ID. (EW)
19220 JKT: MFA JAKARTA, INS 0847 RTTY 50b press review in Indonesian. (EW)
19235 Unid: 0433 PICOLLO 6/12 TONES encrypted. (EW)
19357 MFA LAGOS 1113 FEC-A 96/850 Frequency off at first monitoring then
corrected. SVC in EE "BGY to all missions" w/apology for silence
during past few days due power pblm. Signed Foreign Lagos" Msg to
Baghdad (BGD). (BD)
19363 USAF AWS ROOSEVELT ROADS 1353 FAX 120/576/800 N Hemispheric chart
(temp?) Small charlets for N America (severe wx outlook). (DW)
19390 Unid: 1243 FAX 120/576 wx map. (EW) [NRR, U.S. Navy Roosevelt Roads,
PR w/KAWN charts --RD]
19365 Unid: 1037 RTTY 75b poss RR text. (EW)
19390 Unid: 0537 ARQ-E 96b idling, no ID. (EW)
19418.7 RFFA: MOD PARIS, F 1240 ARQhE3 192b idle. (EW) RFFA, Mindefense,
Paris, F, w/RQ sig. at 1529, ARQ-E3/192. (RM)
19542 Unid: 0526 ARQ encrypted. (EW)
19685.5 MOBILE RADIO (WLO) 1658 CW/SITOR Marker "WLO" and tuning burst. (DW)
19731.4 PCW1: MFA THE HAGUE, NETH 0929 TWINPLEX 100b encrypted text. (EW)
19747.5 DAKAR MET (6vU79) 1417 RTTY 50/400 Met traffic. (DW)
19808.2 MFA OSLO, NOR 1037 TWINPLEX 100b encrypted. (EW)
19860  GYA London UK 0835 RTTY 75/850 Royal Navy. (CC) MTO: RN ROSYTH, SCOT 0747 RTTY 75/850 test DE MTO. (EW)
20414.4 Unid: 0735 CW encrypted. (EW)
20420  Unid: 0903 RTTY 75/425 5LG's, off w/QRU XQQM XZR SK. (EW)
20466  Unid: 0547 PICOLLO 6/12 TONES encrypted. (EW)
20872.7 ICRC RED CROSS, SWI 0714 HChARQ 240/200 encrypted. (EW)
22461  FUJ: Noumea, New Caledonia 0005 RTTY 75/850 French Navy w/RY. (AB3)
22664  FUM: Papeete Tahiti 0005 RTTY 75/850 French Navy w/RY. (AB3)
22688  MOBILE RADIO (WLO) 1349 FEC Wx forecast. (DW)

=MARITIME=
525  DAN: Norddeich Radio, D 2133 CW Tfc list (AB)
1674  Unid 0212-0215 YL in EE & poss another lang, w/tfc list, at the conclusion, it sounded like she said, "Good Morning." ID? (MH)
1890  PCH: Scheveningen Radio, HOL 2142 USB WX (AB) Scheveningen Radio Holland 0342 USB w/long YL MIB after amnt on 2182. (DHM)
activation at 333N/07628W, req any vsl in vicinity keep a sharp lookout. ZBM: 0438 USB Bermuda Harbor Radio w/pan pan ann of man overboard from S/V Salina, 3431N/06606W. (RJ)

2311 Arklow Shipping 2100 USB Daily net for Arklow Shipping ships. (RC)

2614 DAN: Norddeich Radio,D 2246 USB Tfc list (AB) Norddeich R. 2320 USB R/.tel comms in GG. (DM2)

2643 LGQ: Rogaland Radio,NOR 2238 CW Tfc list (AB)

2643.5 SPS: Witowo Radio,POL 2244 CW Marker (AB)

2670 Landsend R. 0735 USB Nav.notices. (DM2)

2719 GCC: Cullercoats Radio,G 2237 USB WX (AB)

2761 OSU: Oostende Radio,BEL 2235 USB Nav. wngs (AB)

3722 Aussie fisherman in Bass Strait 0934 USB Talk abt Flounder fishing. Language pretty salty. One gave PIREP of 38S 148.17E. (RH)

4084 VDD, CAN mil., Debert, NS 0030 RTTY 75/170 w/all VFT channels encrypted on link to Australia. (RM)

4125 VL4242: Unid vsl 0918 USB unable to copy vsl's name, heard clg VIT Townsville radio for radio check.QTH off Mooloolaba (Sunshine Coast, QLD).Heavy QRN. (RH)

4190 DZRG: 1413 CW m/v National Dignity w/KFS@ 39N/124w enrt Oakland-Busan. (JSM)

4195 D7WJ: 1500 CW m/v Maystar w/JCS departing Hakata for Portland. (JSM)

4197 WKB: Portishead Radio,ENGLAND 2026 CW w/ID. (AE)

4228.6 VIM, Melbourne, AUS 1148 CW QO QO QO DE VIM QSO 4184.5 KHZ. (EW)

4235 VAI: Canadian CG, Vancouver, BC, CAN 2110 CW w/ID. (AE)

4247 KPH: SAN FRAN RADIO, CA, USA 2119 CW w/ID. (AE)

4250 WLU: MOBILE RADIO, AL, USA 2122 CW w/ID. (AE)

4253 TAH: 0449 CW Istanbul R. w/DE mrkr. (JSM)

4268 LPD68: 0008 CW General Pacheco Rd,ARG w/ marker. (PS2)

4274 GKB: Portoisehead Radio, ENGLAND 2026 CW w/ID. KFS: PALO ALTO RADIO CA, USA 2124 CW w/ID. (AE)

4275 HPP: PANAMA RADIO, PANAMA 2127 CW w/ID. (AE) HPP: 0718 CW Panama Rdo,PRN w/ marker. (PS2)

4285 VCS: Canadian CG, Halifax, NS, CAN 1845 CW w/ID. (AE)

4294 WNU33: SLIDELL RADIO, LA, USA 1849 CW w/ID. (AE)

4297 XSO: 1526 CW Wenzhou R PRC w/vsl BLJP. (JSM)

4308.5 DAN: NORDDEICH RADIO, GERMANY 1759 CW w/ID. (AE)

4310 WNU41: SLIDELL RADIO, LA, USA 2030 CW w/ID. (AE)

4317 ZSC: CAPE TOWN RADIO, S. AFRICA 2133 CW w/ID. (AE)

4323 VIP7: 2025 CW Perth Rdo,AUS w/ marker. (PS2)

4331 WCC: CHATHAM RADIO, MA, USA 2041 CW w/ID. (AE)

4343 WLO: MOBILE RADIO, AL, USA 1807 CW w/ID. (AE) WLO 1235 CW Wx Product report. (EC1)

4369 Cape Town Radio 0430 USB. Ship chat between Cape Town Radio and the Telkom Maritime re the Cape to Rio yacht race fleet (0430 on 4077/4369). (PC)

4483 N/A: USB 0905 Sydney Sailing Yacht Club receiving posn reports from participants of the Sydney-Hobart yacht. Customs patrol boat Delphensous VHA2218 0640 USB wkg training ship Young Endeavour, Delphensous had been helping with the sched. (BS)

4930 SPW: Warsaw Radio 2201 CW: “de SPW QSO 4202.5KHz azim 02”. (RC)

6218.5 XJP52: 2113 USB Upper Lakes Shipping (ULS Ltd), Toronto, CAN clg ULS Great Lake ships SS Canadian Mariner, CYMD; M/V Canadian Ranger, VGKD; & Seaway Queen, VDDL no joy. VCFW: 2115 USB Canadian Provider wkg XJP52 for posn. VCRQ: 2118 USB M/V Canadian Explorer 14,754 DWT bulk carrier, wkg XJP52 re ETA of 1700 on the 10th in the canal. (RB)

6297 WCC: CHATHAM RADIO, MA, USA 1904 CW w/ID. (AE)

6391.7 WNU42: SLIDELL RADIO, LA, USA 1907 CW w/ID. (AE)

6407.5 VIP: Norddeich Radio,D 1358 CW Perth Rdo,AUS w/ wx. (PS2)

6460 WLO1: MOBILE RADIO, AL, USA 1937 CW w/ID. (AE)

6477.5 KPH: SAN FRAN RADIO, CA, USA 1942 CW w/ID. (AE)

6480 9GX: 0714 CW Tema Rdo,GHA w/ marker. (PS2)

6484.5 WSC: TUCKERTON RADIO NJ, USA 1839 CW w/ID. (AE)

6491.5 VCS: Canadian CG, Halifax, NS, CAN 1845 CW w/ID. (AE)

8176 VIT: USB 0700 Townsville radio wkg "Defiance" and "Leanda 2 " (AW)
Private Dancer 1925 USB R/T tfc re posn, enrt JUDD KEY (8207 refered to as 805). (MF2) [Private Dancer is a vessel on maritime ch.805 8207 (ship) 8731 (shore station, WOM in this case) -RD] C6CN4: 1608 USB M/S Royal Majesty, Royal Cruise Lines 28,000 DWT cruiseship, wkg WOM re R/T t/fc holding for passengers. C61P3: 2038 USB M/S Meridian concluding R/T w/AT&T Coastal Station WOM, is a 36,440 GWT cruiseship w/Celebrity Cruises. (RB)

ELFT8: 2049 USB M/S Celebration wkg AT&T Coastal Station WOM re R/T t/fc, Carnival Lines 47,260 GWT, cruiseship. (RB)

8222   Private Dancer 1925 USB R/T tfc re posn, enrt JUDD KEY (8207 refered to as 805). (MF2) [Private Dancer is a vessel on maritime ch.805 8207 (ship) 8731 (shore station, WOM in this case) -RD] C6CN4: 1608 USB M/S Royal Majesty, Royal Cruise Lines 28,000 DWT cruiseship, wkg WOM re R/T t/fc holding for passengers. C61P3: 2038 USB M/S Meridian concluding R/T w/AT&T Coastal Station WOM, is a 36,440 GWT cruiseship w/Celebrity Cruises. (RB)

WUNhv02
WUN-v02

Cape to Rio yacht race fleet, yacht is amidst the fleet and any yacht can contact her on 4 MHz in case of an emergency or for making contact w CT Radio. Many yachts are contacting CT Radio directly on 4 and 8 MHz. (PC)

8743
DZA: MANDALUYONG RADIO, PHI 1022 USB wx fcst in EE, then int sig. & into unk lang. (EW) CBV: 0341 USB Valparaiso Radio, CHL wkg unid vsl 6LAQ w/calls to S. Korea in EE. (RB) KMI, Dixon R., CA, wkg Alaska Challenge at 0019. (RM)

8749
WOO 1050 CW Traffic list Ocean Gate NJ. (EC1)

12245
LANW4: 1918 USB M/V Muriel wkg AT&T Coastal Station WOM (on 13092) for R/T calls on New Years Eve. C6KJ6: 1941 USB M/V Turandot wkg WOM for R/T call to the Ukraine on New Years Eve, all circuits busy. (RB)

12284
N/A: USB 0227 Yacht "Ilich" VRST clg Singapore radio. (AW)

12388
Unid USB 0525 ship station trying to call "Salad star". No joy (AW)

12404.5
Bulacan Rdo, PHL USB 0230 w/long series of coded messages. (AW)

12437
9HXB4: 0250 CW m/v Georgia w/JOR @ 33N/170E. (JSM)

12728
J2A9: 0745 CW Jibuti Rdo, DJI w/ marker. (PS2)

12808
KPH: SAN FRAN RADIO, CA, USA 1911 CW w/ID. (AE)

12844.5
KFS: PALO ALTO RADIO CA, USA 1647 CW w/ID. (AE)

12874
VCS: Canadian CG, Halifax, NS, CAN 1658 CW w/ID. (AE)

12885.6
UNID: GULF WEATHER?? 1920 CW w/ID. (AE)

12917
KLB: SEATTLE RADIO, WA, USA 1701 CW w/ID. (AE)

13029
UQB: Kolmsk Radio, RUS 0035 CW Nav Warnings bcst. (AB2)

13041.5
XVS9: 1326 CW Ho Chi Minh Ville Rdo, VTN w/ marker. (PS2)

13042.5
PJC: 1216 CW Curacau Rdo, Willemstad, ATN w/ marker. (PS2)

13067
OOSTENDE RADIO (OST52) 2320 CW Marker "vvv de OST4/42 OST5/52 = closed till 0900 lt call 500/phony/tor". (Dw)

13076.5
JNA: Tokyo Radio, J 0056 CW JASREP Safety bcst, reports man overboard from M/V Tasman Clipper, c/s H3NP. (AB2)

13080
3DP: USB 0550 Suva radio giving p/p to unid (AW)

13122
9VG66: USB 0510 Singapore radio wkg unid stn.Long shipping list. (AW)

13131
9VG67: SINGAPORE RADIO, SNG 1041 USB R/T call to ship. (EW)

13152
unid USB 0532 wkg BVA Taipei.Ordering a long list of medical supplies. (AW)

13179
Unid 1034 USB Unk loc, definitely RR tfc. (EW)

13191
Moscow Rdo, RUS USB 0630 wkg several stations (AW)

13954.6
Proud Eagle clg Snow Drift on USB for 10 mins at 2000. No joy. (RM) [merchant vsls! M/V Snow Drift is C6ID9 –RD]

14656
SPW: WARSAW RADIO, POL 1055 USB R/T call in unid lang. (EW)

16378
UDUA: Aleksey Kosygin 0023 USB tfc via UIK, QSY from 16713. (AB2)

16423
Athens Rdo USB 0535 clg SYMP Athena. (AW)

16516
Bulcan Rdo USB 0645 wkg ZMA 55. p/p (AW)

16520
New Delhi Rdo USB 0248 wkg "Amar Colony" (AW)

16528
Three Hamburg-Sued ships 0008 USB exchanged the following noontime posi- po's, Columbus Canada (ELQN9) 19N/132W, bound from Los Angeles to New Zealand, ETA 16 Jan. Columbus Queensland (DICO) 23N/84W, bound from Houston to Cristobal. Columbus America (DIUU) 20N/74W. Columbus Queensland, 21,000 tons, was built in 1979, and Columbus America, 19,000 tons, was built in 1971. (RA)

16615
Unid USB 0740 greek stn having pp, switched to 16605 at 0746 (AW)

16624
C6KS3: 1829 CW m/v East Light w/WLO /eta Balboa. (JSM)

16627
3EXE2 M/V OCEAN SUNRISE 2225 CW W/1 MSG. (WT)

16916
WSC: TUCKERTON RADIO NJ, USA 1414 CW w/ID. (AE)

16948
VCS: Canadian CG, Halifax, NS, CAN 1417 CW w/ID. (AE)

17007.5
KLB: SEATTLE RADIO, WA, USA 1708 CW w/ID. (AE)

17010
UKPH: ST PETERSBURG RADIO, RUS 0713 RTTY 50b msg5 WTSCA. (EW)

17016
KPH: SAN FRAN RADIO, CA, USA 1425 CW w/ID. (AE)

17037.5
WNU55: SLIDELL RADIO, LA, USA 1427 CW w/ID. (AE)

17085
USU: MARIUPOL RADIO, RUS 0703 CW Q. (EW)

17116
WNU45: SLIDELL RADIO, LA, USA 1435 CW w/ID. (AE)

17143.6
DAN, Norddeich R., D 1608 CW w/"cq cq de dan dan 4cg 8cg 16cg k" marker. (RM)

17146
CLA: Havana R., CUB 1559 CW w/cq/qxs marker. Station is not listed for this freq. (RM)

17165.6
CLA41, Havana R., CUB 1555 CW w/cq/qsx marker. (RM)

17170.5
PJC, Willemstadt R., Curacao, ATN 1554 CW w/cq marker. (RM)

17198.9
PCH60, Scheveningen R., NLD 1548 CW w/"de pch60 16 as" marker. (RM)
17206.1 IAR, Rome R., I 1545 CW v/w marker. (RM)
17302 Doha Rdo USB 0920 general call to all ships. (AW)
17305 OXZ: Lyngby radio DEN USB 0950 w/kg unid vsl SVCQ. (AW) [M/V Zim Yokohama – RD]
17317 ABATE: DOHA RADIO, UAE 1116 USB R/T call re problem w/oil in bilge pump. (EW)
17326 SVN66: ATHENS, GRC 1057 USB R/T call to ship. (EW)
17332 BVA: TAIPEI, TAI 1050 USB R/T call to ship. (EW)
17332 Unid: 0700 USB an Asian (Chinese I think) w/"All stations this is BBA" about 4 times then "I have messages" then into Asian language. Next she call in english "I have message for????" then nothing! ID? (SB) [BVA, Taipei Rdo, Taiwan hRD]
17338 BVA: TAIPEI, TAI 1058 USB R/T call to ship. (EW)

=MILITARY=
119.8 SXA: Greek Navy Piraeus, GRC 1945 CW "vvv de sxq/g/2g/3g" (KB)
139 TBA: Turkish Navy Ankara, TUR 2105 CW "vvv tba /2/3/4" (KB)
2670 USCG Cape May 2308 USB w/end of MIB b/c. (DHM2) NMV: USCG Group Mayport, Florida, 2313 USB w/kg M/V Industrial Champion/ELNV2 ref. arrival at Philadelphia. (JP)+(RB) C6IU4: M/V Scandinavion Dawn 0015 USB w/kg USCG Group Mayport w/MEDICO. (JP) NMF44: 2335 USB USCG Southwest Harbor Group, Me, w/wx. (RB)
2806 IGJ41: Italian Navy Augusta, I 2234 CW VVV marker (AB)
2815 IDR8: Italian Navy Roma, I 2239 CW VVV marker (AB)
2841 EBA: Spanish Navy Madrid, E 0045 CW VVV message (AB)
2842 O5W: Unid NATO ??? Various accents 0300 USB w/1J3CW. "OSW is now Alfa Papa". At 2225 w/6KQ, 1JZ, 5JC. Radio checks & track reports. At 1710, w/M/LC & then returns to HF for comms with Magic (AB)
3029 German CG Neustadt, D 1733 USB w/unid CG vessel. Posn report (AB)
3032 NIGHTWATCH 01 0517 USB briefly w/kg SKYTRAIL. (GH)
3113 NIGHTWATCH net activity 0712 USB on self-id S301 (not S302), w/26-character EAM bcst. (GH)
3275 AAT7BL 0235 USB dictating MARSgram to AAT7SH. (RM)
3625 Moroccan Army (nights) USB/LSB. (JK)
3782 CTP: 0232 CW NATO Lisbon, POR w/marker. (PS2)
4023 AAR4CM 0035 LSB leading Army MARS net. (RM)
4029 U.S. Army MARS AAT6R & AAR6WZ 1300 USB net comms. (EC1)
4134 NPCR: 2346 USB USCGC Dallas (WHEC-716) w/kg CAMSLANT (NMN) re data. (RM)
4238 VTP: 1618 CW Vishakhapatnam Naval w/v mrkr. (JSM)
4268 VTP: 1617 CW Bombay Naval w/coded tfc. (JSM)
4395 USN tracking net activity USB stations using single or 2 letter alpha callsign. Heard mention of "launch", "event 8", & "recovery in progress". (EG) [Jim Conrad later posted info that these comms are all related to Navy Aircraft Carrier Flight Operations. Launch is the term used to indicate the departure of a/c from the carrier. Each “cycle” (the complete launch of one group of a/c & the return of a previous group) has an “event number” associated with it. The phrase “recovery in progress” indicates that the carrier was recovering a group of a/c back aboard. Comms were most likely from JTFEX being conducted off the east coast w/the USS George Washington (CVN-73) Battle Group. –RD]
4469 KGA351, CAP Florida wing 0130 USB w/Sparrow 236 holding roll call. (RM)
4721 IDR: 2215 USB unid broken-EE OMS w/ rdo ck "Sierra Two Hotel this is India Delta Romeo At 2228 "India Delta Romeo this is Six Quebec Yankey" Also hrd: "Fox One Bravo" (F1B), "Zero Yankey Quebec" (0YQ). (PS) [CanForces ch.G20 best bet, but USAF/AFSOC/MYSTIC, & Italian Navy has also been logged here –RD]
4739 Probable USN net 2312 USB w/P6Z, Blue Star, Super 15, & Wafer 755, sounds very similar to 8971 often complete with ticking. (SF)
4741 NIGHTWATCH 1231 USB w/kg APPRAISAL, will monitor as primary until better freq is found. (EC1)
4742 IFB48 1534 USB w/kg ARCHITECT w/request Architect call 'Lyneham Ops'
w/ETA of 17:00z. LYNEHAM 63 1552 USB wkg ARCHITECT, req radio check. No joy. IFN82 1647 USB wkg ARCHITECT w/req pp to 'Lyneham Ops'. Require flight-plan for Anconah-Lyneham. ETD 18:30 FL240. IFN80 1652 USB wkg ARCHITECT w/req wx for Split & Ancona. LYNEHAM 63 1526 USB wkg ARCHITECT w/ground radio cks. RAF AIR 2C05 1522 USB wkg ARCHITECT re Arriving @ ENZV @ est time. Request relay to 'EGWO Ops'. GCP 1553 USB w/Architecture w/req pp to 'Lyneham Ops'. No joy. IFN82 1647 USB wkg ARCHITECT w/req pp to 'Lyneham Ops'. Require flighthplan for Anconah-Lyneham. ETD 18:30 FL240. IFN80 1652 USB wkg ARCHITECT w/req wx for Split & Ancona. LYNEHAM 63 1526 USB wkg ARCHITECT w/ground radio cks. RAF AIR 2C05 1522 USB wkg ARCHITECT re Arriving @ ENZV @ est time. Request relay to 'EGWO Ops'. 6CP 1553 USB wkg ARCHITECT w/Relay to 8TD 'on track 15:30z' (AD) Ascot 4130 1500 USB Architect (C-130, RAF) wx ETUR (Bruggen) EDDL (Dusseldorf) EDDF (Frankfurt) EDDK (Koln-Bonn). ODM 75 (Puma, 27 Sq. Odiham) 1532 USB w/Architecture for rdo ck several freqs, QSY 9031. ODM 95 (Puma/Chinook, 27 Sq. Odiham) 1534 USB w/Architecture, req. wx EG## (at this point the tx broke off, Architect called several times but made no contact). (BH) ASCOT 3650 0853 USB wkg Architect DJBC L15 ZD952 departed EGVN 0800/10 15e/1015 Nairobi 1635/45 relay D+NBOAPMK NBOXKK+NOBAOQRR. ASCOT 4902 0912 USB wkg Architect AKBJ 130 XV292 Departed EGDL 0830/35 15e/1135 eta Akrotiri 1425/35 relay LIMA. IFN 11 1140 USB wkg Architect AKDJ 130 XV304 Departed EGDL 1110/20 eta Bruggen 1240/50 relay K+Bruggen Ops. (Also heard on UHF Bruggen Approach). IFN 97 0912 USB wkg Architect clg Architect. No answer. To 9032. Also no answer. ASCOT 5896 1253 USB wkg Architect AKDJ 130 XV304 pp to ASCOT ops: Route-support on the way to Brize Norton (eta 1345). Diverting from Lajes due to the tanker-situation. ASCOT 5065 1950 USB wkg Architect AKEG 130 XV307 Departed LIMA 1900/10 eta EGDL 0045/55 relay Lima. ASCOT 5533 1020 USB wkg Architect AKEG 130 XV209 dep. .... 1000/10 eta .... 1050/1100 relay K+BFSKIRR. NATO 33B 1111 USB wkg Architect Req actuals for EGXW, EGWN, EGCC. ASCOT 5314 0940 USB wkg Architect AKEL 130 XV212 to 5714 Architect. Nothing heard. IFN 17 1105 USB wkg Architect AHGJ 130 XV176 Departed Lyneham 1035/40. Eta Split 1405/15 relay K+BDSQAYD+BDSBMAZ. Req. wx. Ancona & Split. IFN 21 0930 USB wkg Architect AJLM 130 XV221. ASCOT 5890 1035 USB wkg Architect to 9031. No contact. IFN 18 0912 USB wkg Architect AKDL 130 XV305 pre-flight check. (HW) IFN07 C-130? LTW? 0937 USB W/Architect dep Bruggen, germany est LQsm? (JF) SMALLFISH 0556 USB wkg NIGHTWATCH 01, with this freq now set as primary (co-channel data xmsn was bothering SMALL FISH on 5700). (JH) Unid: USB on the half hours a station with Brit accent names locations & gives a color or 'nil'. I have this listed as RAF Strike Command. (RR) [yes, the colors are the conditions at the airfields for the locations named, every H+00 & H+30 -RD] 4950 Chalace Alpha: 2211 USB wkg GULF CHARLIE, GULF ALPHA, others w/what sounded like NORAD training. (RB) 5026 NIGHTWATCH 0323 USB clg SKYTRAIL on S305, w/no response & gone, (very heavy swbc qrm from 5025). NIGHTWATCH 01 originally told SKYTRAIL on 5800 that he was not authorized the use of S305, then corrected himself. (JH) 5064 9MB: 1403 CW MNY Georgetown,MLA w/ marker. (PS2) 5680 Balkan Embargo traffic 2000+ USB Callsigns: AR to DE; AD to SA. (Using local Rescue Freq) (RC) 5687 DHM 91: German Air Force Munster,D 1129 USB w/Unid a/c, wx for several European airfields (AB) 5693 USCG Detroit 1510 USB tfc w/Coast Guard 6590. USCG Cape May clg Coast Guard 6576 but no joy. (DHM2) 5696 NMQ: USCG Group Long Beach, California, 0040 USB clg CG aclt 6015 who was having trouble maintaining guard with CAMSPAC {JP} NMN: CAMSLANT CHESAPEAKE 2106 USB wkg ZULU 23 RAPTER. (MF2) RESCUE 6021 2118 USB wkg CAMSLANT CHESAPEAKE. (MJ) NMG: 0011 USB Comsta New Orleans clg Rescue CG 2101 (at 0014 qsy to 4134 Khz also hrd here). Rescue '40' 0024 USB wkg New Orleans COMSTA. NMN: 0000 USB USCG Camslant wrk CG 1713, at 0048 wkg USCG Camslant wrk B6V? (PYY) COAST GUARD 1703 2328 USB reporting normal ops to CAMSPAC Pt. Reyes, often stepping on CAMSLANT Chesapeake wkg T2P. (RA) PANTHER: 0603 USB DEA, Nassau, Bahamas, wkg 32C re securing his radio guard, then clg SHARK 619, USCGC Confidence (WMEC-619), no joy. NOS: 0649 USB USCG AirSta Cape Cod Ma, US "Cape Air" wkg Rescue 2115 w/updated posn of EPIRB 4000N/6317W, fuel status. (RB) Camslant Chesapeake 2220 USB Lots of trigraph callsigns: FSB, U1H, C6Q, X6N. I couldn't hear any of this traffic. Also CG1502, 2104 0630, 1500. What is the trigraph stuff? [cud be anti-Narcotics/smuggling,immigration,fisheries/treaties or
other law enforcement patrols -RD] CAMSLANT 1306 USB wkg RESCUE-02
w/msg to head to district 5 track to Tanger for medevac patient, Call
Eastern Shore on CH#23 or CH#16, he had to repeat the tx 3 times due
to poor reception. (SB)

5700
NIGHTWATCH 01 0550 USB w/26-character EAM trailing the GHFS – the
second OFFUTT ceased his best on the GHFS, NW01 popped up on 5700
w/the string. NIGHTWATCH 01 2339 USB clg VOLTAIRE, then on 6730.
SKYTRAIL 0520 USB wkg NIGHTWATCH 01, moving here after being run off
5800 by SS lang comms. SKYTRAIL also requested use of P380, & was
advised by NW01 that NW01 was not authorized to use that freq. (JH)
MEATHOOK 0409 USB clg NW, no joy, QSxed to X-903 (6730) not heard
there. (MD) GIN SOUR 2120 USB clg NW01 no joy. REAL SILK 0114 USB clg
NW. (MJ) WAR46: 1415 USB Alternate National Military Communications
Center, Raven Rock Mountain, Pa, clg NIGHTWATCH 01 on P381 Christmas
morning. (RB)

5708
EIYM: M/V Aoife 1247 USB wkg, C253 (CASA CN235 Irish Air Corps) for
rdo ck. (RC) [Aoife is hull P22, Irish Navy "P21"-class patrol vsl, great catch! -RD]

5715
ARCHITECT: RAF, G 1131 USB Airfield info (AB)

5800
SKYTRAIL 0237 USB wkg NIGHTWATCH 01, & using this freq as primary for
part of the evening (until run off by SS lang comms.) At 0335z,
SKYTRAIL with 26-character EAM, coincident with GHFS rotation of
same. (JH)

6200
DZST: (QRA unknown) wkg CAMSLANT Chesapeake (duplex on 6501 kHz USB)
w/MEDICO tfo about crewman w/heart problems. (JP)

6318
IN ROME (IDR3) 2324 CW. Marker "vvv EDR3". Note EDR3, not IDR3. (DW)

6469
SXA24: Unid 1833 CW w/ID. (AE) [Greek Navy, Piraeus -RD]

6501
NMO: 0626 USB USCG CommSta Honolulu w/conclusion of scheduled wx
b/cast. (RB)

6683
SAM 202 2026 USB wkg ANDREWS. (JH) Andrews 1854 USB w/pp for SAM 682
re changes in Dayton agreement. (MF2) SAM 681 1935 USB wkg Andrews,
681 not heard. SAM 403 2230 USB wkg Andrews w/pp's. AIR FORCE ONE
2232 USB wkg Andrews w/comm ck. SAM 29000 2251 USB wkg Andrews w/pp.
Air Force 2 1908 USB wkg Andrews w/pp's. (MJ)

6691
OVERSLEEP 1902 USB wkg BOOMTOWN, are id'ing the freq as CHARLIE
ALPHA. UNDERDOG 2029 USB clg SKEPTICAL on CHARLIE ALPHA w/no luck
(moved here from 9017). (JH)

6694
CKN: 2343 USB Vancouver Military, BC Can, wkg MF692, re ability to
respond to overturned vsl at 5244N/12917W, immediate pp Victoria RCC
re same, confirms has enough fuel to fly to that posn & return Comox.
At 0017, MF692 was released from this tasking to RTB Comox due to
other a/c being closer. CGAE: 2345 USB HMCS Regina (FFH-334) wkg
MF692 re same SAR. CKN: 0004 USB Vancouver Military, BC wkg Rescue
33 (helo, later also called SPEAR 33) w/ETA to overturned vsl, adv
M/V Langwood would be on scene assisting also. At 0036, Rescue 33 was
on scene. pp to the M/V Langwood vsl survivor. K8VY: 0028 USB
Unid clg Halifax Military, Vancouver Military replies & req they QSY
to 6715 (later 5717) due to SAR comms on freq, K8VY had British
accent. CanForce 2412: 0235 USB clg Halifax Military, no joy. (RB)

6712
MAGIC 57 1720 USB wkg ARCHITECT w/Various wx. MAGIC 59 0029 USB wkg
CROUGHTON, Moved to 6754, pp to AT&T operator. (AD) JUGUM 01 1012 USB
w/Croughton (E-8) pp JSTAR OPS/JSTAR 01: req uhf freqs: 256.25/
232.05, they're wkg the crypto problem. freqs for RWF 07/25: 119.9,
RWF 18: 124.85. How do we fill in the customs forms? Customs will
meet them on arrival. Parking on H1 or H2, ATOC will advise on UHF.
The only airfield in Europe with RWF 07/25, 18 is Rhein Main as far
as I know, JSTAR OPS indicates an E-8 JAYSTARS aircraft. Spelling not
sure. IF80 1016 USB w/Croughton pp V630-8575/8574 (Charlie Ops): on
the ground LHBP (Budapest), diverted there due to bad wx other
destination, req instructions: call V636-7358 ext 2108 (AME): army
delagation should meet all three a/c & decide to off load cargo at
LHBP or wait for the wx to clear. So far only local personnel showed
up. Req SATCOM freq: 292.5 uplink, 261.6 downlink. BOOKSHELF 47 1238
USB Mainsail (EC-130 ABCC, Bosnia) No joy --> 11175 Croughton, pp DSN
632-7373: go push 150 or push 86 (channel designators, unknown to me, the
DSN number is Bookshelf Ops, Aviano, Italy). (BH) CHALICE ECHO
0835 USB wkg RAMSTEIN CP via CROUGHTON. Wants UHF freq for MAGIC -
RAMSTEIN is unable to comply. (CHALICE ECHO is an E-3) They called
WUN-v02

MILDENHALL on UHF originally, req pp to BITBURG CP but with no joy, I thought BITBURG had closed? (JB) RAZOR 03 EC-135 0849 USB pp/w? dep 0843 arr 1845. The Razor was heard a couple of days ago using "Headdancer 03/Razor03. Coordinating a re-deployment consisting of 24 Ah-10's ent from Lajes to Sadam? (JF) RHETT 11 0715 USB clg ANDREWS for a radio check. ANDREWS 0717 USB w/norm h+17 EAM bcst; however, partway into string, ANDREWS lost the circuit to a busy signal (seized) and MCCLELLAN pops up with another system-wide EAM. REACH 451GS1 0534 USB wkg CROUGHTON, 46.56N/18.12W, self'id'd as KC-10A. MCCLELLAN 0548 USB up as lead station w/EAM bcst, followed by another at 0605z. At 0617z, ANDREWS up on freq with normal h+17 EAM bcst, with the string taken from the 0548z MCCLELLAN xmsn. At 0650z, SWEET PEA calling MAINSAIL with no response. OFFUTT 0539 USB w/131 character EAM: DN2440. (JH) AFE: Croughton GHFS 0704 USB wkg 45 India Golf. (JP)

6714 Rescue Op's: 1857 USB (USAF) clg KING 79 no joy, later ID'ing as "command post". (RB)

6715 SAM 970 1435 USB wkg ANDY VIP (no joy - pilot gave up). (JB)

6717 VENUS 78 and VENUS 79 2012 USB wkg ANDREWS. VENUS 79 2025 USB wkg ANDREWS. At 2011z, VENUS 78 wkg ANDREWS w/pp to SAM COMMAND. (JH) Andrews VIP: 1645 USB clg SAM 682 no joy. SAM 202: 2120 USB USAF C-20B tail 86-0207 wkg Andrews w/comms ck's. (RB)

6723 Tracking net 0200 USB w/call signs RED CROWN, FOXTROT, GOLF, LIMA, TANGO. RED CROWN seemed to be net control. (MD) FT: 1823 USB unid US-EE OMS ID themselves w/"Foxtrot Tango"."Foxtrot", "Oscar", "Golf" some kind of tactical military net it seems. At 2238, "...this is FT req speak w/one of your Echo Wiskey's" "...this is Oscar Echo Wiskey One this is Foxtrot Tango Echo Wiskey Two rq your scoring". (PS) Unid U.S. Mil Traffic 2352> USB "Mike, this is Oscar, are you still on track? & reference to Miami" Same QRG but different net: Call-signs "QO" "H4" "JZeroM" "8SN". Unid U.S. Mil Traffic 0010 USB "Got two tracks for you, One from Magic, One from Rattletop(?)") (RC) [U.S. Navy Link 11 coordination net, usually FOXTROT TANGO here, MAGIC prob an AWACS, other is prob P-3 -RD]

6730 Unid, Italian?, poss Italian Naval elements on the Bosnian blockade? USB the call was used in phonetics, Whiskey Tango 666. (EC) [Italian AF, Sigonella often logged here -RD] SHERLOCK 1605 USB coincident w/GHFS, w/26character EAM to NIGHTWATCH net. PRESCOT 0621 USB wkg NIGHTWATCH 01, entering the net, & the only player currently active in the net. At 0632z, NIGHTWATCH 01 w/EAM, trailing the GHFS. NIGHTWATCH 01 0537 USB clg EXPOSURE, but not hearing EXPOSURE's response. NW01 was apparently having tech problems at that time. LOSTTIME 1801 USB wkg NIGHTWATCH 01, entering the net, then advising that he was going monitor-only for indeterminate period of time. NIGHTWATCH net activity 2043 USB WAR46 calls NIGHTWATCH 01 for radio check & 0100z. ANDREWS 99 1300 USB clg TROUT 99 1300 USB wkg NIGHTWATCH 01, on an approx. 30 minute schedule. (DV + 10 pax + 4 space-A's). VAN BUREN 2248 USB wkg NIGHTWATCH 01, entering the net. Only player currently in net, P381 secondary, they've been staying mostly 'low' over the past few weeks.) At 2328z, NIGHTWATCH 01 with 26-character EAM to VAN BUREN, trailing the GHFS. NIGHTWATCH 01 0010 clg RAILMAN. RAILMAN up at 0131z clg NW01, but id'ing freq as X904, & wkg NW01 at 0159z. At 0202z NIGHTWATCH 01 responded to an unrelated comm from the SS lang opr ('station calling NIGHTWATCH?'), who in turn obviously responded to NW01, but immediately dropped. RAILMAN exits the net at 0318z. At 0546z ENVISAGE (phonetically spelled, & pronounced in-vi-sage by USN opr) works NW01, entering the net; no other players. Moved to 5700 at req of ENVISAGE. WAR46 0432 USB clg NIGHTWATCH ONE, w/nothing heard. NIGHTWATCH 01 0533 USB wkg INCLUSIVE, who entered the net. Active throughout the local night. EYETOOTH 0015 USB clg NIGHTWATCH 01. SKYTRAIL 0236 USB clg NIGHTWATCH 01 throughout local evening. ANDREWS 0403 USB wkg (or attempting to work) SAM 201, not heard here. MIGRATORY 0249 USB clg NIGHTWATCH 01. EAM xmsn at 0548z. WAR46 1340 USB wkg NIGHTWATCH 01 for signal check. At 1413z, KNAPSACK with EAM xmsn, no found simulcast freq, maybe trailing the GHFS. He then called NIGHTWATCH 01, with no response & gone. He was not yet in the net. SPAR 19 0106 USB wkg ANDREWS throughout night (past 0300z.) (JH) SAM 204 2055 USB in middle of pp,
VIP referred to as Albert, was this VP Gore? [Unlikely since any a/c w/U.S. VP on board is called AFh2 hRD] Andrews 2118 USB w/SITREP from SAM 204. (MF2) SAM 973 2221 USB wkg Andrews. AIR FORCE TWO 2306 USB wkg Andrews, at 2316 clg 973 no joy. SAM 973 2318 USB wkg AF2 & Andrews w/pp to SAM command. NW01 1809 USB wkg WAR46 w/commo ck, at 1814 w/40-char EAM...BDWHEB. (MJ) Air Force One 1950 USB Signal ck w/Andrews. (PI) TROUT 99: 1531 USB wkg Andrews w/pp Air Force op's. (RB) WAR46 1605 USB clg Nightwatch 01 for radio ck. WAR46 has Nightwatch 01 "weak, readable". I can't hear NW01. (RR)

Unid net 1200 USB w/mention of vip flight going over head near launch window. (JJR) [Post by Jim Conrad indicates these comms are all related to Navy Aircraft Carrier Flight Operations, this part indicates most likely a COD (Carrier Onboard Delivery) C-2 Greyhound (or Helo) was arriving near the start of a launch cycle. The term "overhead" is used to indicate the scheduled time an a/c is to arrive at the carrier. Comms most likely from the JTFEX being conducted off the east coast w/USN George Washington (CVN-73) Battle Group -RD]

IFN 17 1543 USB Architect (IFOR a/c, RAF) no joy. GOLD 21 (KC-10) 1133 USB wkg Thule, pp Mildenhall PMSV for Lakenheath wx. (BH) REACH GFF6 0825 USB wkg HILDA AMERICA wants to go to Mildenhall but told to go to Ramstein - interesting comments by pilot! (JB) GOLD 21 (KC-10 USAF) 1000 USB wkg Thule pp 480-2746 Ramstein ops. had Trend 31 Flt w/heim which diverted into Prestwick I think. Mentioned Flt of four? On 5616SH: At 10 west contact scottish 125.675. (JP) MOTORIST 0454 USB wkg HICKAM w/pp to NIGHTWATCH 01, apparently checking into the net. MCCLELLAN 0052 USB as lead station with a bunch of 20-character EAMs throughout the evening: 0052z; 0105z (FOR MARINBA) more to follow; 0017z (LAJES, FOR MARINBA); 0019z (FOR MARINBA): ...; 0310z (LAJES); 0317z (LAJES - the LAJES H-17 bcsts call attm to 'themselves, but maybe coincidenta). At 0327 0330 USB wkg LAJES w/pp to DSN 476 number, 'id' as 'something' BASE (could not make it out.) AT 0349z, station sounding something like SHOCK 34 working LAJES (but not SHARK.) REACH 80217 0125 USB wkg LAJES for radio checks. BLUE 61 0534 USB clg MAINSAIL; raising LAJES; placing pp to ROTA CP. TEEBLL 0910 USB clg MAINSAIL; raising MCCLELLAN; getting radio check & gone. THULE 0127 USB w/scheduled EAM xmsn, w/string taken from 0112z GHFS rotation. At completion of his xmsn, a female GHFS opr popped up on freq w/same string, then suddenly disregarded the thing & was gone. (JH) REACH 3089 2120 USB wkg unif after MAINSAIL, pp to HILDA, re a refuel (1320 given as update freq). (MF2) SAM 403 2225 USB wkg LAJES w/pp. (MJ) Navy TE823: 0121 USB wkg LAJES GHFS w/pp to 476 DSN for meteo. EXECUTIVE 1 FOXTROT: 0142 USB wkg MacDill GHFS w/pp Sam Command to adv was airborne 0140z, est Andy at 0245. ATLAS 11: 0454 USB wkg Albrook GHFS pp, Howard meteo, ETA Howard AB of 0610z. (RB)

TRENTON MILITARY 0006 USB w/pp for "1420" to Trenton Metro. (RR) DARKSTAR ZULU 0215 USB WKG SIDEDEC w/discussion of LINK11 settings ("papa uniform"). (RJL)

MKL: 0910 CW RAF Edinburgh,G w/ wx. (PS2) GORDO 15 1545 USB wkg QUID 60 re confirmation of new I.P time. Quid says finally launched head-wind all the w (AD) SAM 204: 0251 USB USAF C-20B tail 86-020 4, Special Air Mission a/c, wkg Andrews for various pp's. (RB) DRAH: 0815 USB FGS Enden (F-210) German Navy Frigate, clg/wkg DHJ-59 to QSL last RTTY msg sent. DRAH: 2320 USB FGS Brandenburg (F215) clg DHJ59 no joy, also at 2334. (RB) MMAC: 1635 USB Unid, USMC? wkg MMAC w/rdck's. At 1711, MICT w/"any station this net", then clg MQUP, MMAC, MGLO. Per NavTex warnings there was to be simulated beach landings on the day this was heard, by USMC. (RB) VENUS 79: 2015 USB wkg VENUS 78 w/block time, passes wx for destination. (RB) BEACHBOY ALPHA 5 0834 USB wkg BEACHBOY CHARLIE. Deployed Naval Special Warfare Group, SEAL Team unit w/kg their controlling agency. Voice & KL-43 traffic. (TT) FDE14: 1031 CW FAF Villacoublay ?, F w/ marker. (PS2) FDG: Bordeaux Air 0028 CW w/VAR marker. (MH) ANDREWS 2332 USB wkg SAM "787" with a check-comm, both parties seem
to have problems raising each other on freq; ANDREWS is mostly up on freq calling GORDO 15 (presumably SAM 787.) SAM 787 will respond to these calls, but ANDREWS apparently does not hear him. SAM 787 2329 USB wkg ANDREWS. At 0014z and 0018z, ANDREWS clg GORDO 15, being responded to by a reluctant-sounding SAM 787, but apparently not heard by ANDREWS. (JH) SAM 202 2127 USB wkg Andy w/pp to "dispatch", ordering ice, car on arrival, metro forecast for 2300 arrival. (MR2) SAM 682 2125 USB r/c Andrews VIP on F117. At 2217, req Andrews notify SAM 049 of departure at 2202. (RJL) Andrews 0600 USB w/Charlie 99, "qrm, go to 136", found them on 4458, confirmed contact, no further transmissions. (RR)

7335.5 FAF METZ (FDC) 2251 CW. Marker "vvv de FDC ar". (DW)
7535 NTKB: USS Klakring (FFG-42) 1516 USB wkg SESEF Norfolk. (JP)
Blackhawk: 1610 US wkg SESEF w/ HF xmitter tests, precommissioned MHC-58. NMIT?: 1647 USB USS Mitscher (DDG-57) w/ HF tests. "In Port Submarine" 1642 US clg/wkg SESEF re test, adv stand-by until done w/ Mitscher. NPBA: 1744 USB USS Defender (MCM-2) wkg SESEF Norfolk w/ HF tests. NRWY: 1750 USB USCGC Morro Bay (WTGB-106) clg SESEF Norfolk, no joy. NICK: 2016 USB USS Nicholson (DD-982) clg/wkg SESEF w/req to "go green". (RB)

7545 Unid aero traffic USB 0400-0500 in EE, unid station, accent possibly American. Heard best around 0400-0500 UTC w/posn reports, but too weak here to make sense of the posn. "Whiskey-Lima", "Bravo-Two"; & later "Golf-Lima", "Bravo-Two". (Any ideas?)
7831 SKYTRAIL 0235 USB moving here from 6730, clg NIGHTWATCH 01 then moved back to 6730. (JH)
8040 SAM 206: 2340 USB USAF C-20B (tail 86-0206) wkg Andrews VIP w/pp SAM Command to report block time of 2340z. (RB)
8187 Unid military 1434 US Abate, Golf Whiskey, Delta, Echo & November in a tracking net. (JM)
8240 NCDK: USCGC Sanibel (WPB-1312) 0448 USB wkg CAMSLANT Chesapeake. DIIIU: M/V Columbus America 1523 USB clg NNM (JP)
8295.5 Navy Submarine base 0023 USB wkg unid station, usually heard on 8294. (RB)
8401.5 Unid: 2020 USB "Patrol a/c -2?" very weak, clg ?-Control for several minutes w/nothing heard. (RB)
8601.2 ZLO: 1037 CW Royal New Zealand Navy Waiouru, NZL w/marker. (PS2)
8967 Unid station (could not make it out, but had distinctive UK accent) 1812 USB clg MCCLELLAN. (JH)
8968 AIR EVAC 1073 1547 USB wkg LAJES w/pp to ' Ops' Turkey. ETA Incirlik 19:15z. ETD 10:15z (AD) Lajes AB USB 0829 Lajes AB w/Skyking mmsgs. (AW) Spar 67 0908 USB Lajes (C-20) pp Phantom: C-20 dep Mildenhall 0840 eta Ramstein 0955 A2. pp V480-5066 (UNC) A2 for co-pilot's ASDCN panel: cannot select heading mode. Spar 67 usually is a C-9. (BH) Reach 10621 C-141 1115 USB pp Hilda for status on its tanker in track Oscar One west, Tazz 75 at 1505z. Shooner? 70 1115 USB pp 624-5511 Sigonella Base Ops. RAFA 91 1453 USB pp RAFA Ops, enrt Lajes but diverting Rota. GoldFish -? 0858 USB pp/w/ DSN:339-4528 Conus "NoFly?" pass to ...to come up CA for HF data. (I Saw Jeffs Smallfish, could be the same but I came in too late & only heard spell F I S H. I made Goldfish out of it. (JF) SMALLFISH 0605 USB clg MAINSAIL, eventually raising LAJES for a signal check, & gone. SWEET PEA 0654 USB wkg THULE and passes an 'Ops normal, authentication message that was to be relayed to CROUGHTON (that's why he was calling on 6712.0.). CASEY 01 1804 USB wkg MCCLELLAN. At 1807z, LOOK 85 working MCCLELLAN w/pp to an OFFUTT DSN 271 number.
At 1841z, OFFUTT clg LOOK 85 w/no response. IAF 001 (Israeli Prime Minister) 0711 USB first wkg ANDREWS (who moved him here from 11244) then LAJES after ANDREWS disappeared. Attempting to get aviation wx. DARK 15 2034 USB wkg MCCLELLAN w/pp to DYESS wx, & RAYMOND 37 re his IR. At 2039z, GOOSE 81 wkg LAJES w/pp to SPECTRE OPS w/ETA message. At 2101z, ICE 61 clg OFFUTT, MAINSAIL, SKYBIRD, & raising LAJES, w/a pp to RAYMOND 12 re IR problems. ROXIE 71 1843 USB wkg ANDREWS w/pp to LITTLE ROCK COMMAND POST (DSN 731). READDOR 1626 USB w/EAM bcst, not caught on other freqs, completing his bcst by repeating his callsign twice. (JH) ROGERS RADIO 2042 USB w/pp for REACH 79882 tail #90025 to HILDA AMERICA. TURBO 11 1918 USB rdo ck w/Offutt. (MF2) RAIDER 26 2319 USB w/pp to McChord via Hickam, a/c was ID'ed as a KCh130 "single brain" (?) w/26 passengers to disembark for SoCal transfer. (RA) Lajes 0130 USB wkg Navy 49676 w/all freq call, contact made & QSY to 15016 but n/h there. SAWN(?) 31: 1647 USB wkg Thule, 70n57w req pp. TAMMY: 2018 USB clg Thule, no answer. (RC) SOCOT 78 1322 USB pp ?? v/McClellan; Gen. Horne (sp?) onboard. (RJL) 8968.5 9UB, unid USN 0509 USB occasionally clg 'any station this net' and a station that was not clear, but was maybe GIANT KILLER. There was also another weak station that would call 9UB as well. (JH) 8971 BLUE STAR 2300 USB wkg Ashely (?) 740 and 741, re being eight Norfolk, using landline, and passing info to "3IC." callsign. Any ideas on Blue Star and Ashley IDs??? (RA) [BLUE STAR is a USN facility at Roosevelt Roads, PR; ASHLEY/ASHLEAF is a P-3C -RD] P62 1500 USB clg LUCAS(?) 30. P62Z advises 30 to resay their SATCOM traffic, which P62Z then acknowledges on non-secure HF. P62Z advises LUCAS 30 that P62Z will advise CTU of 30s fuel state & will try to get the relief a/c --LUCAS 14-- on-station as soon as possible. LUCAS 14s scheduled take-off time is 1800z, but will try to expedite. 30 was also adv to pass on their fuel state to ACU. (TT) Envoy 609 0623 USB w/RAAF Darwin, Re over night accommodation in Cairns, and to advise there respective wife's of this stop over. Envoy609 is a Falcon 900 VIP jet for the RAAF 34 sqd. (SB) 8975 Envoy 609 0623 USB w/RAAF Darwin, Re over night accommodation in Cairns, and to advise there respective wife's of this stop over. Envoy609 is a Falcon 900 VIP jet for the RAAF 34 sqd. (SB) 9017 BLUESTONE (EAM initiator) 2129 USB wkg MAGNAVOX. BLUESTONE simulcasting EAM on 9017 & 11244. NIGHTWATCH net 2038 USB w/NIGHTWATCH 01 (male and female oprs); MEMORIZE (EAMs simulcast on
9017 & 11244); UNDERDOG; and SKEPTICAL. UNDERDOG has attempted to move SKEPTICAL to CHARLIE BRAVO and CHARLIE ALPHA (6691.0) for ANDVT comms. MEMORIZE 2001 USB simulcasting on 9017 & 11244, w/26-character EAM, picked up by OFFUTT on the GHFS at 2003z. MEMORIZE then worked UNDERDOG and SKEPTICAL. UNDERDOG seemed to be high up in the pecking-order, as he seemed to handle some of the housekeeping chores when NIGHTWATCH 01 was not around. By 2036z, NIGHTWATCH 01 up again in the net, w/female opr. NIGHTWATCH 01 2124 USB w/26-character EAM, slightly trailing the GHFS. At 2153z, PARAMOUNT clg NIGHTWATCH 01 w/nothing heard, & then MOTIVATE working PARAMOUNT (both at good levels here). NIGHTWATCH 01 immediately up on freq wkg PARAMOUNT with ANDVT comms. At 2327z, WAR46 wkg NIGHTWATCH 01. WAR46 2023 USB wkg NIGHTWATCH 01. BROWN RAT 1846 USB clg NIGHTWATCH 01 & responded to by BILLY BOB. BROWN RAT with 26-character EAM at 1856z. (ANDREWS on freq at 1859z). KNAPSACK 1447 USB wkg NIGHTWATCH 01 (male opr), entering the net w/challenge process. At 1458z, KNAPSACK wkg NIGHTWATCH 01 (now female opr, and at strong level) with ANDVT comms. During this time period, sometimes KNAPSACK would be responded to by two oprs (the male and female opr) id’ing as NIGHTWATCH 01 at the same time, w/the male opr backing out. At 1634z, ORIGINATE (female opr, & very strong like the earlier NW01 opr) w/26 EAM xmsns, trailing the GHFS, and then calling SUNBATH. WAR46 2301 USB clg NIGHTWATCH 01. At 2326z, TELEGRAM clg NIGHTWATCH 01, then 'any station this net.' FIREBUG 1608 USB wkg NIGHTWATCH 01, entering the net & being advised that RARE COIN is also in the net, 5700 secondary freq. RARE COIN 2023 USB wkg FIREBUG, exiting the net through the challenge process. NIGHTWATCH 01 lurking on freq. (JH) BLUESTONE 1800 USB clg NW, answered by WAR46 who said NW is monitor only at this time NIGHTWATCH 02 1625 USB wkg NW 01. NW 2 reported to NW 1 that they had just landed at Andrews at 1623. (MJ) NIGHTWATCH: 2204 USB wkg ROSEBOWL w/comm ck's, wondered if anyone was still up in the net. (RB)

9023  
DARKSTAR MIKE 1705 USB w/ AWACS training w/ CRISCO, training re 'voicetel on HF, from context of comms, they are involved in an ALLIGATOR Playground. (JH)

9031  
3MC (Nimrod) 1143 USB w/ Architect re wx EKVG (Vagar, Faroer Islands) + more. ASCOT 9290 (tanker) 1258 USB Architect calling, no joy. (BH)

9057  
MANGROVE 1800 USB wkg NIGHTWATCH 01 in PARKHILL, plus exercise check on 'phoneline.' At 1816z NIGHTWATCH 01 clg DAIMYRAID, but only MANGROVE working DAIMYRAID. At 1820z, NW01 calls WAR46. At 1859z, MANGROVE calls NIGHTWATCH 01. At 1907z MANGROVE, simulcasting on 9057 & 8968 (11244 also at 2028z), w/26-character EAM (OFFUTT on GHFS at 1912z); & confirming same w/NIGHTWATCH 01 (now female opr). GOLD DIGGER 2032 USB ('rare' 10-character call) wkg MANGROVE; WAR46 up at 2033z clg NIGHTWATCH 01, stepping all over GOLDDIGGER. NIGHTWATCH 01 clg FIREFIREBUG, then clg MANGROVE (phonetically spelled); & WAR46. Moved here from 9017, & using secondary freq of 11220 (plus attempted use of 17992 at 2103z). FIREFIREBUG worked MCDILL earlier in the local afternoon with voice & data on 15043. The MCDILL data transmissions had obvious telco noise artifacts on it's signal (sounds like some numbers xmsns after the voice part is over. NIGHTWATCH 01 2027 USB wkg FIREFIREBUG after moving the net here from 9017. At 2030z, OUTFACE (phonetically spelled to NIGHTWATCH AT 2033z) entering the net with FIREFIREBUG. NIGHTWATCH 01 wkg OUTFACE for a radio check at 2355z. (JH) NIGHTWATCH 01: 1602 USB wkg WAR46 w/comms ck on S309. (RB)

9122.5  
USACE net 1504-1512 USB w/WUG, WUE4, WUN, WUO, WUH5, WUJ312, WUC5, & WU6 all heard. Early end today w/holiday & few checking in. (DHM2) USACE Friday net 1500 with following stations (& others) checking-in w/WUG/Vicksburg: WUK3 Sacramento District, WUI6 St. Worth District, WUJ2 Seattle District. (JP)

10596  
IPO-10 (USAF FOR Bosnia a/c) USB clg PROMENADE, Brindisi ALCE (Airlift Control Element), no joy. (BH)

10780  
Cape Radio 0927 USB advising "3262" (I think that's it...) of a brief hold in countdown. (TT)

11059  
SAM 203 2000 USB wkg Andy w/pp's. (MJ)

11111  
REACH 60199 1434 USB wkg another a/c, pilot mentions that he's doing "this Bosnia thing" - interesting freq. (JB)
AIR EVAC 1074 1409 USB wkg INCIRLIK w/pp to AVIANO C/P. Carrying a 'DB7'? Codename 'BEAR'. [DV for Distinguished Visitor -RD] SPAR 65 1410 USB wkg CROUTHDON, Moved to 11494 then back to 11175, pp wanted to American Embassy in Morocco. NAVY JM011 1438 USB w/radio ck (AD) SPAR 64 0908 USB Croughton pp Andrews: req wkg freqs: -> ADMP 376/646. 287 = 11226, -> 295 (11460) -> 311 (11220) -> 646/287, 646 = 13440 (loud carrier wave interfering, but they showed up) lost them there. All designators picked out of Rick's list, they were all correct! Thanks Rick :) [thanks to WUN! -RD] REACH 42366 1045 USB Croughton (C-141B) pp Hilda East: tailnr. 40613, dep Sigonella, eta OKAF (Kuwait Air Force) 1415, A1. OKAF is VFR only, will be arriving around sunset, req waver to dep after sunset to OKBK (Kuwait Intl). Hilda will work that, maybe don't go to OKAF at all, proceed to OKBK direct. Call again in 1 - 1.5 hr. IFO05 0927 USB w/Croughton (IFOR a/c, USAF) no joy. JM 683 1129 USB Mainsail (US Navy) no joy. REACH 40061 1243 USB Andrews (C-5B) pp "1st Squadron Ops". FRY(?) 1149 USB c1g Mainsail us 17976 w/Croughton: tri-graph tfc. Reach RCD 1158 USB Mainsail no joy (anyone knows who this is? Heard him fly to the middle east a few days ago, civil charter?). BH 30238 1218 USB Croughton (C-5A, 70-0465, IFOR) pp Ramstein PMSV wx ETAR, ETA (Rhein Main), EGU (Mildenhall), LERT (Rota) 1800. Ramstein is closed till at least 1500 due to freezing rain. Quid 07 1231 USB w/Incirlik + Croughton (KC-135) w/all frequency calls. Reach 59405 1320 USB Mainsail (C-141B, 65-9405) was LC overhere, Andrews answered, sent him to 15016, where he was almost unreadable. Reach 565VS 1608 USB Andrews pp McGuire CP: tailnr. 59405 (ahal!), etb 1915. pp PMSV, pirep: Ch141 fl310 5331n 5212w. DINKY 1433 USB Croughton Ops normal 1429, c/s spelled. IFO 61 1606 USB Ascension (IFOR a/c, USAF) pp req., nr. busy/no answer. AMC a/c 70019 (C-141B) 1140 USB Any (C-141B) ground maintenance radio check. NAVY 326 (EA-6 fm USA) 1130 USB w/Croughton pp 727-2540 (Rota): received nothing, believe it's an on-board the a/c crypto-problem, req call the carrier & tell them to come up on MGAD, have traffic to pass. Later MAGIC 56 (NATO NAEWF E-3A AWACS) checked in & asked if he could be of assistance: "we're in commis w/several US Navy ships", req he call "America": America relayed to come up UHF 368.9, 326 said he was unable, further commis via the ground station (Rota). I was under the impression the a/c was based at the America, as he referred to it as "our carrier" several times. I always wrote down "EP-3" when I heard someone c1g this number, it now seems there are other players using it as well. QUID 11 (KC-135) 1247 USB c1g Mainsail no joy. QUID 09 (KC-135) 1303 USB Incirlik making all frequency call. SHUCK 48 (E-3) 1304 USB wkg Croughton w/pp Raymond 24 (Tinker Command Post, 552nd ACW): req. status on our tanker request, adv timing is good for second tanker, ETA 2230, cancel the fuel stop at Bangor. Reach 62Z 1255 USB wkg Croughton, probably ETA 2662Z, heard probably ETA 2700Z as well, the last on UHF). IFO 10 (USAF IFOR Bosnia a/c) USB wkg Croughton pp PHANTOM re a PPR nr. for Brindisi, then asked for a freq for Brindisi ALCE (Airlift Control Element): they were given two HF freqs: 10.596 & 14.511 for c/s PROMENADE. I heard IFO 10 c1g PROMENADE a few minutes later on 10.596, he got no answer. Anyone heard any tcf on these two before? (BH) ADMP 2121 USB wkg Offutt pp w/RAIDER at 313-283-3284 ADMP mentioned this DSN as in Panama. [RAIDER is 1097th Trans Co, Rodman Naval Sta, Panama, ADMP logged monthly -RD] ADMP 2140 USB wkg BAYONNE GLOAL, ADMP wanted to try 3284. (EC1) [3284 is a new one for me -RD] RESIDENCE 2353 USB wkg Elmendorf re: freqs for station NIGHTWATCH. After a moment, Elmendorf replied that NIGHTWATCH would be monitor only for the next hour or a little more, & primary was X903, secondary X904. Cameraman 1945 USB wkg Nightwatch. (EG) IFO 67 2048 USB wkg Ascension pp. Rhein Main ACC: Reason for delay is heavy snow at LQTZ (Tuzla). ETA Rhein Main is 2230. REACH 68304 1845 USB wkg Croughton pp. EDAM PMSV -Req. wx for EDAR/2100z EGUN/2200z Pirep: 59.04n 12.30w. REACH 70025 0920 USB wkg Ascension Reg. wx EDAR/1200 Pirep: C-141, FL330 45n15w. REACH 90022 0941 USB wkg Croughton pp Ramstein CP, inbound ETAR/1200z C-5, 76.000 lbs, 3 rolling stock, 73 Pax, Quick turn to Lajes, crew rest at Lajes. Req. wx. ETAR arrival 1200z, departure 1600z, arrival Lajes 2100z Pirep:38.55n 42.58w FL310. (HW) BULL 78 1106 USB wkg RAMSTEIN
OPS via CROUGHTON. TEAL 44 1447 USB pp MIAMI MONITOR via MACDILL (WC-130). SAM 970 1430 USB wkg ANDY VIP qsyed to F064 (11.214). SAM 970 1432 USB wkg ANDY VIP qsyed to 6.715. IF 09 0811 USB wkg TAC CENTER via CROUGHTON Pilot gives airfield condition report from Tusla (must have been one of the first in). IF 012 1334 USB pp RAMSTEIN METRO via CROUGHTON (C-130). IF 082 0805 USB clg MAINSAIL - no joy. IF 048 1250 USB wkg INCIRLIK. IF 092 1250 USB pp RAMSEY(? via INCIRLIK Pilot says he's inbound to DELTA. (Is RAMSEY a cp for the Bosnian operation or RAMSTEIN? I heard clearly as RAMSEY and the pilot repeated it several times). FLASH 13 1312 USB wkg TALON OPS via CROUGHTON pilot gives ETA and also warns that they are carrying live weapons. BH 4085 1316 USB wkg FRANFURT METRO via CROUGHTON. ADMP 0954 USB clg BAYONNE - no joy. BLUE 13 1124 USB wkg RAMSTEIN CP via CROUGHTON. He's leading 6 F-16s as part of a RETRO mission and wants to land them at RAF LEUCHERS, Ramstein tells him to try ETNN or RAF CONINGSBY instead. BOOKSHELF 63 1507 USB wkg ALLYCAT via CROUGHTON. (JB) Hobby 71 1836 USB wkg Bayonne GHFRS. REACH 50242 1845 USB wkg Bayonne GHFRS. (JC2) MOGAS 45 KCh-? USAF (spelled) 1050 USB pp Mildenhall metro for wx 1200z & depart 1630z. Later also on 299.975 London mil. Sam? 676 1145 USB "Andrews says go to 365 (at 11059). [yes Sam= Special Air Mission, 11059 fairly popular hRD] Gold 91 KCh-? 1150 USB A/C very bad readable. ab't 087 going back to the Azores w/generator problems. Also something like "Slip 51 departs tomorrow at 0500z." Not sure about that though. Darkstar 1420 USB pp Chevy Ops, Ab't JTIDS ck & contacting Ops on SATCOM. posn boot of Italy. While checking out w/Global stated "Shuck 56 out." E-3 965 ACCS. IFO 10 (IFOR Bosnia) 1153 USB pp Phantom, freq's given to him were (p) 10596 & (s) 14511. Both being "Promenade". Shuck 49 1736 USB pp EUR DSN 329-4123 but live sucks, no joy. Doc unsure of the Base belonging to this tel nr? For sure it is in Germany, Geilenkirchen perhaps? IF16,12 0837 USB pp/w ? App freq Tuzla? UHF 351.8. Dep Aviano 1310 arr Ramstein 1510. Shell 92 KC-135 0908 USB pp/w USAFE metro Wx Rhiyad 1030Z. HERKY 646 0945 USB C-130 37AS "Herky 646" spelled HKY. pp/w Rhein, arrived 1013Z. DAWG 02 0927 USB pp/w Aviano metro Req Wx Vicenza 1030Z. Quid 07 KC135 100ARW 0930 USB pp/w IN metro for wx 1130Z. 13Degrees which is far better than over here. SAM 973 0935 USB Incirlik called him w/all freq/req & state freq. Nothing. Blue 61 KCh-? 0938 USB pp/w any metro, got Sigonella for 1240Z Wx Sig & 1545Z Rota, Spain. (JF) 2CM (Female opr) 1420 USB pp ALBROOK w/att pp to COMSUBLANT CWO. REACH 258 2011 USB clg MAINSAIL, raising MACDILL, but apparently not hearing MACDILL. REACH 258 had a very powerful carrier component to his signal. ASCENSION 0222 wkg GOLD 71, w/GOLD 71 ex ROTA & assisting an A-10 'flight,' NASA 931 2028 USB wkg MACDILL for a radio check. REACH 258 & ASCENSION w/pp w/gold ASCENSION/CHAKASSIA weak, & ent to DRRN ex someplace that sounded sorta like GOOY, but maybe some other G..Y location. GOPHER 64 1831 USB wkg MACDILL w/pp traffic (DSN 825). SAM 201 0401 USB wkg ASCENSION, trying to get ANDREWS freq (F267). (JH) BH30238 (C-5/Tai1#0465) 2215 USB pp to Dover Command Post & Metro, Mission: A30238365. (KS) NW01 1245 USB pp to Offutt Metro for wx in area at 1700. ADMW 1553 USB pp thru Albrook to RAIDER DSN 283 req freq to contact Christobal. Problem: Christobal on Atlantic side & ADMW is on Pacific side, contact Flamingo? (not sure how they resolved this one). DUKE ARCH 1259 USB clg NW01 for freq update, told Pri: P-381 & Sec: S-303 (5700 & 3295). ADMP 0051 USB clg Bayonne, reached Ascension at 0055 for pp to RAIDER w/status rpt. (ADMP very weak here). DIXIE 03 1533 USB pp thru Albrook to RAIDER DSN 283 req freq to contact Christobal. Problem: Christobal on Atlantic side & ADMW is on Pacific side, contact Flamingo? (not sure how they resolved this one). DUKE ARCH 1259 USB clg NW01 for freq update, told Pri: P-381 & Sec: S-303 (5700 & 3295). ADMP 0051 USB clg Bayonne, reached Ascension at 0055 for pp to RAIDER w/status rpt. (ADMP very weak here). DIXIE 03 1533 USB pp thru Albrook to Alabama ANG DSN 778 reached supply instead of Ops, Got through to Ops on 1-800-892-XXXX. looking to rendezvous with a group out of Meridian for training check ride. BOXER 94 1729 USB pp thru Albrook to BOXER Ops DSN 858. DOOM 86 1924 USB pp thru McClellan to Raymond 06 DSN 781 left IR (?) due to icing. NAVY JQ21 1936 USB pp thru Andrews to NAS Jax Base Ops DSN 942, took off late, arr Jax 2130 utc. (JQ21 transmitter problem, transmitting on 11175.3. DIXIE 02 2009 USB pp thru Albrook to a CP at DSN 778-XXXX. Poss Alabama ANG. REACH 60197 2103 USB pp thru Ascension to Rhein Main CP (this
followed a pp to Ramstein Metro) (MD) Offutt GHFS 1900 USB w/pp for GONZO 4 to LITTLE ROCK. BOXER 21 1912 USB clg Mainsail, Offutt ansrs, pp to BOXER OPS. Albrook GHFS 2022 USB w/pp for SAM 204, ANDREWS VIP, switched to 11126. Albrook GHFS 2031 USB w/pp for ADMO to RAIDER. Albrook GHFS 2035 USB w/pp for SHARK 28 to LITTLE ROCK, gives SITREP. Albrook GHFS 2035 USB w/pp for SHARK 33 to LITTLE ROCK, also to HOWARD METEO. Albrook GHFS 2109 USB w/pp for SHARK 29 to HOWARD METEO. OTIS 61 1927 USB req rdo ck, MacDill ansrs. Albrook GHFS 2045 USB w/pp for SHARK 33 to OFFUTT 88 to OAK OPS. SHADOW 12 1938 USB req rdo cks, Offutt is weak but readable. Ascension GHFS 1951 USB w/pp for REACH 90005 to WRIGHT PATTERN meteo. Albrook GHFS 1956 USB w/pp for SHARK 85 to LITTLE ROCK, SHARK 85 is Op's Normal, inbound to Bogata. Albrook GHFS 1958 USB w/pp for SHARK 21 to LITTLE ROCK, SHARK 21 to HOWARD METEO. Ascension GHFS 2005 USB w/pp for REACH 90005 to HILDA AMERICA, diverting to Wright-Pat due to wx. Offutt GHFS 2028 USB w/pp for HAVOC 42 to Norfolk Meteo. Andrews GHFS 1956 USB w/pp for REACH 60172 to Dover CP & Meteo. Gasser 252 2002 USB clg 'any station', rdo cks, nothing heard. Ascension GHFS 1913 USB w/pp for REACH 465 to Ramstein meteo. Offutt GHFS 1917 USB w/pp for SHARK 42 to DSN#. RARE COIN 1918 USB req BOOMTOWN to resend test. Albrook GHFS 2024 USB w/pp for SHARK 31 to RAYMOND 9 then Howard Meteo. (MF2) AIR EVAC 50266 1908 USB wkg Albrook. S4JG 1709 USB wkg Andrews w/radio ck. HOSTILE? 15 1712 USB wkg Andrews w/radio ck. DARK 10 1925 USB wkg Albrook w/pp to RAYMOND 37. DARK 19 1937 USB wkg Albrook w/pp's to RAYMOND 37 and DYESS meteo. NAVY CW370 1948 USB wkg MacDill w/pp for commercial #. NANNY 99 2017 USB wkg Andrews req authentication for entry into the net (Since when is 11175 a net?), at 2018 w/pp to RAYMOND 12, Andrews adv N 99 to go to 11181. ICER 61 2124 USB wkg Lajes. (MJ) U.S. Air Force IFO77 1333 USB on the ground at Zagreb LYZA, ETA LOSN Sarajevo 1231Z, pp w/USAFE Metro req wx for EDAF Rhein-Main 1700Z, then pp with Regional Air Mobility Command Center. U.S. Air Force IFO67 1310 USB wkg Croughton, standby at Zagreb. U.S. Navy Catbird 1324 USB VP3A Orion, wkg Croughton, pp to Navy Ops in Naples, re contact between Navy Ops & SPAR 89, which had no take place. U.S. Air Force King 82 1318 USB Search & Rescue a/c not on mission, wkg unid station, pp to Langley AFB Metro, req wx forecast for Langley 1430Z. U.S. Air Force BH30124 1343 USB presumed C141B, tail number 60177, departed 1256 & ETA Mildenhall 16.00Z, posn 42N50 11E53 (over Italy), pp to Hilda East & Metro. (MS) Navy 202 Heavy: 1910 USB clg any station, rdo cks, TURBO 96 answers. TURBO 96: 1902 USB wkg Offutt GHFS pp, McConnell CP (SHOCKER Control) w/EVA of 2130Z, 15 pax, 11 crew, need k-loader & customs. RAZORBACK 42: 1925 USB wkg Albrook GHFS for rdo cks. MUSIC 51: 1944 USB wkg Albrook GHFS for pp FURIOUS, gives tail as 91051, ETA W/42 px, A-1. ADMW: 1949 USB w/kg Malvern Hill (LCU-2025) clg Albrook GHFS, no Joy. (RB) RATTLE 21 1913 USB wkg Albrook GHFS for pp to 622h2610 ETA LERT 2020. (RC) DERRY 1505 USB wkg Croughton, "Ops Normal 03". Call-sign DERRY was spelled. KING 87 0025 USB wkg Ascension, several pp's & "COWBOY 22 will contact KING 87 on 233.575". DOOM 87 0100 USB wkg Ascension for pp. SHADOW 16 2237 USB wkg Ascension, pp to LOBO C/P. (RC) TEAL 44 1444 USB very long pp MIAMI MONITOR w/ MacDill to pass wx observations in coded format; SATCOM not working. RAZOR 03 1622 USB wkg Dover Billeting & Dover Transportation w/MacDill; stated EC-135 a/c ... last three of tail # are 518. ADMP 1406 USB wkg RAIDER v/Andrews, posn reported near Ft. Lauderdale. SHADOW 61 2238 USB wkg LOBO, Howard Metro v/Albrook; a/c asked that GREEN CLOVER be notified of 233SZ ETA Howard; this is a new program designator (?) for me. AGAR 29 0227 USB wkg Ascension, presently 533 miles to E of Ascension, ETA 0331Z; was told that AGAR 26 will hold for 29's arrival. Per WUN list, these a/c would be in support of a Titan launch of a Galaxy III comsat from KSC earlier this evening. BRAZILIAN AF 2466 1913 USB clg Andrews, no Joy. SHADOW 12 0201 USB wkg COYOTE OPS (58th SOW, Kirtland) at DSN 246-0143 v/offutt. Asked COYOTE to contact MOCCASIN 02 & ask if they could move ARCT at south end of 117 up to 1930Z (?); aborted low level sortie due to wx. Note that the COYOTE & MOCCASIN ## (58th SOW helos) calls have been in use for at least 1.5 years now; definitely static. SHADOW ## is AFSCC HC-130N/P COMBAT SHADOW a/c. FUZY 93 1411 USB wkg DSN
WUNhv02

238-2468/2470 Niagara Falls, NY v/Offutt; answered as FUZZY OPS.
This is apparently static call for C-130H a/c of AFRES 914th AW, Niagara Falls, NY.
PAT 936 1633 USB pp DSN 936h5261 Cheyenne, WY v/Offutt, no joy. This is first of these US Army Learjets I have heard in months.
PLUG 31 2025 USB pp 1-800-242-2694 Wilmington Sec. Police v/Offutt, no joy. This is first of these US Army Learjets I have heard in months.

This is apparently static call for Ch130H a/c of AFRES 914th AW, Niagara Falls, NY. PAT 936 1633 USB pp DSN 936h5261 Cheyenne, WY v/Offutt, no joy. This is first of these US Army Learjets I have heard in months.

This would be an MC-130 or HC-130; you can rarely walk around inside cargo bay of AC-130 gunships.

PLUG 31 2025 USB pp 1-800-242-2694 Wilmington Sec. Police v/Offutt, no joy. This is first of these US Army Learjets I have heard in months.

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11185  ADMO: 2111 USB USAV El Caney (LCU-2012), wkg Albrook GHFS w/pp RAIDER (Panama), re posn/status, cargo of 9 vehicles. (RB)

11199  Camspac wkg Xray 1 Echo on USB at 1752. Commsta Honolulu wkg X1E at 1743. X1E w posn rpt (2323.9N, 163.50W) to Commsta Honolulu. (RM) [First time I've seen a CG log here, 11199 is as 5693 & 8980 are to 5696 & 8983 -RD]

11212  MKL: RAF Edinburgh, G 2000 CW w/coded tfc. (PS) MKL: 1104 CW RAF Edinburgh, G w/wx & msgs "G9R G9R G9R de MKL MKL MKL O GR GR GR due G7V 3MA R3H R7Q Q17 = PP TAFS = EGOK 0903 21005 9999 FEW025 = "VVV de MKL ZNB". (PS2) MKL: CFL 9 says Pitreavie, Scotland 1012 CW meeto/wx then VVV DE MKL ZNB; went into RTTY 1013. (RH) [as Ary pointed out several issues ago, CFL is correct, MKL is RAF Pitreavie -RD]

11214  SAM 970 1431 USB wkg ANDY VIP (no joy). (JB)

11214  RAZOR 03 1709 USB wkg RAYMOND 24 on CHARLIE 6. VENUS 78 1550/1713 USB wkg Raymond 24 (Tinker AFB), at 1550 Raymond 24 set up a pp with SAM command. (JH) VENUS 78 1550 USB working Raymond 24 (Tinker AFB), at 1550 Raymond 24 set up a pp w/SAM command. (MJ) SENTRY 50: 2058 USB USAF E-3 AWACS wkg RAYMOND 24 w/op's msg. (RB) SAM 049 & 683 1723 USB pp SAM COMMAND v/ANDREWS VIP. Both a/c made arrangements w/ANDREWS VIP to come up this freq at 2100Z to make comms arrangements for next flight legs. At 2105Z, SAM 049 appeared to run pre-flight checks w/ANDREWS VIP; was told to use F117 (6993) primary, ran checks there. Also indicated two other a/c using F64 (6817). SAM 200 1902 USB pp Fleet Service at Andrews v/ Andrews VIP on "64" to order trash bags, Velamints, etc, ETA Andrews 3:45 PM. GONZO 04 2003 USB pp Scott AFB Ops Av576-1861 v/Trenton; passed ETA 2050Z w/10 crew; need 3000 lbs jet fuel; stated they were a CANFORCE a/c from Winnipeg. Jeff Haverlah & I spoke w/the crew of one of these (I can't recall the a/c type) long-nosed radar & navigation trainers at the Randolph AFB airshow back in May 1995. Trenton told the a/c to use 11232 pri/9007 sec. (RJL) GONZO 04 2009 USB w/pp via Trenton Military. Heard sign off, 9007 was given as secondary. (RR)

11217  NIGHTWATCH 01: 1722 USB wkg MacDill, sounded like practice comms for MacDill GHFS RO on Christmas Eve. (RB) AIREVAC 70004 1858 USB pp Andrews Metro v/ Bayonne after QSY de 11175. (RJL)

11217  DOD CAPE 0931 USB space shuttle launch comms, DOD CAPE just advised CLEARANCE 1, KING 1 & KING 3 that the launch is currently in a 3 minute hold, & then they'll commence a 5 minute countdown. (TT)

11220  SAM 27 1533 USB wkg ANDREWS to/with Langley AFB for wx ck (AD) NIGHTWATCH 01 1618 USB wkg SHERLOCK. SAM 29000 1925 USB wkg ANDREWS, w/suggested use of F917 (unk here.). 'something' (REDGULL or FRISCO or somesuch) 2028 USB clg NIGHTWATCH 01; EAM xmsn at 2043z (on the GHFS at 2045z). FIREBUG 1834 USB wkg NIGHTWATCH 01 in voice & data. FIREBUG 2003 USB wkg NIGHTWATCH 01 & clg NIGHTWATCH 01 and then calling RARE COIN, w/nothing heard on 9017. (JH) AIR FORCE ONE 1816 USB wkg Andrews w/comm ck. AF1 1942 USB wkg Andrews, req freq used by 28000..given 873. TOM THUMB 1816 USB wkg NW01 to join net, NW gives other stations in net & passes EAM to TT (DN35BR preamble). TORO 1825 USB wkg NW01 to join net. BLUESTONE 1759 USB clg NIGHTWATCH. SAM 29000 1855 USB wkg Andrews w/multiple pp's. (MJ) TROUT 99: 1549 USB wkg Andrews w/comm cks. (RB) SAM 26000 1904 USB pp USAFE Metro v/ Andrews VIP after QSY de 11175 following p/p v/ Andrews Global to Andrews VIP. SAM 202 had jumped in the middle of 26000's p/p on 11175 kHz; Andrews VOP was irritated and told 202 to go to F295 (11460) & STAY there! (RJL)

11226  Headdancer 0918 USB w/Lajes (EC-135K) pp V698-(-? control) req est t/o time for Blue 94: 1419Z. Tell them we'll be monitoring HF 6761. pp McConnel CP: req et t/o Blue 95: 1608Z, up on 6761. I was under the impression c/s Blue were tankers operating out of Mildenhall, seems not to be the case anymore. (BH) SAM 204 2035 USB wkg ANDREWS. ANDREWS 1900 USB wkg VENUS 78 & VENUS 79 w/various pp's. VENUS 78 1825 USB multiple pp's w/ANDREWS. VENUS 78 Id'ed as a C-135 enrt to Hunter Army Airfield eta 1930z w/20 pax on board. VENUS 78 1839 wkg ANDREWS w/pp to HUNTER OPS. Also on freq, VENUS 79 wkg ANDREWS. (JH) Andrews 1900 USB wkg VENUS 78 & VENUS 79. (JJ) Andrews
1853 USB wkg VENUS 78 & 79, can anyone ID this call? (MF2) [89th AW SAM a/c on training mission -RD] VENUS 78 1825 USB made multiple pp's w/Andrews. VENUS 78 ID'ed as C-135 enrt to Hunter Army Airfield eta 1930z w/20 pax on board. (MJ) VENUS 78: 2007 USB wkg Andrews w/pp SAM command re departed 2004, ETA in blocks 2138z. (RB) SAM 204 2050 USB pp SAM COMMAND w/Andrews VIP. LQA bursts heard here just after pp ended. (RJL)

DAIRYMAID 2007 USB wkg NIGHTWATCH 01. At 2015 on 9057, DAIRYMAID goes through challenge process to exit the net with NIGHTWATCH 01. (JH)

REACH 5024 0019 USB to RAAF Darwin w/wx for Alice Springs air port. This a/c is the weekly re supply of the Pine Gap "spy base" & is a C-141 or C-5 a/c. (SB)

NEUTHAWK 7 1655 USB w/in-the-clear and ANDVT comm's w/one id'ing as VENUS 7 (or at least sounds like VENUS 7 - he's weak so it might not be VENUS; but it does involve '7'). VENUS 7 1644 USB w/very weak clear voice & ANDVT comm's w/NEUTHAWK 7. WUN lurker (thanks) advised that VENUS 70 also active at same time period on 6717 w/ANDREWS/SAM COMMAND stuff. (JH)

Dizzy 99 1210 USB wkg ?. (JF) IAF 001 0717 USB att get wx info, worked ANDREWS here, QSY to 8968; worked ANDREWS; raise LAJES; & LAJES moved him to 6739. SAM 049 1725 USB wkg ANDREWS. MCCLELLAN 1327 USB as lead station with 151.5/- character EAM: DNSSN. Then at 1415, MCCLELLAN as lead station with 74/- character EAM DNTZXN. OFFUTT 1506 USB as lead station w/heavy 30 minute EAM activity between 1500z/1530z: 1506z (20 characters); 1510z (FOR REGION CHARLIE - 20 characters); 1518z (20 characters); 1522z (26 characters). RAZOR 03 1704 USB wkg ANDREWS w/pp to RAYMOND 24, w/comms involving RAZOR 01. At 1706z, RAZOR 03 and RAYMOND 24 moved to CHARLIE SIX, where they tried to continue the conversation (11214). At 1715z, back up on 11244 w/pp to RAZOR 01 (excellent circuit). LOST TIME 1756 USB wkg MACDILL: getting working freqs for NIGHTWATCH 01 (MACDILL said X903 & P301 - presumably P381); & placing a pp to DSN 339 number id'd as VO4 OPCON w/immediate traffic of nine 3-element groups. OVERSLEEP 1850 USB calls MAINSAIL, raises MACDILL, pp is placed to common DSN 339 number (VO4 OPCON) where the chatter involves BOOMTOWN and direct comms with BOOMTOWN on CHARLIE ALPHA. OVERSLEEP completes the patch & quits the freq. SUMMARIZE 1706 USB periodically clg WGY912 on 11244 which SUMMARIZE is id'ing as FOXTROT 26. (No activity is being heard on 10493.0 which is shown in directories as F26). POSTBED 1605 USB OFFUTT looking for NIGHTWATCH working freqs: X903 & X904. WHEATIES 2034 USB clg MAINSAIL; NIGHTWATCH 01; and MAINSAIL again. At 2117z, WHEATIES raises THULE. ANDREWS 1846 USB as lead GHFS station, w/78-character EAM (DNZRMU...). At 1926z 'something' 29 (could not make out call) working OFFUTT, passing 3-element groups/timestamp/authorization. (JH) GIN SOUR 2134 wkg Thule, Thule gives primary P383 & confirms YELLOW. CLAYBIRD 1820 USB wkg OFFUTT on 11244 at 1820 w/pp to DSN 271 1806, a station called OVERFLY (or OVERFLIGHT). DSN 271 is exchange for Offutt AFB. (MJ) CLAYBIRD: 1822 USB wkg Offutt GHFS w/pp OVERDRIVE at STRATCOM for comms test. TESTI 29: 1910 USB clg Main sail, Albrook answers, gives them an op's normal to be relayed to Offutt & authenticates. Offutt comes up to adv they copied the tcf direct. (RB) OSCAR 91 1725 USB to Oscar control, short traffic. (RR) WHEATIES 2032 USB clg Main sail, no contact, then called NIGHTWATCH 01, no contact, "Be advised nothing heard, out." (RR)

Ascot 1819 USB "any receiving station this is 'something' 004" (too weak to make out the call), twice and gone. (JH)

ASCOT 5930 1357 USB wkg ARCHITECT re destination ENGM. Selcal AH-KM ASCOT 9303 1503 USB wkg ARCHITECT re Depart LIC @ 1300 DIAG'13,10. Est EGVN @ 17:20 DIAG'17,30. Selcal EF-AJ. IFB 15 1558 USB Cyprus (IFOR a/c, CAF) went to 13 mags & lost contact. ASCOT 3415 (Tristar) 1148 USB clg Architect no joy. RRR 3414 was in Africa a day before, same a/c? (BH) ASCOT 3221 (LM-BX) 1435 USB wkg VIPer R. FALKLAND IS. rpting ETO SS 1635 and ETA Ascension 2100 (FLF) [Fabio mentions that this is a Brazilian Air Force tactical freq, and it is the first time he has heard the RAF using it!] ASCOT 4080 1000 USB clg unid stn req 25,000 lbs of fuel. ASCOT 5266 0548 USB QSL'd wfx for Larnaka & Akrotiri by EE. male op. SELCAL AH-GJ. (RR)

SAM 27000 2308 USB wkg Andrews w/comm ck. (MJ)
13200 Reach Z 1135 USB Croughton (C-5B, 85-0003) pp Mildenhall AMCC: C-5, ABA2G8 mission, tailnr. 50003, etb 1405, A3 for HF radio - sounded if he was under water :) - next destination Lajes, req if any outbound cargo. pp PMSV wx EGUN 1400, EGPK (Prestwick) 1500, ETAR (Ramstein) 1600. (BH) Gold 13 1152 USB pp EGUN metro for wx ETAR, ETAD, EGUL and EGUN. (JF) WHEATIES 2119 USB wkpg THULE w/pp to common DSN 339 number (OPCON.) (JH) WHEATIES 2126 USB w/"OP CON". (RR)

13211 SAM 681 1726 USB wkpg Andrews, at 1933 reports airborne. SAM 204 1934 USB wkpg Andrews. GIN SOUR 2122 USB clg NW01 no joy. TORO 1828 USB wkpg NW01 checking secondary. (MJ) TROUT 99 2012 USB pp DISPATCH (Edwards AFB) v/ Andrews VIP. (RJL)

13242 KUDZU 08 1718 USB pp LOBO via Albrook after QSY de 15016; flight of three C-130s to Howard w/ CORONET OAK personnel. I have since confirmed this is a static call for one of the Georgia C-130 units; most probably the AFRES 94th AW at Dobbins ARB, Marietta, GA. (RJL)

13248 AF1 1944 USB wkpg SAM 28000, reg go to Nationwide (415.7). (MJ)

14441.5 NNNOCOG: 1645 USB USS Enterprise (CVNh65 (MARS Sta) clg ASSMS wbeam heading of E. NNNOCYU: 1724 USB USCGC Vigilant (WMEC-617), MARS Sta, clg ASSMS, NNNOEZ answers, QSY to 14470. NNNOCUB: 1746 USB USS Arthur W. Radford (DD-968), MARS station aboard this Spruance-class destroyer, att to work private shore station NNNOHLQ in Texas, no joy. NNNOCV: 1800 USB USS Carl Vinson (CVN-70), MARS Sta, clg ASSMS wbeam heading of SW, no joy. NNNOCOP: 1802 USB Unid USN ship (MARS) clg ASSMS wbeam heading of S/SE. ID? NNNOCOL: 1803 USB Unid USN ship (MARS) Larry, wkng NNNOJZ, Jims in Independence, MO, w/QSY to 14463.5 for pp tcf. NNNOCWY: 1803 USB USS Carl Vinson (CVN-70), MARS Sta, att to work NNNOERA, private shore sta, no joy. NNNONHO: 1810 USB Unid wkng NNNOBMV (private shore sta), w/rdo ck, QSY 14391.5 pp tcf. NNNOCXG: 1814 USB USS O'Bannon (DD-987) MARS Sta, clg ASSMS, NNNOHLO (TX) answers, QSY to 14474 for pp tcf. NNNOCBS: 2010 USB USCGC Durable (WMEC-628), MARS Sta, clg ASSMS, wbeam heading of S. NNNONXL: 2101 USB USS Ashland (LSDh48) MARS Sta, att to work NNNOMP, MCB Camp Pendleton, Ca, no joy, MPN clg any afloat unit. NNNOCZJ: 2115 USB USS Arkansas (CGNh41) MARS Sta, clg ASSMS no joy. (RB)

14615 REACH 40643 1037 USB wkpg Ascension pp KWRI CP: ETA KWRI 1550z, A.1. (HW)

15016 Unid 1851 USB wkpg Bayonne GHFRS, rdo ck X2. (JC) BH30264 1220 USB Wx ETAF pp Hilda tail 70041. Had troubles in Flamboro track. Pos tanker was Fl am.West while he waited Flam. East, little mistake. At same time logged at UHF A/R freq 299.5. Gold 71 KC-10 0815 USB pp/r Wx ETAF for Wx LERT 1550, LETO 1550 & LICZ 1320. (JF) Albrook GHFS 1930 USB w/pp for KING 82 to KING OPS. Albrook GHFS 2113 USB w/pp for ADMP to RAIDER for posn report. Andrews 1935 USB w/pp for REACH 76165 to a DSN # at McGuire. MacDill GHFS 2006 USB w/pp for JAYHAWK II to DSN#. (MC) JHAWK II was unlikely JAYJAWK II -RDL GIN SOUR 2125 USB wkpg Ascension, reg frcs for NW01. At 2132 Ascension came back and told GIN SOUR that one of his transmitters just "kicked off" & he needs to get it up before he can work w/him. GS says that he will try another station. REACH 60023 1627 USB wkpg Andrews w/pp to Dover CP. (MJ)

HORSE 95: 1953 USB C-130 wkpg Ascension GHFS w/pp TACC-America, Ascension adv to standby for 'Hilda America', ID's as a C-130 flying Rossie Roads to NAS Norfolk. (RB) BH403: 1300 USB wkpg Croughton, on Ground Gander. ETD 1500Z [USAF Bosnia Flight]. (RC) GIS 1916 USB pp group 2 OPS (at 804) 887-7383 Norfork VA) V/Bayonne. GIS Ided as Lt.Cmndr. w/watch TEAM ONE deployed Port Everglades, "demonstrating comms activity". GOLD 91 1436 USB pp Lajes Metro v/ Lajes; Ided as KC-135 a/c 255 mi NW of Lajes. SAM 787 1408 USB pp Andrews Metro v/ Lajes to rqst Andrews wx for 2300Z tomorrow (??) (RJL)

15034 Edmonton Met 1325 USB wx for Edmonton, Abbotsford, Gander, Halifax, Shearwater, etc. (RC)

15041 WAR46 2038 USB wkpg NIGHTWATCH 01 (unheard here.). (JH)

15043 FIREBUG 1856 USB wkpg MACDILL for voice and unsuccessful data xmsns. Moved here from 11175; 11181; & 13242. Mention of 'northwest quadrant' & the 'omni antenna.' During MACDILL's data xmsn (but not voice), there was a telco noise artifact on the signal. And the data signals were qrm'd by apparent ALE pulses. (JH)

15912 Irish Military to Lebanon 1236 USB pp to Peace Keeping troops. Later
WUN-hv02

16034 4XZ: ISR NAVY HAIIFA, ISR 0637 CW QO DE 4XZ & msgs encrypted. (EW)
16246 CAPE RADIO 1956 USB ARIA 2, ARIA CONTROL. (MJ)
17976 Offutt GHFS 1924 USB w/pp for REACH 60147 to McCOUD METEO. (MF2)
17992 OUTFACE 2107 USB c1g NIGHTWATCH 01, hearing nothing, & gone. (JH)

ALL OTHER SSB/AM/CW/ & MISCELLANEOUS MYSTERIOUS STATIONS=

66.7 RBU: Moscow TS, RUS 1800 AM TS (still alive; audible w/ferrite rod antenna after nulling out strong mil stns) (KB)
205 XZ: 0735 wana, ONT, Can. (BH2)
206 QI: 2041 Yarmouth, NS, Can. (BH2)
213 YRC: 0700 St. Honore, PQ, Can. (BH2)
219 YMG: 0722 Manitouwadge, ONT, Can. (BH2) (JL2)
221 HM: 0715 Hamilton, ONT, Can. (BH2) Unid beacon FB. (JL2)
224 QM: 0711 Moncton, NB, Can. (BH2) Unid beacon YYW. (JL2)
228 BA: 0704 westfield, MA. (BH2)
230 GP: 0653 Gaspe, PQ, Can. (BH2)
233 CN: 0650 Nakina, ONT, Can. (BH2)
235 CN: 0628 Cochrane, ONT, Can. (BH2)
239 FE: 0725 Forestville, PQ, Can. (BH2)
241 HF: 0420 Hearst, ONT, Can. (BH2)
242 YMY: 0635 Ear Falls, ONT, Can. (BH2)
247 YDP: 0620 Nain, NF, Can. (BH2)
248 HZP: ZIONSVILLE, IN, USA 1651 CW w/ID. (AE)
250 YTJ: 0410 Terrace Bay, ONT, Can. UAC: 0711 Poste Montagnais, PQ, Can. (BH2) Unid beacon YTJ. (JL2)
252 Unid beacon YTF. (JL2)
253 YTF: 0418 Alma, PQ, Can. (BH2)
254 Unid beacon 5B. (JL2)
256 UNV: 0522 Nuevas, Cuba. (BH2)
258 ZSJ: 0602 Sandy Lake, ONT, Can. (BH2)
259 YLP: 0639 Mingan, PQ, Can. (BH2)
263 F: IQALUIT, NWT, CAN 1932 CW w/ID. GGP: LOGANSPORT, IN, USA 1935 CW w/ID. (AE)
264 IN: INDIANAPOLIS, IN, USA 1051 CW w/ID. (AE)
265 SXD: 0701 Springfield, VT. (BH2) Unid beacon XPZ. (JL2)
266 B: 0702 Hamilton, ONT, Can. (BH2)
270 EZM: 0651 Eastman, GA. (BH2)
275 R1: 0443 Thetford Mines, PQ, Can. (BH2)
276 YEL: 0446 Elliot Lake, ONT, Can. (BH2)
278 FKR: FRANKFORT, OH, USA 1149 CW w/ID. (AE)
280 QX: 0555 Gandeuf, NF, Can. (BH2)
281 L1: 0606 Montreal, PQ, Can. (LIMA). (BH2) Unid beacon DTI. (JL2)
291 PQ: 0618 Amos, PQ, Can. (BH2)
293 QWI: 0654 Heber Springs, AR. (BH2)
300 YOG: 0338 Ogaki Post, ONT, Can. UGT: 0336 Guantanamo, Cuba. (BH2)
304 F: 0649 Moncton, NB, Can. (BH2)
305 YQ: 0650 Churchill, MAN, Can. (BH2)
312 Unid beacon UUU. (JL2)
313 YQ: 0650 Churchill, MAN, Can. (BH2)
339 103288 YOG: 0338 Ogaki Post, ONT, Can. UGT: 0336 Guantanamo, Cuba. (BH2)
339 103288 YOG: 0338 Ogaki Post, ONT, Can. UGT: 0336 Guantanamo, Cuba. (BH2)
344 F: 0649 Moncton, NB, Can. (BH2)
345 YQ: 0650 Churchill, MAN, Can. (BH2)
346 F: 0649 Moncton, NB, Can. (BH2)
347 Z8: 0139 Riviere Ouette, PQ, Can. (BH2)
349 FV: Unid 1159 CW w/ID. (AE) APG: 1920 Aberdeen, MD. (BH2)
350 D7: 0215 Kincardine, ONT, Can. (BH2)
351 FOA: 0716 Flora, IL. (BH2)
354 Z: 0420 Sept Isles, PQ, Can. (BH2)
355 YNP: 0246 webequie, ONT, Can. (BH2)
356 AY: 0428 St. Anthony, NF, Can. YBG: 0548 Bagotville, PQ, Can. (BH2)
WUNhv02

1700.7 CPA: CW unid NDB or new MEDFER(?), any ID? (MH)

2008.5 UNID. [K4HH] 2023 CW "NIAN de K4HH qsa?" in slow cw. "NIAN de K4HH aa ?" (Dw)

2331 Unid "AUU" repeated over & over in CW 0443 Fair signal. (DHM)

2500 WWHH: AM 0800 Fort Collins, time pips & voice. Unusually good reception on this low frequency (AW)

2652.9 Unid: 2350 CW Endless 5LG's, going on for over 3 hours! (AB)

3175 SLHFB [V] 2225 CW Single letter [V] HF beacon. (DH)

3417 ART2: 0202 USB brokenhEE YL rptg "Alfa Romeo Tango Two". (PS2)

3595 UNID. [TENV] 2225 CW Some v's then "QXI8 D92Q NW3Q de TENV qtc ar" twice then "703 9810020 703 = 135 AAAAA DDDDD MZZZA AAMMM BBBDD DUUUG GGZZZ HIWBU UJZBG CVTSU" etc uses accentuated letters. Slow morse 18's (DW)

4456 UNID. [APFN] 2319 CW Offline encryption (5ltr grps inc accentuated ltrs). 18wpm. ends"= 867 k". Opr exchanges with REEZ, WHLW. (DW)

5301 OLX: 1958 CW unid w/marker, at 1900Z 5F msgs. (PS2) [MOI Prague, CZE]

5312 UNID. [FLTG] 0723 CW Calls "TS4I de FLTG k" then "r k" "DG6W de FLTG" "r k" "JTTR de FLTG k" "rpt". Other side of qso's not hrd. (Dw)

5647.2 Unid: 1104 USB "BFR7 DE 4XML" repeated over like on a loop. (RH)

6797 Numbers station 0759 DSB Female repeating Attention 13084 in SS, then 13084...150 several times starting at 0801Z, followed by 5-digit groups. Finale 3 times & ended at 0812Z. Signal was peaking at 20dB over 9. (TT)

6941 ZOLK: 1042 CW unid "OUZT de ZOLK QSY 66T48" rptd. (PS2)

7335 OTTAWA TS (CHU) 2257 USB Time signal pips at +1000hz. Alternate EE/FF voice announcements. At 31-40s tone hurt at +2000-2300hz. (Dw)

7490 Unid: 1157 LSB Indonesian tfc w/Male ops. Mention of Jakarta. Very busy chnl w/several c/c. WJCR almost inaudible.Regular net, often USB when Russian feeder is absent. (RH)

7500 V5N33 (Walvis Bay Radio, Namibia) USB w pp for remote land stations (farms, 4x4 vehicle's, etc.) into the Namibian telephone network. (PC)

7543.5 Unid network in Portuguese language, presumably in Mozambique, but Angola also possible. Doing "roll-calls" around 0500 UTC, w/"Papa-Mike" being the controlling station. (PC)

7545 Truck network operating in all of South Africa & Namibia (USB). These trucks do not belong to a company, but are privately owned by the drivers. Most are of refrigerator type. Many load fish in Luderitz or Walvis Bay, Namibia, & deliver in South Africa. The network is most active after 0500 UTC; most traffic in Afrikaans. (PC)

7790 Huge net in SS 1440 USB heard. (RM)

7811 ZOLK: 1042 CW unid "OUZT de ZOLK QSY 66T48" rptd. (PS2)

7947 Unid: 1659 LSB Indonesian tfc w/Male ops. Mention of Jakarta. Very busy chnl w/several c/c. WJCR almost inaudible. Regular net, often USB when Russian feeder is absent. (RH)

8605 Unid: 1118 USB tfc in CC dialect. Simplex Network. Can hear noise of engine in background on one of the stns. so evidently M/M. 1122 "Bibi Happy New Year" and then they all went QRT. (RH)

8976 Unid: 1144 LSB tfc in SS, sounds like a bulletin w/M/A. 2nd stn. much weaker.1147 QRT. (RH)

8988 Unid: 1137 USB tfc in SS. Male Ops. Ends queries w/Kapitan. Some overs end w/"cambio". They have rather raspy voices, some w/rather agitated tones. Female voice heard well down in QRN. (RH)

10493 WGY912 1603 USB wkg WGY910 w/comm ck. WGY918 1605 USB wkg WGY912 w/comm ck, WGY912 then calls numerous stations with no joy. WGY912 1616 USB wkg WGY918 w/comm ck QSY F34. WGY910 1700 USB wkg WGY 912...910 is shutting down operations due to high wind warning. They are turning antennas into the wind. 910 will keep one radio on freq for emergencies. LIMA ZERO FOXTROT 1703 USB wkg WGY912 w/comm ck. (MJ)

11099.9 Unid: 1055 USB tfc in JJ dialect as "Maru" mentioned several times. Very raspy voice. "Hai...Hai" Sounds like JJ but endings different. Korea mentioned twice but definitely not KK spoken. (RH)

11270 Unid 1126 USB man reading letters, very poor signal, hrd Juliet Golf Kilo, etc. (EW) [Russian Man Numbers Station -RD]

12168.8 Unid: 1159 LSB tfc in CC dialect. Both males. One op seems to have
second rx running in background w/CW. (RH)

12216 WGY912 1622 USB wkg WGY918 to set up 4-wire (full duplex) circuit. 918 was to use F34 as rx & F50 as tx. It took a while to get the circuit in operation. 912 then had 918 patch a phone call onto the circuit w/mixed results. (MJ)

12885.6 Unid: GULF WEATHER??? 1920 CW w/ID. (AE)

14650 Unid: LSB tfc in either JJ/KK, QSO starts off with singing then going into speech, unusual QSO. Can copy only one side of QSO. (RH)

14890 Unid: 1024 USB Numbers in unid lang. (EW)

15016 Unid: 0857 USB tfc in UNID Asian language, one male & one young person. Simplex. Could possibly be Indochinese LL. Male op is stronger while pronounced QSB on younger person, cannot tell if male or female. Could be family communicating. Finally QRT 0915. (RH)

15708 WGY 918 1627 USB transmitting above to 912. (MJ)

16230 Unid: 0916 USB telephone call in unid lang. (EW)

16270 Unid: 0913 USB telephone call in SS, (EW)


18000 Unid: 1105 USB YL rpts three words, too weak to ID. (EW) [Nancy Adam Susan Numbers station w/1100 sked to BEC RD]

Contributors: (please mail me if you wish added info from that listed)

(A) Ary Boender, Spykenisse, The Netherlands
(B) Art Blair, Orangevale, Ca, USA (by mail): NRD-515, M-7000
(B) Andrew Brill, Auckland, New Zealand
(A) Anthony Drake, Norwich, England: Trio R600
(A) Andrew Everhart, Carmel, In, USA
(A) Alex Wellner, Sydney, Australia: Kenwood R5000
(B) Bart Hoeckstra, Leeuwarden, The Netherlands: Lowe HF-225
(B) Bob Hamilton, Long Island, NY, USA: Drake R8
(B) Brian Stevenson, Australia
(B) Bert van Rij, Naaldwijk, The Netherlands
(C) Charlie Chenely, Auckland, NZ
(C) Craig Mackinnon, Halifax, NS, Canada: Yaesu FRG-7
(D) Dick Dillman, San Francisco, Ca, USA: R390A, Alden 517
(D) Delta Hotel, Kent, England: AOR3000, Icom R71A, IOR7000
(D) Don Moore, Davenport, Iowa, USA: Drake R8A
(D) Don Moore, DX'ing in Zion, Pa, USA: Drake R8A
(D) David McCrery, Atlanta, GA, USA: Kenwood R1000
(D) Day Watson, Clevedon, UK
(E) E. Cisar (aka 7), Biloxi, MS, USA: Realistic DX390
(ED) Ed Deasy,Charlottesville, VA, USA: Hoka Code 3
(EG) Edward Griffin, S.Francisco, CA, USA: Drake R8, ATS803A, AOR8000, R7100/R1
(E) Eddy Waters, Collinswood, Australia: NRD 525, R8, Hoka Code 3
(FL) Fabio Luis Fonseca, Gravatai, RS, Brazil (by mail): Sony 2010
(GD) Guy Denman, Portsmouth, UK: NRDS25, FRG100, Hoka Code 3, PK232
(H) Henk Stelte, Utrecht, Holland
(HW) Hans Wildschut, Zutphen, the Netherlands: Lowe HF225 with 12m wire
(JB) John Burtenshaw, POOLE, Dorset, UK: FRG-100
(JC2) Joseph Cirone, Bayonne, NJ, USA
(JC4) John Charlton, Greymouth, NZ
(JEB) Jason Berri, Torrance, CA: R-2000, M-1000
(JF) Jos Frielsing, Zwolle, Holland: Lowe HF250
(JH) Jeff Haverlah, Houston, TX, USA: R5000/R7/FROG7/RFB65
(JJ) Jeff Jones, CA, USA
(JJJ2) Jan Janssen, The Netherlands
(JJR) Jim Richards, Auburn Hills, MI, USA: FRG100
(JK) James Kilgallen, Sanlucar de Barrameda, Spain
(JL2) Jim Lane
(JM) Jack Metcalfe, Danville, Ky, USA
(JP) Jim Pogue, Memphis, TN, USA: R-2000, Sony 2010
Abbreviations Used

// Parallel with Frequency pp Phone Patch
5FG's 5 Figure Groups PP Polish language
5LG's 5 Letter Groups R/T Radiotelephone (ship/shore fone)
a/c Aircraft rdo radio
ARP AIREP or Air Report re Reference/Regards
ck Check req Request
cud Could RR Russian language
dep Departed SAR Search & Rescue
dx duplex sta Station
ee En route tfc Traffic
enrt En route tg's Telegrams
f female ttx telex
FF French language tx telex
GG German language unid Unidentified
hrd Heard unk Unknown
m male vsl Vessel
msg Message w/ with
MIB Maritime Info Broadcast wkg Working
nx News wx Weather
posn Position

=END=

============================================================================
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\\\ An Electronic Club Dealing Exclusively in Utility Stations ///
\\\ Vol. 2, No.02   February 1996                //\\\
============================================================================
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If you have problems with this, contact Rick Baker at: utelistner@msn.com or ae411@yfn.ysu.edu

That's all it takes. There are no dues. A paper copy of the WUN Club newsletter can be obtained via our WUN publisher, Tim Braun, at WUN International HQ, P.O. Box 16533, Washington D.C. 22041-6533, USA, for the costs of printing & mailing at a rate of U.S.$1.50 per issue.

* Welcome to another issue of the single largest source of utility station information and the most quoted utility publication in the world...the WUN Newsletter.

**WHAT'S INSIDE:**
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- Utility Round-up by Ary Boender
- The WUN Logs Column by R.D. Baker & Team LOGS

* * *

**MEMBERSHIP NEWS**

Mike Wolfson, Membership Director
mwolfson@bright.net

Over the last month the club has received a large number of new members. Since I prepared the January column, 81 people have signed up on the WUN listserv giving us a total of 570 members on that list. For WUNNEWS, we went from 167 members to 181 and WUN-DIGEST went from 30 to 40 members.

For awhile, I've been curious to know how many discrete members we had so I created one all inclusive database of everyone's email address. When I removed duplicate addresses, I ended up with 791 discrete entries. There is always the possibility that some members are receiving the lists at different addresses, but this exercise shows that we have around 800 members. We have at least 30 members getting the paper edition and at least 30 to 40 members on various BBS's. These are impressive statistics.

The number of countries represented in WUN has decreased by 1 to 25. I have also been interested in information about how many members we had from each country, so I looked at the addresses of the members on the WUN list. I was not able to identify the country of origin for every address because a fair number of people get on through one of the large international access providers (COMUSERVE etc.). Of the addresses I could identify, I was able to compile the following list: US 322, Canada 19, UK 59, Netherlands 17.
Australia 17, New Zealand 5, Italy 12, France 1, Norway 3, Belgium 3, Japan 3, Germany 20, Tunisia 1, Taiwan 1, Switzerland 3, Ireland 4, Luxembourg 1, Sweden 8, Portugal 1, Peru 2, South Africa 1, Finland 1, Brazil 3, Great Britain 1, Greece 1. I haven't done the same thing for the other lists, but feel that the same pattern would be found on them as well.

I would like to again thank those of you who have taken the time to respond to the membership survey request. For anyone who has not sent me their information, but wants to here is how to do it. The database management program I'm using can accept ASCII text. I am requesting that you answer each question on a separate line followed by a carriage return. Please do not include the question itself in the answer, just the information requested.

Here is the survey:
E-Mail Address
Name
Where you're located (state/Province, Country)
Main receiver(s)
Main decoding equipment (HOKA, JVFAKX, etc)
Monitoring interests (aero, marine, etc)

Finally, I will be attending the Winter Shortwave Listener's Festival held in Kulpsville, Pa. this year and have been asked to give a short overview about utility listening and the Worldwide UTE News Club.

That covers things January. Good listening to all. Mike

===========================================================================
INTERNATIONAL CIVIL AERO
Editor: Tony Orr, 11404 Turnmill Lane, Reston, Va, 22091-3618 USA
E-mail: anthony.orr@wdn.com or a.camus@ix.netcom.com
Fidonet: 1:109/236
Co-Editor: Peter Ivakitsch, 803 Widdicombe Hill Boulevard, Weston,
Ontario, CANADA M9R 4B3 E-mail:peter.ivakitsch@westonia.com
Fidonet: 1:250/930

Welcome my friends to another edition of International Civil Aero! Thanks to this month's contributors Win de Mol, Fabio Luis Fonseca, Graham Tanner, and Sir Thompson's Gazelle, we have a great deal of information to pass along this month. Let's get on with it then shall we?

SELCAL CORNER-Vic Gubbins

Hello WUNpersons- welcome to the FEBRUARY SELCAL CORNER and we'll start here this month by solving a few mysteries from last months list (a big thanks to Sir Thompson's Gazelle, Graham Tanner, Win De Mol, T.M.Himself, DH and Fenton Cheddry for helping with these) before we get on with this months' news:

First of all, we now have those darned USN C20s checked-out:
163691       BKAP
163692       BKCP
165093       BRHM
165094       CHMR
165151       HQJR
165152       HQKR
165153       HQLR
V11          EGDS This is actually a USCG one.

and those December's mysteries we've managed to solve.....
ELAJ      ATN 659        L1011     ChFTNC
"Air TRANSAT (TSC) not "Air Transport (ATN)"
ELGM      MEA 2003      A310 PH-AGC
could be "Jet Express 29" unidentified
FMKS      FDX 29

* TIE-UP REQUEST CORNER * (If anyone has any selscals that need tie-ups,
**MYSTERIES OUTSTANDING FOR JANUARY**

ANY help with the following, WUNpersons, will be greatly appreciated.

**NEW SELCALs FOR FEBRUARY**

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**Page 110**
And that's your lot! Please help me with this section each month by sending me your lists/updates and queries via Anthony Orrs' e-mail address above (I should be on "the 'Net" myself within the next few months so that should make life easier for me). Next month, I will start a section containing new Biz-Jet selcals for those of you that are that way inclined. So, until then, go get em! And once you've got 'em, send 'em to me! 73s.................Vic

========================================================================

AIRLINE NEWS-Tony Orr and Peter Ivakitsch

========================================================================

SWISSAIR will commence new ZRH-EWR service effective March 1. Word has it that A310's will ply the new SR104/SR105 flights. PAKISTAN INTERNATIONAL has now switched to the A310 on its JFK-AMS-JFK services: PK713 AMS-JFK on Mondays departs 1145 and arrives 1400, and the return PK714 dep 2145 and arr 1100+. PK723 operates AMS-JFK Thursdays departing and arriving at the same time, as does the return PK724 JFK-AMS. I overlooked another airline's I1-62 Trans-Atlantic services, those of UKRAINE INTERNATIONAL. 6U flight 103 operates Fridays/Sundays departing Kiev 0815 and arriving JFK 1215, the return trip 6U flight 104 departs JFK 1430 and arrives back in old Kiev at 0650+. There is also service from ORD to Lvov, 6U flight 106 departs ORD on Thursdays at 1755 arriving Lvov 1155+. TOWER AIR is now operating flights to Sao Paulo from JFK and MIA:

FF72 GRU-MIA Thurs/Sat dep 0030 arr 0630
FF73 MIA-GRU Tues/Thurs dep 2215 arr 0820+
FF60 GRU-MIA Sundays dep 2330 arr 0540+
FF61 MIA-GRU Saturdays dep 2315 arr 0920+
FF60 GRU-JFK wed/Fri dep 2330 arr 0705+
FF61 JFK-GRU Tues/Thurs dep 2130 arr 0920+

CANADIAN AIRLINES INTERNATIONAL also operates to Sao Paulo from Toronto, CP100 is daily except Mon/Wed departing YYZ 2000 and arr GRU 0900+. CP101 operates daily except Tues/Thurs departing GRU 2310 and arr YYZ 0629+ with 767-300ER equipment. NORTHWEST will begin Detroit-Beijing service effective May 1. TWA has applied for JFK-Frankfurt authority, no startup date has been announced. USAir is hoping to begin a Philadelphia-Munich route and has asked for the route authority. You'll probably be hearing more World flights over theoggin sometime in May as the airline will begin JFK-Belfast, EWR-Belfast, LAX-Belfast-Shannon. LAX-Glasgow, and San Juan-Manchester services. In Pacific news, ASIANA has begun twice-weekly service from SEL-SYD, OZ603 operates Tuesdays SEL-SYD departing 1810 arr SYD 0610+ with the same schedule. Return nonstop's include OZ602 SYD-SEL on Fridays, departing 2115 arriving SYD 0645+, and OZ604 Cairns-SEL departing 2230 and arriving Seoul 0605+ on Tuesdays.

AEROLINEAS ARGENTINAS currently operates 747's across the Pacific to Auckland from Rio Gallegos, on Wednesdays/Sundays AR1882 departs 1600 and arrives AKL 1850+, AR1880 on Fridays departing 0700 and arriving 0950+. The return segments operate nonstop Auckland-EZE 1600, AR1881 departs AKL on 2105 and arrives EZE 1645 on Saturdays. MALAYSIAN is now operating the A330 into Europe! MH30 flies the Kuala Lumpur-Dubai-Istanbul-Madrid route departing KUL at 2130 and arriving MAD at 0825+ on Tuesdays/Fridays, the return MH31 departs Madrid at 0945 with intermediate stops in Istanbul, Dubai, then on to Kuala Lumpur departing Dubai at 2235 and arriving Kuala Lumpur at 0930+ on Wednesdays and Saturdays. Another interesting service from MALAYSIAN sneaks quietly along one of the most southerly routes in the world, namely their MD11 service from Kuala Lumpur to Buenos Aires. The flights in question operate KUL-JNB-CPT-EZE and KUL-JNB-CPT and return. MH202 operates Wednesdays and Sundays departing Buenos Aires at 2050. The flight arrives Cape Town at 0945+, then departs JNB at 1400 arriving KUL at
0615+1. MH204 flies the CPT-JNB-KUL route on Saturdays departing JNB 1400 and arriving Kuala Lumpur at 0615+1. MH201 Kuala Lumpur-Johannesburg departs KUL 0040 and arrives JNB 0520 on Wednesdays, and on Sundays the departure time is 0105 and arrival at JNB is at 0545. MH203 operates on Saturdays departing KUL 0105 and arriving JNB at 0545. The continuing MH201 CPT-EZE service departs CPT at 0945 and arrives Buenos Aires at 1430 on Wednesdays, and departs CPT at 1010 arriving EZE 1445 on Saturdays.

Those ultra-longhaul experts SOUTH AFRICAN AIRWAYS (callsign Springbok) operate a number of interesting flights across their own version of an oggin, the Indian Ocean, with the following schedule:

<table>
<thead>
<tr>
<th>Flight</th>
<th>Departure</th>
<th>Arrival</th>
<th>Equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>BKK-JNB</td>
<td>SA297</td>
<td>Wednesdays</td>
<td>dep 0130 arr 0735</td>
</tr>
<tr>
<td>BOM-JNB</td>
<td>SA152</td>
<td>Tuesdays</td>
<td>dep 0255 arr 0815</td>
</tr>
<tr>
<td>BOM-JNB</td>
<td>SA285</td>
<td>Saturdays</td>
<td>dep 1300 arr 1820</td>
</tr>
<tr>
<td>HKG-JNB</td>
<td>SA287</td>
<td>Saturdays</td>
<td>dep 2300 arr 0545+1</td>
</tr>
<tr>
<td>PER-JNB</td>
<td>SA281</td>
<td>Tuesdays/Fridays</td>
<td>dep 0050 arr 0540</td>
</tr>
<tr>
<td>SIN-JNB</td>
<td>SA283</td>
<td>Thursdays/Saturdays</td>
<td>dep 0100 arr 0635</td>
</tr>
<tr>
<td>SIN-JNB</td>
<td>SA288</td>
<td>Sundays</td>
<td>dep 1425 arr 1910</td>
</tr>
<tr>
<td>JNB-BKK</td>
<td>SA296</td>
<td>Mondays</td>
<td>dep 1545 arr 0725+1</td>
</tr>
<tr>
<td>JNB-BKK</td>
<td>SA288</td>
<td>Saturdays</td>
<td>dep 1700 arr 0900+1</td>
</tr>
<tr>
<td>JNB-BOM</td>
<td>SA284</td>
<td>Fridays</td>
<td>dep 2120 arr 0930+1</td>
</tr>
<tr>
<td>JNB-HKG</td>
<td>SA286</td>
<td>Fridays</td>
<td>dep 1245 arr 0800+1</td>
</tr>
<tr>
<td>JNB-PER</td>
<td>SA280</td>
<td>Wednesdays/Sundays</td>
<td>dep 1950 arr 1105+1</td>
</tr>
<tr>
<td>JNB-SIN</td>
<td>SA282</td>
<td>Tuesdays/Thursdays</td>
<td>dep 1930 arr 1135+1</td>
</tr>
</tbody>
</table>

Please keep in mind that all the above times are in local time not UTC.

And finally, From Fabio Luis Fonseca comes the following news from Brazil:

LEBANON's MIDDLE EAST AIRLINES (MEA) began service from BEIRUT to BRAZIL via Abidjan, COTE D'IVOIRE on 27 December. ME666 departs Beirut at 1515 UTC Thursdays and arrives SAO PAULO's Guarulhos International (GRU) at 0715 UTC Fridays. ME667 departs GRU 0040 UTC Saturdays with ETA BEY 1715 UTC.

LAUDA ITALY (LDI) fly to RECIFE every Thursday with B767-300ERS and ETA REC is 1700 UTC. Flight routing is Vienna-Milan-Recife and the flight numbers are LDI971 and the return LD1972. AIR EUROPE (Italy) (AEL) operates 767-300ERS Milan-Fortaleza-Salvador on Fridays. TEA SWITZERLAND operates the Zurich-Las Palmas-Recife route with 737-300 or -400 equipment on Mondays and Thursdays.

TRANS-BRASIL is currently wet-Leasing an EVERGREEN INTERNATIONAL with the following schedule: TBA950 Saturdays Sao Paulo (GRU)-Manaus-Miami-JFK departing GRU 0400 and arriving Miami 1400. TBA951 Mondays is the return departing JFK 1000 and arriving GRU 0200 UTC. TBA952 GRU-Manaus-JFK departing 0500 arriving 1630 on Tuesdays, and TBA953 the return departing JFK at 1000 and arriving GRU at 2300 on Fridays. TBA954 on Thursdays GRU-Miami-JFK departs Sao Paulo at 0400 and arrives Miami at 1200, the return TBA955 on Wednesdays departs Miami 1230 and arrives GRU 2330 UTC.

This month's timely DX tip is brought to you once again by the ever intrepid Wim de Mol:

Wim reports that 8909 is a possibility at and around 1500 UTC for regional Indian traffic and ground stations such as Madurai, Trivandrum, Hyderabad, Madras, Bombay and Bangalore being among the stations identified so far.

With that we close yet another edition of International Civil Aero. Thanks to everyone who took the time out to contribute this month, thank you for all the comments and questions, and if you do have anything you'd like to send our way, why not do it today? Next month I'll undertake a survey of current activity heard on the AFI-4 MWARA frequency of 8903 so send in those contributions today! From the entire International Civil Aero Team, we'll see you next month, from Reston and Weston, 73 and good DX!
This new section is here to deal with requests for help and information to and from WUN members. This column is for you to ask questions; to locate others with similar interests (even non-HF like SatCom or VHF aero); to locate or sell equipment; to ask about receiver problems, or to just ask about anything. If you have a question to ask then ask it via this new section.

Send your requests to: colin.goodall@sspd1.co.uk. Or by mail to C.F.Goodall, Stoneway, Hazleton, Gloucestershire, GL54 4EB, UK.

1. FOLLOW UP TO PREVIOUS NEWSLETTERS

The request from John in London for info on those unid digital's has brought forth the following.

FROM: Guy Denman (denman@aladdin.co.uk)

I have been listening for the mystery stations mentioned in the Jan Newsletter, Part 1 page 19 but could not hear any of the frequencies active. But this afternoon, Thursday 1 February at 1400 on 11156 I heard a station with RTTY at 75 Baud 500 Shift, the text is below, does anyone know what it is. Regards Guy

MOM MOMODPTTYMOJEX LI DA YAZLIQIX NA LELEKSNAAOA PTATKA CECEROVIE DIOGBVHETXSN: | -0 : } :8{24 , - 5323(.-5- 0) -5(- : 3.34=85- 8987 MOJEX LI DA RAZLIQIX NA TELEKSNATA PLATKA CENEROVITE DIOID? OSIURREN SI, QE SW ZDRAVI MOM DA POMISLY MOXN LI DA PRZMZRIX S MULTICET DALI IDVA UPRAVLENIE NA LBPRORON S NEOBHODIMATA POLYNOST XAZ TI GOVORY NA SAMATA TELEKSNA PLATKA SEGA OTIVAM DA TI VZEMA IZVODITE MOM AS

SEGA, ZA DA SMENIX KANALITE - B DA STANE A, A A DA STANE B:

TRYBVA V KONFIG.SIS DA SMENIX REDA NA ADRESITE NA TLH-9.SIS PSE AS M OK? MTVV

NV FA{LA NV FA}{LA NV FA}{LA CQOCCCCCC 1. VWV FA}{LA CONFIG.SYS YN KAGEHTO E TLX-.SYS OWRNI ADRESITE - PWRVO 0208, A SLED TOVA 0200. S TOVA SI OBWRNAL KANALITE LOGIQED. 2. 9 PINOVIYT KUPLUNG E /DO SEGA: 1 +/- RX A 2 +/- RX A 6 / TX A / TX A
4 /+ RX B 5 /- RX B 82)0 TX B 9 TX B

FFFFFFTRTN OK

ZVTTMICI OK PSE ZRR 300 PSE ZRR 300 PSE ZRR 300 OK? OK? OK? OK? MOLY? MOLY? MOLY? TUK MI IZLEZE ZRY-TO TI TUK MI IZLEZE ZRY-TO TI TUK MI IZLEZE ZRY-TO TI SMENI LI SI KONFIG.SISA SMENI LI SI KONFIG.SISA A SMENI LI SI I KUPLUNGA T.E. SMENI LI SI 6 I 7 SWS 9 I AMI MINI NA DOR I RABOTI SAMO PO B KANAL AMI MINI NA DOR I RABOTI SAMO M BNKANAL AMI MINI NA DOR I RABOTI SAMO PWNWL OK? 1 1/3?CL AMI AMI NA DOR I RABOTI SAMO PO B KANAL QPQXOMWOK TO TMV QOXAKO TI E IGZORYL 1 CENEROV DIOD NYMA DA IMAX PRIEMANE AKO TI E IGZORYL 1 CENEROV DIOD NYMA DA IMAX PRIEMANE TOVA TI PO-DOBRE OT MEN MOJEX DA PRECENEX E OK KOKO GB 73/88 SK

Anybody out there know what this is. It could be encrypted or just a
2. SATELLITE QUESTIONS

I had a very nice e-mail from Alfie in Northern Ireland concerning help he requires on the reception of INMARSAT. He presently has a 2 metre steerable dish and wants to add a feedhorn for reception of Inmarsat. Anyone able to tell Alfie (and the rest of us) where to obtain this together with a 1500MHz RF amplifier. Address and telephone number of persons or shops who are likely to have such things with a price guide would be welcomed by Alfie. Possibly, Alfie says, he would like to have a go at building the feedhorn if anyone out there can supply dimensions etc. Is there anyone else in the UK monitoring INMARSAT either with a dish or using YAGIs? Alfie and I would be interested to know. (Actually anyone in the world doing this would be a help if they could give us details).

Alfie can be contacted direct at: alfie@portrush.demon.co.uk or of course via this column.

3. NOISE AND THINGS THAT GO BUMP IN THE NIGHT

I had the following e-mail from Jeff Williams who, poor chap, seems to be having a bad time - can we help him out of the mess?

FROM: Jeff Williams <jeffw@mxim.com>
O.K. after having made the heinous sin of posting my questions on the listerver, I respectfully submit them here. (All is forgiven Jeff. Ed) I am getting a significant amount of harmonic, radiating noise, which when isolated with the use of an a.m. portable radio, turns out to be coming from my electric meter outside along the wall. Unfortunately, this turns out to be 3 ft. from my nightstand where my FRGh8800 resides. I now sub reference a question about the FRG-8800; specifically, how is it perceived out there among UTE listeners? I love it, but wanna know if it's in the pack, out front, or an overpriced dog....

Back to the scheduled programming: Eventually I will run coax up to a wire antenna of some sort on the roof, thereby probably eliminating most noise from the offending meter, but the fact that the meter is so noisy indicates interference somewhere, and this really should be corrected if at all possible... I had the PGE (our local electric utility) man go do a check, and he claims more noise from my neighbors house. He also says since both of us are on the same xformer (on the ground as we have underground wiring), his noise can be conducted through my wiring and show up at the meter. The noise dissipates QUICKLY when coming from my meter and doesn't really show up when planting the a.m. radio next to outlets in the house.

I got a suggestion from a listervee that if there is looseness between the meter base and the metal conduit leading up to it, that there could possibly be a non-linear junction, leading to radiated noise.... Upon cursory inspection the connection is tight.... So I think I know what my steps I should take are. By the way I have no florescent lights, no touch lamps, no dimmers, and no overhead fans or motors running aside from the electric meter, and no SCRs in use.

1) Turn off my power in the panel inside the garage and see if the noise in the meter goes away. This would isolate the problem to my house.
2) If it doesn't go away, sleuth around my neighbors and find the offending house. If it's the neighbor I think it is, I'll have no problem in bribing the fellow out of using rf-polluting touch lamps, dimmers, etc.
3) Perhaps cover the meter with a conducting metallic enclosure. It was suggested that the wiring of, let's say, chicken wire, would radiate as well, but I suggest that a mesh less than lambda/500 wouldn't do so! Has this approach been tried and found effective by anyone?

It should be noted that I know of no neighbors with neon lights, there are no nearby transmitters of any sort of the communication variety, and I'm not near any major plants (well, Intel is about 1.5 miles away....)
Next topic. I would like to run coax to the roof and connect to a longwire, or perhaps a trapped dipole/inverted vee tuned to popular ute bands...What is a good balun method, and can one set up an antenna tuner to handle this setup, and if so, where might I find plans for one? I have several Miller 365 pF variable (air) caps to use, and would be glad to do so.....Thanks very much for your time... Sincerely, Jeff Williams

Thanks Jeff for your letter; OK WUNNERS can we help ??

4. UNIDENTIFIED RASPING
**************************************

Member John Burtenshaw posted the following, anybody got any clues?
FROM: jburtens@bournemouth.ac.uk
On 11175 I've been hearing a rough, rasping sounding signal which appears every couple of days and stays for about a hour. It sounds like a very bad CW signal but I cannot seem to resolve it. The S-meter on my FRG-100 swings from 1 to 7 when it is received so it must A) be very strong or B) close to Southern England. Anyone got any ideas what it could be.
73 de John G1HOK John Burtenshaw
Postal Address: Talbot Campus, Fern Barrow, POOLE, Dorset, BH12 5BB U.K.
Internet: jburtens@bournemouth.ac.uk Phone:01202 595089 Fax:01202 513293
AX.25: g1hok@gb7bnm.#45.gbr.eu. AMPRnet: g1hok.ampr.org. (44.131.17.82)
CompuServe: 100336.3113@compserve.com

AND THEN DAVID SENT THIS:-
FROM: David Moisan <dmoisan@shore.net>
I wonder if it's a cousin to the signal I used to hear on 11176 (before the change to 11175): A low tone, then a 'staircase' series of *very* low, if not sub-audible, tones, then a beep, then carrier drop.
Dave Moisan, N1KGH moisan@shore.net
86 Essex #204 n1kg@amsat.org
Salem MA 01970

Answers to us all I should think........

5. FREQUENCIES WANTED
**************************
The following was on the WUN list (here is the best place for it).
OK you digital wizards let's be having you.
FROM: Steve Kusterer <spk@ntw.ssg-reston.tandem.com>
Hi all,
I'm just beginning to listen to utility stations. I have a radio (Satellit 700) that doesn't lend itself to 'scanning' stations easily. I have seen numerous lists of utility freqs of various types. Most of these lists are too complete for the beginner. A list of 50-60 freqs of a specific type is overwhelming. What I would like to request would be for people to send their top 10 (or so) utility stations for the new utility listener. Ideally, I would wind up with a list containing 'the best' freqs of the various types (SAR, AIR, NAVY, etc). I listen from near Washington, D.C., USA, but hopefully that doesn't matter too much.
Thanks... Steve Kusterer kusterer_stephen@tandem.com
Tandem Computers Inc. spk@ntw.ssg-reston.tandem.com

Help needed here for a new listener; send your top 10 list direct or better still send it to me here so everyone can benefit; we could then make up a master list which can be obtained by anyone using ftp or www.

And with that it brings us to the end of another program, let's have your comments/answers/questions and hopefully someone will provide all the info......

Till next time, Colin.
Thanks to Mike Chace, Jan Janssen, Stan Skalsky, Edgar White, Day Watson, Peter and several other WUNnies, I have a long DR for you with lots of military stuff. Enjoy! Please, note my new e-mail address. -Ary-

Diplo corner
-----------

Today we start with a new monthly item, the DIPLO CORNER. Following my request for messages, freqs and info, I received a load of info from Roberto Robba, Mike Chace and Day Watson. The item that I have chosen to start with comes from Day and covers the Norwegian diplo stations. Thanks guys! Next month we'll cover Bulgaria.

MFA Oslo 2/Feb/96 NORWAY

==================================
Transmission modes used:
TWINPLEX 100Bd N F7B-1 -400/-200/+200/+400 [S7/400Hz]
Word Interleaved. Erect

Logged frequencies:
6961.9 9081.9 9274.9 12123.9 13495.9 16073.9 18487.9 19807.9
21893.9 kHz

Reported frequencies:
9179 9327.9 13388 15974 16103.9 16129 16277 16284.9
18445.5 18476.8 19827 20029 21852.8 21859 21892.5 23180.8 kHz

Watch out! Frequency guides erroneously list Danish diplo as Norwegian diplo. The 'reported freqs' originate from frequency guides and may be incorrect (-Ary-)

Notes on operation: language: Norwegian // Single freq ops. // Uses online encryption with p/l header

Reported selcals for parent MFA/Embassies:

<table>
<thead>
<tr>
<th>Selcal</th>
<th>Location</th>
<th>Selcal</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>KCKZ</td>
<td></td>
<td>KDMT</td>
<td>MFA Oslo</td>
</tr>
<tr>
<td>KFCB</td>
<td>Dhaka</td>
<td>KFCD</td>
<td>Windhoek</td>
</tr>
<tr>
<td>KFCI</td>
<td>Gaberone</td>
<td>KFCT</td>
<td>MFA Oslo</td>
</tr>
<tr>
<td>KFKR</td>
<td></td>
<td>KFKT</td>
<td>MFA Oslo</td>
</tr>
<tr>
<td>KFKU</td>
<td>Tel Aviv</td>
<td>KFME</td>
<td>Dar es Salaam</td>
</tr>
<tr>
<td>KFMI</td>
<td>Lagos</td>
<td>KFMO</td>
<td>Maputo</td>
</tr>
<tr>
<td>KFMT</td>
<td>Dakar</td>
<td>KFPD</td>
<td></td>
</tr>
<tr>
<td>KFPE</td>
<td></td>
<td>KFPR</td>
<td></td>
</tr>
<tr>
<td>KFPU</td>
<td>Abidjan</td>
<td>KFPZ</td>
<td>collective call from MFA ??</td>
</tr>
</tbody>
</table>

| KFQB   |          | KFQD   | Ankara? |
| KFQE   | Bangkok  | KFQI   | Lusaka |
| KFQR   |          | KFY0   | Kiev? |

2/Jan/93 NORWAY

Dictionary:
-----------

dato            date
haster          urgent
i               in
Noramb          Norwegian ambassador
Noreg           MFA Oslo
Norsk Ambassade Norwegian embassy
pressekontoret  press office
prioritet       priority
utenriksdepartement MFA Oslo
dagens          todays

Sample message formats:
Example #1 - Norwegian p/l message to the Norwegian embassy in Beirut.

-------------------------------------

cccccc
ambassaden i beirut, p.t m damaskus 16.12.92

ikke ville finne sted før langt inn i 1995. men konsekvensene av 'rydde-jobben' under ef-toppmøtet i helgen, gjør at tidsplanen kan bli fremskyndet. dette er i alle fall en hypotese begge ef-r-anisasjonene nå innretter seg etter.

etc etc etc etc

Example #2 - Norwegian p/l diplo press summary

det kgl. utenriksdepartement, oslo

preseskontoret
tellxytt nr. 243/92 oew/-

dato: 15. desember 1992

forlikt: ost og melk billigere (aftenposten/ntb)
pris paa melk og ost blir lavere. det er klart etter at arbeiderpartiet og sentrumspartiene kom til enighet sent i gaar kveld. dermed er krisepakken for næringslivet sikret frertall i stortinget. arbeidsgiveravgiften blir redusert med 2,4 prosent eller ca. fem milliarder kroner. den blir dekket inn av en momsøkning paa 2 prosent. sentrumspartiene har faatt en garanti om at det i merverdiavgiftsloven lovfestes en momskompensasjon for melk og ost, slik at den reelle avgiftssatsen etter fradrag av kompensasjonen tilsvarer 15 prosent. i forliket er de tre partiene blitt enige om a.a.frite kraftkrevende industri, treforedling og vekthveltnaeringen for elavgift, slik regjeringen foreslo. de tre partiene som ikke er med paa aarets budsjetforlik, hoyre

Example #3 - Chatty p/l calls

Callup procedure in Sitor A. Selcal KFQE is the embassy in Bangkok.

kfqeqekfkmfkmfkmfkmfkmfkmfkmfkmfkmfkmfkmfkmfkmfkmfkmfkmfkmfkmf
kfkmfkmfkmfkmfkmfkmfkmfkmfkmfkmfkmfkmfkmfkmfkmfkmfkmfkmf

hallo i bangkok boerge her med dagens news noe andre veien?

(Hello in Bangkok. Starting (here) with todays news and some other issues)

=?fint her komm~er sakene ha en fin morgen naar dere kommer paa~jobb
(Fine. Here it comes (sakene=things/issues). Have a nice morning when you arrive on your work (or just "have a nice day")

Comms in Bosnia

All parties seem to use Pactor for their communications. Here some characteristics of the various nets.

o The maximum speed used is 200bd instead of the 'normal' 300bd.

o Active freqs are between 4000 and 5000 kHz by daylight and between 2800 and 4000 kHz at night. There are no fixed freqs.

o All frequencies end with .7 or .8 (eg 3436.7 or 6543.8)

o 7Plus is often used.

o The nets have a control unit who runs a Pactor-BBS and a couple of other stations who use this BBS to retrieve or send files to each other.

o The callup is standard procedure: ABCD de EFGH etc.

o Callsigns consist of 4 or 5 characters of which max. 2 of those...
characters are digits, but only in 5 character callsigns.
eg: AL7D, A3LL, AGH0 or C7HGO, M0KL4, 088BN

Needless to say that there are also voice, RTTY and even some Packet
transmissions.

Lots of Pactor stations use on-line encryption after a string of 4
hexadecimal characters and 'XI'.

Digital Round-up

0 300bd Packet

There is an mystery net from N.Africa (possibly terrorists) on 14576.7
kHz with an alternative channel when conditions aren't good, on 13576.7
kHz. Addresses used are now 701 and 761 (761 usually sends). They appear
to have stopped using 7Plus coding and are now sending stuff to a bog
standard Kantronics TNC-based BBS with subjects always headed "SINGLE
LINE ENCRYPTED". They were copied messing up the frequency the other
day, and they came up on USB voice a few hundred Hz up.

Several WUNnies copied this unid station on 6821 kHz with 75bd/850
Baudot transmissions. Unid? Not really, it's the Turkish Navy in
Ankara. Their Route Indicator is RTBDJ. This is the complete message:

vzzczc
rtyrryrryrryryrryryr
rtyrryrryryryryryr
rtyryrryrryryryr
1234567890
test test test test
bt

nnnn

0 Military stations. The number of military stations from Eastern Europe
is increasing lately. Here a few examples:

3017.7 50bd RTTY 375Hz shift: KVNX transmitting from Bulgaria
3321.65 50bd RTTY 243Hz shift: 9RTD transmitting from the Czech Rep.
(also on 3370.5, 3390.8, 3393.3 kHz)
3312.6 50bd RTTY 254Hz shift: 9RTS transmitting from the Czech Rep.
4989  LSB: Polish Army, letter groups.
5046  LSB: "TAMBURA-20" Polish Army, letter & number groups
5113.9 50 bd RTTY 300Hz shift: AQ65 Polish Army Brest.
5430 50bd RTTY 491Hz shift: EUH-20 transmitting from Lowice Poland.
5797 50bd RTTY 850Hz shift: CM3L Bulgarian Army net.

IRC or UNHCR in Chechenya transmitted this message. Heavy QRM garbled it.

~~~ ~~~ theq~~~were-explosions in severa;~~~n-other places~l-cs-d~~ ~ around
townru but no-o-y-ne-ms to locate-the exact places ..0-we ll ~heck....
--msf. was f~~in-blocked at the cp... no clear~~reason..
no-internal securitri-s~~ay-problems
b.vedi-o~~~~~/ ~little fighting around verratoys22/1 ~~mbim~~ar~~~d verratoys~
an~~tsa ve~,.~~:~8~.8&' bo-b haaaa~~oy
25/2 ~~~~~~~~[~~~~~j elistanger
2~/1~~~~~~~& tsa~ved.bridge~
the-road to market~ is open again.
paid of the populatio of ~~~f~ comming back.

0 Bruno Haineault announced on WUN a test of the Clover-2000 system which
Globe Wireless intends to use in the near future. Here is some info about
the system.

The two stations are us (DATRON WORLD COMMUNICATIONS INC., Escondido
California, Grid location: DM13kc) and HAL communications, Urbana, Ill).

For your logs, here is the info on our station:

Callsign : KA2XZD  (yes, it looks like a "ham" call, but it is not)
DATRON location : Escondido, California [DM13kc]
Transceiver : TW7000 @ 100 W PEP
Frequency : 11.0776 MHZ USB
Antenna : SABRE 16-element LPDA (6.2-30 MHz) @ 65' pointed 62 degr.
Modem: HAL CLOVER-2000 "Beta" (highly modified PCI-4000/M)
Network software: DTS 3.0 "Beta" (from EURAF)
Opr mode: CLOVER-2000 (8-tone both phase & amplitude modulated
within 2KHz, FRACTAL data compression. Max bit-rate is
3000 bps).
Possible modes: BPSM, QPSM, 8PSM, 8P2A, 16P4A with "auto-throttling"
(adaptable speed & format... we were mostly alternating
between BPSM, QPSM, 8PSM and 8P2A... a few bursts at
16P4A)

SOU. Edgar White copied SOUD when they messed up:
14724.5 clg BAR: SOUD link 00116 1515 Baudot 75/500 Tfc 3/210
10422.3 clg BAR: SOUD link 00116 1524 Baudot 75/500 Tfc 3/210
This link id, frequency and schedule is normally used for calling BPA.
Now BAR was called instead of BPA.
He also copied a sked for SPK (link id 00168)
QWK QDG FM 14/01 TO NEXT QWK
FM 00.00 TO 12.00 QSW 9144/7884/13451
FM 12.00 TO 24.00 QSW 19827/16218/13451

French Prefectures have been noted in Sitor A/B on 5164.4 kHz.

British military
A while ago Peter posted a logging of British military VFT sending
airfield information and notams in ARQ-M2 on 4501 and other freqs.
The airfield info was usually interspersed with "de RUD", although
it was also logged with id "de LIN". It was suggested that RUD might
be Rudloe Manor, a military comms centre. "The Royal Air Force - A
Pocket Guide" lists 3 RAF comms centres; Boddington, Lingholm and
Rudloe Manor. So it looks like LIN is Lingholm. Keep an eye open
for BOD now!

Routing Indicators........ again........

------------------------
It appears that the routing indicator stuff intrigues a lotta people.
Most of the 'things to know' appeared already in previous columns
except for the AIGs and priority codes. So here we go:

An AIG is an Address Indicator Group who represents a fixed number of
addresses and is used to send a message to more then 10 units. This
looks like this: RFXCG AIG 153. The system knows which units are pre-
defined in group 153 and will direct the message directly to the addres-
ees. Sometimes the recipient of the message is mentioned with its SIC
(Service Identification Code). In the following example SIC 'SVC' is
used. SVC means 'service' and is the code of the ComCen (communications
center) and is used for messages between two ComCens.

Finally the priority codes for the delivery of a message:
R = Routine, delivery within 12 hours
P = Urgent, delivery within 6 hours
O = Directly, delivery within 2 hours
Z = Flash, delivery within 1 hour
No code = delivery within 24 hours

Example:
OO RFFVAY
DE RFFBBYZ
291010 Z FEB 1996
SIC SVC

Irish military stations
------------------------

During the past year, I reported several times about the Irish military
stations. Several WUNnies monitored those stations intensively and it
is now time for a major update. I'd like to thank all of them for their
contributions. Additions and comments are most welcome.
### Callsign(s) / Selcal(s) / Station(s)

<table>
<thead>
<tr>
<th>Callsign</th>
<th>Selcal</th>
<th>Station</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>PT0A</td>
<td>XSFC</td>
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<tr>
<td>0A</td>
<td>PT0A</td>
<td>Army HQ</td>
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<td>12</td>
<td>PT13</td>
<td>CVVA</td>
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<td>13</td>
<td>PT14</td>
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<td>PT16</td>
<td>EIYS</td>
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<td>20</td>
<td>PT20</td>
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</tr>
<tr>
<td>21</td>
<td>PT21</td>
<td>QE</td>
</tr>
<tr>
<td>24</td>
<td>PT24</td>
<td>CVVZ</td>
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<tr>
<td>26</td>
<td>PT26</td>
<td>CVVO</td>
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<tr>
<td>32</td>
<td>PT32</td>
<td>S32</td>
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<tr>
<td>35</td>
<td>PT35</td>
<td>EIYV</td>
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<td>37</td>
<td>PT37</td>
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<td>46</td>
<td>PT46</td>
<td>CVVI</td>
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<td>47</td>
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<td>48</td>
<td>PT48</td>
<td>CVXT</td>
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<td>54</td>
<td>PT54</td>
<td>CVVT</td>
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<td>55</td>
<td>PT55</td>
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<td>57</td>
<td>PT57</td>
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<td>PT58</td>
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<td>86</td>
<td>PT86</td>
<td>CVVR</td>
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<td>PT97</td>
<td>CVVZ</td>
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<td>97</td>
<td>PT99</td>
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<td>PT-WQ</td>
<td>XSFM</td>
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<tr>
<td>C253</td>
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**Other, so far unlinked, callsigns and selcals:** 3, 11, 25, 27, 42, 51, 56, 60, 66, 67, 69, 71, 76, 80, 81, 90, 93, 98, M65, CKJK, CVVB, CVVU, XVVQ, CVVP.

The patrol vessels and the corvette share selcals. Three of these vessels typically form a detachment from Monday to Friday and are then relieved by a new group of three ships. So far it seems that selcals CVVZ, CVVI and CVVO are used by vessel PT26, part of detachment 8 and CVVO, CVVZ and XVVX are used by vessel PT32, part of detachment 1. Selcals XVVX, CVVT and CVVD are used by vessel PT54, part of detachment 1.

**Message origins and abbreviations**

<table>
<thead>
<tr>
<th>Message Origin</th>
<th>Abbreviation</th>
<th>Description</th>
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<tbody>
<tr>
<td>75924 DFBH EI</td>
<td>ACTU</td>
<td>Acting commander, task unit</td>
</tr>
<tr>
<td>91444 CAFO EI</td>
<td>AER RIANTA</td>
<td>MRCC Shannon</td>
</tr>
<tr>
<td>33128 CAFO EI</td>
<td>COL CKD</td>
<td>Commanding Official Checked</td>
</tr>
<tr>
<td>57524 COMCEN CURRAGH</td>
<td>COMCEN CURRAGH</td>
<td>Communications Center, Curragh</td>
</tr>
<tr>
<td>57524 COMCEN EAST</td>
<td>COMCEN EAST</td>
<td>Communications Center East, Shannon</td>
</tr>
<tr>
<td>57524 COMCEN WEST</td>
<td>COMCEN WEST</td>
<td>Communications Center West</td>
</tr>
<tr>
<td>57524 COMCEN SOUTH</td>
<td>COMCEN SOUTH</td>
<td>Communications Center South, Haulbowline</td>
</tr>
<tr>
<td>57524 COMCEN CTC</td>
<td>COMCEN CTC</td>
<td>Communications Centre CTC</td>
</tr>
<tr>
<td>57524 DFHQ</td>
<td>DFHQ</td>
<td>Duty Office of the Defense HQ in Dublin</td>
</tr>
<tr>
<td>57524 DIG</td>
<td>DIG</td>
<td>Delivery Indicator Group</td>
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<tr>
<td>57524 DKD</td>
<td>DKD</td>
<td>?</td>
</tr>
<tr>
<td>57524 FLO</td>
<td>FLO</td>
<td>Administration matters</td>
</tr>
<tr>
<td>57524 HGS</td>
<td>HGS</td>
<td>Inmarsat reference</td>
</tr>
<tr>
<td>57524 HLG</td>
<td>HLG</td>
<td>?</td>
</tr>
</tbody>
</table>

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Ireland has various transmitter sites who may be used by the military as well. There is an aerial farm at Newmarket on Fergus, which is used by the government, Shanwick aircontrol and probably also by Shannon Air. Another site is at Ballygreen, which is used by Shanwick for the HF voice comms for the North Atlantic tracks. Valenta and Malin Head coast stations have HF capabilities. The other coast stations are remotely controlled and have only VHF transmitters. XSFM Bantry Radio is often called, so there must be something there I guess, maybe a relay circuit for HF. How widespread the military HF network is, is unclear. The Dept of Defense has probably a network of their own and although the Navy / Fishery Dept, Army / Air Corps don't share frequencies there are no duplicate callsigns which suggests that the Dept of Defense, as a whole, issues the callsigns to the various elements. One thing is clear though; the Dublin site is used by all military services, Navy, Army, Air Corps and also the Fishery Dept. The Dept of Defense HQ and several army barracks in Dublin have HF dipole aerials and may be responsible for some of the transmissions. The MRCC (Marine Rescue Coordination Center) is reported to have HF facilities in Dublin as well. The Dept of External Affairs is reported to have RTTY comms with the Irish embassies around the globe. There is an impressive horizontal beam antenna on top of their office in Dublin. MRCC also uses the same facilities as Shanwick. The ITU lists HF stations in Cork as well; most probably a navy site.

The ITU allocated selcal block 1980-1989 to the Irish coastal stations which corresponds with resp. XSFV, XSFX, XSFQ, XSFK, XSFM, XSF, XSFC, XSFY, XSF, XSFS. Here is a list of the coastal stations.

- Malin Head Radio (EJM)
  - Belmullet Radio
  - Clifden Radio
- Dublin Radio (EIJ)
- Glen Head Radio

- Valentia Radio (EJK, selcal XSFC)
- Bantry Radio (selcal XSFM)
- Cork Radio
- Mine Head Radio
- Rosslare Radio
- Shannon Radio

<table>
<thead>
<tr>
<th>Frequency</th>
<th>Mode(s)</th>
<th>Station(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2461.5</td>
<td>F5</td>
<td>SITOR</td>
</tr>
<tr>
<td>2851.5</td>
<td>SITOR</td>
<td>Navy</td>
</tr>
<tr>
<td>3201.5</td>
<td>SITOR</td>
<td>Navy</td>
</tr>
<tr>
<td>3451.5</td>
<td>F1</td>
<td>SITOR</td>
</tr>
<tr>
<td>4601.5</td>
<td>F2</td>
<td>SITOR</td>
</tr>
<tr>
<td>4751.5</td>
<td>SITOR</td>
<td>Navy</td>
</tr>
<tr>
<td>4993.5</td>
<td>USB</td>
<td>Army</td>
</tr>
<tr>
<td>5690.0</td>
<td>USB</td>
<td>Air Corps + Navy</td>
</tr>
<tr>
<td>5708.0</td>
<td>USB</td>
<td>Air Corps + Navy</td>
</tr>
<tr>
<td>6901.5</td>
<td>SITOR</td>
<td>Navy</td>
</tr>
<tr>
<td>6974.3</td>
<td>USB</td>
<td>Army</td>
</tr>
</tbody>
</table>
This is part of a recently copied message in which many frequencies are mentioned. Not all of them are active though.

1  3244.5  3246.0   1  7800.0  7700.0   1 11408.5  12067.6
2  3830.0  3246.0   2  7714.0  7711.0   2 11405.5  12067.6
3  5608.5  5794.0   3  7364.4  7711.0   3  9272     9113.
4 15981.  15724.5
5  5785.5  5788.5   5  9272.0  9113.0
6 ~334.2  5788.5   6  9275.0  91~6.0

to~~~ce~~~~this message again make a new arq contact.
please remember your station ident after nnnn"

Major Irish military establishments
-----------------------------------------
This is a summary of the major Irish military facilities from which transmissions may originate. Some of them have HF dipole aerials.

o Department of Defence HQ, Dublin 7

o Army Barracks:
  Cathal Brugha Barracks, Dublin 6 (also Navy)
  Gormanstown Camp, Co.Meath (also Air Corps)
  Kilbride Camp, Co.Wicklow
  Curragh Training Camp, Co.Kildare, made up of the following barracks:
    Clarke, McDonagh, Connolly, Plunkett, McDermott and Pearse Barracks
    Dun an Daibisigh, Whitegate, Co.Cork (Dun' Castle)
  Finner Camp, Bundoran, Co.Donegal (also Air Corps)
  Fitzgerald Camp, Fermoy, Co.Cork
  Fort Berehaven, Bere Island, Co.Cork
  Waterford Military Barracks, Co.Waterford (also Navy)

o Air Corps:
  Baldonnel Aerodrome, Co. Dublin.
  Gormanstown Field, Co. Meath (also Army)
  Finner Camp, Co. Donegal (also Army)

o Navy:
  Haulbowline Naval Base, Cobh, Co.Cork
  Waterford Military Barracks (also Army)

o UN / NATO / WEU detachments
  UNIFIL Naqoural Lebanon
  UNFICYP, Cyprus
  UNIKOM
  UNOSOM, Somalia
  UNPROFOR (now IFOR), Bosnia
  MINURSO, Morocco
  OSGAP
  WEU Monitor Mission, Bosnia
  WEU Task Force Zagreb, Croatia
  CSCE Mission
  ONUSAL, El Salvador

o Fleet:
  P20 Deirdre (EIYV) Patrol vessel
  P21 Emer (EIYX) Patrol vessel
  P22 Aoife (EIYM) Patrol vessel
  P23 Aisling (EIYP) Patrol vessel
  P31 Eithne (EIYS) Corvette, heli SA365F Dauphin 2
  P41 Orla (EIYQ) Patrol vessel
  P42 Ciara (EIYT) Patrol vessel
<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tailte</td>
<td>Patrol vessel</td>
</tr>
<tr>
<td>Seabhac</td>
<td>Tug</td>
</tr>
<tr>
<td>Fainleog</td>
<td>Passenger craft</td>
</tr>
<tr>
<td>David F.</td>
<td>Passenger craft</td>
</tr>
<tr>
<td>Flachdubh</td>
<td>Passenger craft</td>
</tr>
<tr>
<td>Nancy Bet</td>
<td>Training yacht</td>
</tr>
<tr>
<td>Creidne</td>
<td>Training yacht</td>
</tr>
<tr>
<td>Gray Seal</td>
<td>Lighthouse tender</td>
</tr>
<tr>
<td>S. Nessan</td>
<td>Pilot boat</td>
</tr>
<tr>
<td>Shandon</td>
<td>Tug</td>
</tr>
<tr>
<td>Granuaile</td>
<td>Lighthouse tender</td>
</tr>
<tr>
<td>Manuel Plana</td>
<td>Escort vessel</td>
</tr>
</tbody>
</table>

Sample messages:

Two of the messages have been edited because of their length. The first message is a fisheries report, the second is an encrypted daily routine message, followed by a newsreel for the Irish troops overseas.

The fisheries message is one of many that you can copy when you are monitoring the Irish Navy. 

A few remarks: Note the 'SO' (source) column. This column represents the sources of the reports. The funny part is that you can read in this column who the current detachment are: vessels P21, P31 and P41 according to this message. Who the other sources are is a still mystery, although there are some theories. Satellite observation posts is one of them, radar posts is another. The most logical theory is -imho- that the fishing vessels report their position to (civil) coast stations like Valentia Radio, Malin Head Radio and Dublin Radio and that those stations are in fact the sources 9, 10, 50, 55 and 58 in this column. It's just an uneducated guess though.

The activity (ACT) column shows that activity code 101 is reported by all the patrol vessels and that there are only two '101' reports from the others. Also the position reports from the patrol vessels are more accurate then from the other reporters and finally, all the funny sources have the Licence Period (L-P) filled in, while only one of the patrol vessels has this info.

NAVAL SUPERVISORY CENTRE - DAILY LOG

<table>
<thead>
<tr>
<th>PREC-ACTION</th>
<th>PREC-INFO</th>
<th>DATE-TIME-MONTH-YEAR</th>
<th>SECURITY CLASS</th>
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<tbody>
<tr>
<td>R</td>
<td>R</td>
<td>301600A SEPI94</td>
<td>UNCLAS</td>
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FROM  | DELIVERY INDICATOR  | TO(ACTION) | TO(INFO) |
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<thead>
<tr>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>JLT</td>
<td>DKD</td>
<td>78,46,89</td>
<td>SOO OPS</td>
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</tbody>
</table>

DTG   | LAT      | IC   | REGPORTNO | NA | SO | ACT | B | L-P |
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<thead>
<tr>
<th></th>
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<tr>
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<td>08:40A</td>
<td>5154.3</td>
<td>1029.6</td>
<td>T3</td>
<td>50</td>
<td>IRI</td>
<td>P31</td>
<td>101 N</td>
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<tr>
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<td>09:45A</td>
<td>5153.4</td>
<td>1034.96</td>
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<td>P31</td>
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<td>09:47A</td>
<td>5155.13</td>
<td>1035.13</td>
<td>T3</td>
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<td>IRI</td>
<td>P31</td>
<td>101 N</td>
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<td>10:03A</td>
<td>5210.56</td>
<td>1057.29</td>
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<td>FRI</td>
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<td>1054.11</td>
<td>T3</td>
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<td>IRI</td>
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<td>101 N</td>
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<td>29</td>
<td>11:45A</td>
<td>4810</td>
<td>800</td>
<td>T3</td>
<td>5-7842</td>
<td>JRI</td>
<td>P31</td>
<td>101 Y</td>
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<td>13:47A</td>
<td>5103.9</td>
<td>847.4</td>
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<td>P21</td>
<td>101 Y</td>
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<td>1205</td>
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<td>5-8127</td>
<td>JRI</td>
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<td>T3</td>
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Pagina 123
The WUN Military Column
Pagina 124

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DE 78 ZBO P INT QRV K+?
DE 13 RGR GH KK+?
HG
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001 XKREJ BSEPB FHNET XTYHX SXKKK EWBSA XFPAR TRBXX JKRYH YEYEP
002 XNWNJ FHEHP CAYES EWRKY PYPCC AFBEB NCAXR JBCKP SKTAB EXFBW
003 AWECT HJFCE RACSC HETEB KRAFXT WNNK BHAPEK FKNYY JHBPS TJNXA

018 KEWBS AWRJA AKJBX KJCRY HYEB NNNN
INT QSL PSE ALSO THAT IS FOR QSP TO A/C CALL ME BACK WITH QSP TIME PSE K+?

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senior irish offices unficyp.
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senior irish officer nosom 2
senior irish officer unprofor.
senior irish officer minurso.
senior irish officer osgap
senior irish officer eu monitor mission.
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info d.ops ~ d.f.h.q. dublin
bt
unclas

news digest for irish troops serving overseas
compiled by duty off. dfhq, dublin 09 oct 94

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ar qsl tks whats the weather like at home

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That's all folks. Ciao!

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Kind of a short column this month - been very busy at work. Here goes:

FRENCH MILITARY: New Member Jacques shares the following with us: Hello! My name is Jacques and I am a new member of WUN. I live in the west of France and my main interests are military aircraft monitoring and aviation in general. I have been doing this for quite a while now, and I think WUN is the best way to keep in touch and up to date.

I have some info about the French HF military net "Circus", and a comprehensive list of designators/frequencies for the "Mystic Star" system, many never published before.

A) Circus:
- Circus vert (also: Circus Tango): Paris/Villacoublay
- Circus blanc: Bangui (Centrafrique)
- Circus bleu: La Reunion
- Circus citron: Cayenne (Guyana)
- Circus fauve: Fort de France
- Circus lilas: Libreville (Gabon)
- Circus orange: Dakar (Senegal)
- Circus tilleul: N'djamena (Chad)

Frequencies:
- 6712 USB "Marjolaine 2"
- 8972 USB "Racontar 1"
- 8992 USB "Vinaigrette 3"
- 13236 USB "Raphael"
- 18010 USB "Citadelle 1"
- 23254 USB "Verite 3"
- ? USB "Reconfort 1"
- ? USB "Reconfort 3" (in the 15Mhz range?)
- 143.8 AM "Canasta" in VHF, relayed all over France

B) Mystic Star listing
All have been monitored from here since 1994
- 5 6830, 33 13247, 64 11214, 84 13205.5, 89 13204, 90 11460, 94 9017, 98 14585, 99 13247, 102 11118, 117 6993, 146 9027, 184 13878, 202 13...
- 211 11056, 230 15041, 251 13217.

Thanks for the great info, and we look forward to your continued participation in WUN.

FRENCH AVIATION: What the "Longbow" is for the Apache attack-helicopter is the "OSITIS" system for the Tigre attack helicopter. This, called after an Egyptian god, mastvizer by Aerospatial consists of an infrared and a normal TV-camera, and a laser distance calculator. It can find and identify targets within 5000 meters. For the first series of trials the Panther helicopter will be used as platform for the system. Later this year it will be fitted in the Tigre (TIII) prototype for further testing. Also the weapon systems for the Tigre are being developed, the recently held test with the TRIGAT long-range anti-tank missile proved to be successful. The Trigat "killed" a target at 3.5 Km's.NNS925. Navy squadrons move from Barbers Point to Kaneohe Bay

NETHERLANDS ARMS UPDATE: Hollandse Signaalapparaten in the Netherlands developed "Goal-keeper" system proved its superiority over its opponents. Recently, South-Korea doubled its order to 8 systems to be placed on their (still under construction) KDX torpedo-boats. This autonome, fully-automated last defence system against aircraft and missiles (e.g. Exocet) will be placed in pairs on the ships. "Drakon", a similar system build by Mauser (Germany) is (still) no serious competitor in this market. The electronic firing system of the Drakon has still to be developed. Also the German NAVY is not likely to buy the system or finance the further development of the Drakon-system.

POLISH AVIATION: Good friend Ary Boender forwards this from Jan Terveer in the Netherlands. Ary says to please also mention as source 'Leger-Pagina 125
koerier' Ten years after its first flight the "Iryda" Polish jet-trainer still does not live up to its expectation. According to the Polish ministry of Defence, speed, armament and navigation, attack-systems are working insufficiently. Also the production-level at the factory in Mielec is very low. So far only 7 prototypes and 6 production-models have been delivered to the Polish Air Force. This is the reason why the Polish MOD is interested in the Alfa-jet of which Germany can supply 40 aircraft from its stocks. These second-hand Alfa's only cost 1/3rd of an "home made" Iryda.

U.S. ARMS MANUFACTURING: The AGM-130 Missile from Rockwell, even now a dangerous opponent, is still being developed. The AGM-130 is a "stand-off" missile that utilizes GPS and inertial navigation systems to find its target independently. Recently Rockwell has added an improved "imaging Infrared Seeker" to the missile. Tests, where a F15-E from the USAF fired an improved AGM-130 from 2000Ft were successful.

U.S. ARMY CORPS OF ENGINEERS: Rick Albright shares the following info with us. The U.S. Army C.O.E. dredge fleet will continue to operate through 1996, under provisions of the recently passed Energy and Water Appropriations Bill. However, private dredging interests and some members of Congress are still pushing for complete elimination of the public fleet. (The Philadelphia-based dredge McFarland, which has not been overhauled since the late '60s will be laid up and replaced by private dredges if anything beyond normal repair is needed!).

Both Pacific Coast C.O.E. dredges will spend time in drydock this winter. Essayons was to be in during January and Yaquina during this month, both for about three weeks.

U.S. MARINE CORPS: The U.S. Marine Corps MARS has opened a Web page. The URL is:  http://pages.prodigy.com/PA/mars/MARS.html

U.S. NAVY: PEARL HARBOR, Hawaii (NNS) -- The Navy has decided to relocate three squadrons of P-3C Orion aircraft and associated personnel from Naval Air Station (NAS) Barbers Point, Hawaii, to Marine Corps Base Hawaii (MCBH), Kaneohe Bay, by 1999. This move follows the 1993 Base Realignment and Closure (BRAC) committee's decision to close NAS Barbers Point, which also called for moving one squadron of SH-60 Seahawk helicopters from Barbers Point to Kaneohe.

Patrol squadrons 4, 9 and 47, and Anti-Submarine Warfare Helicopter Squadron 37 are scheduled to move. Along with these squadrons, some additional commands will move from NAS Barbers Point to MCBH Kaneohe, including Commander, Patrol Wings Pacific.

There will be a total of 32 P-3C Orion aircraft and 10 SH-60 Seahawk helicopters making the move. By keeping the squadrons and 2,200 associated military personnel and civilian employees in Hawaii, the local economy will retain an estimated $84 million in annual revenue from salaries plus goods and services purchased by the Navy.

The decision to move three patrol squadrons to MCBH Kaneohe Bay allows the Navy to keep the aircraft strategically located in the mid-Pacific, where they train regularly with Hawaii-based surface ships and submarines, and make regular deployments to the Western Pacific, Indian Ocean and Arabian Gulf regions. The decision also uses the capacity of MCBH Kaneohe Bay to its best advantage.

Before the 1993 BRAC decision, six patrol squadrons were based at NAS Barbers Point. Two squadrons have since decommissioned as part of the Navy's force reductions, and a third has moved to NAS Whidbey Island, Wash. With the three remaining P-3C squadrons moving to MCBH Kaneohe, the Pacific Fleet's six P-3C squadrons will be divided evenly between Kaneohe Bay and Whidbey Island when NAS Barbers Point closes in 1999.

NORFOLK (NNS) -- The Sailors and Marines of the USS George Washington (CVN 73) Battle Group and the USS Guam (LPH 9) Amphibious Ready Group (ARG), will depart their homeports and bases on Jan. 26 for a regularly scheduled deployment.

The George Washington Battle Group, commanded by RADM Henry C. Giffin III, Commander, Cruiser Destroyer Group 2, will relieve the USS America (CV 66) Battle Group, which deployed last August.
The Guam ARG, commanded by CAPT William D. Young, Commander, Amphibious Squadron 2, will relieve the USS Wasp (LHD 1) ARG.

In December, the battle group and ARG participated in Joint Task Force Exercise 96-1, their "final examination" before deployment, and the culmination of a year of intense preparation.

"Forward-deployed, rotational forces are the main product the Atlantic Fleet delivers to our customers, the American taxpayer," said ADM William J. Flanagan Jr., commander in chief, U.S. Atlantic Fleet. "The men and women of this battle group have worked hard to ensure they are ready to serve this nation. I'm very proud of what they have accomplished and confident they will represent our nation well."

WASHINGTON (NNS) -- The guided missile destroyer Hopper (DDG 70) was christened on Jan. 6 at Bath Iron Works in Bath, Maine. Mary Murray Westcote, sister of the late RADM Grace Murray Hopper for whom the ship is named, was the sponsor.

The naming of the guided missile destroyer for Hopper pays respect to her pioneering spirit in the field of computer technology. Hopper led the Navy into the age of computers. During her career, she was known as the "Grand Lady of Software," "Amazing Grace" and "Grandma Cobol" after co-inventing COBOL (common business-oriented language).

Hopper retired from the Naval Reserve in January 1967, but was recalled to active duty in August 1967 by President Lyndon B. Johnson because of her much-needed expertise in applied computer science. She retired a second time in August 1986. She passed away on Jan. 1, 1992.

This is the first time since World War II, and only the second time in Naval history, that a warship has been named for a woman from the Navy's own ranks.

Decommissioning: USS Yellowstone (AD 41), Jan. 31
That's it this time. I promise more next month. Good listening.

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steamers, visit glaciers etc.

All these cruises can be heard on the usual Pacific HF channels.

The SS Rotterdam, flagship of the Holland America Lines, will be retired next year after more than 28 world voyages. In 1989 the ship was named "Ship of the year" by the Cruise Line society. The latest itinerary is: Hobart-Melbourne-Hong Kong-Vietnam-Singapore, Port Kelang in Malaysia-Phuket in Thailand-Bombay-Mombasa (Africa)-Cape Town-Rio de Janeiro and finally New York.

That's all for this month. I promise a bigger load of info next time.

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New Products, Books and Reviews
Rick "RD" Baker, editor
1352 Cavalcade Dr., Austintown, Ohio 44515-3844 or: ae411@yfn.ysu.edu

This month we have a full slate of items. Stuff has been really pouring in lately! This month more software, conventions, and a book review...

NEW PRODUCT REVIEW

SEAPLOT: software by Douglas John Standen

Last month we reviewed the sister program called 'Airplot' that John developed. First, John dropped me a email to let me know that besides Tony Orr, Keith Elgin over in the UK helped with the testing and input for these programs. Sorry Keith, I only knew Tony had done some work. I'm sure that others helped John perfect these programs too. Also, Gremlins snuck into my program and chopped off the end of John's email address. It should be: John@metsys.demon.co.uk (I chopped the .uk off).

Installation was discussed last month and is the same for all of John's programs; very easy taking just a few minutes overall. The program features are the same with a Windows style gray border, highlighted commands as the mouse passes over the menu item and with the main MENU along the bottom of the display, while others are available as drop down menus, tables and palette. SEAPLOT runs on 286/386/486 or Pentium systems and requires a serial microsoft style mouse in com 1 to 4. I ran it in a Compaq Presario Pentium 90 under Windows 95 and a generic 386/20 under DOS with good results.

The program generates maps for anywhere in the world at any scale, ships may be entered from World Meteorological Organization files containing thousands of ships all over the entire world in SYNOPTIC code and obtainable via the INTERNET; ships obtained from BBXX RTTY Meteo broadcasts; or by entry of data from the keyboard for ships heard by radio. The program will plot both ships and marine platforms.

Other program functions:
- MAP: You may generate a map at any scale for any area of the world, then color and save the map. A world digitized database is included.
- GRID: Overlay a latitude/longitude grid to an existing map.
- PLOT: Normally this will be reading a WMO ships file from the INTERNET, which gives all the weather conditions reported by the ship, or an RTTY report, giving the same info.
- MARKER: Puts a star on the ship position, overlaid positions are allowed, so on the world map, every ship will be shown.
- IDENT AND MARKER: Puts a star and the ships callsign on screen.
- WIND AND MARKER: Puts the wind velocity at each ship position.
- TEMP AND MARKER: Puts the Air temperature at each ship position.
- QNH AND MARKER: Pressure at ship position.
- PLOT SINGLE SHIP: Allows an entry of a specific callsign to be searched and the ship position displayed on a blank map.
- OVERLAY PORTS: User file to overlay any ports entered in the ports file as a name lat/long. Keyboard position; Enter a ship ident and position heard by radio.
- TRACK: When all the ships are displayed on the screen, the track function allows the user to point at a ship and click the left mouse. The historic file is read and all the old positions will be displayed with a star and a line joining the positions.
- SPEED: Pointing at a ship on the tracking screen will give its current position, last position, distance and the speed over the period, so long as an earlier report is in the historic file.
- FURTHER OPTIONS: You may now select future positions. Point at a screen position and a drop down box will indicate the distance and time to the new position. A cumulative function is available where you can see a ship approaching for example the St Lawrence seaway, click at many points down into the Great Lakes and see the estimated time of arrival at its final port.
- INFO: Point at any ship on screen and a drop down table will display, Date; time; ident; flag; ship name;(not demo). Temperature, pressure, wind velocity, dewpoint, cloud cover, low cloud, medium cloud, high cloud, wave height, steaming direction, speed, current weather, past weather, etc.
- DOS_PR: Dumps the chart and all the ships, tracks if any, etc, to a printer.

Seaplot is now released as a demo version and available from:

DOS:- ftp ftp.demon.co.uk directory: /pub/ibmpc/dos/apps/demos/seaplot

NETSCAPE/MOSAIC

The program is in a self extract zipped format as:- SEADEMO.EXE and is bytes: 1,401,340. John also has the Airplot demo on ftp.demon.co.uk in pub\ibmpc\dos\demos\airplot where very soon he will have all the demo's of Airtrak, SeaPlot and Synoptic. Prices: The registered version is 35 UK pounds from: JHS SYSTEMS AND SOFTWARE, CROPTON, PICKERING, NORTH YORKSHIRE, YO18 8HL UK. Or for more info, contact John at the e-mail address listed at the start. Payment must be in Eurocheque or pounds, for dollars conversion add U.S. ten dollars in notes. Includes postage worldwide airmail.

I guess you can tell that I liked this program a lot. Being a big maritime fan, this is the first program of it's kind designed from the ground up for the maritime hobbyist that I'm aware of. I have used it to track SAR operations being conducted by using USCG aircraft numbers as "Ship ID". It does so much, it truly takes some time to get use to all of it's powerful features.

I had hoped to cover John's last utility orientated software program 'Synoptic' this month but I ran out of time and space. So next month we'll finish up with this series.

o HOKA: CODE 3 GOLD

Hoka sent out a press release for the new Code 3 "Gold" decoder, and below are the highlights:

"This has got to be the hottest VHF and Shortwave decoder to hit the streets. Over a year of hard development work over at our Netherlands HQ has resulted in this latest decoder product. Code3 Gold uses the very best of software DSP filtering and detection technology (borrowed from our professional Code30) and the very latest surface mount miniaturized electronics for the hardware interface. The performance is stunning, the compactness remarkable and the price is simply unbelievable!

Stunning performance

Anyone used to using our professional package, Code30, will be amazed at how we managed to achieve such high performance from so little hardware. The method we use is identical that used with Code30. Hoka Electronics is unique in the decoder market to put all the DSP software into PC compatible software code. This makes it much easier to fully interlace the DSP filters with the software signal detectors and system decoders making on-the-fly adjustments to the shift or baudspeed completely seamless to the decoding process. From the initial analog to digital conversion using the latest SMD hardware, everything else from the roofing filter, the FSK detector, to the post detection filters are all done on your PC! All optimized for every possible combination of keying speed and bandwidth. All of this filtering means your receiver does not need to have expensive additional narrow filters for RTTY. Simply use your wideband SSB setting for Shortwave monitoring and AM or FM for VHF."
WUN-v02

No power supply needed.

All of the interface's modest power requirements are supplied from the
PC using the serial port itself. In fact, there is more than enough power
available - even when using a laptop.

No Copy Protection!

That's right! No copy protection. For the first time ever for Hoka
Electronics we offer our Code3 software without any software copy protection
at all.

Automatic analysis and detection for shortwave systems After the press
of just one key [F5], Code3 Gold really starts pulling its weight. After
bringing up a simplified spectrum analyzer screen showing the system's shift
and baud speed, all you have to do next is press the [enter] key. Code3 Gold
does the rest for you. If it is a system installed in your version of Code3
Gold, it will immediately jump to that decoding module and lock into the
system. If the system you are listening to is not supplied with your
software, it will simply tell you the system name. You may not be able to
lock into the signal and decode it, but at least you know what system it is!

PC Requirements Any modern IBM PC clone with a 386DX40 (or better)
processor although a 486 is highly recommended. MSDOS v3.2 or later, with at
least 512k free DOS memory and a spare serial port (COM's 1 to 4 supported).
Both VGA and SVGA up to 1024x768 (ET4000) are supported with up to 256 grey
scales. Code3 Gold only needs 2MB of free disk space! For those who MUST
run Windows, Code3 Gold will happily run in a Win3.1x DOS box, but not in a
Win95 DOS box (yet!) - the only down side is that you need the power of a
Pentium to be able do it successfully!

End release

Apparently, these modes are offered standard: ACARS, POCSAG, DTMF,
PACKET, BAUDOT, ASCII, SITOR, PACTOR, FAX, SSTV (supports Martin 1 in full
color if you have a video card that is based on the Tseng ET4000 chipset),
As optional systems for strictly shortwave, you need the "Shortwave Option".
This adds "nearly every decodeable system there is to find on shortwave"
"Annex 10" Aircraft selcals, Morse, Hellscreiber , ARQ-S, ARQ-E, ARQ-N,
ARQ-90/98, ARQ-E3, ARQ-SWE, ARTRAC, POL-ARQ, F7BBN Baudot, Twinplex,
CCIR242, TDM, CCIR342-2 TDM, FEC-A, FEC-S, Autospec, Spread, MC-ARQ,
TORG10/11, ROU-FEC, HNG-FEC, COQ8, COQ13, Piccolo Mk6, and SYNOP (AAXX,
BBX with 10,000 stations) are listed.

Now mind you I haven't seen the Code 3 Gold yet, this is all from the
original Hoka press release. I did contact the U.S. distributor, Jim
Springer, at Computer Aided Technologies. Jim has no U.S. release date yet,
but hopes it will be soon. Also, this news is very tentative, and no
guarantees or promises are implied. The estimated European price NLG 695
(about =£3280), UK price is said to be 295.00 pounds with the SW Option at
125.00 pounds. If SW Option ordered at same time as Code3 Gold, deduct 20
pounds. U.S. price COULD be in the area U.S. $425-$495.00. Not sure if this
include the "shortwave option" or not. UK Importer: UK Sales Office: Hoka
Electronics (UK), 26 Bury Road, Shillington Hitchin, Herts, SG5 2NY. NTech
Communications, 8 The Crescent, Willingdon, East Sussex, BN20 9RN. The U.S.
Importer is: Computer Aided Technologies, 318-687-2555, e-mail
scancat@bcrr.secret.com, Web Site: http://www.bcrr.secret.com/scancat.html

As soon as I get more info, I'll be sure to pass it on. I'm hoping to do
a "test drive" review of the Hoka Code 3 Gold in this column, and have
requested a review unit. Meanwhile, those who have www access, you can link
to Hoka and Computer Aided Technologies (Scancat) via the WUN www page at:
http://www.leonardo.net/berri/wun

o New Book Release
Aircraft Communications Addressing and Reporting System (ACARS) is an
interesting part of the hobby, especially with systems making use of
HF now, although the dust hasn't settled there yet.
Many HF aero SSB fans are also VHF ACARS buffs! This impressive work,
newly updated and released in it's third edition, covers the topic A-Z.
Softbound and coming in at 91 pages, additional material for the book

Pagina 130
was provided by Fred Osterman and Robert Evans. The world of ACARS monitoring is fairly new, and this book represents the first serious attempt to provide information on these messages. It also covers the basics on how to monitor this mode, and what equipment is needed.

Other chapters include Frequencies and Coverage Areas; ACARS Systems Components; Operating Modes; Message Format; and all of the various known message types and their explanations!

Appendix's in the back provide:
* Aircraft Type by Registration Number
* International Civil Aircraft Prefixes
* Airline Carriers
* Airport Identifiers (ICAO 4 Letter and IATA 3 Letter)
* Key to Aviation Weather Observations
* Key to Aviation Weather Forecasts
* and a Further Reading list....

Not just useful...a needed resource tool for this type of monitoring!

Published by Universal Radio Research, 6830 Americana Parkway, Reynoldsburg, Ohio 43068 1-800-431-3939 and available there, as well as other sellers of utility related books. Also Universal Radio has a www page at: Http://www.universal-radio.com/ (also via the WUN www page listed above) and via e-mail at dx@universal-radio.com

CONVENTIONS

o Dates for Expo 96 and Keynote Speaker Announced

The following press release was received from Grove's: "Share the experience, bring a friend" is the theme for the 7th annual Grove Communications Expo that will be held on October 18-20, 1996 in Atlanta, Georgia.

In commenting on this year's theme Bob Grove, President of Grove Enterprises said, "Just as we host the Expo as a gesture of good will to the radio hobby community, you can be an ambassador for recreational monitoring by bringing a friend to the Expo. With growing pressure from commercial interests to own the radio spectrum and lock out listeners, our numbers are what speaks loudly to the law makers. I'm looking forward to seeing you all this year, and to seeing fresh faces as well."

Formerly known as the Monitoring Times convention, the name of this popular annual event was changed in 1995 to the Grove Communications Expo. The name change was made to broaden the scope of the annual event to cover new and emerging communications technologies.

To help foster the Expo theme, Grove is offering special rates to convention registrants who bring along someone who has not attended a previous convention. If you bring a full registrant to the Expo you can take $10.00 off your regular registration fee of $55.00 for the weekend full of activities. In order to get the special rate, both registrants must register at the same time.

The highlight of this year's Expo is the Saturday night banquet. NASA astronaut and astronomer, Ron Parise, WA4SIR will deliver the keynote speech. Dr. Parise has made two trips into space aboard the space shuttle and during those missions operated the shuttle amateur radio experiments (SAREX). Tickets for the Saturday night banquet are $25.95 and seating is limited, so make your banquet and convention reservations early.

Several special events will be conducted in conjunction with this year's Expo. The Society of Amateur Radio Astronomers (SARA) will be conducting their fall conference for their members during the Expo weekend. Members of SARA can attend their conference for a $25.00 fee. SARA will also be conducting radio astronomy workshops, forums and exhibiting at the Expo throughout the weekend. Full registrants to the Grove Expo are welcome to attend any of these forums and workshops as part of their registration fee.

On Friday night, October 18, the Expo will sponsor an International Shortwave Broadcasters forum that will be hosted by noted broadcast host Ian McFarland. We expect broadcasters from stations around the world to be in attendance. Some of these broadcasters will also have exhibits at the Expo.

Exhibitors have already started signing up for displays at this year's Expo. Computer Aided Technologies, Grove Enterprises, Monitoring Times, Satellite Times, Radio Astronomy Supplies, the Society of Amateur Radio
Astronomers, Sony, and Swagur Enterprises (manufacturer of weather satellite receiving systems) are just a few of the companies and organizations that have signed up for booths. This year’s seminar program has been expanded greatly. Over 40 seminars covering topics on computers, the Internet, radio astronomy, satellites, and space, and scanning and shortwave radio by some of the world’s leading experts in their fields will be conducted. Live demonstrations of equipment and listening techniques by convention speakers and exhibitors at the Grove Listening Post will also be a part of the program.

The Expo will be held at the Atlanta Airport Hilton and the hotel is offering a special convention rate of $76.00 plus tax per day, single or double occupancy. To make your hotel reservation for the three day event call the Hilton hotel chain toll free number 1-800-Hiltons. You must mention the Grove Communications Expo to receive the special convention rate.

Complete details on the Expo 96 are available at the Grove Internet home page on the Internet. Point your web browser to URL address: http://www.grove.net/hmpgexpo.html for the latest information and Expo updates. You can also register for the Expo by sending e-mail to expo96@grove.net and you can get additional information on the convention by sending e-mail to the Expo 96 infobot at the following address: expo96-info@grove.net. To register by phone, call the Grove order line at 1-800-438-8155 or by fax at 1-704-837-2216.

WUN will also be represented at the Grove Expo since we have confirmed that a club table has been reserved. Worldwide UTE News Club staffers known to be attending so far are Jim Pogue, Tony Orr and yours truly. Registration is $55 per person; however, as a bonus to club members, by registering five or more members ON ONE CHECK, those members receive a 10% discount on registrations. This needs to be coordinated, so if your interested, contact me or get together your own group of five.

9th Annual Winter SWL Festival

Dates are coming up quick; they are 15 and 16 March 1996. This yearly event is to held at the Kulpsville, PA Holiday Inn. WUN Membership Director Mike Wolfson will be attending, as are several WUN members. Although primarily a broadcast event, Mike will be speaking on a general overview of utility listening. There are quite a few other longwave, mediumwave, and shortwave forums and a host of speakers, but I did not have a list as of press time.

For further details, contact Mike Wolfson (see Membership column info) or send e-mail to r.deangelo@genie.com

Ok, that’s it for this month. Big column and I’ve got more news and goodies to pass on next month!

------------------------------------------------------------------------------------------------------------------

THE QSL REPORT

Editor: Martin C. Barry <mbarry@absint.login.qc.ca>
6875 Fielding #02
Montreal (Quebec)
Canada H4V 1P3

STATION VERIF/CALL/FREQ/MODE/TYPE QSL/NO.DAYS/REMARKS/CONTRIBUTOR

CIVIL SHIPS

Dee Pilot/MTKM5 2182.0 USB PFC 23 ds info (AI)
Far Service/MSWQ9 2182.0 USB PFC 24 ds info+greeting card (AI)
Grampian Eagle/GUJY 2182.0 USB PFC 31 ds (AI)
St. Clair/MPRLE6 2182.0 USB PFC 34 ds viewcard (AI)
St. Rose/GFCB 2182.0 USB PFC 41 ds letter+veri+info (AI)
Superiority/MMWE9 2182.0 USB PFC 25 ds letter+info (AI)
Toisa Gryphon/GDVH 2182.0 USB PFC 29 ds info (AI)
Veesea Hurricane/VRUF2 2182.0 USB PFC 31 ds (AI)
Viking Vigilant/MKXT7 2182.0 USB PFC 26 ds letter (AI)
Weymouth Lifeboat 2182.0 USB PFC 28 ds letter+veri card (AI)
Arild Viking/LAIM 2182.0 USB PFC 64 ds letter+info (AI)

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FIXED STATIONS

Chios Aero 5367.0 USB PFC 12 ds (AI)
Cyprus Flight Watch 18018.0 USB PFC 18 ds letter (AI)
Diagoras Aero 5367.0 USB PFC 21 ds (AI)
Kalamata Aero 5367.0 USB PFC 60 ds veri card (AI)
MARS Nazareth/NNNOGKF 14470.0 USB PFC 30 ds (AI)
Einsatztruppe/DRPG2 3116.0 USB PFC 31 ds photo (AI)
TAROM Bucuresti/YRA 5638.0 CW PFC 22 ds greeting card (AI)
Tema Radio/9GX 16920.0 CW PFC 57 ds letter (AI)
USArmy Ft. Eustis/AAC2 8297.0 USB PFC 50 ds viewcard (AI)
Byrd Surface Camp 11553.0 USB PFC 40 ds (Antarctic base) (JP)

MILITARY/COAST GUARD SHIPS

Datteln M-1068/DRFA 3116.0 USB PFC 18 ds (AI)
Hameln M-109/DRFO 3116.0 USB PFC 29 ds photo (AI)
Herten M-1096/DRFP 3116.0 USB PFC 14 ds photo (AI)
Karlsruhe F-212/DRAV 10192.5 USB PFC 23 ds 3rd try! (AI)
Langeoog A-1441/DRNN 3116.0 USB PFC 11 ds photo (AI)
Lowe P-6148/DRBH 3116.0 USB PFC 28 ds letter (AI)
Linndau M-1072/DREI 3116.0 USB PFC 70 ds (AI)
USAV Chickasaw Bayou/AAEB 13927.0 USB PFC 420 ds letter+photo (AI)
WFS Planet A-1450/DRAY 3116.0 USB PFC 14 ds letter+photo (AI)
USCG TCCS 6501.0 USB PFC 29 ds (Chesapeake, Va.) (JP)
HMAS Gladstone PTF-216/VRPN 8122.0 USB PFC 35 ds photos+brochure (JP)
HMAS Moreby A73/VKPM 8122.0 USB PFC 40 ds photo+stickers+ltr (JP)
M/V Keizersgracht/PFIJ 8198.0 USB PFC 170 ds photo (JP)
USAV Brandy Sn. LCU-2005/AADU 6227.0 USB PFC 489 ds (JP)
USCGC Key Biscayne WPB-1339/NGYS 8240.0 USB PFC 40 ds brochure (JP)
FGS Brandenburg F-215/DRAH 6779.0 USB PFC 27 ds letter+cachets (RB)
FGS U27 S-176/DREU 6779.0 USB PFC 101 ds photo+QSL card (RB)
USUS Shreveport LPD-12/NADY 8234.0 USB PFC 12 ds (RB)

MILITARY AIRCRAFT

RAF Odiham/ODM70 5680.0 USB PFC 13 ds (AI)

MARITIME/NAVAL/COAST GUARD STATIONS

Halifax C.G. Radio/VCS 4408.0 USB - 15 ds signed viewcard (MB)
AT&T Coast Station/WOM 4363.0 USB PFC 10 ds brochure+QSL+chart (MB)
Bizerte Radio/3VB 2182.0 USB PFC 27 ds (AI)
Ny Prestwick 9013.0 USB PFC 15 ds viewcard (AI)
Riga Rescue 5680.0 USB - 37 ds letter+viewcard (AI)
Gotland Rescue 5680.0 USB PFC 25 ds greeting card (AI)
Portland Coast Guard 2182.0 USB PFC 11 ds letter+info (AI)
CCG Sept Iles/VCK 518.0 FEC - 18 ds photo (RB)

*** TIPS & TIDBITS ***

Last month's column featured a slew of QSL's from non-directional beacons, submitted by regular contributor Jill Dybka. For those who will, the following addresses match those veri's:

NDB 203 DMZ
Dickson Co Airport Authority
Aids to Navigation
PO Box 91
dickson TN 37055

NDB 206 GLS
FAA Airways Facilities SFU
Electronic Tech
2115 Terminal Dr
Galveston TX 77554

NDB 214 GYN
Summer Co Regional Airport Authority
Aids to Navigation
PO Box 34

NDB 322 ULH
Tullahoma Airport Authority
Aids to Navigation
City of Tullahoma
Box 1584
Tullahoma TN 37388

NDB 344 CL
(see "400 CI" addr.)

NDB 350 CWH
FAA:SCC
100 John S. Harrison Dr
Huntsville AL 35824

NDB 353 LI
Michael Oexner recently posted on WUN the following address for Brisbane Aeradio:
Jill also provided these for a Vietnamese maritime sta and two French NDB's:

XVS
Director
Coastal Telecommunications Company
12 C Nguyen Thi Minh Khal Street
Dis. 1
Ho Chi Minh City
Vietnam

CZ
Aerodrome de Charleville-Mezieres
Chambre de Commerce et d'Industrie de Charleville-Mezieres
B.P. 389
F-08106 Charleville-Mezieres Cedex
France

PM
Aerodrome de Peronne
F-80200 Peronne
France

There's a rumor currently circulating that the widely-heard ute St. Lys Radio will have a portion of its HF service -- most likely aero LDOC -- axed as soon as next year. The cut is largely a result of Air France terminating a long-standing contract with St. Lys, but also due to sparse activity; as few as five calls a day. Just in case anyone wants to QSL, this is the address for St. Lys' regular maritime service (but will probably do in a pinch):

France Telecom
Service Commercial Radio Maritime
Center Radiomaritime de Saint Lys
Le Chef de Center
F-31470 Saint-Lys
France

# # #

COVER LETTER FRIENDLY BUT TO THE POINT

A couple of issues back we covered PFC's (prepared form cards) and what a half-decent one should look like. What may be in order now is a standard cover-letter to potential verifiers, something you can keep on file as a template to be filled in over again with different frequencies, times and call letters.

What you should probably be aiming for is something that cuts the perfect line between friendly and terse. You want to be just warm enough to get some personnel's attention, but not so much as to turn them off with familiarity. You're most likely dealing with technically-oriented people who are used to seeing things in hard numbers. But take into account, too, that your cover letter/reception report may be just the break in routine that a station employee has needed all day -- and he may have a marked preference for reading your correspondence to the sort that comes from the FCC. You may want to play it by ear each time you write a station; but better probably to err on the side of terseness, sticking to the facts and numbers, and keeping your prose straightforward and short.
Use the following letter as an example:

Station Name
Attn: Comms Personnel
123 Backbay Rd.
Anytown, Anystate
12307

I am a shortwave listener (SWL) from ___________. As a hobby, I enjoy listening to communications on the HF band.

On ______, 1996 at ____ UTC it was my pleasure to receive your station's transmission on _____ kHz in ____ (xmstn mode) using the ID _____ (name/call sign).

I thought you would like to know that your signal was good and readable here. Reception was made on a _________ (your receiver) HF receiver, using a ___ foot/meter ____ (random/longwire) antenna mounted at ___ feet/meters.

As part of my hobby I collect QSL/PFC (verification) cards from stations like yours. I would like to add yours to my collection. I'd appreciate very much if you could verify (QSL) this reception, if it is correct, when you get some time. A Prepared Form Card (PFC) to be completed is enclosed as is a self-addressed stamped envelope (or mint stamps, etc) for mailing back.

I very much appreciate your effort and thank you in advance for taking time from your busy day with my letter.

That's about all there is to it. If you're QSL'ing a station about which you know next to nothing, then a straightforward cover letter like this is probably the best you can do. But if you should happen already to be familiar with some aspect of its operation, it can't hurt to be conversational in a circumspect way. Just be careful what you say and try to stick to generalities.

Next month we'll examine some of the pros and cons of Mint Stamps versus IRC's (International Reply Coupons) as enclosures to potential verifiers. Til then, 73, and keep those QSL's coming.

#  #  #

Thanks to this month's contributors:
(AI) Andreas Ibold, Germany
(MB) Martin Barry, Canada
(JP) Jim Pogue, USA
(RD) Rick Baker, USA
(JD) Jill Dybka, USA
(MO) Michael Oexner, Germany

===========================================================================
______________________________________________________
|                                                      |
|________|                 SURFING THE LONGWAVES                |________
|       |                                                      |       |
|_______|        Editor: George Karayannopoulos, N2OWO         |_______|
|       |              karayan@crow.cybercomm.net               |       |
|       |______________________________________________________|       |
|
LISTENING WITHOUT A RADIO

Welcome to the February longwave column. We have a very interesting article this month, about receiving longwave with unconventional equipment, and a proposal for the assembly of a list of European longwave beacons. Be sure to read both items and send me your comments!

As always, I'd like to mention that this column is a forum for all longwave fans. Anything that has to do with longwave (not just beacons!!) belongs here. I am always looking for submissions of articles, comments, ideas, suggestions, or anything else that you think would be of interest. Don't assume that what you share will not find an interested audience -- no one is THAT unique! :-)

Congratulations to our European members! Both submissions this month came
from Europe. Input from readers on this side of the Atlantic is slow right now. I am still awaiting input from those of you who promised it to me! YOU KNOW WHO YOU ARE!!!!

Also, I'd like to welcome all members of the Longwave Club of America who became WUNers this month, as a result to the item about WUN published in Lowdown. Go ahead and send me some email - don't be shy now! And feel free to contribute to the WUN list and to this column!!

OK. On to the juicy stuff now.

WUNer Klaus Betke (klaus@aku.physik.uni-oldenburg.de) sent in an article about listening to longwave stations with the help of a spectrum analyzer! Frequencies in this part of the spectrum are low enough to allow equipment other than radios to receive the signals. I am sure you will find Klaus' experiments very interesting. Let us listen to Klaus tell us all about them! (The article that follows has been adapted from his original submission plus subsequent correspondence with him.)

***************************************************************************

Longwave Observations with an Audio Spectrum Analyzer  by Klaus Betke

Those of you who have access to a FFT (Fast Fourier Transform) analyzer in the audio frequency range can use this instrument for an exciting VLF radio experiment. The analyzer needs not be professional measurement gear; there are programs that turn a PC with a sound card into a spectrum display.

As an antenna, I use a piece of wire about 1 ft (30 cm) long, which is connected to a high impedance amplifier with 20 dB gain. You can use a cheap TL071 op amp integrated circuit, which is a FET-input operational amplifier made by Texas Instruments. The amplifier must have a high pass characteristic with a cut off frequency of a few kHz; otherwise the analyzer input is likely to be overdriven by hum from the power (mains) line. If you are interested in a circuit diagram, please send an e-mail to me at klaus@aku.physik.uni-oldenburg.de.

With the antenna placed a few yards (metres) outside the house, numerous Navy emissions will produce lines on the spectrum display. Furthermore, Omega navigation signals on 10.2, 11.05, 11.33, 13.6 kHz and one or more of the eight frequencies unique to each station can be clearly identified. What you will see depends not only on your local noise floor, but also on the analyzer's dynamic range and on the presence of very strong signals.

I use the HP 3569A portable analyzer, which has an input resolution of 12 bit. If the German Navy station DHO38 is on the air on 23.4 kHz (it is located only 40 km from my QTH), the signal of Omega station Liberia on 12.0 kHz vanishes below the least significant bit.

***************************************************************************

Thanks, Klaus, for sharing your experiments with us. If any of you try this, send me your thoughts and findings. Needless to say, the spectrum analyzer is not fast enough to allow you to see the CW played on the screen (by means of the carrier notch going up and down visually). However, as Klaus suggested to me, one can measure the RTTY shift by the zoom FFT feature. If only I had seen this article when I was playing with spectrum analyzers in my University's electronics lab!

This method allows you to find active frequencies and tune a radio to hear them sing. I am wondering if this approach wouldn't help beacon hunters determine quickly the active frequencies and tune them in, as opposed to sweeping the band with the tuning dial listening for catches - a process that can take quite some time!

---

We also received a proposal from WUNer Graham Tanner (ex-G6SUQ, gmt@delphi.com) from London, UK. I thought to share it with you all and get your feedback, especially from our friends in Europe who would have a stake in this. So here is Graham with his idea:

I have not seen much mentioned about European NDBs, and I think that perhaps this is because there is not much information about them. I have a few books from the Royal Air Force which cover most of the globe,
in terms of airfields, airports, and all manner of aviation facilities. The books are RAF En-Route Supplements, quite similar to the US DoD FLIPS; the 4 that I have cover: British Isles and North Atlantic, Northern Europe, Mediterranean Europe, and Africa and Southern Asia. The areas not covered are: North & South America, Northern Asia, Australia, and Russia and the eastern bloc countries.

What I am willing to do, is to trawl through each book extracting all the NDB information into a single file. The information available is: code, name, frequency, and position (accurate lat/long). I have made a start on this already, and have done about half of one book. Before I get too far, I have a few questions.

Firstly, do you want the information, or do you already have it? Do you want all 4 books done, or can I leave some/any out? Finally, the books list a number of beacons as Locators, but the seem to fall into the LF freq range; should I include these also? [Please forward your views on all these questions to Graham, with copy to me at: karayan@crow.cybercomm.net - Editor]

I am compiling the data into a plain ASCII file. I have already tried a few sorts on the data, to see it in freq order, or location order. Here is what it looks like:

<table>
<thead>
<tr>
<th>NDBS</th>
<th>c/s</th>
<th>Station</th>
<th>Freq</th>
<th>Locn</th>
</tr>
</thead>
<tbody>
<tr>
<td>AB</td>
<td>Akraberg</td>
<td>N61 23.58 W006 40.05</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AP</td>
<td>Aberporth</td>
<td>N52 06.98 W004 33.57</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AQ</td>
<td>Aberdeen</td>
<td>N57 08.30 W002 24.18</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AR</td>
<td>Akureyri</td>
<td>N65 45.27 W018 05.63</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AS</td>
<td>Angisoq</td>
<td>N59 59.28 W045 10.45</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ATF</td>
<td>Aberdeen</td>
<td>N57 06.47 W002 06.27</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BHD</td>
<td>Bournemouth</td>
<td>N50 46.63 W001 50.47</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The 'c/s' is obviously the CW ident. The location is latitude followed by longitude in degrees, minutes and hundreths of a minute. The ASCII format that I mentioned is as used on a PC - no control codes or formatting codes, just letters and number and spaces, with a CR/LF pair at the end of each line. This way, it's easier to sort the list into c/s order, or frequency order, or even location order. Is this format good enough for you?

[Regarding locators...] I have not listed these, but will add them if you want them. What I have so far is 100% NDBs, but if I add-in the 'locator' beacons, I will need to identify which are NDBs and which are not.

Well, IMHO this is a very worthwhile effort! The column already has a list of European (and Middle Eastern and North African) beacons, but it is a bit old. Maybe we can reconcile the two lists, once Graham is done.

It seems to me that what we will have in Graham is a VERY dedicated long-waver. Indeed, we have a man of very great patience - and ten very sore fingers :) Thanks, Graham, for your sharing spirit!

---

Before I forget it, here is the URL that I couldn't find in my files last time: http://www.mdsroc.com/navaid

This is a URL submitted to us by Kevin Carey, the editor of Below 500, the excellent longwave column in Monitoring Times. This great site is maintained by Chris Piggott, (W2ZB, chrisp@mdsroc.com) and is the only I know of that you can search by frequency as well as ID!

Thanks to all of you who sent me the URL. Shame on me for losing it!

---

Last, but certainly not least, the current version of the WUNTED list:

<table>
<thead>
<tr>
<th>ID</th>
<th>Freq.</th>
<th>Heard in</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>TE</td>
<td>214</td>
<td>NE USA</td>
<td>or N; double sideband, period</td>
</tr>
</tbody>
</table>
This is a list of unidentified longwave stations submitted by WUN members. If you can help us identify any of these stations, send mail to:
karayan@crow.cybercomm.net
New submissions are always welcome. Send as much info about the logging as you can.

Somebody asked me if European stations are welcome here. The answer, of course, is a resounding YES! So keep 'em coming in!!

Well, that's it for now! Turn your dial and come down to see what lurks in the basement!

73 es gud DX, de George, N2OWO

# UTILITY ROUND-UP #
[ editor: Ary Boender ary@bitbike.com 2:283/512.24 ]

Hi WUNnies. I have been looking around for material that might interest you and I hope that you like it. Have fun! Please note my new e-mail address.  -Ary-

Radio navigation signals, part 4

I received the following supplemental info to the 'Radio Navigation Signals' series. Thanks for your kind reactions!

-> CHAYKA is the Russian equivalent of Loran and is fully compatible. It also operates on 100 kHz. There are 15 stations forming 4 chains:
  1) European chain: Bryansk, Petrozavodsk, Simferopol, Slonim, Syzran
  2) Eastern chain: Petropavlovsk-Kamchatsky, Aleksandrovsk-Sakhalinsky, Ussuriysk, Okhotsk, Kurilsk
  3) Northern chain: Dudinka, Inta, Taimyr, Pankratyev island
  4) N-W chain: Inta, Pankratyev island, Tumanny

-> ALPHA. Two new Alpha stations were added to the chain; Murmansk and Ashgabad can now also be heard on 11.905, 12.649 and 14.811 kHz.

-> SPRUT is a fairly new system, designed in 1992 and is based on spread spectrum techniques. It is a Russian system similar to BRAS-3 and RS-10. SPRUT operates in the range 1550-2050 kHz.

-> RS-10's predecessors were RSWT-1 and RSWT-1S.

-> Art Ruben, radio officer on my Sealand Integrity, invited me on board of the container vessel when it called at the port of Rotterdam. Art showed me the extensive radio navigation equipment and the radio room. It was impressive. When GMDSS takes over, lots of the equipment I saw will not be necessary anymore. Too bad...... Art gave me the following additional info about RDF:
  During heavy fog it is difficult for a helicopter to find its way to the ship where it has to deliver a pilot. To help the heli pilot to find the vessel, the ship often transmits long dashes + their callsign on 410 kHz. The helicopter can use this as a homing beacon and can
thus find the right vessel without even seeing it.

-> Supplementary to the Consol paragraph. Former European Consol stations:

<table>
<thead>
<tr>
<th>Location</th>
<th>Callsign</th>
<th>Freq</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stavanger</td>
<td>LEC</td>
<td>319</td>
<td>58 37.5N 5 38E</td>
</tr>
<tr>
<td>Bushmills</td>
<td>MWN</td>
<td>266</td>
<td>55 12N 6 28W</td>
</tr>
<tr>
<td>Ploneis</td>
<td>FRQ</td>
<td>257</td>
<td>48 01N 4 13W</td>
</tr>
<tr>
<td>Lugo</td>
<td>LG</td>
<td>285</td>
<td>43 15N 7 29W</td>
</tr>
<tr>
<td>Seville</td>
<td>SL</td>
<td>315</td>
<td>37 31N 6 02W</td>
</tr>
</tbody>
</table>

-> GEOLOC is a radio positioning system with land based transmitting stations. The transmitting stations radiate spread spectrum signals in the 2 MHz band. The system has a range of 1000 km and an accuracy of about 2 meters. The measured distances are made available for external processing whenever desired and are converted by the central processor connected to the receiver into a fix which is corrected in real time for propagation speed variations. Geoloc can be linked to Transit and Navstar satellite systems when set in 'H' mode. The satellite info improves the result of Geoloc's fix. When used in AS mode, all transmitters are synchronized through a monitoring station and two-way HF links. In GEOSYL mode all transmitters are synchronized through a two-way time transfer SYLEDIS chain. The last known chain was in France with stations in Plouray, Aizenay and Hasparren. It closed down a few years ago. The system reportedly has no current users.

-> DGPS. Australia has 3 trial DGPS stations;
- Cape Schanck, Victoria 314 kHz
- Karratha, Western Australia 304 kHz
- Horn Island, Queensland 320 kHz
All use the standard protocol - MSK at 100 bits/sec

-> Additional VHF/UHF and satellite systems:
- GEE is a British system, similar to LORAN but using VHF frequencies. This limits the system to line-of-sight.
- SECOR (Sequential Collation of Range) was a US Army satellite navigation and positioning system. Thirteen satellites were launched between 1964 and 1969. Most of the satellites were small (17 kg - 20 kg) and boxy.
- TRANSIT was the first operational satellite navigation system. Developed by the Johns Hopkins Applied Physics Laboratory, the system was intended as an aid to submarine navigation. The Transit system allowed the user to determine position by measuring the doppler shift of a radio signal transmitted by the satellite. The user was able to calculate position to within a few hundred meters as long as the user knew his altitude and the satellite ephemeris. The system has several drawbacks. First, the system is inherently two dimensional. Second, the velocity of the user must be taken into account. Third, mutual interference between the satellites restricted the total number of satellites to five. Thus, satellites would only be visible for limited periods of time. These drawbacks pretty much eliminated aviation applications and severely limited land-based applications.
- TIMATION. Developed in 1972 by the Naval Research Laboratory (NRL), Timation satellites were intended to provide time and frequency transfer. The original satellite flew with stable quartz crystal oscillators. Later models flew with the first space-borne atomic clocks. The third satellite acted as a GPS technology demonstrator.
- PARUS (TSIKADA-M). Russian six-satellite military navigation system.
- TSIKADA. Russian is a passive Doppler, four-satellite, civil navigation system similar to the US Transit system.
TSYKLON. First navigation satellite launched by the Soviet Union in late 1967. The satellite is based on Doppler techniques demonstrated by US Transit system.

Sources: Art Ruben, Robert Moore, Väino Lehtoranta, Kevin Carey, Sercel France and Glenn Dunstan.

Utility Round-up

- **Mossad**: in addition to the frequency list in WUN#11, the Mossad was also heard on 2120, 2844, 2953, 3495, 4165, 4230, 4461, 5060, 7746, 10172 and 17966 kHz.

- **Mystery Signals**: Mike Chace wrote us about a mystery system that he's been hearing for a year now. Any info is more than welcome folks! This is what he writes: "About a year ago strange signals have been copied on the following freqs: 8090.7/8091.7 kHz, 6899.2/6898.2 kHz and 5292.7/5293.7 kHz.

  If you monitor one of these frequencies, every 3 minutes or so, you will find a 100.3bd/200Hz signal send ten bursts of about 1.2s duration and disappear. The 100.3bd signal appears simultaneously on each of the // frequencies. Either that, or it's a very grotty 1 kHz shift system!

  If you wait for the 5 Meg frequency to send, you will then find it quickly on the 6 Meg one, following that, the 8 Meg one. This makes me think that it is a stepped transmitter ala HEP3, 5, 7, 9. If the whole cycle takes 3 minutes there must be a few more "channels". The signal sounds very "birdsong" like. It *does not* sound like the 100bd SITORB-like signals you get between some of the speech scrambler systems. Someone has suggested that this is some sort of Automatic Link Establishment (ALE) system. Have any of you heard it? All frequencies are usually S5 in the UK until about 20.00 UTC."

- **Counting Stations**: A couple of months ago I found in the ENIGMA newsletter the translation of the messages that the 'Russian Counting Man' stations are transmitting. Digging a bit deeper, I heard from reliable sources that these stations are normal Russian military stations, most probably the army.

  So far two different formats were copied with various callsigns. The first one is very hard to find because it uses random freqs. It was last heard on 3824 kHz during the evening (UTC). The station transmits live and uses the following format (in Russian of course):

  "I am _callsign_, transmit tuning, await confirmation of tuning (2x).
  1234567890 0987654321 (3x)"; The transmissions last only 2 minutes. The second one uses several fixed freqs and transmits endless tapes with the following text: "I am _callsign_, I have nothing for you.

  1234567890". Sometimes the QRU part (I have nothing for you) is replaced my a message. The most frequently used freqs are 4633, 4328 and 4040 kHz. The best chance to hear them is again during the European evening.

- **The Maritime College of Aaland Island in Finland** was recently heard by Bert van Rij in Sitor-A on 12487.5 kHz. Bert received a QSL from them together with a list of the school’s equipment. Their shack consists of 1 MF/HF Skanti 8200Ts TX/RX for A3J, J3E, SSB telephony and F1B NBDP, 2 MF/HF DSC Skanti 9000, 1 VHF DSC 55-channel Skanti, 1 2182 kHz watch receiver, 1 Navtex receiver, 1 SART and 1 EPIRB. Nice shack!

- **News from Henry J. Hampel**, 4033 Blow Street, St.Louis, Missouri 63116, U.S.A. He writes us the following: "I have a beacon radio station, which became operational on June 28, 1995, with a 100 mW transmitter and a vertical antenna. The radio beacon is now operating on 1690 KHz, with tone-modulated CW, 24 hours a day. Reception reports have been received from locations up to 800 miles away. The call letters are 'STLMO' and it is located in St.Louis, Missouri. An address for verification is broadcast on the beacon.

- **From Harry Helms** comes the news that the well-known DX personality...
"Havana Moon" died on January 9 of lung and liver cancer. He was 59 years old and had lived for the past few years in Ossining, NY. His health had not been good since last summer, and he was diagnosed with terminal cancer shortly after Thanksgiving.

The Dutch IFOR troops have been heard on 5522 kHz USB.

When I visited the USA for the first time, I was surprised to find radio stations broadcasting airfield info, info about a national park or Cape Kennedy. They were only audible within a short range of the events that they covered. Yep folks, we're talking about TIS here. NTIRE, the National Travelers Information Radio Exchange is responsible for the Travelers Information Stations (TIS) or Highway Advisory Radio (HAR). These are generally limited power radio stations of 10W maximum, operating on a secondary basis in the AM band. 530 and 1610 kHz are designated for use by TIS, however; due to the new FCC rules, TIS are now allowed to broadcast on any frequency in the AM band. The stations must operate according to non-commercial, voice-only content restrictions. There are a couple of hundreds TIS/HAR stations in the USA and reportedly also a couple in Canada. The most used freqs are 530 and 1610 kHz + 830, 870, 1290, 1480, 1500, 1620 kHz.

That's all for now. See ya next month..........
some logs from some of the other countries represented in WUN.

=CIVIL AERO=

3016 Reach 0DQ2 1000 USB to Lajes. (JP2) BHZL 0454 USB Gander/ARP 48N40W F370. United 950 2324 USB JP-DH NY/Selcal check on the ground at IAD. (TO)

3455 Flt 574 0133 USB wkg NY requesting FL 350 from 390; declared emergency (confirmed twice) unable to get full power from right engine. (MS2) Alitalia 631 2342 USB EK-LM NY/ARP MIA-FCO ETA 0705 LOU1Z 2341 F290. Cubana 485 2341 USB NY/ARP JESSE F370 MAPYL IL62 entm YMX-VRA-HAV, first time for me logging this flight. Iberia 6620 0159 USB KM-AJ wkg NY/ARP 36N60W F350. (TO)

5508 UNID 1214 USB undid stn clg Quibdo (Colombia) ATC. No joy, but first indication that Quibdo is also on this frequency. (DHM)

5530 Aviateca 931 1238 USB 1st Flores then Aurora (Guatemala), no joy on either. Later, joy with Flores. This flight is heard every Wednesday between 1230 and 1300. May be there other days as well (DHM).

5532 DMO 4673 0217 USB Clg Praha R. here no joy. (TO)

5535 Flight 918C 2322 USB Speedbird LHR LDOC/Pp to Maintrol @ LGW poss. enrt Casablanca. Speedbird 292 2330 USB LHR/Pp to Maintrol Ops re: windscrew heater problem. Speedbird 142 2349 USB Ag-LH LHR/Enrt Delhi-LHR o/h Tehran ETA LHR 0454. Speedbird 224 0042 USB NY/Pp to Ops re Skyvideo screen's in 1st Class inoperable. USAir 894 0221 USB BP-HP LHR LDOC/Selcal check o/h Canada. (TO)

5541 Air France 596 0152 USB wkg Stockholm, pp to Ops re: passport problems for three pax from HKG: they will have to be detained upon arrival, do not have proper visas to enter France. EC-FPK 0043 USB Stockholm/PP w/Air Europa Ops B757-200. ROL 212 0155 USB Stockholm LDOC/pp to Heathrow Ops. (TO)

5544 SAUDIA 113 2338 USB passing traffic to Jeddah...also wanted Jeddah to try to call up IBERIA 021 with no success...probably because CUBANA 471 was booming in w/repeated callups to Havana. (TB)


5556 Pasto ATC Colombia 1241 USB tfc w/ Cali. Pereira ATC 1218, called Cali, tfc. Popayan ATC 1226 called Cali, tfc. Pasto ATC 1202 USB Called Popayan, then tfc. These two are real chummy. YL at Pasto must be named Marta, as Popayan calls her "Marta" and he must be Carlos as she calls him "Carlosito". The ita/ito ending is an attachment to Spanish names used for either children or good friends. Ipiales ATC 1204 USB tfc w/ Popayan. A new one for 22 Colombian airports hrd, including 12 on this frequency. (DHM)

5562 Boyero ATC 1149 USB tfc w/undid party. Santiago ATC 1235 USB clg Boyero, tfc about a salida (departure). Cayo Largo ATC 2257 USB tfc w/Boyeros. Varadero ATC 0020 USB answered a call by Boyeros, but Boyero kept clg, unable to hear Varadero. Varadero tried to make contact for over ten minutes before giving up. These are Cubans (DHM).

5565 REACH 70012 0539 USB Recife/ARP crossing UB602 F340. (TO)

5564 NIKE 6 0300 USB HNL/ARP F270 req block F260-300. (TO)

5598 IFB 05 01/13/96 1835 USB wkg Shawwick, FL210. QUID 11 01/13/96 1835 USB clg Santa Maria. No contact. ALW 602 01/23/96 2210 USB wkg New York, recleared FL390. BAW 237 01/23/96 2150 USB wkg New York, BDKL, 747 G-BDXG, 4440 105 4050 3660. (HW) Air Force 1 0035 USB receiving clearance to cruise mach .86. Reach 600 1940 USB Selcal F3-BM. Titan 82 1025 USB to Lajes. Reach 33/35/36 0025 USB 45-40W to 47-50W / FL 160 (C-130s ?). (JP2) Air Force 1 USB wkg New York ATC w/posn 42n 50w at 0001z flight level 330, Mr. Clinton on his way to see the boys in Bosnia. SAM 26000 0012 USB reporting 42n 50w at 0011z w/New York ATC. (KM) Aeromexico 039 0257 USB BC-QR NY/ARP 36N60W F330. AeroFlot 338 0513 USB Shanwick/ARP 50N40W F330 neg selcal. Air France 031 0539 USB DG-BM Gander/ARP 4N40W F330 req F370. Air France 047 0200 USB

REACH 90029 2132 USB wkg Gander no joy, UAL909 called Gander abt 90029 cgl heard "strength on", nothing on 8864. LOBO 340 2133 USB wkg Gander 45n40w 2125 FL310, 48n50w 2225 w/dest CYQX (Gander). (BH)
WUN-v02

5850/next. AIR FORCE 1 01/13/96 2310 USB wkg Gander, 61n40w/2328.

IFB 01 01/13/96 2330 USB wkg Iceland, called several times by Iceland & Gander. No contact. IFB 06 01/13/96 2125 USB wkg Gander, PMEK, 130 130315, 51n50w/2229. IFB 76 01/13/96 1935 USB wkg Gander, 48n50w/2220. IFB 88 01/13/96 1950 USB wkg Gander. Recleared to FL240. IFB 89 01/13/96 2105 USB wkg Gander, GJBD, 130 130342, 30w eta Gander/0115. SAM 26000 01/13/96 2245 USB wkg Shanwick, AEJP, 707 26000, 6130/2325 350 6140/0005 5950/next. BSK 296 01/13/96 1955 USB wkg Gander, FL350. CUB 9701 01/13/96 2230 USB wkg Gander, ACFL, 4030 4040 3355 to MUCU. DHL 012 01/13/96 2125 USB wkg Shanwick, FGAJ, D8F N805DH, To Brussel. Switching to 2899. WOA 6200 01/13/96 2235 USB wkg Gander, GHCR, 6030 390 6040 5850. A6hSHZ 01/13/96 2025 USB wkg Gander, 6250 280 6160 to 134.75 Montreal. N7602 01/13/96 2240 USB wkg Shanwick, FL390. VRhBKC 01/13/96 1940 USB wkg Shanwick, to 2899, later back. 5930 350 5940 5850. CFC 106 01/21/96 1855 USB wkg Iceland, 63n30w/1913 FL270 to 2899. QUID 57 01/21/96 1855 USB wkg Gander, 50n20w/1853 FL270 50n15w/1925 now in a left turn. 50n10w/2006 50n08w. REACH 20535 01/21/96 1850 USB wkg Shanwick, 5020 280 5030 5240 to 122.375. SHELL 32 01/21/96 1603 USB wkg Shanwick, 5610/1600 350 5720/1645 5830 5840. (HW) 70 0289 1100 USB 57-30w to 57-0w. Sam 6024 FL 410/Selcal AFhHP/ 53-20w. 53-15w. (JP2) N663MN 2240 USB Gander/APR 61N30W F370. N817M 2142 USB Gander/APR 54n30W F390. SJM 6216 2247 USB DG?? Gander/ARP help w/selcal!. (TO)

5643

QF-4 1306 USB wkg Honolulu radio to Sydney. NZ-75 2117 USB wkg Brisbane radio Christchurch to Bangkok 767. QF-45 2201 USB wkg Auckland radio to Chichthurch 747.400. NZ-32 2209 USB wkg Brisbane radio Osaka-Brisbane-Auckland 767. Cathay-107 2210 USB wkg Brisbane radio Hong Kong to Auckland. NZ-15 1319 USB wkg Honolulu radio, FL350, Los Angeles to Auckland. UNITED-841 1333 USB wkg Nadi radio, Los Angeles to Melbourne. HAWIAN-842 1337 USB wkg Honolulu radio. PACIFIC-952 1338 USB wkg Nadi radio, Nadi to Brisbane Airway B599 170.30e LTO next (Noumea). NZ-6981 1345 USB wkg Honolulu radio, Honolulu to Nadi Airways A-579 CONIE (02.01n 170.19w) CUFFY (05.00s 174.39w) IDEMU (10.00s 177.41w). QF-100 1346 USB wkg Nadi radio, Los Angeles to Auckland then Melburne 18.00s 17000w 25.0s 175.00w next AQCF VH-03G 747.400. QF-101 1347 USB wkg Auckland radio, Fl 330, Melbourne to Auckland & Los Angeles Airway G594 NUPTO (28.43s 170.00w) OVTOS (25.14s 165.00w) Raratonga next, BIPUP (17.28s 157.00w). XD-07 1404 USB wkg Auckland radio, Block FL 180 to 270 5643 primary 3467 secondary. this is one or the Antarctic re supply flight's using C-130 a/c from the USAF, Don't know if it's comming from the ice or going to the ice (sorry). [actually XOs are USN a/c of VXE-6, but technicly a/c are owned by National Science Foundation (NSF). This Operation DEEP FREEZE support mission will be turned over to USAF/ANG in a few years -LOGS] NZ-101 2104 USB wkg Auckland radio, Auckland to Sydney. NZ-154 1230 USB wkg Auckland radio, Melbourne to Wellington. Korean Air-662 1231 USB wkg Nadi radio, Auckland to Seoul. Solomon-700 1242 USB wkg Brisbane radio, Honiara to Brisbane. Pacific-810 1243 USB wkg Honolulu radio, BGAD, ZK-NZY 747.200. QF-104 1245 USB wkg Auckland radio, Los Angeles to Tahiti & Auckland & Melbourne, EGFM, VH-EAA 747 SP. NZ-18 1252 USB wkg Tahiti radio, Auckland to Los Angeles, GMBR. Any help please? (SB)

5649

WUN-v02

5652

5658

5660
Kap Radio 2331 USB tcf w/Royal 451. Assume this is Kapuskasing, Ontario, CAN. Unid SS tcf here 0000-0004 USB w/mentions of Iquitos & Cajamarca, both cities in northern Peru (DHM).

5663
Monteria ATC 2210 USB clg Barranquilla but no joy. Joy at 2228 retry. ACES 534 2213 tcf w/ Monteria. ACES is Aerolineas Centroes de Colombia, another small airline (DHM).

5665

5666
N342TC 1144 USB desc from FL370 to FL350 w/pson report to Perth Radio, Charlie Zulu Gulf 1147 USB req selcal ck from Perth Radio. Selcal was BE-FM. (RW)

5677

5686
Speedbird 292 0041 USB req flight level 37000. (RR) Ambar 310 2246 USB CE-MS NY/ARP 33N60W F310 A310 HI-659 of AMY. American 1728 2028
WUN-v02

USB AH-EQ NY/Selcal check. Biscayne 602 2032 USB GJ-BK NY/Selcal check. Canforce 1250 1946 USB GH-AL NY/Selcal check. N144SX 0028 USB NY/ARP MAPYL F290 squawk 2126 req F330. TOOKY 73 1900 USB NY/ARP passed SLATN 1834 F150-200. TOOKY 63 1901 USB NY/ARP est ZIBUT 1940 F150-200. TOOKY 64 1914 USB NY/cleared to F220 when able QSY 121.2. (TO)

6617 Lima ATC 2239 USB tfc w/Chiclayo. This fq listed in Bob Evans' book, but first time in many tries that I've hrd any Peruvians here, so not much used. (DHM).


6646 Unid: FF aero comms 0343 USB wkg sev a/c in FF, caught "0106, diagonale...". (RB) [update: Tony Orr sez this is Quebecois accented FF, so possibly Royal LDOC, Montreal -LOGS]

6649 Panama ATC 0009 USB tfc w/American 933 (DHM). American 931 0204 USB GKhLS Panama/req dir TOC F370. (TO)

6855 Unid 2024 USB w/"go to channel six" (RM) FLIGHT FOLLOWING 1217 USB wkg unid a/c who was at Bravo 52 Xray 37 Tango 11...FLIGHT FOLLOWING asked the a/c if he wanted wx for (Stockholm?) Meteo...gave 1200 actual as 1700 overcast, visibility 15 miles, temp -1, wind 200 at 5 knots...my guess w/signal strength & accents is somewhere in Ontario but I'm not sure. I believe the wx fits that location but maybe someone has a better idea. (TB)

6876 Unknown German airliner 2023 USB attempting a pp to Germany via Stockholm LDOC. No answer from number called, Stockholm offered to call the a/c back on sel-cal to try again in 30 mns. Pilot said sel-cal was Avro RJ-85 (DABNH) (2041z) Air Europa flight AE744 attempting same, got connected to pilots home number in Italy; greetings to family in Italian. (GT)

8170 BRITANNIA 182B 2315 USB wkg Portishead, switched to 8960 for complete msg. (TB)

Amerijet 744 2032 USB HK-DJ NY/ARP SWORD 2131 F330. American 1786
2151 USB AM-GQ NY/ARP est KRAFT 23 F310 SJU-JFK. AmTran 125 1956 USB
8 1856 USB EG-AJ NY/ARP est LETON 1903 F390. TWA 21 2220 USB AE-KL
NY/ARP est KRAFT 2236 F350. VASP 882 1957 USB CE-BD NY/ARP LENDT
F350. (TO)

United 976 0347 USB clg Porto Velho, no joy (DHM). Air Europa 115
0220 USB HS-GK wkg Cayenne/ARP 1110N4717W F350 enrt Tenerife
Sur-International del Caribe Margarita. KLM 716 0521 USB BK-PL wkg
Piarco/ARP 08N54W F290. SAVA 9923 0215 USB wkg Manaus/ARP no details
copied. VARIG 2057 0542 USB Manaus/ARP MTU 0539 F330. (TO)

Springbok 203 2156 USB Recife/ARP CPT-MIA F350. VARIG 741 0247 USB
Sal/ARP F350 est POKLA 0325. Air Canada 871 1428 USB Gander/ARP
60N30W F330. (TO)

USB AP-KQ Gander/ARP 60N30W F310 60N40W 58N50W. American 51 1422 USB
AH-JQ Gander/Selcal check. American 65 1425 USB JF-EQ Gander/ARP
American 109 1441 USB EG-CM Gander/ARP 60N30W F370. American 149
1329 USB HQ-RS wkg Gander/ARP 61N30W F330. Continental 75 1404 USB
CM-BF Gander/Selcal check. Delta 11 1347 USB EQ-BD Gander/ARP 61N30W
USB EQ-BJ Gander/ARP 61N40W F330. Delta 81 1444 USB EQ-AL Gander/
Selcal check. Delta 73 1527 USB CK-BL Gander/ARP 60N30W F370. Gold 02
1234 USB Gander/ARP 54N30W F280 53N40W 51N50W. Hoist 03 1244 USB
Gander/ARP 60N30W F350 60N40W 59N50W. Northwest 39 1323 USB CJ-BL
Gander/ARP 61N30W F350 60N40W 59N50W. TWA 82 1410 USB DJ-BA
Gander/ARP 60N30W F350 60N40W 59N50W. TWA 83 1439 USB AB-HK
Gander/ARP 59N30W F350. United 901 1227 USB AG-US Gander/ARP 60N30W
F370. United 915 1404 USB AQ-BM Shankw/ARP 20W F330 61N30W 61N40W.
JP-DH Gander/ARP 61N30W F390. (TO)

ANSETT-796 2222 USB wkg Brisbane radio. Suspect this a/c is Ansett New
Zealand Bae-146. NZ-21 2240 USB wkg Brisbane radio Auckland to
Singapore, 767. Cathay-108 0330 USB wkg Brisbane radio Auckland to
Hong Kong 747.400. Malaysian-136 0337 USB wkg Brisbane radio Auckland
to Kuala Lumpur. Thai Inter-992 0340 USB wkg Brisbane radio Auckland
to Bangkok MD-11. NZ-203 0356 USB wkg Brisbane radio Christchurch to
Brisbane 767. United-842 0402 USB wkg Brisbane radio Melbourne to Los
Angeles. VH-SVN 0435 USB wkg Lord Howe Island. Singapore 282 2126 USB
wkg & one call this flight uses the same call sign from
Singapore to Auckland and return Singapore. Niugini 4 2149 USB wkg
Brisbane radio, Sydney to Brisbane and Port Moresby, KMEQ, P2\ANG.
Korean 948 2201 USB wkg Brisbane radio. United 841 208 USB wkg
Brisbane radio, Los Angeles to Auckland and Melbourne. NZ-6983 2319
USB wkg Brisbane radio, I have no idea! QF 47 2325 USB wkg Brisbane
radio, Sydney to Wellington. VH-FAY 2327 USB wkg Brisbane radio
Pa-30 Twin Comanche. PACIFIC-400 2335 USB wkg Brisbane radio, Nadi to
Fua'Amotu. QF-47 2005 USB wkg Brisbane radio, Brisbane to Wellington.
United-862 0308 USB wkg Brisbane radio, Sydney to Los Angeles.
EAGLE-1 0337 USB Called repeatedly by Brisbane radio, nothing from
the a/c, but i believe it may have been an Australian Army
helicopter. Cotam-20 0340 USB wkg Brisbane radio, French Navy usually
a Transall C-160. (SB)

Unid 2134 USB w/ctc w/ Sudan Air 051, which was not hrd. Someone off
freq from 8879? (DHM).

Mauritius ATRC-2130 USB w/ Springbok 287 (DHM). Air France 004 1224 USB
BM-HR Shankw/Selcal check. Air France Concorde 001 1209 USB DH-AB
wkg Gander/ARP 50 30W F545 climbing F590. Air France 004 1224 USB
BM-HR wkg Shankw/Selcal check. Ascot 5978 1324 USB AK-DH Gander/ARP
60N30W F260 59N40W 56N50W. Gander Radio 1226 USB wkg Shankw adv is
turning off 11336 for maintenance at supervisor's request. Lufthansa
444 1212 USB CP-BR Shankw/Selcal check. Lufthansa 462 1228 USB
CG-AK Shanwick/ARP 64N20W F330. Lufthansa 400 1259 USB LM-FS
Shanwick/Selcal check. Martinair 637 1306 USB AR-LM Shanwick/ARP
60N20W F330. Monarch 063 1208 USB GK-FL Gander/ARP 60N30W F330 .79.
New Zealand 114 1245 USB wkg Perth/ARP RERON F350 .80 RIDLE 767 PER-
AKL. Scandinavian 907 1336 USB Iceland/Reykjavik ATC req est 50W 1357.
Speedbird 295 1252 USB BD-EH Shanwick/Selcal check. Speedbird 213
1308 USB EK-PQ Gander/ARP 59N30W F330. Speedbird 175 1357 USB KM-CG
Gander/ARP 59N30W F330. Speedbird Concorde 001 1211 USB BD-AK wkg
Gander/ARP SM 30W F530 climbing. VR-BDC 1310 USB DK-CG Gander/ARP
60N30W F390 req’d F430 @ 1313. (TO)

Montreal Rd. PQ, CAN: 2032 USB wkg 82 GOLF w/posn, selcal ck AM-DK.
(RB)

8884 Jamba 001 0104 USB Nianeye/ARP in the blind IKTAV F370. KLM 598 0033
USB Algiers/ARP KIRMI 0032 F350 DJA 0047. Speedbird 056 0030 USB
Br-AF wkg Algiers/ARP Dirkou 0021 F350 ENDOK 39. Swissair 265 0040
KLM 598 0033 USB Algiers/ARP AMTIL 0043 F330 AMTES 0110. (TO)

8896.5 Tarapoto ATC 1152 USB tfc w/Lima. Cajamarca 1224 USB tfc w/Lima.
Chimbote 1307 USB tfc w/Lima. Trujillo 1324 USB tfc w/Lima. (DHM)

8903 Korean Air 672 0320 USB wkg Port Moresby Sydney to Seoul HL7456
747.SP. Japan air-776 0425 USB wkg Port Moresby radio Cairns to
Narita 747.300 JA-8177. NZ-81 0451 USB wkg Port Moresby radio
Auckland to seoul 787 (SB) Air Gabon 600 2216 USB Kano/ARP F310
w/ests JS @ 2317-KA 2333. Air Gabon 606 2243 USB Kano/ARP dep.
Libreville 2233 F390 est KA 0003 AMSEN 0016 ETA Marseille. Angola 8656 0020 USB
2046 USB KL-CG wkg Luanda/Selcal check on the ramp at LDA. Angola
8060 2136 USB KL-CG wkg Luanda/ARP Luanda-Vitoria 2125 off Luanda
F350 dest 2142. Angola Air Charter Cargo. Cargolux 714 2239 USB wkg
Brazza/ARP UMOZA 40 BT 2307 reg.LX-ECV. Douala R. 2304 USB wkg Clg
Kano re Angola 8060 no joy. Gabon 3357 2023 USB wkg Libreville/ARP
off Bangui 2022 Libreville at 2109 at F250. C1307. KLM 598 2215 USB
Brazza/ARP KOGAN F350. LBT 710 2252 USB Kano/ARP fading in and out
caught reg.F-GHEC MD83 and Air Liberte Tunisie. Lufthansa 569 2042
USB wkg Luanda/ARP F350 BUGRO 42 VVL 2129. N74TS 2027 USB wkg
Brazza/ARP Niameye-Luanda, a/c type WW24 dept Niameye 1848 ETA 2234 est
STM 2100. Niger 001 2007 USB wkg Brazza/Libreville/ARP F350 enrt
Francoville-Niameye ETA 2255, o/h Libreville 2019 737 reg. SU-BAG,
Gov’t of Niger Presidential a/c. SABENA 569 2132 USB wkg Brazza/ARP
BUN Bujumbura-Bruxelles. SLM 6216 2115 USB DL-FG wkg Luanda/ARP AMTAG
21Freddo F330 50. Chadian 056 2217 USB NDJ/ARP SOLPA F350
Speedbird 1058 2251 USB Brazza/ARP TERBA 2250 F350. Speedbird 052
2204 USB wkg Brazza/ARP HRE-LHR F310 G-BNLZ 474-400. Springbook 264
2214 USB Brazzaville/ARP @ CF 13 F350. Springbook 274 2300 USB
Brazza/ARP VONTI 2257 JNB-ZRH airborne time JNB 1931 ETA 0529 F350 CF
at 2310. Springbook 250 2121 USB CD-AK wkg Luanda/ARP VVL 21 F310
ANUBI 2210. Springbook 238 2130 USB wkg Luanda/ARP BUGRO 28 VVL next.
Sudan 422 2322 USB Clg N’djamenaha here no joy. TR-LC3 2020 USB wkg
Brazza/Bangui/ARP enroute Bangui F370 ETA 2120 Falcon 900 of the
Govt of Gabon. Zimbabwe 725 2250 USB wkg NDJ/ARP F370 LGW-HRE reg. Z-WPE.
(TO)

Air France 071 1341 USB AF-CS Gander/Selcal check. Fedex 4 1522 USB
AB-DS Gander/ARP 48N50W F330. Iceair 910 1252 USB LG-CF Shanwick/ARP
F290 40N16w 45N16w. LM411 2224 USB AC-HL SM/at 1510N7315W w/Selcal
check. Any ideas on this callsign? Martinair 603 1243 USB CQ-BJ
SM/ARP 42N20 W290 38N30W 34N40W. United 965 1453 USB AG-KS
Gander/ARP F350 F370. (TO)

8918 Panama ATC 2342 USB w/Argentina 1382. Merida ATC 2355 USB w/LAN Chile
1168. (DHM).

8933 Lufthansa 8795 2217 USB wkg Springbook LDOC/dep NBO 2152 F260 ETA FRA
0540. Springbook 203 0146 USB Springbook LDOC/ARP ops normal F350 @
TURAB 0140 ETA MIA 1000. Springbook 203 0146 USB wkg Springbook
LDOC/ARP ops normal F350 @TURAB 0140 ETA MIA 1000. West Indian 700
Page 150
Belem 0220 USB tfc w/unid Varig flight. I'm hearing Portuguese Brazilian tfc every afternoon & evening, as per Dan McCreery's tip, but it's tough to ID (DHM).

Singapore Radio 1650 USB wkg various a/c. (GG) Malaysian 2638 1132 USB to Singapore radio w/posn report & selcal check. Speedbird 9 1132 USB to Singapore radio w/posn report. Lufthansa 774 1134 USB w/posn report to Singapore radio. Singapore 2 1138 USB w/posn report to Hong Kong radio. Speedbird 9 1139 USB w/posn report to Singapore radio, now at FL270. Very busy with traffic for Singapore radio that callsigns were read out so fast I couldn't catch them and the other stations on frequency. (RW) BZN 1248 USB wkg HO CHI MIN Radio, GQHM, any help please?? Tha1-984 1249 USB wkg Singapore radio, GKCL, HS-TGA 747.200. Singapore-17 1301 USB wkg Singapore radio. Singapore-805 1307 USB wkg Singapore radio, Shanghai to Singapore DFGM, any help please?? (SB)

Unid LDOC 2343 USB (probably Harare) w/msg from '210' saying that he'd be in Kinsasha in 45 minutes. (TB)

Unid Bolivian Aeros 2254-2306 USB Tfc about flights between several Bolivian cities, but missed initial ID (DHM).

UPS 805 2128 USB clg Miami Radio but no joy (DHM)

BRITANNIA 182B 2315 USB wkg Portishead...blocks at Gatwick at 0445 w/262 passengers...then on to Manchester w/87 passengers (93 male, 92 female and 2 children). (TB)

Unid 0800 USB Arabic inter-airfield net (ANEE)

Areqquila ATC 1144 tfc w/ Lima. Also hrd Lima call Andahuaylas, Ayacucho, Cuzco & Pisco. Joy, but I didn't hear a trace of the other stations. Must be much lower-powered. Areqquila ATC 2154 tfc w/Lima. (DHM)

LAN Chile 1168 2145 USB tfc w/Lima, then called Guayaquil but no joy. Pascua ATC Easter Island 1250 USB weak w/tfc w/Lima about Argentina flight 1883. Iquitos 2227 USB clg Lima, tfc (DHM).

Unid Airline Ops freq 1713 USB 'Something MB' clg 'Something Operations' in FF, faint sel-cal tones in the background. Possibly Corsair Ops or Tunis Air Ops (the latter have an aircraft 'MB', TS-TMB an A.320). (GT)

Honolulu 0102 USB wkg various a/c. (GG)

Avianca 015 1927 USB GLhEJ NY/ARP 40W F330. (TO)

DHL526 1914 USB w/pp via unid to Miami. (MF2)

Madrid Air 1515 USB wkg Air France 1149 (ANEE) [should be Stockholm Radio?? -LOGS]

Air Mike 9PSC 0852 USB wkg Honolulu, Posrep & selcal FJ-EK. Honolulu directed him to primary 6532. (AW) Air Mike 977C 2127 USB wkg Honolulu radio, Guam to ?, FJEH, N68046 DC-10.10. United 821 2129 USB wkg Honolulu radio. (SB)


Rich Int'l flight RIA1900 1127 USB wkg Berne Aeradio, reporting their departure from LIPA (Aviano AB, Italy) at 1025, estimating LTAG (Incirlik, Turkey) at 14.00z, sel-cal is BD-LM, (= Rich Int'l DC-8 NL805). Berne asked they to QSY to 10046. (GT)
13261  NZ-31 2349 USB wkg Auckland radio, Auckland to Singapore & Kuala Lumpur. Reach 6E7 2354 USB wkg Nadi radio, Honolulu to Pago Pago. QF-3 0251 USB wkg Nadi radio, Sydney to Honolulu. (SB)
13264  Shannon Volmet 1819 USB aviation wx. (KW2)
13270  Gander Radio 1821 USB aviation wx. (KW2)
13306  Speedbird 293 1824 USB wkg NY Radio; ELT beacon heard 1805Z while a/c at 40,59N, 04,49W. NY Radio 1836 USB to other a/c req confirmation of ELT beacon. (KW2) Continental 63 1534 USB CM-HK NY/ARP 39N50W F310. (TO)
14890  Unid 1545 USB UK phone patches (ANEE) [Portishead Radio LDOC -LOGS]

-DIGITAL MODES-

Please note that ARQ is used for Sitor-A, FEC is used for Sitor-B, and both of these modes are 100/170 unless noted otherwise. RTTY is used for Baudot. (This is to save space, not as a statement of correctness -ed).

129.1 DCF49: ASCII 200b Klingenfuss id’s this as "IRA" but the if I set the M7000 to 200 baud ASCII, it partially decodes the signal. It generally comes out as rubbish but, every so often, comes "TEST DCF49". (PT)
129.5 SOA 212 : Warsaw Meteo 2130 RTTY 50/135 Wx (RR2)
147.3 DDH47: Amburgo Meteo 1320 RTTY 5/75 Qra (RR2)
518  GNI: G 1800 FEC Niton radio mayday alert mv Covasna yqkk crew 22 pos 41.36n 18.05w. 9AS: HRV 1859 FEC Split radio navtex mgs. SDJ: S 1932 FEC Stockholm radio navtex mgs. (BVR)
1611.5 LGB: NOR 0556 ARQ Rogaland radio mailbox mgs (BVR)
1657.2 Unid 1900 ARQ-E 3 200 (ANEE)
1677.2 Unid 1900 ARQ-E 3 200 (ANEE)
1905  SAB: S 1822 ARQ Goeteborg r sc ezfs (Bvr)
2038  Unid 0247 Unid 110/170 u/i TP sys (RM)
2195.2 DHM44: Grengel Meteo 2300 RTTY 100/400 Wx (RR2)
2296  DER: Moi Bonn 2200 ARQ-E 96/170 Idle (RR2)
2342  DHJ51: Grengel Meteo 0057 FAX 120/576 wx FAX (DG)
2387.4 HFV8H: D 1831 ARQ-E 96 NGN Bremen idling (BVR)
2461.5 Irish Navy 0140 ARQ unit "26" w "routine" msg w/5LG to "OA" (RM)
2548  Unid 0617 ARQ-E 72 Unid scramble (Bvr)
2550.5 Unid D 1837 ARQ-E 96 Unid NGN idling (CBvr)
2607 FUO: French Navy, Toulon, F 0619 RTTY 75/850 Com Canali (RR2)
2690.7 DHJ51: Grengel Meteo 2205 RTTY 100/400 Wx (RR2)
2750.5 Guardia Civil, Madrid UTC? ARQ. (ANEE)
2789  FUE: FN Brest RTTY 75/844 clg FAAA (all French warships). Testtape. (JJ2)
2822  DHM37: Grengel Meteo 0044 RTTY 100/400 wx tfc (DG) DHM37: Grengel Meteo 2210 RTTY 100/400 Wx (RR2)
2844  CPN: CF HALIFAX NS, CAN 0004 RTTY 75/850 test line (SS)
2845  PBB: DN Den Helder 0010 RTTY 75/800 Com Canali (RR2)
2892.3 GTA: NY London 2215 RTTY 75/850 Com Canali (RR2)
3017.9 KVNX 1355 RTTY 50/375 w/RY's to YYYY transmitting from Bulgaria? (JJ2)
3168.5 Guardia Civil, Guadalajaral UTC? ARQ @nights (ANEE)
3172.5 IBM1: Roma Meteo 1500 RTTY 50/850 w/ID (RR2)
3196  Prague Meteo 0010 RTTY 50/450 wx (RR2)
3218  EHH3: Jezo Barcelona Guardia Civil, E UTC? ARQ (ANEE)
3219.5 EHH3: Jezo Barcelona Guardia Civil, E UTC? ARQ (ANEE)
3279  DHJ51: Grengel Meteo 2130 RTTY 100/400 Wx (RR2)
3282.2 CSP20: Paf Guarda Por 2315 FEC Msg Por (RR2)
3286.5 CKN: Vancouver Military, BC 0603 RTTY Canada, 75/850 w/ID, NAWS marker. (RB)
3288  RFFXCFB: Unid 2110 ARQ-E 375/72 Msl Fra (RR2)
3312.6 9RTS RTTY 50/254 met Ry's 1 uur lang from the Czech Rep. (JJ2)
3321.7 9RTD 1400 RTTY 50/243 Ry's for 1 hour from the Czech Rep (0400 on 3312.9). (JJ2)  Unid 0519 FAX w/"NAVLAN METOCENT" "???????????????????????????????" (CAN'T READ) "T1200Z 1432NG96 ISOBAR LINES ARE FAIR BUT CAN'T GET ENOUGH DETAIL TO RECOGNIZE AREA. (RR) [NAI, USN Cutler, Mo on 3357? -LOGS]
3355  NAA: USN Cutler, Ma 0145 FAX 120/576 500mb chart + surface pressure chart (SS)
3388  20RB: Unid 1700 RTTY 50/460 Cripto (RR2)

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3434  RN Fleet Broadcast 2015 VFT-BAU 100/0 Cripto (RR2)
3434.9 MTI: RN Plymouth 2247 RTTY 100/200 testing (DG)
3451.5 PT-11: Irish Navy 0200 ARQ Irish Navy vessels PT-11 & PT-48 on fisheries patrol exchanging bbc & rte weather (PT-48 selcall=cvxt) 100/0600. (ANEE)
3482.7 UNHCR? 2230 PACKET 300bd 2230h0000, poss UNCHR, selcall t38ee? (no way i'm hearing Tarawa Atoll in the middle of the night) (ANEE)
3544  2ORB: Unid 1700 RTTY 50/500 Cripto (RR2) [probably Polish Army, Warsaw -LOGS]
3571  SUA40: Mena 1745 RTTY 75/400 Press Ara (RR2)
3588.5 Unid Guardia Navarra, Ochagavia 1845 ARQ 1845-0730. Unid Guardia Civil Navarra Province 0100 ARQ. (ANEE)
3596  ICRC-Belgrade 0820 PACTOR-I w/sitrep's. ICRC KNIN 0630 PACTOR-I w/mssgs. (JJ2)
3615.7 PORTISHEAD RADIO (GKY1) 2128 FEC Marker "GKY1". This marker was GND1/Stonehead, then GKY8/Portishead, now GKY1. Wx forecast at 2130z for N Atlantic. Return to marker. (DW)
3667.2 UNID. 2254 ARQhE 46.1b/170 4CRC. Betas. Strange bd rate - 46.13. No sync on 48bds. 2301zmsg "zzcc kaa70011 18094.46099krm% ggy man%08089 008089 vf-k-vmox.
3741  MOI Paris? 0000 ARQhE3 100bd unid tfc, also 1900h0830. (ANEE)
3777   DIDT: M/V DEPPE FLORIDA 0707 ARQ W/TLX LOGIN: 64400 DIDT
3789.9 ICRC Denmark? 0600 PACTOR 200bd wkg Berne @0600 selcalls (ANEE)
3804.4 ICRC Sarajevo PACTOR-I w/sitreps. (JJ2)
3830  UNHCR Bosnia 0300 PACTOR 200. UNHCR Zenica 1900 PACTOR 200bd lots o' traffic. (ANEE) UNHCR Zagreb PACTORhU w/sitreps. (JJ2)
3832.7 RFFP: Mindefense Paris, F 0145 ARQhM2 200 both ch idle (RM)
3850  ETD3: Unid 2000 RTTY 50/400 Qra (RR2)
3959  Unid 0209 FAX 50/767. Was covered by USA ham radio chatter (RM) [possible Grengel Meteo, D h LOGS]
3959  SUU: Cairo Meteo, EGY 0104 RTTY 75/400 coded wx (RM)
4002  YRR2: Bucarest Meteo 0015 RTTY 50/400 wx (RR2)
4015  AE1USA 1405 PACKET w/control-call of AE1UFB resulting in "system used for 6Mn & 58 sec, processor time 4 sec". (JJ2) [Army MARS -LOGS]
4018.9 Unid 0127 Unid 110/170 u/i TP sys (RM)
4155.6 Unid 2000 Two New Packet? variants also 4652.15 at 2000-2130. Unid 1930 PACKET 300bd also 4652.15 poss in synch? 1930-2300 (ANEE)
4160  Unid 0124 Unid 110/170 u/i TP sys (RM)
4164  Unid 0250 RTTY 75/170 enc tfc (RM)
4173.5 WSNB: SS KENAI 0828 ARQ W/TLX TO KEYSHIP. ARR PT. ANGELES. LOGIN: 10738 WSNB
4177   DIDT: M/V DEPPE FLORIDA 0707 ARQ W/TLX LOGIN: 64400 DIDT
4178.5 WSNB: SS KENAI 0335 ARQ W/TLX RE: FUEL DISC TO CHEVRON AT EL SEGUNDO. LOGIN: 10738 WSNB 9MYK: BUNGA KANTAN/2 0428 ARQ w/tlx re departed Vancouver, dest carrying wood pulp. (WT)
4183.4 Royal Navy Paris 1405 RTTY 75/819 & 'VI' w/lots of msg for RFFUEK/ RFFJ3C/RFFQMJVN/RFFLC etc. VI's route indicator is RFFNFCAA. Lots of clear msg. (JJ2)
4191   ENEG: TKH Rakho 0549 RTTY in 50/170 tcf to Izmail. (IZM/UDP). (RB)
4202.5 USJ2: PB Sergey Vasilisin 2319 RTTY in 50/170 admin tcf to Murmansk Radio from master KM Podgayskiy. (RB)
4203.5 LASG4: Blue Sun 0639 ARQ w/tlx tcf to Antwerp. (RB)
4206  UTIZ: TKH Novgorod 2320 ARQ in crew TG's to St Petersburg, also sends same for TH Vladimir II"ich, UQJX. (RB)
4212  WLC: Rogers City Rdo, MI, 1640 FEC US, w/MAFOR broadcast for Great Lakes, buoy/ship wx obs, ann of reduced hours. (RB)
4212.5 FFT21: St.Lys Radio, F 2200 FEC w/tcf list, meteo de France, Toulouse wx. (RB)
4213.5 SPA22: Gdynia Radio 2047 FEC maritime tcf (DG)
4232  FUF: FORT DE FRANCE, MRT 0033 RTTY 75/850 SGS/RYS/q w e r t u i o q p (SS)
4246.5 Royal Navy Fleet Brod. 1800 VFT-BAU 100/0 Cripto (RR2)
4258.3 MTO: RN Rosyth 1745 RTTY 75/850 Com Canali (RR2)
4271  CFH: CF HALIFAX NS, CAN 0300 RTTY 75/500 meteo followed by FAX (SS)
4295  HNW: French Navy 0015 RTTY 75/800 Qra (RR2)
4375  Unid 0500 RTTY 75.5/842Hz w/de TBDJ, RY's + testmsg. (Ary sez DF results show Istanbul. Probably Turkish navy -LOGS). TBDJ, Turkish NAVY RTTY 75.5/842 test-slip from Istanbul. (Route Indicator =
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RTBDJ). (JJ2)

4489 GLF26: Bracknell Meteo 2150 RTTY 75/425 Wx (RR2)

4492.2 IEA21: IA Torino 0845 RTTY 50/170 Cripto (RR2)

4502 RFFT: 0830 RTTY 30/308 RFFBX tcf to RFFGAQ, RFFGBW/RFFGCX (French Gendarme). (JJ2)

4508.5 RFFEDCS: Bordeaux FF 0252 ARQhE 72/326 Tactical msg. (ED)

4562.5 EHP: Guardia Civil 1740 ARQ 100/400 Msg Spa (RR2)

4570 HZN46: Jeddah Meteo 2320 RTTY 100/500 Wx (RR2)

4583 DDK2: Amburgo Meteo 1545 RTTY 50/400 Wx (RR2)

4607.7 Unid 2201 FAX w/wx maps, //4620.6? (LB)

4620.6 Unid 2157 FAX w/wx maps. (LB)

4707.2 RFFVAY: FF Sarejevo 0001 ARQhM2 200/400 idling (DG)

4752.5 Guardia Civil, Malaga UTC? ARQ. (ANEE)

4788 6VU23: DAKAR MET 2330 RTTY 50/400 Met tfc & RYs, ID - always poor copy although signal appears reasonably clean !!. (DW)

5008.5 MOI SPAIN NET 1540 ARQ Online encrypted text. Ends "hl ps fin". (DW)

5023.5 LKA MUNICH [BY] 1512 ARQhE 72/45 4CRC. Cct [HFRFBY] to Bonn. Betas. No tcf. (DW)

5023.8 LKA BERLIN [BR] 1512 ARQhE 72/45 4CRC. Cct [NHVF] to Hannover. Betas. At 1559z header "zzzc 007vnhv 071657" then halted for a period. Then system off air 1603z. (DW)

5024.8 LKA STUTTGART [BW] 1607 ARQhE 96/85 4CRC. Cct [HFFBW] to Bonn. Betas but off air 1610z. (DW)

5054.8 JYF: Petra 1700 RTTY 50/400 Press Ara (RR2)

5063 Unid 0645 ARQ-E3 192 (ANEE)

5064 MN GEORGETOWN (9MB)? 1617 CW Tfc in offline encryption with 5ltr grps. (DW)

5067.7 MFA CAIRO 1623 ARQ Tfc in ATU80 & some opr chat. Constant mark between bursts. (DW)

5070 OMZ: MFA Prague 0850 RTTY 100/400 Msg Cec (RR2)

5082.3 Unid 0645 ARQ-E3 192 (ANEE)

5083 DHJ51: Mrensel Meteo 1000 RTTY 100/400 Wx (RR2)

5095 UNID: 1639 ARQ-E 72/400 4CRC, Betas, also at 1659. (DW)

5097 CFH: Canadian Forces HALIFAX 2200 RTTY 75/850 Marker "NAWS de CFH ii zkr.f1 2822 3287 4158 6236 8315 12395 16555 22185". Wkg Canadian ship "CK". "AA/22 de CFH as". "CK/6 r" "CK/6 de CFH r 14" "AA/4 de CFH bo k.". (DW)

5098.7 Unid: 1657 ARQ Betas and rqs, same at 1703, off air without comment. (DW)

5100 UNID: 0746 RTTY 75/850 Marker "QB8 figs". Deteriorating. (DW)

5100 UNID: 0746 RTTY 75/850 Marker "QB8 figs". Deteriorating. (DW)

5102 GXQ: RN LONDON 1713 VFT DCN 8 channel vft on usb, at 2308 VFT 8 channels on USB. (DW)

5104 Unid: Royal Navy? 2110 VFT-BAU/ARQ 0/0 Cripto/Wx (RR2)

5113.9 Polish Army Brest RTTY 50/300 de AQ65 w/ MMY8, RY's + 1 QTC (FM ZSYZOY to ZSXZLY) // 5255 Khz. (JJ2)

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5121 Unid 1930 ARQ-E 96bd also 192bd 1930-0345 (ANEE) UNID. 2210 ARQ-E 192/400 4CRC. Idling on rq and 3 betas, same at 2319. (DW)
5120 RWW73: Mosca Meteo 1650 RTTY 50/1000 Wx (RR2)
5144 ICRC BOSNIA 1615 PACT Mode I1. Header ICRC Tuzla to various ICRC location. Variable sync. (DW)
5149 RWW73: Mosca Meteo 1650 RTTY 50/1000 Wx (RR2)
5150 ICRC Varie 1015 PACTOR 200/200 Msg Fra (RR2)
5159 ICRC Varie 1045 PACTOR 200/170 Press Ing (RR2)
5160 5UA: NIAMEY AIR 0009 ARQhM2 96/400 4CRC, 2 chan tdm, Ch:A & Ch:B idling betas. Poor sync. (DW)
5160.5 5UA: ASECNA Nigeria 0035 ARQ-M2 96/425 idling w/weak signal, lost sync. (RB)
5164 ICRC ? 1623 PACT Unid mode, unable to sync. (DW)
5164.4 FRENCH PREFECTURE NET 0753 ARQ Selcals ORLO "n-96 08:54". Selcals EPVO "FIT588 de FIT537 bjr". Brief burst FEC & "de FIT537" in F1a. Mon to disc - logged FIT588, FIT545 de FIT537. FIT537 de FIT545. Selcals AJCA CHIN. At 0800 ARQ Monitor to disc. Little tfc compared 25th. New selcals TOIL & BEDO, & new? callsign FIT505. (DW)
5169 ICRC Pale 1630 PACTOR 200/170 Msg Ing (RR2)
5179.8 Unid: Pechino Meteo? 1630 RTTY 50/850 Wx. ZJX: Unid 1630 RTTY 50/400 Ry (RR2)
5205.5 Unid: VFT 2050 UNID 75/0 Undecoded (RR2)
5220 SUA94: Mena 1750 RTTY 75/300 Press Ara (RR2)
5221 Unid: 2218 Unid 110/170 u/i TP sys (RM)
5227.5 RN GIBRALTAR (GYU) 2319 ?- 75/340 5227.555. Chan D in VFT. On line encrypted, ACF7. 75bd, 340hz. (DW)
5228.2 RN GIBRALTAR (GYU) 2315 ?- 75/340 5228.235. Chan B in VFT. On line encrypted, ACF7. 75bd, 340hz. (DW)
5229 RN GIBRALTAR (GYU) 2312 VFT DCN 8 channel VFT on LSB (usually USB). (DW)
5240 4OC2: Tanjug 2100 RTTY 50/400 Press Ing (RR2)
5262 LKA/GSK VARIOUS 1122 ARQhE VFT Channels 1, 6, 8 active on USB. (DW)
5262.8 LKA BONN [HF] 1126 ARQ-E 96/85 5262.82. 8CRC. Betas. Cct [BRBHF] to Berlin. No tfc. (DW)
5264.5 LKA BONN [HF] 1155 ARQ-E 96/85 5264.52 8CRC. Betas. Cct [THVHF] to Erfurt. No tfc. (DW)
5265.2 GSK BONN [HF] 1213 ARQ-E 72/85 4CRC. Betas. Cct [GOVHF] to Berlin. Tfc at 1355lt (1255z)"sss gogo" then online encrypted. (DW)
5275 RN GIBRALTAR (GYU) 1750 RTTY 75/400 Press Fra (RR2)
5278.5 Guardia Civil, Cadiz-Melilla 1120 ARQ arrest reports. (ANEE)
5287.5 Guardia Civil, Valencia 1100 ARQ. (ANEE)
5312 DFZG: MFA Belgrado 1030 FEC-A 144/400 Msg Oper. (RR2)
5320.5 MOI SPAIN NET 1104 ARQ 100/400 Intermittent sync. Idling betas. (DW)
5325 RCW75: ALMA ATA 1408 FAX 60/576/N/800 Chart w/observations. At 2257 FAX 60/N/800 Chart with plotted obs. (DW)
5327 HCGEOBT = UNHCR Georgia (Tiblisi) PACTOR-U w/nx about the Sukhumi situation. (JJ2)
5334.6 Unid: 1615 DUPhARQ 125/170 Cripto (RR2)
5344.1 RWS71: Arkhangelsk Met 0820 RTTY 50/900 Wx (RR2)
5346.2 UNHCR or ICRC Chechenya ARQ msgs about the war there. (JJ2) [Any sez see this months Digital Review -LOGS]
5346.9 RSW71: ARKHANGELSK MET 1408 FAX 60/576/N/800 Chart w/plotted obs. (RR2)
5353.5 MOI SPAIN NET 1552 ARQ 100/400 Msg in Spanish p/l then offair, twice. (DW)

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RND77: MOSCOW MET (RND77) 1606 FAX 90/576/N/800 500 hpa upper air (AUXX) chart. (DW)

Unid 2207 ARQ-E 72/200 idling (DG) UNID. 1419 ARQ-E 72/170 4CRC. Betas. (DW)

TUNISIAN NAT GUARD NET 1619 FEC-A 96/200 Arabic (ATU80). (similar to those in RTT on 5796 on 28/Dec). Idling fm 1639z then off air. At 1538, same w/tfc in ATU80. (DW)

MOI SPAIN NET 1703 ARQ 100/400 Selcals TWLL and TXXX. At 1652 ARQ 100/400 Selcals TWLL no qso. (DW) Unid: Guardia Civil 1515 ARQ 100/400 Msg Spa (RR2)


RN LONDON (GYA) 2119 RTTY 75/850 Marker "v's ikckc ozigya int zbz QBF gigs channel 2 channel 2"ikckc ozigya. (DW)

YOG37: Bucarest Meteo 1435 RTTY 50/400 Wx (RR2)

French ARMY unlocated 1955 ARQhE 72/400 idling (DG)

Unid: 0814 ARQ-E 72/400 idling (DG)

Unid: UTC? ARQhE3 192bd (ANEE)

RVM45: TASHKENT MET 1850 RTTY 50/455 Met traffic. (DW)

FDY: Faf Orleans 1610 RTTY 50/400 Test (RR2)

CSY: Santa Maria Air 2203 RTTY 50/700 air tfc (DG)

BAF6: BEIJING MET 1931 FAX 120/576/N/800 Weak outlines. (DW)

UNID: PACTOR: prob. UNHCR/ICRC from Grozny (Chechenya) Tests. (J2J)

CM3L: Bulgarian Army net 1445 RTTY 50/850 tfc/proc w/DF2Z BH7D/AM4X/KG6GC. (JJ2)

UNID: 1008 ARQhE 85.7/170 4CRC. Online encrypted. (DW)

UNID: 1605 RTTY 50/170 Msg Ara (RR2) [Arq sez maybe FDY, FAF Orleans on 5795? -LOGS]

CM3L: Bulgarian Army net 1445 RTTY 50/850 tfc/proc w/DF2Z BH7D/AM4X/KG6GC. (JJ2)

ZKLF: AUCKLAND MET 0730 FAX 120/576/N/800 Weak signals, multipath fading effects, improving. 2 upper air charts. Surface analysis Tasman Sea. (DW)

EIP: SHANNON AIR 0935 RTTY 50/400 Aero tfc & svc CH. Cct [SMA] to Santa Maria. (DW)

Unid 1950 ARQ 100 off at 1950 (ANEE)

OXT: COPENHAGEN MET 1002 FAX 120/576/N/800 End of ice chart #1 dated 13/Jan. Same at 0953 FAX 120/576/N/800 Ice chart #1. (DW)

IMB2: Roma Meteo 1435 RTTY 50/800 WX (RR2)

UNID: 1010 ARQ-E 72/E/400 4crc. Idling betas. (DW) [this unid goes back to at least 10/94 -LOGS]

AOK: USN Rota, E 0535 FAX 120/576/N/800 mb height/temp anal. (BvR)

Guardia Civil, Orense UTC? ARQ w/La Coruna msgs... also att QSO by Irish navy vessels on 11408.5 in ARQ 100 reversed @0830, then may have shifted to a 15-megger (15725?). Guardia Civil, Orense UTC? ARQ La Coruna messages. (ANEE) MOI SPAIN MET 1108 ARQ 100/400 Selcals TXXX. Tfc in on line encrypt. "qsl??" and oth opr ex... (DW)

MOI SPAIN MET 1117 ARQ 100/400 Selcals TZZU. Tfc but poor copy due qrm. (DW)

ROME MET (IMB2) 1122/1223 RTTY 50/850 Met tfc. (DW)

Unid 0600 FAX wx fax of U.S. appears to have snow storms circled. (RR) [should be AFS: Offutt AFB, Elk Horn, Ne -LOGS]

Grengel Meteo 0900 RTTY 50/400 wx (RR2)

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Unid: 0125 ARQ all encrypted. (ED)

6243.5 UFHZ: 0638 ARQ MV Mekhanik Kraskovskiy ship 54587 tlx abt eta Ceuta pilot maritex (BVR) YQEP: M/V BIRLAD 0600 ARQ rx only, login: 29123 YQEP. N/A: M/V TITUS 0602 ARQ w/tlx re departed CHS, ETA JX. LOGIN: 29343 SGAK. 6Z6J: BRAZILIAN SKY 0800 ARQ w/tlx, LOGIN: 26423 BZRK. 3FUM: JOHNY C. 1928 ARQ w/tlx, LOGIN: 26955 JONY. ELIQ7: FOREST HAWK 0505 ARQ w/tlx, LOGIN: 24943 ELIQ7. (WT)

6243.5 UTUO: PROFESSOR NIKOLAY BARANS'Y 0705 ARQ WKG S/C 3220? LOGIN: 55443 UTUO. (WT)

6263.5 WEZM: SS EWA 1852 ARQ wkg KFS w/e-mail, ETA PT. Angeles. LOGIN: 10949 WEZM. C6CN4: CASCADEIAN DAWN 2136 ARQ w/AMVER/PR. (WT)

6263.5 OVTX2: M/V KIS SOBYE 0705 ARQ w/tlx, LOGIN: 05161 OVTX. (WT)

6263.5 WOVS: SS Overseas Valdez 0355 ARQ products tanker, w/AMVER/PR, login 11095 WOVS. 3FC3: M/T Eoss 0454 ARQ tanker, w/AMVER/FR, QTH Aruba, login 42176 ESS. KRCJ: M/T Duchess 1520 ARQ w/AMVER/PR, bound New Haven, Ct to Galveston, Tx. G6CS4: M/V Jytte Danielson 1639 ARQ w/posn rpt, ETA Port of Tampa. (RB) DAFC: M/V COLUMBUS AUSTRALIA 0551 ARQ w/BBXX wx, LOGIN: 211207210 DAFC. (WT)

6263.5 VVJY: M/V Lok Prem 0545 ARQ w/BBXX wx obs. (RB) 9GYS: M/V VOLTA RIVER 0750 ARQ w/tlx to SCC WKG, LOGIN: 19400 9GYS. WSDX: PRINCE WILLIAM SOUND 2343 ARQ w/TLX OBS, MEAN. LOGIN: 10843 WSDX. (WT)

6267.5 Unid: 1812 ARQ MV Tati ship 58116 sc xckm (BvR) EFJL: F/V Playa de Mourisca 0551 ARQ w/NAFO reports, login was 08573 ANA MG E, when last logged used abbrev in login of PLMCAE, poss name chg? (RB)

6267 DIDT: M/V DEPPE FLORIDA 0043 ARQ w/login for msg ck. (RB) UAHV: KAPITAN BURMAKIN 0228 ARQ w/AMVER/PR, 4039N 12947W. LOGIN: 55960 UAHV. (ODS/RMP)

6267.5 KPFD: SS Arco Prudhoe Bay 0627 ARQ w/login for msg ck. (RB) UAHV: KAPITAN KONEV 0228 ARQ w/AMVER/PR, 4039N 12947W. LOGIN: 55960 UAHV.

6269 Unid: 0125 ARQ all encrypted. (ED)

6269.5 UTNI: Frits Gekkert 0710 RTTY 50/170 RY DE UTNI. (WT)

6270 UNSW: KAPITAN BURMAKIN 0812 FEC W/TG'S IN RR. ENDED XMISSION IN CW. (WT)

6271.5 N/A: TKH Vitomir 2048 RTTY in 50/170 crew TG's to Odessa Radio. (RB)

6272.5 C6JY7: M/V Sydney Star 0555 ARQ w/BBXX wx obs, login 63100 SYDS. (RB)

6273.5 WEZM: SS EWA 1605 ARQ w/QRG RPT. LOGIN: 10949 WEZM. (WT)

6273.5 KPFD: SS Arco Prudhoe Bay 0627 ARQ w/login for msg ck. (RB) UAHV: KAPITAN KONEV 0228 ARQ w/AMVER/PR, 4039N 12947W. LOGIN: 55960 UAHV.

6275 WFDW: KEYSTONE RHODE ISLAND 2147 ARQ W/QRG RPT AND TLX TO 2 ADDEE'S (RFRF PROTOCOL). (WT)

6278 Knxc: SS CHELSEA 0730 ARQ w/QRG RPT. WKG VCT RFRF+. LOGIN: 10725 KNXC. (WT)

6281 KNCX: SS CHELSEA 0745 ARQ w/QRG RPT, LOGIN: 10725 KNCX. WFDW: KEYSTONE RHODE ISLAND 0627 ARQ W/QRG RPT LOGIN: 11227 WFDW. KKCZ: SS CONCHO 0647 ARQ CHKN ORU. LOGIN: 10704 KKCZ. (WT)

6283.5 Knxc: SS CHELSEA 0730 ARQ w/QRG RPT. WKG VCT RFRF+. LOGIN: 10725 KNXC. (WT)

6295.5 UTNI: Frits Gekkert 0710 RTTY 50/170 RY DE UTNI. (WT)

6300 UNSW: KAPITAN BURMAKIN 0812 FEC W/TLG'S IN RR. ENDED MISSION IN CW. (WT)

6301.5 N/A: TKH Vitomir 2048 RTTY in 50/170 crew TG's to Odessa Radio. (RB)

6301.5 UZPF: TKH Parkhomenko 0627 RTTY in 50/170 RYRY/DE to UIW, & w/1 TG to same. EMNT: TKH Zhitomir 2146 RTTY in 50/170 RYRY/DE to UIW, & w/crew TG's to same, Odessa Radio. (ODS/RMP). ESBA: Unid 2255 RTTY in 50/170 RYRY/DE using sitor like 56793 ESBA K? at the end, no joy as no msgs were sent. (RB)

6303 UIIC: TR Bereg Mechty 1309 CW wkg unid coastal station w/tlx tcf. (RB)

6303.5 ELOQ: TR Frost-1 2328 RTTY in 50/170 RYRY/DE to UIW, & w/2 crew TG's. (RB)

6304.2 UHBS: TKH Olenegorsk 2316 RTTY in 50/170 RYRY/DE to UAT, Moscow Radio, no joy. (RB)

6305.5 UUYU: TKH Georgiy Chicherin 2325 RTTY in 50/170 RYRY/DE to UIW. (RB)

6311 UNID: UNID 0418 ARQ IN OPR MODE CHATTING IN SS. LOGIN: 42049 ICAR. (WT)

6314.5 SAB301: Goteborg Coastal Radio 1311 ARQ idling (DG)
6299.5 VCT: CAN 1407 FEC Tors Cove radio hello all stations mgs (BVR)
6348 HWN: French Navy 0935 RTTY 75/800 Qra (RR2)
6380 Unid 0740 FAX 90 rpm. Bold black margins, but no details, transmission ended at 0756. "Spezial-Frequenzliste 1996/97" by Brannolte/Siebel lists Amderma Meteo, RUS, Callsign UPM. Other frequencies given for UPM are 4270 & 8463. I have never heard a fax signal on 6380 before, nor have I found this station in any other list. (KB)
6385 FUO: FN Toulon 1305 RTTY 75/150 testing (DG)
6435 Unid: Royal Navy Fleet Brod. 1815 VFT-BAU 100/0 Cripto (RR2)
6452.8 GYA 0230 FAX I believe may be GYA in London (although they're listed at 6452.5) (DD)
6460 UFZ: Vladivostok (ex-UKA), Russia 1530 RTTY 50/170 Mgs/RYs to UNSX. (JEB)
6461.5 FUM: FN Navy-Papeete, Tahiti 0522 RTTY 75/850 ZB/PSY, then RTY test tape. (JEB)
6496.4 CFH: Halifax Meteo 0955 RTTY 75/800 Wx chiaro (RR2)
6750.5 LINK 11 activity (11/12 pulses) 2309 USB later in week as well. (JH)
6760.3 SOB: A.Bul Bucarest 1505 RTTY 75/500 Qra (RR2)
6761 1931 strong carrier, then into data transmission. Station unk. (JH)
6769 MFA Warsaw 1800 RTTY 100b new schedule & speed this circuit. (ANEE)
6774.1 A Alg. Tunisi 1220 COQ 26/30 Mgs (RR2)
6780.3 Unid: 0015 ARQhE 72/425 idling. (RB)
6782 Unid 1145 POL-ARQ 100/200 Mgs Pol (RR2)
6786 Unid: 1800 RTTY 50bd encrypted tfc 1800h1930 (ANEE)
6793.5 Unid: Egyptian MFA?: 1500 FEC w/ATUh80 tfc "ywkm skms kdfesp hj cfuw 0984 0984 0984 0984 0984 0984 0984 0984 0984 0984 0984 0984 0984 0984 0984", ID? (DG)
6798 FDY: Faf Orleans 1545 RTTY 50/400 Test (RR2)
6809.7 Unid: 2100 FEC-MARS USS George Washington UTC? PACTOR 200 (NNOMUA-NNNOF) (ANEE)
6811 RFTJD: FF Dakar 0738 ARQhE 192/400 idling (DG)
6821 TN ? LOC 0001 RTTY 75/850 Marker w/long periods of letters shifts. Periodic "zczc TBDJ ry's figs test test test test bt nnnn". (DW)
6824.3 AAT4KY: Army MARS, Auburn, KY 2030 Packet w/"MARS EXERCISE" msg to AAA3USA, Ft. Meade, MD (RM)
6830 PETRA 1540 RTTY 50/400 Press Ara (RR2) Petra NX Amman 1612 RTTY 50/400 nx items (DG)
6835 GLF22: Bracknell Meteo 2155 RTTY 75/400 wx (RR2)
6836.7 Unid: 2120 ARQhE 200/425 idle no id. (EW)
6845.7 Egyptian Embassy, Cairo 1715 ARQ wkg paris @1715h1830 (ANEE)
6862 WQL: Soud station 1530 RTTY 75/500 figs (DG)
6871.7 MFA Cairo 1715 ARQ wkg Paris ack circuit (ANEE)
6877.9 2150 RTTY wkg Addis Ababa Air 2150 RTTY 50/500 Qra (RR2)
6881 Unid USN MARS USS George Washington UTC? PACTOR 200 (NNOMUA-NNNOF) (ANEE)
6891.7 ICRC Geneva? 0730 PACKET 300bd (ANEE)
6901.5 Irish Army 0815 ARQ Irish Army callsigns 62 and 66 @0815. (ANEE)
6901.6 Unid: Unid 2100 FEC Mrg (RR2)
6901.7 RFTJD: FF Dakar 0738 ARQhE 192/400 idling (DG)
6914.8 BAP46: XINHUA-Beijing, PRC 1520 RTTY 75/1000 Asian Nx. (JEB)
6915.5 Unid: 0110 PIC-6 20/20 Stand by (RR2)
6918.5 ECA7: Madrid Meteo, E 1620 FAX 120/576 wx chrt. (BVR)
6920 RGC70: Kiev Meteo 1453 RTTY 50/1000 wx (RR2)
6923 OMV273: Unid 1100 RTTY 75/500 Qra (RR2)
6937 SRT52: A Pol. Vienna 1450 POL-ARQ 100/200 Idle (RR2)
6952 Unid: 1750 RS-ARQ 228/170 Undecoded (RR2)
6962.9 Unid: 1455 VFT/FEC-A 192/170 Cripto (RR2)
6963.8 UNID: 2308 ARQhE 192/170 4CRC. Betas. Poor sync.. (DW)
6966 FDY: Faf Orleans 1535 RTTY 50/400 Test (RR2)
6972 Y0159: Rompress 1535 RTTY 50/425 Press Fra (RR2)
6973.5 DGF97L2: Piab Bonn 0100 FEC-A 96/400 Press ted (RR2)
6976 MOI Ajaccio 0615 ARQhE 192bd 0615-2030. (ANEE) FF AJACCIO [RFCCHA]? 0728 ARQhE 192/170 8CRC. Betas.. (DW)
6979.7 Unid 0700 ARQhE 48 rfp? 0700-2115 new speed this ckt (ANEE) [should
be RFTJF Port Bouet, Ivory Coast in 3/48bd - LOGS}

6984 SN229: MFA Warsaw 0745 POL-ARQ 100/170 Msg Pol (RR2)
6985 BSB29: Lanzhou Meteo 2150 RTTY 75/800 Cripto (RR2)
6992.6 ICRC Bern 1025 PACTOR 1/30 MB1ATE Mailbox, tests. (JJ2)
6999.5 Unid: 1605 PIC-12 20/20 Undecoded (RR2)
7305.7 A Alg. Cairo 1430 COQ-8 26/30 Mss Fra (RR2)
7340.2 FIT31: Tolosa Prefett. 1620 ARQ-3 100/400 Idle (RR2)
7342.1 Dogana Algerina 1510 COQ-8 26/30 Mss Fra (RR2)
7449.3 Unid: 0745 ARQ-3 192 new freq (ANEE)
7449.5 MFA Rome 0800 ARQ wkg embassy 0800-0830 (ANEE)
7471.7 Unid 1515 ARQ E3 (RR2)
7512 ZRO2: PRETORIA MET, RSA 1700 RTTY 75/400 Met tfc. Appears to be GRIS. Poor copy due Radio Swiss Int. qrmon 7510. At 1907 w/ Observations for S African continent. (DW)
7520 BZP57: Xinhua 0130 RTTY 75/425 Press Ing (RR2)
7524 TYE: COTONOU AIR 2256 ARQ-3 96/400 4CRC. 2 chan. Betas. CH SVC in both chans at 2301z. Chan: A cct [UNA] to Niamey. Air tfc both channels - METAR. (DW) TYE: As. Cotonou 2245 ARQ-3 96/400 Idle (RR2)
7525.6 Unid 1431 RTTY 50/170 Unid coded mgs (BvR)
7537.7 MFA Cairo 1730 ARQ (security) wkg consulate Hamburg 1730-1830 (ANEE) Unid 1753 ARQ Unid Egy diplo? (BvR)
7564.5 YX775: INA NX Baghdad 1751 RTTY 50/400 nx items (DG)
7585.7 RFVITT?: Dzaoudzi, Mayotte Isl? 0052 ARQ-96/425 idling. (RB)
7586 RFVITT: MYT 1719 ARQ-96 FF Dzaoudzi, idling (no id). (BvR) FF DZAOUDZI [RFVITT] 2313 ARQ-96/400 4crc. Betas. Intermittent sync. (DW) RFVITT: FF Dzaoudzi 2240 ARQ-96/400 Idle (RR2)
7595.8 Unid 1431 RTTY 50/170 Unid coded mgs (BvR)
7606.7 Unid: 1645 ARQ-3 100 this ckt normally 192bd (ANEE) [RFFA MOD Paris logged here before in 190 baud & see next log -LOGS] RFHI: FF Noumea, New Cal 1133 ARQ-3 100 msg to RFFAAW. (EW)
7614 MFA Teheran 1530 HC-ARQ 240bd (ANEE) FF MARSEILLES [RFFH] ? 1030 ARQ-9 192/170 8CRC. Betas. Same at 1053, 1151, & 1605. fading. (DG) RFHI: FF Marsiglia 1440 ARQ-72/200 Idle (RR2)
7616.7 MFA Cairo 1300 ARQ wkg Abu Dhabi 1530-1630 (ANEE) Unid 0815 ITA2 100 encrypted tfc (ANEE)
7622 MFA Warsaw 0815 ARQ-POL 100 (ANEE) MFA WARSAW (SNN299) 1128 ARQ-POL 100/250 4CRC. Tfc in offline encrypt (5FG's). Wkg Vienna (Weiden). Sends qsl. file and offair. (DW)
7625 HZN47: Jeddah Meteo, ARS 1917 RTTY 100b wx. (BvR) JEDDAH MET (HZN47) 1824 RTTY 100/850 Met tfc. 120hz high. (DW) HZN47: Jeddah Meteo, ARS 2353 RTTY 100/425 w/meteo reports. (RB) HZN47: Jeddah Meteo 0805 RTTY 100/800 wx (RR2)
7631.7 MFA CAIRO 1341 ARQ Selcals TVXV - clg Doha (?) Embassy. Tfc in ATU80 then into irs mode. (RR2)
7634 RFGW: MFA Paris 1757 FEC-A 192/400 5FGs (DG) P26: MFA Paris 1700 FEC-A 192/400 Qra (RR2)
7639.2 UNID: 1509 FEC 1510z 50bd reversals then msg "-4 10 10 10 26 26 15h10m54s -- 7j 7j -- and offair." Next msg 1521z (weak/corrupt) 0 0 0 0e 10 10 10 30 30 ... 7j 7j." (DW) [these 'time strings' were discussed in WUN #12, a French Government station near Paris -LOGS] Unid: 1100 FEC Cripto (RR2)
7642.7 RFFA: 0515 ARQ-M2 200bd To RFFA from RFFTA 0515-1915 (ANEE) RFFP: Mod Paris 1250 ARQ-M2 200/400 Mss Fra (RR2)
7643.3 RFLIG: FF CAYENNE 2347 ARQ-E3 192/400 8CRC. Betas. Cct [RTI]. 2351z Controle de voie svc RFLI de RFLI. (DW) Pagina 159
& gale warnings in German for N Sea followed by warning in EE then obs (AAXX) for Icelandic & Irish stations. (DW) DDH7: Hamburg Meteo 1250 RTTY 50/400 wx (RR2)

7650 BZR67: XINHUA BEIJING, CHN 1850 RTTY 75/560 Press in EE. (DW) BZR67: Xinhua 2020 RTTY 75/400 Press Ing (RR2)

7653.7 MFA Cairo 1730 ARQ w/circular 1730-1845 Klingenhuss calls this MFA Berne, but it is not! (ANEE)

7658 YZI223: TANJUG BELGRADE 1144 RTTY 50/400 Press in EE. (DW) YZD: Tanjug 1100 RTTY 50/400 Press Ing (RR2)

7659 HBD23: MFA Berna 1245 ARQ Msg Ted (RR2)

7658 BZR67: XINHUA BEIJING, CHN 1850 RTTY 75/400 Press in EE. (DW) BZR67: Xinhua 2020 RTTY 75/400 Press Ing (RR2)

7653.7 MFA Cairo 1730 ARQ w/circular 1730-1845 Klingenhuss calls this MFA Berne, but it is not! (ANEE)

7658 YZI223: TANJUG BELGRADE 1144 RTTY 50/400 Press in EE. (DW) YZD: Tanjug 1100 RTTY 50/400 Press Ing (RR2)

7659 HBD23: MFA Berne 1245 ARQ Msg Ted (RR2)

7658 BZR67: XINHUA BEIJING, CHN 1850 RTTY 75/400 Press in EE. (DW) BZR67: Xinhua 2020 RTTY 75/400 Press Ing (RR2)

7653.7 MFA Cairo 1730 ARQ w/circular 1730-1845 Klingenhuss calls this MFA Berne, but it is not! (ANEE)

7658 YZI223: TANJUG BELGRADE 1144 RTTY 50/400 Press in EE. (DW) YZD: Tanjug 1100 RTTY 50/400 Press Ing (RR2)

7659 HBD23: MFA Berne 1245 ARQ Msg Ted (RR2)

7658 BZR67: XINHUA BEIJING, CHN 1850 RTTY 75/400 Press in EE. (DW) BZR67: Xinhua 2020 RTTY 75/400 Press Ing (RR2)

7653.7 MFA Cairo 1730 ARQ w/circular 1730-1845 Klingenhuss calls this MFA Berne, but it is not! (ANEE)

7658 YZI223: TANJUG BELGRADE 1144 RTTY 50/400 Press in EE. (DW) YZD: Tanjug 1100 RTTY 50/400 Press Ing (RR2)

7659 HBD23: MFA Berne 1245 ARQ Msg Ted (RR2)
WUNhv02

7880  DDK3: Hamburg Meteo, GER 2143 FAX 120/576 wx map (EW)
7892.5 OEC: MFA Vienna 1350 ARQ-S 96/170 Msg Ted (RR2)
7898 MOD Bonn UTC? ARQ-E 72bd wkg German IFOR contingent, mostar. (ANEE)
7899 BGS Bonn 1233 ARQ-E 72/85 idling (DG)
7900 9VF39: Piab Singapore 1745 FEC-A 96/400 Press Ted (RR2)
7902 FIT75: MFA Paris 1100 ARQ-E 100/400 Idle (RR2)
7915 AFA3VP: Piab Bonn 0745 FEC-A 96/400 Press Ted (RR2)
7919 PIAB Bonn 0020 FEC-A 96/400 Press Ted (RR2)
7931.7 MFA Cairo 1745 ARQ tcf 1745-1900 (ANEE)
7937.7 RFFFP: MOD Paris, F 2139 ARQ-E 200/425 idle (EW)
7946 RFVFI: FF Le Port 2220 ARQ-E 96/400 Idle (RR2)
7946.5 DHJ51: Grengel Meteo 1300 RTTY 100/400 WX (RR2)
7959 9BC: IRNA Teheran, Iran 2217 RTTY 50/425 EE nx. (EW) 9BC23: Irna 1740 RTTY 50/400 Press Ing (RR2)
7960 OMZ: MFA Prague 0845 RTTY 100/400 Msg Cec (RR2)
7975 SOH297: Pap Warsaw 1405 FEC Msg Pol (RR2)
7982 Unid: 2338 ARQ 2338-0030 u/i on/off/on/off...; 0255-0305 ARQ idles; 0315-0345 ARQ idles (RM)
7982.1 Unid: 1400 IRA-ARQ 300/170 Undecoded (RR2)
7996.5 NNN0FTJ: Navmarcormars 1336 Pactor w/msgs (RM)
8006 YZD9: Tanjug 1850 RTTY 50/400 Press Ing (RR2)
8004 Unid: 1300 PIC-12 20/20 Undecoded (RR2)
8006 OMZ: MFA Prague 1000 RTTY 100/400 Msg Sl (RR2)
8010.7 A Alg. Rabat 2145 COQ-E 16/30 Press Fra (RR2)
8020 HMF52: KCNA 1800 RTTY 50/250 Press ing, same at 1830. (RR2)
8023 MFA Bucharest 1400 ROU-FEC 164/400 Cripto (RR2)
8025 Mossad 1645 USB numbers (ANEE) [probably Mossad CIO2 - LOGS]
8026.5 Egyptian Embassy 0538 ARQ 100/425 ATU-80 tcf. At 2332, sending selcall BRTV. (RB)
8026.7 Unid: 1700 ARQ Cripto 5 (RR2)
8028 SNG202: MFA Bucharest 1245 ROU-FEC 164/400 Msg Ing/Ru (RR2)
8031 RFFXL: FF Naquora 2030 ARQ-E 72/400 Idle (RR2)
8049 9BC: IRNA Teheran, Iran 2211 RTTY 50/425 EE nx. (EW) 9BC25: Irna 2135 RTTY 50/425 Press Ing (RR2)
8056.7 Unid: 1807 ARQ Unid Atu A tcf Egy diplo? (BvR)
8071.5 Unid: 1740 RS-ARQ 228/170 Undecoded (RR2)
8080 NAM: USN Norfolk, US 2136 FAX w (EW). [station relocated to NAA, USN Cutler, Ma - LOGS]
8084 Unid: 1430 ROU-FEC 218/400 Msg Rum (RR2) [Ary sez Romanian Embassy Vienna - LOGS]
8090 DOR: MFA Sofia 0020 RTTY 75/400 Mdg Bu (RR2)
8094.5 Unid: 2135 PIC-12 20/20 Undecoded (RR2)
8099.3 DOR: MFA Sofia 1335 RTTY 150/500 Press Ing (RR2)
8105 Unid: 2332 ARQ-E 192/425 idle no id (EW)
8118 RFFXL: FF Le Port 2220 ARQ-E 72/450 Idle (RR2)
8122 Unid: 1030 RTTY 75/400 Cripto (RR2)
8123 TNL: As. Brazzaville 2310 ARQ-M2 96/350 WX (RR2)
8134 SNN299: MFA Warsaw 0850 POL-ARQ 100/250 Msg Pol (RR2)
8137 BAE51: Beijing China 1510 RTTY 50/830 Xinhua News (AB3)
8142 Mossad numbers 0700 USB all in Hebrew. (ANEE)
8142.6 FDY: FAF Orleans, F 0800 RTTY 50bd w/fdy test tape (ANEE)
8146.6 IMB55: ROME MET 1205 FAX 120/576/N/800 Sea state. Chart of Italy w/ plotted obs & isobars. (DW)
8150.5 PBB: DN Den Helder 0940 RTTY 75/850 Com Canali (RR2)
8154 SNN299: MFA Warsaw 0610 RTTY 75/250 Msg Ing (RR2)
8156 Unid: 1403 POL-ARQ Unid Pol diplo pol mgs (BVR) [MFA Warsaw -LOGS]
8157 SNN299: MFA Warsaw 1000 POL-ARQ 100/250 Mdg Pol (RR2)
8165 SYD: Nairobi Air 2215 RTTY 50/200 Qra (RR2)
8166 SNN299: MFA Warsaw 0830 POL-ARQ 100/250 Mdg Pol (RR2)
8180.5 MFA Roma 0730 ARQ Cripto 5 (RR2)
8186.4 Unid: 0800 PACTOR 20bd poss msf link between Lyon & Zagreb/Sarajevo. Selcalls Els & Lyon. (ANEE)
8192 9MR: Penang Malaysia 1520 RTTY 50/850 RY/SG Tape (AB3)
8192.7 Unid: A Ita. ? 1100 ARQ-E 96/170 Cripto 5 (RR2)
8303 LOR: Argentine Navy, Puerto Belgrano, ARG 0027 RTTY 75/170 w/RYYY, DE & w/5LG's to unid. At 0625 w/"Lista general de radioavisos" NavAids b/cast. (RB)
G3F61: 1745 ARQ Unid clg MPKV "any mgs pls +?" At 1847, unid tlx to Dynacom Athens ops & tech department. 235: 1723 ARQ Unid relay mgs for 222 to MPKV. G3F52: 1727 ARQ M/T Tom mgs to MPKV. G1F11: 1425 ARQ M/V Athos pos 36.51N 022.23E ETA Lawi Lawi 27 Jan pos 15.49S 010.54E. 424: 1520 ARQ Unid to MPKV. (BvR)

8377.5 UVEQ: TKH Suzdal' 2350 ARQ w/crew TG's to Odessa (ODS/UMF). (RB)

5BUF: M/V JODIE D. 0122 ARQ W/TLX'S TO: PACE CHARTNG. LOGIN: 00574 5BUF. WSVR: SS DENALI 2116 ARQ W/TLX TO KEYSHIP, 2621N 11513W. 10872 WSVR. WSRH: SS KAUAI 2158 ARQ RX ONLY LOGIN: 11330 WSRH. (WT)


8381.5 ELQI9: Imari 0419 ARQ w/Chilrep (AMVER) to Directmar Valpariso. ELPC2: CCNI Austral 0540 ARQ wkg CBV w/"QRJ 819", login is selcall. CCNI "often mistaken for a c/s. (RB)

8381 WOVL: SS Overseas Alice 1630 ARQ U.S. flag tanker, w/AMVER tfc. VTRG: M/V Prabhubas 2322 ARQ w/tlx in SS (RB) N/A: M/V ERATI 2340 ARQ w/tlx, LOGIN: 21480 ERAT. (WT) [c/s is ELRL8 -LOGS]

8381.5 9HKT4: M/V IOANNITSA 2139 ARQ w/msg to PLEAD CTL FOR TRANSIT PMR. LOGIN: 24270 IOANNITSA. (WT)

8382.5 UWTB: TKH Akademik Guber 0546 ARQ w/crew TG's after sending selcall KCPV, Mariopol Radio. UWLY: TKH Avdeevka 2227 ARQ w/posn, 2313N/ 05009W, for after sending selcall KCPV for Mariopol Radio, login 55162 UWLY. (RB) TXCS: M/V MARINE EXPRESS 1810 ARQ w/AMVER, ETA Tacoma, LOGIN: 29105 TXCS. 3FDQ3: LA BONITA 2354 ARQ W/AMVER/PR ETA CALLAO. ELCO5: MT CHEVRON PACIFIC 0519 ARQ W/WX OBS BBXX. LOGIN: 636007060 PAC.

8384 DIDT: M/V Deppe Florida 1315 ARQ w/crew. DUGW: M/V Sapphire 1746 ARQ w/tlx tfc. 7TGE: LPG/C Mostefa Ben Boulaio 2349 ARQ w/tlx to Massan Nola. (RB) C41O: M/V Frio Atlantic 0457 ARQ w/tlx to report arrived Cristobal. C4ST: M/V Seastar II 0634 ARQ w/tlx re arrived Cienfuegos Roads to load 27440 MT of sugar. (RB) WSLH: SS MAUI 1630 ARQ W/MSG TO PLEAD CTL. WKG NMC. 9HKT4: M/V IOANNITSA 2139 ARQ W/MSG TO PLEAD CTL FOR TRANSIT PMR. LOGIN: 24270 IOANNITSA. (WT)

8385.5 UTUN: AKADEMIK IOSEF ORBELI 0107 ARQ W/TLX IN RR LOGIN: 55207 UTUN. (WT)

8387 C6LP4: TR Prince of Wales 2336 ARQ w/tlx tfc, vsl bound Bermuda to Newport, RI. (RB) C41O: M/V Vodopit 1415 RTTY 100/400 Qra (RR2)
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YQEP. N/A: M/V YONG AN CHENG?? 0723 ARQ W/TLX TO SHANGHAI IN 4F GPS. BOBQ: M/V FU AN CHENG 0758 ARQ W/TLX LOGIN: 19811 FACH. (WT)

8391 UKVD: TKH Novokubyshevsk 2230 RTTY in 50/170 RYRY/DE to "RKB", & into admin tfc from master, KM Pereklin to St Petersburg Radio. (RB)

8391.5 USDO: TKH Vasya Korbk 0620 ARQ in admin tlx tfc from master, KM Emdov. UNSW: TKH Kapitan Bukmakin 0620 ARQ w/DISP-2 report to Arkhangelsk Radio showing vsl at Panama Canal. (RB)

8392 C6CP: M/S VIKING SERENADE 0112 ARQ W/TLX, LOGIN W/SELCALL ONLY 61519 (WT)


8393 UNID: 1842 ARQ WKG QVXV = 2010 = ?. IN OPR MODE QRU. LOGIN: 19806 PUHE. (WT)

8393.5 URDO: BATM Ivan Golubets 0648 RTTY in 50/170 crew TG's to Sevastopol Radio. (RB)

8394 OWMJ: Seaboard Arrow 0410 ARQ w/AMVER tlx. C6DJ3: M/V Bongo Danielsson 0531 ARQ w/berthing & departure rpt. 3EBN5: M/V Contraled 1250 ARQ w/tlx for ETA to Rio Haina w/28904 MT of cargo, login 41942 3EBN5. P3SR6: M/V Saint Nectarious 2317 ARQ w/EVA Havana, Cuba. (RB)

8396 URCK: UPS Kurz 1904 RTTY in 50/170 RYRY/DE to URL, then w/admin msgs from master, c/s was ESHY. EOYW: RTMS Arabat 1956 RTTY in 50/170 crew TG tfc to Kerch Radio. (RB)

8396.5 UCVK: UPS Kruzhenshtern 0318 RTTY in 50/170 RYRY/DE to KhGrad. (RB)

8397.5 UWMJ: BMRT Yashma 2302 RTTY in 50/170 RYRY/DE to UIW, & into crew TG's. (RB)

8400 Unid: 1819 ARQ Unid sc qast (36290) and cqfa (36289) & FF mgs (BvR) [selcall 36290 is M/V Sombere, c/s LXSA hLOGS]

8400.5 UWOA: BMRT Tsemesskaya Bukuha 2123 RTTY in 50/170 RYRY/DE to UIW, Novorossiysk Radio, & into crew TG's. (RB)

8401.5 UWEC: NISP Professor Khromov 0020 RTTY in 50/170 admin tfc from master, KM Kiselev. UNNI: RTMS Chernyashvev 1821 RTTY in 50/170 list of supplies/medicines needed next port. ELSK3: TKH Deputat Lutskiy 1928 RTTY in 50/170 RYRY/DE to UIW, & into admin msgs from master KMD Solov'el. UEXI: RTMS Trimmen' 2307 RTTY in 50/170 crew TG's to KMD Mechtuy. USFB: TKH Nina Kukoverova 2238 RTTY in 50/170 admin tfc from master KM Fedorenko listing hull info KV-7241. (KLD/UTF). UALU: BMRT Star 2339 RTTY in 50/170 RYRY/DE to UIW, & into admin tfc from master, KM Fedorenko listing hull info KV-7241. (KLD/UTF).
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8403 URIF: BATM Aleksey Slobodchikov 0459 RTTY in 50/170 crew TG's to Sevastopol, ex-UQFN. UOYR: TR Bukhta Omega 0510 RTTY in 50/170 RR ttc Sevastopol Radio, long list of maintence/mechanic work from Chief Engineer. UIDS: TSM Ozernitsa 1914 RTTY in 50/170 ttc to Murmansk Meteo (pogoda, or wx report) from master KM Branchenkov. UOUV: TKH Novodurzhsk 2336 RTTY in 50/170 crew TG's. (RB)

8403.5 UUMY: RTMA Peredovik 0528 RTTY in 50/170 RR crew TG's to Sevastopol. URPK: TKH German Matern 1921 RTTY in 50/170 RRY/DE to UIW, & into crew TG's. (VLD/VTI). ELQZ5: TR Frost-1 2059 RTTY in 50/170 RYRY/DE to UIW, & w/crew TG's. URPO: TKH Sochi 2224 RTTY in 50/170 RYRY/DE to UIW, no joy. ESMV: RTMS Sekstant 2252 RTTY in 50/170 RYRY/DE to UIW, no joy, this is Ex-Sekstan, LYDZ. UHUZ: RTMA Nikolay Brovtsev 2258 RTTY in 50/170 RYRY/DE to UIW, & into crew TG's. (KLD/UTF). UWKI: TSM Karacharovo 2316 RTTY in 50/170 crew TG's to K-grad. (RB)

8404 P3FZ6: TR Motovskiy Zaliv 0013 RTTY in 50/170 RYRY/DE to UAT, sends "pagoda", or wx report from master KMD Kruchinin. UUPP: RTMS Biosfera 2106 RTTY in 50/170 RYRY/DE to URL, & into crew TG's to same, this is ex-UUQR. UYK0: TN Inkerman 2112 RTTY in 50/170 RYRY/DE to URL, & w/admin TG from master, KM Merenko. (RB)

8404.5 UAKA: NIS Professor Molchanov 0051 RTTY in 50/170 RYRY/DE to UHY7(?), & into ttc to Morflot, this is ex-UUKR. URUJ: PB Matochkin Shar 2233 RTTY in 50/170 RYRY/DE to UIW, & w/several RR wx reports (MRM/KRH), PB is Plavuchaya Baza, or 'Floating Base'. (RB)

8406 UCBZ: BMRT Atoll 1926 RTTY in 50/170 crew TG's to Novorossiysk Radio. (NVR/MRH). (RB)

8406.1 LYDG: M/V Kelme 2027 RTTY in 50/170 RYRY/DE to LYK, gives posn 4828N/0540W. (RB)

8406.5 LYFQ: RTMS Venta Zhenta 2013 RTTY in 50/170 RYRY/DE to LYL, Klaipeda rdo, & w/admin msgs using hull#/ID DTZS-7542. (RB)

8407 UBVD: TKH Komsomolets Spassk 2057 RTTY general cargo vsl of Vadok Moreflot (MRF) Russia in 50/170 w/crew TG's. (RB) UOYJ: KAPITAN BOGOMOLOV 0743 RTTY 50/170 W/TG'S IN RR. (WT)

8408 4630: GRC 1710 ARQ Unid tix tfc to Mt Leni qsx 8340 (BvR)

8408.5 UVJA: TKH Ul'banskiy Zaliv 2238 RTTY in 50/170 RYRY/DE to UIW, & w/admin ttc to Vladivostok Vostmaransflot (VTF), fol by 20106 report. YLGC: TR Beringa Sala 2327 RTTY in 50/170 crew TG's to Riga Radio. (RB)

8411 UUUT: RTMKS Ivan Burmistrov 1920 RTTY in 50/170 crew TG's to Kerch Radio. UUTJ: TKH Krasnovodski 2032 RTTY in 50/170 admin msgs to Odessa from master, KM Demin. (RB)

8411.5 UVK8: RTMS Stratosfera 2057 RTTY in 50/170 crew TG's to Sevastopol Radio (SVR/MRH). (RB)

8412 N/A: RTMS Leyks 1907 ARQ w/admin tix from master, KMD Rastyagaev (NVR/MHR). UFEL: RTMS Nikifor Pavlov 2129 RTTY in 50/170 crew TG's to Novorossiysk Radio. (NVR/KRH) (RB)

8412.5 UVKG: RTMS Lazurny Bereg 2036 RTTY in 50/170 RYRY/DE to UIW, & into admin msgs (KLD/RTF). ESMD: RTMS Remt Pern 2047 RTTY in 50/170 tix to Morocco w/monthly catch report via Tallinn Radio using hull#/ID RTMS 7535. (RB)

8413 UACU: TKH Varnemunde 0342 ARQ w/crew TG's to UGC. UOQT: TKH Il'ya Ul'yanov 0736 ARQ w/admin ttc via UGC, St Petersburg Radio. UT1Z: TKH Novogorod 0755 ARQ in crew TG's to UGC. UYQO: TKH Rostov 0820 ARQ w/"QTH" report to UGC. UTUN: TKH Akademik Iosif Orbli 0831 ARQ w/1 adm msg to UGC. UWWA: TKH Novozybkov 0840 ARQ w/1 admin msg to UGC. UGNX: TKH Komsomolets Litvy 0846 ARQ w/admin ttc to UGC, vsl uses abbrev. KSM for Komsomolets. UWWV: TKH Inzhener Machulski 0855 ARQ w/crew TG ttc to UGC. EKMN: TKH Mekhanik Evgrafov 0910 ARQ w/1 crew TG to UGC. UFJF: TKH Novosibirsok 0930 ARQ w/login for msgs fm UGC. UDVO: TKH Evgeniy Mravinskiy 1102 ARQ w/crew TG's to St Petersburg rdo. (RB) UH18: 2330 ARQ msg in Dutch about rental apt. in Holland. (LB)

8414 UQIM: Unid 2329 RTTY in 50/170 RYRY, no joy. (RB)

8417.5 KFS: San Francisco, CA 0453 FEC w/E/ Pacific wx. (JEB)

8424 SVA: Athens Radio, GRC 0622 ARQ Athens radio ttc 1st (BVR)

8425.5 WNU: Slidell Radio, LA, US 1256 FEC w/tfc list on Ch.819. (RB)

8428.5 UH1A: 2325 ARQ "BCKX BCKX..." (LB)

8432 UDH: Riga R. 1750 ARQ Msg (RR2) [now YLQ -LOGS]

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8478  FUF: FF Navy - Fort de France, Martinique 0449 RTTY 75/850

8502  Unid: 0025 FAX upside down wx map of S.Eastern US and Gulf of Mexico (LB) (USCG, NMG, CommSta New Orleans, La, US -LOGS)

8509  RFFX: Mod Paris 2300 ARQ-E 72/400 Idle (RR2)

8625  FUM: FF Navy - Papeete, Tahiti 0522 RTTY 75/850 Ry's. (JEB)

8672.8  MTO: RN Rosyth 1445 RTTY 75/850 Com Canali (RR2)

8677.5  UGC: St. Petersburg Radio, RUS 0949 ARQ Maritime tfc (DG)

9041  SYE: Nairobi Meteo 2210 RTTY 100/800 Qra (RR2)

9046.2  Unid: 1330 RTTY 75/500 Cripto (RR2)

9051.4  HGX21: MFA Budapest 1600 DUP-ARQ 125/170 Idle (RR2)

9057  DFZG: MFA Belgrad 1400 RTTY 75/400 Press Ing (RR2)

9058.7  Unid Russian Forces 1400 QPSK 1280/800 ID by CODE-30 (DG)

9060  Unid: 2130 RTTY 75/500 Cripto (RR2)

9062  Unid: 1310 RShARQ 228/170 Undecoded (RR2)

9067  Unid: 1735 VFT 0/0 Cripto (RR2)

9087.5  MFA Rome, I 1200 ARQ 100/170 Cripto 5 (RR2)

9100.5  Unid: 1510 PIC-12 20/20 Undecoded (RR2)

9108  A Pol. Den Haag 1350 POL-ARQ 100/250 Msg Pol (RR2)

9110  Unid: Brotherhood? 1420 RTTY 75/500 Cripto 5 (RR2)

9114  HG331: MtI Budapest 1720 RTTY 50/400 Press Ing (RR2)

9116.8  C Alg. Tunis 1300 COQ-8 26/30 Msg Fra (RR2)

9126.7  RTTO: FF Libreville 0750 ARQ-E3 192/400 Idle (RR2)

9130  GYA: RN London 1710 RTTY 75/850 Com Canali (RR2)

9132  A Pol. Bonn 1250 POL-ARQ 100/170 Cripto 5 (RR2)

9135  SNN299: MFA Warsaw 1720 POL-ARQ 100/300 Msg Pol (RR2)

9140  Unid: 1000 PIC-12 20/20 Undecoded (RR2)

9141.4  MFA Alger 1615 COQ-8 26/30 Msg Fra (RR2)

9147  GYE: RN London 1345 VFT 0/0 Wx (RR2)

9153  SNN299: MFA Warsaw 0610 RTTY 75/250 Msg Ing (RR2)

9178  Unid: 2130 ARQhE 184/400 Idle (RR2)

9174.5  MFA Berne UTC? ARQ. (ANEE) HBD: MFA Berna 1440 ARQ Idle (RR2)

9179  MFA Oslo 0830 ARQ Cripto 5 (RR2)

9181  Unid: 1320 PIC-12 20/20 Undecoded (RR2)

9198  A Pol. Brussel 1440 POL-ARQ 100/200 Cripto 5 (RR2)

9220  D22: A Fra. ? 1445 FEC-A 192/400 Cripto 5 (RR2)

9245  Unid: Brotherhood? 1530 RTTY 75/500 Cripto 5 (RR2)

9248.7  Unid: 2130 POL-ARQ 100/170 Cripto 5 (RR2)

9250  RFFG: MFA Warsaw 1400 POL-ARQ 192/400 Cripto 5 (RR2)

9266  OMS: MFA Bratislava 1310 RTTY 100/400 Mgs Slav (RR2)

9278  OMZ: MFA Prague 0800 RTTY 100/400 Msg Cec (RR2)

9286  MFA Paris 0915 ARQ-90 200 new freq (ANEE)

9303  Unid: 1152 RTTY 50/500 formatted msg (DG)

9327.9  MFA Madrid? 0930 F7B 100 normally 9327.8 (ANEE)

9329.5  XVN: Vna Hanoi 1300 RTTY 50/400 Press Ing (RR2)

9331  A Egi. El Djaza 2245 ARQ Msg Ara (RR2)

9336.5  Unid: 1345 RS-ARQ 228/170 Undecoded (RR2)

9351.6  MFA Cairo 1700 FEC wkg consulates San Francisco & Chicago 1700-1730

9352.7  MFA Algeri 2200 COQ-8 26/30 Press Fra (RR2)

9361.9  DFJ361: Piab Bonn 1700 FEC-A 96/400 Press Ted (RR2)

9362  A Pol. Sofia 0930 POL-ARQ 100/250 Msg Pol (RR2)

9363.5  Unid: 2130 ARQ-E 184/400 Idle (RR2)

9369  A Pol. Sofia 0940 POL-ARQ 100/340 Msg Pol (RR2)

9380  Unid: 1415 RTTY 100/400 Msg Rus (RR2)

9386  PGZ: MFA Paris 1100 FEC-A 192/400 Msg Fra (RR2)

9393  Unid: 1100 FEC-A 144/380 Cripto (RR2)

9395  HM6384: Kcna 2145 RTTY 50/300 Press Fra (RR2)

9399  MFA Vienna 1230 ARQ-S 96/170 Cripto (RR2)

9491  BZR69: Xinhua 0005 RTTY 75/400 Qra (RR2)

9797  Y0327: Rompress 1130 RTTY 50/500 Press Ing (RR2)

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10686   WUNhv02: Teheran Meteo 0740 RTTY 50/400 Wx (RR2)
10690   JWT: NN Strevanger 0800 ARQ 100/850 Press Nor (RR2)
10726.5  MFA Paris 1430 FEC-A 192/400 Msg Fra (RR2)
10742   Unid: Brotherhood? 1600 RTTY 75/500 Cripto 5 (RR2)
10748   Unid: MFA ARQ-E 288/316 Crypto (AB3)
10748.5  MFA 1655 ARQ-E 288/330 Cripto (RR2)
10749.5  MFA 1525 ARQ-E 288/330 Cripto (RR2)
10764   UN: A Fra. Belgrado 1710 FEC-A 192/400 Idle (RR2)
10748   Unid: 1535 ARQhE 288/316 Crypto (AB3)
10749.5  MFA 1525 ARQhE 288/330 Cripto (RR2)
10764   G8T: A Fra. Belgrado 1710 FEChA 192/200 Idle (RR2)
10814.2  RFQP: FF Jibuti 2310 ARQhM2 200/400 Idle (RR2)
10844.9  MFA Rome, I 0815 ARQ-N 96 wkg Tripoli? Same at 1000, MFA Rome 1000 ARQ-E 96 wkg Tripoli. (ANEE)
10858   MFA Bucarest 2100 Rou-FEC 164/400 Msg Ing (RR2)
10875.7  RFVI: FF Le Port 2130 ARQ-E 100/400 Idle (RR2)
10876.5  MFA Paris 0910 Arq-E 96/170 Mssg Ita (RR2)
10917   SNN299: MFA Warsaw 1600 POL-ARQ 100/250 Mssg Bul (RR2)
10917.7  RFTJ: FF Dakar, sen 2025 ARQ-E 48 RFFIC (EW)
10917.7  RFTJ: FF Dakar 0910 ARQhE 100/400 Idle (RR2)
10930.5  Unid: 1335 PIC-12 20/20 Undecoded (RR2)
10945   CPH: Can Forces Halifax, CAN 2026 RTTY 75/850 Wx info (EW)
10950.2  FFJ: FF Dakar, sen 2025 ARQhE 48/400 Idle (RR2)
10952   Unid: 1545 ARQ Cripto 5 (RR2) MFA Berne 1600h1615 ARQ new freq. (ANEE)
10954.7  RFTJF: French Forces, Port 2108 ARQ-E3 Bouet, Ivory Coast, in 48/850, w/c de V, C.I. JFD. (RR)
10958.5  Unid: 2200 PIC-12 20/20 Undecoded (RR2)
10969   MFA Berne 0945 ARQ new freq (ANEE)
10980   RSD79: Moscow Meteo, RUS 1206 FAX Wx (EW)
10996.4  C Alg. Lilie 1030 COQ-8 26/30 Mssg Fra (RR2)
11028   Unid: MFA 1520 RTTY 50/400 Wx (RR2)
11037   H6L: French Emb. El Djaza'Ir 0831 FEChA 192/400 chatter/# grps (DG)
11039   DDH47: Hamburg Meteo 1355 RTTY 50/400 Wx (RR2)
11043.2  D2Z: A Fra. Budapest 1645 FEC-A 192/400 Qra (RR2)
11043.7  RFTJF: FF Douala, Cem 0815 ARQhE 192 Wkg RFTJ 0815-2130 (ANEE)
11043.7  RFTJF: FF, Libreville, Gab 2008 ARQ-E3 192 controle de voie (RM)
11047.1  MFA Stockholm 2015 ARQ-SWE 100 (ANEE)
11048   P8C: A Fra. 1125 FEC-A 192/850 Cripto 5 (RR2)
11050   G8T: A Fra. Belgrade 1120 FEC-A 192/400 Mssg Fra (RR2)
11058   8GT: A Fra. Belgrade 1115 FEC-A 192/400 Cripto 5 (RR2)
11063   Lzu2: Sofia Bulgaria 1545 RTTY 50/360 Meteo. (AB3) Lzu2: Sofia Meteo, Bul 1500 RTTY 50/400 Wx (RM) Lzu2: Sofia Meteo 1350 RTTY 50/425 Wx (RR2)
11068   Unid: 0950 RS-ARQ 228/170 Undecoded (RR2)
11077   A Pol. Bucarest 1350 POL-ARQ 100/200 Mssg PoL (RR2)
11077.6  KAZXZD: ESCONDIDO, CA 1710 CLOVER-2000 testing new 8-tone clover.
11080   SANa 1700 RTTY 50/425 Press Ara (RR2)
11085   RFgW: MFA Paris 1415 FEC-A 192/400 Cripto 5 (RR2)
11086.7  MFA Cairo 1000 ARQ receipt side of duplex @1000-1040. (ANEE)
11087.7  DDH47: Amburgo Meteo 1515 RTTY 50/400 Qra (RR2)
11092.4  DOR: MFA Sofia 1500 RTTY 100/400 Press Ing (RR2)
11096.5  MFA Roma 0700 ARQ Mssg (RR2)
11109.5  Unid: 1515 UNID 125/170 Undecoded (RR2)
11110.5  Rfl3: FF Forte France 0915 ARQ-M2 192/400 Idle (RR2)
11117   Unid: MFA Belgrade? 0715 RTTY 75/400 Cripto (RR2)
11119.3  AFS: USAF AWS OM NE, USA 1537 RTTY 75/850 KAWN meteo data off freq? (off freq? - usually 11118.0). (SS)
11120   SNN299: MFA Warsaw 1020 POL-ARQ 100/250 nx items (DG)
11125   HZn: Jeddah Meteo 1350 RTTY 100/400 Wx (RR2)
11133   Unid: 1030 ARQ-E 96/170 Cripto (RR2)
11133   BZG41: Xinhua 1620 RTTY 50/400 Mssg Fra (RR2)
11139   DFgZ: MFA Belgrade 1610 RTTY 75/400 Mssg Ing (RR2)
11143   Unid: Brotherhood? 1045 RTTY 75/400 Mssg (RR2)
11163   Unid: 1746 Twinplex unidentified: On, idles, off, on, idles, off, on, idles off... Sign off in CW at 1900 (RM)
11163   Unid: 1746 Twinplex unidentified: On, idles, off, on, idles, off, on, idles off... Sign off in CW at 1900 (RM)
11166   DOR: MFA Sofia 1845 RTTY 120/500 Press Bul (RR2)
11166.9  Unid: A Egi. 1700 ARQ Mssg Ara (RR2)

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11172  DOR: MFA Sofia 2330 RTTY 150/400 Press Ing (RR2)
11173.1 MFA Bucarest 0805 ROU-FEC 164/400 Msg Rum (RR2)
11173.5 RFGW: MFA Paris 1020 FEC-A 192/400 Cripto 5 (RR2)
Unid MFA Sofia 1115 RTTY 75 wkg Kiev (ANEE)
11292.5 Unid: 0655 PIC/VFT 20/20 Idle (RR2)
11408.5 Irish Navy 0830 ARQ attempted QSO by Irish Navy vsls, then may have shifted to a 15-megger (15725?) (ANEE)
11410.2 Unid: 1445 ARQ (ANEE) [could be PCW1: MFA Den Haag, HOL idling in 100b F7B4 -LOGS] 
11415.2 RFFP: MFA Paris 1200 ARQhM2 200/400 Idle (RR2)
11423.5 SOL242: PAP Warsaw 1900 FEC Press Pol (RR2)
11430  HMF55: KCNA 1405 RTTY 50/250 Press Ing (RR2)
11450  RDD77: Moscow Meteo 1450 RTTY 50/800 Wx (RR2)
11467  SNN299: MFA Warsaw 0610 RTTY 75/250 Msg Sla (RR2)
11476  HMF52: Kcna 2140 RTTY 50/250 Press Ing (RR2)
11480  MFA Roma 0700 ARQ-E 96/170 Mgm Ita (RR2)
11485  AOK: USN Rota, E 1545 FAX 120/576 sea surface temp anal. (BVR)
11503.5 Unid: 1630 FEC (ANEE)
11518.2 RFFA: 0830 ARQhM2 200bd @0830h1145 (ANEE)
11524  Unid: 1615 ARQhE 50 more of these 50bd ones popping up! (ANEE)
11536  HMF49: KCNA 1000 RTTY 50/250 Press Ing (RR2)
11604  YZJ: Tanjug 1000 RTTY 50/400 Press Ing (RR2)
11631.7 Unid: 1045 ARQ-E 192 (ANEE)
11638  DDK22: Amburgo Meteo 1430 RTTY 50/425 wx (RR2)
11680  B2P51: Xinhsu 1425 RTTY 75/400 Qra (RR2)
12006.7 Unid: 1630 ARQ unid French under a broadcaster 1630-1800 (ANEE)
12070.4 Unid: 1511 RTTY 75/1000 nx in SS, followed by op chatter (SS)
12086.4 Unid: 0815 ARQ-E 192 (ANEE)
12090.2 RFTJ: FF Dakar 2125 ARQ-E 192/400 Idle (RR2)
12103  MFA Stockholm 0930 ARQ-SWE 100 wgk Zagreb (ANEE)
12107  MFA Bucharest, ROU 1400 RUM-FEC 164.48 tfc (ANEE) [should be V5G -LOGS]
12110  YOM21: Rompress 1120 RTTY 50/400 Press Ing (RR2)
12114  DOR: MFA Sofia 1010 RTTY 75/500 Msg Bul (RR2)
12125  SNN299: MFA Warsaw 1700 POL-ARQ 100/250 Msg Pol (RR2)
12130  MFA Bonn 1030 ARQ-E 96 (ANEE) DMK: MFA Bonn 0940 ARQ-E 96/170 Idle (RR2)
12131.5 Unid: PIAB ? 1530 FEC-A 96/400 Press Ted (RR2) [yes, DFM13, PIAB Bonn -LOGS]
12132  Unid: MFA Algeri ? 1435 RTTY 50/200 Mgm Fra (RR2)
12138  DOR: MFA Sofia 0155 RTTY 75/400 Msg Bul (RR2)
12145  HWN: F Navy Paris 2145 RTTY 75/850 Qra (RR2)
12145 Unid: 219 RTTY 100/850 encrypted text (EW)
12150  MFA Rome, I 0800 ARQ-E 96 w/circular 0800-1100 new mode this ckt. Same at 1030, wgk Eastern bloc embassies, UN & EU reps, Belgium. (ANEE) MFA Roma 0800 ARQ-E 96/170 Cripto 5 (RR2)
12158  MFA Rome 1130 ARQ-E 96b wgk @1130-1245 tfc fm Minsk to Rome via Moscow, Warszaw, Kiev, Alma Ata & Vilnius- new freq (ANEE)
12173  SNN229: MFA Warsaw 1700 POL-ARQ 100/250 Msg Pol (RR2)
12173  HNW: F Navy 1000 RTTY 75/800 Test (RR2)
12174  Brotherhood 0755 RTTY 75/500 Cripto 5 (RR2)
12175  KCNA 2330 RTTY 50/250 Press Ing (RR2)
12178  DOR: MFA Sofia 1040 RTTY 150/400 Mgm ? (RR2)
12186  Jana 1550 RTTY 50/400 Press Fra (RR2)
12190.2 DOR: MFA Sofia 0945 RTTY 150/500 Mgm Bel (RR2)
12194 Unid: "KUL"-transmission 1400 RTTY 75/439 "11177 00052 40429 14064 05395". (JJ2) [Ary sez this is SOUD Moscow with a msg to 'KUL' -LOGS]
12195  Unid: 1730 RTTY 100/500 Cripto 5 (RR2)
12202  Unid: 1300 FEC-A 144/400 Mgm (RR2)
12204  SNN299: MFA Warsaw 1310 POL-ARQ 100/170 Msg Pol (RR2)
12205  UNID: 2047 RTTY 75/850 RYS into enc. after VMGTCNJ, w/Royal Navy London fleot msges. (SS)
12208  OMZ66: MFA Bratislava 1000 RTTY 100/400 Mgm Slo (RR2)
12210  OMZ: MFA Prague 0845 RTTY 100/400 Mgm Cec (RR2)
12212.5 YG207: Tanjug 1330 RTTY 50/425 Press Ing (RR2)
TG's. UUJN: STM Aleksandr Lavrenov 1925 RTTY in 50/170 RYRY/DE to UIW, & into admin tlxs. (RB)

12566
YLEI: TR Ekholots 1708 RTTY in 50/170 RYRY/DE to UQK (old Riga c/s), & into tlx to unid port authorities listing vsl weight as 4133 (DWT?) & w/39 crew aboard, from master, KM Kamozin. (RB)

12566.5
UWSB: TKH Kapitan Medvedev 1823 RTTY in 50/170 RYRY/DE to UIW, & into admin tlx to unid port authorities listing vsl weight as 4313 (DWT?) & w/39 crew aboard, from master, KM Kamozin. (RB)

12566.5
UYUW: TH Iona Yakir 1847 RTTY in 50/170 RYRY/DE to UIW, & w/crew TG's (ODS/UMF). USEP: TKH Mikhail Stel'makh 1817 RTTY in 50/170 RYRY/DE to UIW, & w/DISPh1 report for UTOK, TKH Akademik Eugeni Paton; sends same for themselfs; admin tfc for TKH Kapitan Dzuraevich; DISP-1 report for TKH Karl Liebknecht, UWPR; (RB)

12567.5
& same for UTOB, TKH Aleksandr Tsyurupa. (RB)

12568
EMPL: BATM Kapitan Buga 1902 RTTY in 50/170 RYRY/DE to UTSW, RTMKS Kapitan Orlikova, & w/admin tfc from master KMD Angelov, also sends DISP-1 report for BATM Kapitan Solyanik (unk c/s), & "Antarktika PRP" tfc for UUJN, STM Aleksandr Lavrenov. (RB)

12569
YLEK: BMRT Karlis Bude 1534 RTTY in 50/170 tfc to Riga Radio using hull#/ID BMRT-490, also sends for RTMS Aitsinayams w/hull#/ID LM-7552; YLFR, TSM Milgravis Smirnov; and YLEFS Kapitan Jedenskiy. YLEL: BMRT Gunars Akis 1613 RTTY in 50/170 tfc from master using hull#/ID of BMRT 575. Also sends tfc for other trawlers. YLFP: RTMS Misa 1617 RTTY in 50/170 admin msgs from master KMD Dvoryatkin using hull#/ID RTMS-7569, also sends same from YLEP, BMRT Robert Eydeman from master KM Borisevich using hull#/ID BMRT 249, and YLEL, BMRT Gunars Akis as BMRT 575, ex-EWZG, BMRT Viktor Khudyakov? (RB)

12569.5
YLFB: RTMS Aitsinayams 1542 RTTY in 50/170 w/crew TG's using hull#/ID LM-7552. UEMP: RTMS Malta 1801 RTTY in 50/170 RYRY/DE to UIW, & into crew TG's using hull#/ID RTMS 7563, is ex-LYEB. (RB)

12571
UTQZ: YEVGENIY ONUFRIYEV 1450 ARQ H/P is ARK, Built 1970, 1684 tons General Cargo vsl. (ES)

12572
USRV: BATM Marshal Yeremenko 1745 RTTY in 50/170 crew TG's to Murmansk using hull#/ID MA-0064. (MRM/KRH). (RB)

12572.5
UALU: NIS Atlantida 2214 RTTY in 50/170 5NG msgs in BBXX wx obs format (including the c/s). (KLD/KRH). (RB)

12573.5
UINN: BMRT Otrog 1827 RTTY in 50/170 RYRY/DE to UIW, & into crew TG's (KLD/BMP). (RB)

12575
4530: 1603 ARQ Unid "4530 sn x +?" (BvR)

12576.5
LYFI: BATM Marshal Novikov 1710 RTTY in 50/170 RYRY to UIW & into crew TG's/admin msgs from master KM Khtsura. (RB)

12580
GKE5: Portishead R, G 1600 FEC Wx chiaro (RR2)

12697
USU: Mariupol R, UKR 1204 RTTY 50 ryry, msgs. (HS)

12790
USCG Miami 0000 FAX (///8504) w/wind & wave heights for the Gulf of Mexico. (DD) [remoted maybe, but there is no more NMA, CommSta Miami, these are sent by NMG, CommSta New Orleans -LOGS]

12903.1
RBSL: RTTY 50/748 Navy India, Bombay. (J32)

12905.9
Unid: 1455 50/750 CARB message de GYA + [have logged MTO here 2/95] (SS) MTO: RN Rosyth 1455 RTTY 75/850 Com Canali (RR2)

12947
UFB: Odessa R. 1755 RTTY 50/170 Mgs Rus (RR2)

13054
UJJ: Kaliningrad 1755 RTTY 50/170 Mgs Rus (RR2)

13073.5
C37A: Mossad 1315 ARQ-E 288/330 Cripto (RR2)

13226.7
Unid Prob. Egyptian MFA 1330 ARQ atu-80 msgs (DG)

13331.7
Unid: Prob Egyptian MFA 0909 ARQ atu-80 msgs (DG)

13347.7
MFA Cairo 1655 ARQ 100/179 Idle (RR2)

13365.7
Unid: Nairobi Air? 1650 RTTY 50/170 Mgs Ing/Wx (RR2) [yes, 5YD -LOGS]

13373.4
SDY: Nairobi Air 1650 RTTY 50/200 Qra (RR2)

13376.5
Guardia xxxx ARQ tfc on Guardia Tenerife-Madrid link (ANEE)

13378.5
MFA Madrid? 0900 ARQ @0900-0945 chatter (ANEE)

13389
Unid: 0820 ARQ Italian Diplp, 5LG to middle east embassies (AB3)

13397
DFZG: MFA Belgrado 1050 RTTY 75/400 Msg Ing (RR2)

13399
DFZG: MFA Belgrado 1430 RTTY 75/400 Qra (RR2)

13401.7
MFA Cairo 1620 FEC Mgs Ara (RR2)

13414
Unid: 1330 POL-ARQ 100/250 Msg Pol (RR2)

13415.2
MFA Den Haag 0930 F7B 100 idle (ANEE)

13416
Unid: 0830 ARQ-E 288 w/kg Mossad stn (ANEE)

13419
6XM8: BND, Bonn, D 1442 ARQ-E 288 enc to C37A. Same at 1504. (RM)

13420
A Pol. Baghdad 1320 POLhARQ 100/300 Mgs Pol (RR2)

13428.4
DFN43: Piab Bonn 0810 FCE-9 26/30 Mgs Fra (RR2)

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14688  MFA Bucarest 1700 ROU-FEC 164/400 Cripto (RR2)
14699  YIX70: INA 0900 RTTY 50/350 Press Ara (RR2) YIX70: INA BAGHDAD 1150 RTTY 50/425 nx in Arabic. (EW)
14709.5 Unid: 1525 PIC-6 20/20 Stand by (RR2)
14718.3 RFHI: 1015 ARQ-E 100 wkg RFHI (ANEE) [RFHI is FF Noumea, NCL -LOGS] RFHI: FE Noumea, NewCal 2200 ARQ-E 100 idle (EW)
14722  Unid: 1147/778 encrypted text (EW)
14727.1 Unid: 1525 PICh6 20/20 Stand by (RR2)
14732.5 RFHI: 1015 ARQhE3 100 wkg RFHJ (ANEE) [RFHI is FF Noumea, NCL hLOGS] RFHI: FF Noumea, NewCal 2200 ARQ-E 100 idle (EW)
14732   Unid: 1147 Unid 150/778 encrypted text (EW)
14732.1 Unid: 1332 ITAh2 RTTY 150/500 After some manipulation I was able to get readable text that consisted of 5 grp and 6 grp numbers. Previously noted unid on 14727khz, as reported by Joseph Cini in WUN#12. This Freq is also mentioned in WUN#3 as a "Brotherhood" frequency. (DG) [yes, link 10424 to BPA -LOGS]
14738   Unid: Unlocated MFA 1059 POL-ARQ 100/250 Polish text (DG)
14760   CNM61: MAP Rabat, MRC 1327 RTTY 50 EE nx. (HS) CNM61: MAP 1310 RTTY 50/425 Press Ing (RR2)
14761.5 NNN7?: Usn Mars ? 1520 PACTOR 200/200 Tlx Ing (RR2)
14762.5 NNNQKF: Usn M. Nazareth 1630 ARQ Tlx Ing (RR2)
14764  A9M70: Gna Manama 1620 RTTY 75/400 Press Ing (RR2)
14775  RPTI: PN Ponte Delga 1330 RTTY 75/800 Cripto (RR2)
14781.7 Mossad: 1500 RTTY 100 idle cw sequence Mossad to Sismi. (ANEE)
14782.8 Unid: 0930 F7B 100 maybe MFA Oslo? weak (ANEE)
14785  ATP65: Me Delhi 1500 RTTY 45/400 Press Ing (RR2)
14798.7 RFFVAE: FF DHAHRAN, SAU 1144 ARQhE3 200/425 idle (EW) RFFVAE 1320 ARQ-E 192/200 tfc to RFFUBA/RFFUBI/RFFUDF. (JJ2)
14801.3 RFVI: French Forces, Le Port 1855 ARQ-E3 Reunion Isl idling in 100/425. (RR2)
14801.7 MFA Cairo? 1330 ARQ. (ANEE)
14801.7 RFVI: FF Le Port 1510 ARQ-E3 100/400 Idle (RR2)
14803  Unid: 1437 ROU-FEC 164.5/400 Romania, press. (M=1)(ED)
14810  MFA Warsaw, POL? 1445 ARQ-POL 100 (ANEE)
14812  OMZ: MFA, Prague, CZE 1236 RTTY 100/500 nx/CZ + circulars. (RM)
14814.4 MFA Stockholm 1000 ARQ-SWE 100bd fm lagos *klingenfuss says sofia; this circuit varies between 14814.35-14814.50 (ANEE)
14814.5 SAM: MFA Stockholm 1410 SWEhARQ 100/400 Msg Sve (RR2)
14822  VKX275 : Brotherhood 1600 RTTY 75/400 Cripto 5 (RR2)
14840.4 DOR: MFA Sofia 1051 RTTY 150/500 nx items (DG)
14840.5 HGX21: MFA Budapest 1340 DUPhARQ 125/170 Msg Ung (RR2)
14842  Unid 1140 FAX 120/576 very poor signal who is this? (EW) [ATV65, Delhi Meteo, India -LOGS]
14845.3 DOR: MFA Sofia 1000 RTTY 150/500 Press Bul (RR2)
14867.8 MFA Cairo 1600 ARQ Msg Ara (RR2)
14877.5 AAAUUSA:Fort Sam Houston, Tx 1826 PACKET Central Army MARS gateway, wkg AAAUUSA, Fort Lewis, Wa, Army MARS Western gateway. Note the first "A" in ea c/s is dropped to conform to packet protocol w/these stations. (RB)
14903  SAM: MFA Stockholm 1445 ARQ-SWE 100/400 Mgs in Polish. (EW)
14903.1 SNN299: MFA Warsaw, POL 1133 POL-ARQ 100 msgs in Polish. (EW)
14906.7 MFA Cairo 1030 ARQ tfc fm Moscow @1030-1130 (ANEE)
14909.7 A Eg!ini 1000 ARQ Cripto 5 (RR2)
14911.7 Unid: 0730 ARQ-E3 192 (ANEE)
14912  DFZG: MFA Belgrade 1120 FEC-A 144/400 Idle (RR2)
14912.5 SQQ291: PAP Warsaw 1420 FEC Msg Pol (RR2)
14926.7 RFTJ: French Forces, Dakar, 1828 ARQ-E3 Sen, idling in 192/425. (RB) RFTJ: FF Dakar 1335 ARQ-E3 192/400 Idle (RR2)
14936.5 NNN0MDE: USN MARS 1445 ARQ. Unid USN Mars, Bahrain 1600 ARQ. (ANEE) NNN...: Usn Mars FL/Bhr 2120 ARQ/FEC Qra (RR2)
14943.7 MFA Cairo 1315 ARQ-fm Addis Ababa (secall-kkvb) @1315-1415 (ANEE)
14943  MFA Warsaw, POL? 0730 ARQ-POL 100 (ANEE)
14948  MFA Cairo 1330 ARQ Msg Ara (RR2)
14950  Unid: 0945 ARQ-E 288 bnd (ANEE)
14958  Unid: A Tur. ? 1010 FEC-A 148/450 End (RR2)
14961.7 EGYPTIAN EMB, MOSCOW 1125 ARQ 100 encr msgs (EW)
14966.7 MFA Cairo 1215 ARQ wkg Moscow (ANEE) A Eg!ini Mosca 1430 FEC Msg Ara (RR2)
14970.3 MFA Stockholm 1030 ARQ-SWE 100bd fm tehran weak (ANEE) SAM: MFA
Stockholm 1335 SWEhARQ 100/400 Msg Sve (RR2)

14971.7 A Egi. Mosca 1625 FEC Msg Ara (RR2)
14975 P6Z: MFA Paris 0705 FEC-A 192/400 Msg FF. (RR2)
14980 RAU: Brotherhood 1410 RTTY 75/400 Qra (RR2)
14981 Unid: 1400 RTTY 75/500 Press Sla (RR2)
14981 DOR: MFA Sofia 1430 RTTY 75/400 Msg Bul (RR2)
14981 Unid: 1545 IRA-ARQ 240/400 Undecoded (RR2)
14989 TNL: As. Brazzaville 1455 ARQhM2 96/400 Wx + Msg (RR2)

15460.5 Unid: 1322 ??????? 12 tone? ? UNID 12 tone system, sounds much like Coquelet (Center channel idle state). (ED)
15633 HMF26: Kcna 1000 RTTY 50/250 Press Ing (RR2)
15644.9 MAP 1305 RTTY 50/400 Press Ing (RR2)
15654.9 CNM65.1: MAP 1305 RTTY 50/500 Press Ing (RR2)
15660.5 MAP 1305 RTTY 50/400 Press Ing (RR2)
15684.9 MAP 1610 RTTY 50/400 FF Press. (RR2)
15688 German BND 1015 ARQ-E 288 BND wkg Mossad (ANE)
15691.5 Unid: 1030 ARQ (ANE)
15705 YZJ237: Tanjung 1500 RTTY 50/400 FF Press. (RR2)
15715 MAP 1700 RTTY 75/400 FF Press. (RR2)
15728.9 PCW1: MFA Den Haag 1650 ARQ/FEC Idle (RR2)
15729.2 MFA Den Haag 1030 F7b 100 (ANE)
15730.3 MFA Den Haag 1315 F7b 100 usually 15730.5 (ANE)
15731 Suna 1505 RTTY 50/135 Press Ara (RR2)
15746 SNN299: MFA Warsaw 0900 POLhARQ 100/200 Msg Pol (RR2)
15761.7 MFA Cairo 1300 ARQ wkg Prague. New freq (ANE)
15790.5 Unid: 1340 PIC-ID 20/20 Undecoded (RR2)
15792 A Pol. Kinshasa 1615 POL-ARQ 100/300 Idle (RR2)
15801.7 MFA Cairo 1330 ARQ wkg Central Europe, Baltic states, Bonn (ANE)
15812.9 SAM: MFA Stockholm 0750 SWE-ARQ 100/400 Cripto 5 (RR2)
15826.6 Unid: 1330 UN-PACTOR 200 (ANE)
15833 MFA Bucharest 1500 ROU-FEC 164/400 Msg Rum (RR2)
15841.6 MFA Ankara 1000 FEC-A 144bd fm addis ababa 1000–1100 (ANE)
15841.6 Unid 1015 UN-PACTOR 200 tfc (ANE)
15855.5 MK-6 MTS Falkland Is 2318 Piccolo to MKK, Op msg. re:QSY to fz13/Kilo. (ED)
15857.6 Unid: 1035 RS-ARQ 228/170 Undecoded (RR2)
15858.6 A Ted. Madrid 2100 ARQ-E 96/170 Idle (RR2)
15860 RXXF: 1030 ARQ-E 72 wkg rffxi (ANE) [RXXF is MOD Paris, F -LOGS]
15862 SAM: MFA Stoccolma 1335 SWE-ARQ 100/400 Msg Sve (RR2)
15871 Unid: 1230 RTTY 50bd (ANE)
15873 MFA Paris 1100 FEC-A 192bd idle 1100–1130 (ANE)
15873 P6Z: MFA Paris 1500 FEC-A 192/400 Msg Fra (RR2)
15889.7 A Pol. Tripoli 1200 ARQ Msg Ara (RR2)
15892 TAD: MFA Ankara 0945 FEC-A 144/850 Press Ing (RR2)
15898 RFGW: MFA Paris 1720 FEC-A 192/400 Idle (RR2)
15904.5 PT-11: Irish Navy UTC? ARQ selcall cvvz is up on 15904.5 mhz. They should shift down to 4601.5 pretty soon, then 3451.5 & 2461.5 kHz for the nighttime. He is out w/vsl PT-48 (selcall cvxt, unid hull).

Usually there is a third vsl. (ANE)
15917.7 BWB 1: A Ind. Belgrado 1410 RTTY 50/170 Qra (RR2)
15922.4 DGP42: Piab Bonn 1310 FEC-A 96/400 Press Ted (RR2)
15929.9 Embacuba 1230 RTTY 50/400 Msg Spa (RR2)
15935 SUA291: Menia 1710 RTTY 75/500 Press Ing (RR2)
15958 TAD: MFA Ankara 1530 FEC-A 144/850 Msg Sve (RR2)
15959.7 MFA Cairo, EGY 1330 ARQ wkg Abu Dhabi, Beirut (ANE)
15969.2 Unid: 1447 ARQ idling to 1455 (RM) [poss QSY of 15647.2, Dutch diplo w/Dutch embassy Khartoum noted -LOGS]
15988.5 DUTCH EMB? LOC 0735 TWINPLEX 100/+/85/+255. F7b-4.irs mode. (DW)
16008 DOR: MFA Sofia 1510 RTTY 75/500 Cripto 5 (RR2)
16013.7 MFA Cairo 1400 ARQ. MFA Cairo 1045 ARQ tfc to Abu, Bhabi, Bahrain, Beirut, Tunis, Algiers, Khartoum, Rabat, Riyadh, Sanaa, Muscat, Amman, Dakar, Nairobi, Harare, Ndjamena, Dar Es Salaam, Kampala, Kinshasa, Conakry, Laounde, Lagos, Asmara, Guinea-Bissau, Havana-all rcv msgs (ANE) MFA Cairo 1540 ARQ Msg Ara (RR2)

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16280  RFQP: FF Jibuti 1450 ARQ-M2 200/400 Idle (RR2)
16285.9 Unid: MFA Oslo ? 1100 TWINPLEX 100/400 Msg Nor (RR2)
16301  MFC6: 1337 CW/RTTY MFC6 sending "VVV VVV VVV DE MFC6 MFC6" brief service message followed by test transmissions in 425 Hz RTTY. The RTTY transmissions were so short that I was unable to get the decoder online to copy the digital mode (MC)
16302.2 DFZG: MFA Belgrade 1430 RTTY 75/400 Cripto (RR2)
16304  OMZ: MFA Prague 1200 RTTY 100/400 Cripto (RR2)
16305.7 RFTPC: FF N'Djamena 1500 ARQhE3 200/400 Idle (RR2)
16311.5 C37A: MFA Mosad 1130 ARQ-E 192/300 Cripto (RR2)
16312.5 MFA Mosad 1015 ARQ-E 288 Mosad>BND (ANEE) C37A: MFA Mosad 1505 ARQ-E 288/350 Cripto (RR2)
16318  MFA Algeri 1500 COQh8 26/30 Msg Fra (RR2)
16318.7 MFA Cairo, EGY 1345 ARQ (ANEE)
16322  A Rom. Tel Aviv 0940 ROUhFEC 218/500 Cripto (RR2)
16327.7 MFA Cairo, EGY 1030 ARQ 1030h1930 (ANEE)
16332  MFA Bucarest 1440 ROUhFEC 164/400 Msg (RR2)
16337  Unid: 1639 ARQ6h90 200 "316" u/i French diplo, s/o msg to "319" then to CW w/3 dashes & QRT (RM)
16339.5 CJL: MFA Mosad Nicosia 0720 ARQhE 96/350 Idle (RR2)
16342.5 MFA Bucharest 1306 ROUhFEC 218/400 diplo tfc (DG)
16354.2 A Rom. Madrid 1100 ROUhFEC 218/400 Cripto (RR2)
16355  UCE: Arkelhsd R. RUS 1712 FFC w/tx in RR (RM)
16356  Unid 1539 Pactor u/i w/msgs in Czech (RM)
16357.5 HGX21: MFA Budapest 1545 DUPhARQ 125/170 Cripto (RR2)
16358  LGXB: M/V ELLEN HUDIG 2120 ARQ W/AMVER/PR 0400S 09252W. LOGIN: 36249 LGXB. (WT)
16359.5 ENWU: UNID 1934 ARQ CHKIN QRU, LOGIN: 67799 ENWU. CAN'T ID THIS ONE. (WT) [M/V Hai Ji -LOGS]
16360  LAU4: M/V Bruno 1618 ARQ w/posn tlx, 3017N/0450W, ETA Panama, login 26215 BRUNO. LAI4K: M/V Swan Stream 1635 ARQ w/AMVER tfc.(RB)
16369.5 KEOD: SS Nuevo San Juan 1614 ARQ w/tlx for bunkers/ballest status, login 10631 KEOD. P3W5: M/V Commander 1617 ARQ w/noon posn report, 2609N/05354W, ETA Amsterdam. (RB)
16369  SXK: M/V Thalassa Desagines 1648 ARQ w/tlx for ETA Rio Haina. (RB)
16369  P3CF6: M/V AGIA THALASSINI 2038 ARQ w/tlx LOGIN: 23180 AGTH. (WT)
16369  3FVK3: UNID 2248 ARQ w/AMVER TFC 3150N 16545W. ETA BALBOA. (WT) [M/V Hai Ji -LOGS]
16369  LAU4: M/V Bruno 1618 ARQ w/posn tlx, 3017N/0450W, ETA Panama, login 26215 BRUNO. LAI4K: M/V Swan Stream 1635 ARQ w/AMVER tfc.(RB)
16369.5 KEOD: SS Nuevo San Juan 1614 ARQ w/tlx for bunkers/ballest status, login 10631 KEOD. P3W5: M/V Commander 1617 ARQ w/noon posn report, 2609N/05354W, ETA Amsterdam. (RB)
16369  LXBU: M/V ELLEN HUDIG 2120 ARQ w/AMVER/PR 0400S 09252W. LOGIN: 36249 LXBU. (WT)
16369  SVKY: M/V Paraskevi II 1635 ARQ w/tlx for ETA Santana pilot, login 36586 SVKY. (RB) HQNE9: M/V MARCOS DIAS 2015 ARQ w/MSG in SS. 3138N 1230S W ETA BALBOA 2-4, ETA FORTALEZA 2-14. (WT)
16369.5 WLBV: RICHARD G MATTHIESEN 2010 ARQ SMDG MSG RCVD FM AYUBIA/AQPA OF CAPSIZED BOAT AT 2724N 09437W. (WT)
16369  3EZS8: M/T FANDANGO 2015 ARQ w/tlx LOGIN: 26210 FANDAN. LXDC: CRYSTAL PRIMADONNA 1920 ARQ w/tlx LOGIN: 29056 LXDC. C6KR7: WINTER MOON 2054 ARQ w/tlx TO: WINTER WAVE. LOGIN: 26125 WINMON. 5LPH: M/V WORLD WOOD 2203 ARQ RX TFC. LOGIN: 29360 5LPH. (WT)
16369.5 P3VI2: M/V Antigonos 1701 ARQ w/tlx in app GG, login 29330 P3VI2. C4XB: M/V Sentosa 1723 ARQ w/posn report to Clipper Denmark. C4ZB: M/V Corryton 1815 ARQ w/noon report tlx, posn 2417N/08258W, ETA Lisboa. C6IE6: M/V Snow Flower 1835 ARQ w/BBXX wx obs via SAB to "Meteo Norrkoping", Login 61724 SNOW. 9HWW3: M/V Gruz 1846 ARQ w/tlx to Amsterdam. (RB)
16370  LAQMN: M/V Sibolfe 1725 ARQ w/AMVER/PR, login 29012 LAQM. (RB)
16370  3EYB6: M/V Kudz 1733 ARQ w/noon report tlx. (RB)
16370.5 WGJT: SS Kaimoku 1847 ARQ U.S. flagged Ro/Ro container ship, w/QRG report via KFS. (RB)
16370  UNOJ: TKH Dekabrist 1642 ARQ w/tlx re agents info. (RB)
16370  D2ZY: Microwave Communication Bulakan, PHL 1847 FEC w/tx of PHL in EE (RM) [this has also been reported as Filipino crewed ships relaying this nx broadcast to each other -LOGS]
16370  PORTISHEAD RADIO (GKE6) 1325 CW/ARQ Marker "GKE6" & tuning bursts. (Dw)
16371  ST LYS RADIO (FFT81) 1327 CW/ARQ Marker "FFT" & tuning bursts. (Dw)
16371  BAHRAIN RADIO (A9M) 1329 ARQ Wkg unid ship. Then marker "de A9M tlx"
WUNhv02

& tuning burst. (DW)

16812  MOBILE RADIO (WLO) 1333 CW/ARQ Marker "WLO" & tuning burst.. (DW)

16813  MOSCOW RADIO (UAT) 1335 CW/ARQ Marker "de UAT" & tuning burst. (DW)

16814  MOBILE RADIO (WLO) 1337 CW/ARQ Marker "WLO" & tuning burst. (DW)

16829  UBN: Mariupol R. 1800 ARQ Msg Rum (RR2)

16830.5  SVU6: Athens R. 1410 FEC Msg Gre (RR2)

16836.5  WLO: USA 1525 ARQ Mobile Radio tlx tfc to ppux (BvR)

16841.1  JMS: 2230 RTTY following tfc was passed to 'JMS' on link 00127. Possible Frequency changes: 1. QWK QDG FM 02/02 TO NEXT QWK: FM 00.00 TO 13.00 QSW 9419/7945/10404, FM 13.00 TO 24.00 QSW 13350/15796/10404. 2. QUC? TIKAS SEE UR QSL QPP. This was preceeded by the following traffic references & request to relay. (EW2) [Ary sez this is SOUD Havana, JMS is indeed the recepient. This is the freq sked for the period 2/02 till the next announcement -LOGS]

16905  FUV: DJI 1517 RTTY 75 FN Djibuti, ryyryryryry de fuv fuv. (BvR)

17049  UFB: Odessa R. 1620 RTTY 50/170 Msg Rus (RR2)

17191  Unid ?/170 don't know what this is. sounds like sstv.off at exactly 0430 UTC. Any ideas? (EW)

17280  Unid: 1510 RShARQ 228/170 Undecoded (RR2)

17400  Unid: 0710 RTTY 150/400 wx (RR2)

17413.6  CLP23: Embacuba Lagos 1615 RTTY 50/400 Msg Spa (RR2)

17416.9  MFA Stockholm 1430 ARQ-SWE 100 new circuit (ANEE)

17432  DFZG: MFA Belgrado 1430 RTTY 75/400 Qra (RR2)

17441.5  SYE: Nairobi Meteo, KEN 1040 RTTY 100/850 coded wx (RM) 5YE: Nairobi Meteo 1300 RTTY 100/800 wx (RR2)

17443  BZ648: Xinhu 1255 RTTY 50/425 Press Fra (RR2)

17445.5  SYE: Nairobi Meteo, KEN 1045 FAX 120/576 wx maps (EW)

17460  Unid: 1045 RTTY 50 encrypted tfc (ANEE)

17462.7  RPPTC: FF N'Djamena 1635 ARQ-M2 200/400 Idle (RR2)

17464  Unid: 0547 RTTY 75/425 5LGS off at 0600. No id. (EW)

17464  Unid: MFA Bucarest? 1300 ROUhFEC 164/400 Msg Rum (RR2)

17468  HGO24: Mti Budapest 0815 RTTY 50/400 Press Ing (RR2)

17470  Unid: 1615 VFT 0/0 Vedi Note (RR2)

17476.7  MFA Cairo, EGY 1130 ARQ wkg Paris (ANEE) MFA Cairo 0930 ARQ Cripto (RR2)

17483  MFA Bucarest 1040 RTTY 75/400 Msg Rum (RR2)

17521.6  HS6W61: Bangkok Meteo 1910 RTTY 50/400 Wx (RR2)

17550.9  RFTJ: FF Dakar 1630 ARQ-E3 192/400 Idle (RR2)

17590  HZN49: Jeddah Meteo, SAU 1037 RTTY 100/850 wx (EW) HZN49: Jeddah Meteo 1425 RTTY 100/800 wx tfc (DG) HZN49: Jeddah Meteo 1500 RTTY 100/400 Wx (RR2)

17934  SNN299: MFA Warsaw 1145 POLhARQ 100/250 Msg Pol (RR2)

18013.7  RFPA: Mod Paris 1255 ARQ-M2 200/400 Idle (RR2)

18021.7  MFA Cairo 1530 ARQ Msg Ara (RR2)

18038  MFA Cairo 1917 RTTY 50/400 Havanna hand typed Sp. Msg.,10/9 sig. Havanna to Congo, MFA Cuba. (ED)

18040.5  HGX21: MFA Budapest 0700 DUP-ARQ 125/170 Msg Ung (RR2)

18040.9  HGX42: A Ung. Teheran 0810 DUP-ARQ 125/170 Msg Ung (RR2)

18050  SNN299: MFA Warsaw 1020 POL-ARQ 100/200 Msg Pol (RR2)

18055  DFZG: MFA Belgrado 1420 RTTY 75/400 Cripto (RR2)

18059.1  MFA Warsaw 1330 ARQ-POL 100 wkg Ottawa till 1515 (ANEE)

18060  SNN299: MFA Warsaw 1530 POL-ARQ 100/250 Msp Pol (RR2)

18064  SNN299: MFA Warsaw 1045 POL-ARQ 100/200 Msp Pol (RR2)

18066.4  Ircc 1430 PACTOR 200/200 Msp Ing (RR2)

18066.5  MFA Jakarta 1145 ARQ fm ankara 1145-1330 (ANEE)

18082  SNN299: MFA Warsaw, POL 0408 POL-ARQ 100 5 ltr grps w/poor signal. (EW)

18092  SNN299: Warsaw. POL 2216 POL-ARQ 100/300 6 CRC, Pol msg. to emb.in Brasilia. (ED)

18173.5  STK: KHARTOUM AIR 1314 RTTY 50/400 ry's and "qjh HSSSYFHX" tests. (DW)

18174.2  Unid: 1145 POL-ARQ 100/250 Msp Ing (RR2) [Ary sez MFA Warsaw -LOGS]

18187.5  SAM: MFA Stoccolma 1500 SWE-ARQ 100/400 Msp Sve (RR2)

18203  P6Z: MFA Paris 1600 ARQ-6/90 200/400 Idle (RR2)

18211.7  Unid: A? 1445 FEC Cripto 5 (RR2)

18211.7  MFA Cairo 1330 ARQ Msp Ara (RR2)

18220  JMH5: Meteo Tokyo 0405 FAX 120/576 weather map (EW)

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<th>Remarks</th>
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<td>19101.7</td>
<td>RFLI: FF Fort de France, Martinique 1520 ARQ-E3 192/400 Idle (RR2)</td>
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<td>19130</td>
<td>FSB61: Interpol Lyon, F 1020 ARQ encrypted msgs (EW)</td>
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<td>19141.4</td>
<td>A Alg. Abidjan 1100 COQ-8 13/30 Msg Fra (RR2)</td>
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<td>19160.3</td>
<td>DOR: MFA Sofia 1030 RTTY 150/500 Msg Bul (RR2)</td>
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<tr>
<td>19171</td>
<td>CNM85X11: MAP Rabat, MOR 1019 RTTY 50/425 news in E (EW)</td>
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<tr>
<td>19204.7</td>
<td>RFLI: French Forces Fort de France, Martinique 1745 ARQ-E3 192/425 idling. (RB)</td>
<td>RFLI: FF Fort France 1625 ARQ-E 192/400 Idle (RR2)</td>
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<tr>
<td>19266.7</td>
<td>MFA Cairo, EGY UTC? ARQ (ANEE)</td>
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<tr>
<td>19306.7</td>
<td>PCW8: A Ola. Tripoli 1540 ARQ Idle (RR2)</td>
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<tr>
<td>19313</td>
<td>UNHCR Zaire 1500 ARQ wkg Geneva, then stepped on by pactor 200 UNHCR</td>
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<tr>
<td>19360</td>
<td>DOR: MFA Sofia 0900 RTTY 75/500 Msg Bul (RR2)</td>
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<tr>
<td>19400</td>
<td>VVD69: Delhi Meteo 1051 RTTY 50/250 wx tfc (DG) VVD69: Delhi Meteo, Ind 1014 RTTY 50/170 wx (EW)</td>
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<td>19463</td>
<td>Suna 1015 RTTY 50/850 Press Ing (RR2)</td>
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<tr>
<td>19567.7</td>
<td>A Egj. Libia 1220 ARQ Msg Ara (RR2)</td>
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<tr>
<td>19608.5</td>
<td>A Pol. Nairobi 1400 POL-ARQ 100/200 Msg Pol (RR2)</td>
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<tr>
<td>19647</td>
<td>SSF: Unid 1710 FEC-A 192/850 Cripto 5 (RR2)</td>
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<td>19672</td>
<td>A Pol. Lagos 1730 POL-ARQ 100/250 Msg Pol (RR2)</td>
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<tr>
<td>19724.5</td>
<td>UZW: Kaliningrad Radio, RUS 1010 RTTY 50/170 Russian msgs WTSCA (EW)</td>
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<tr>
<td>19746.7</td>
<td>Unid: 0340 RTTY 75/850 encrypted. runs for hours every day! (EW)</td>
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<tr>
<td>19747.5</td>
<td>6VU79: Dakar Meteor 1420 RTTY 50/400 wx (RR2)</td>
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<td>19850</td>
<td>MFA Bucarest 1410 ROU-FEC 164/400 Msg Rum (RR2)</td>
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<td>19855</td>
<td>Unid: 1100 ARQ-E 192/170 Cripto (RR2)</td>
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<td>19858</td>
<td>NPN: Apra Harbour Guam 0347 FAX 120/576 weather map (EW)</td>
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<td>19860</td>
<td>GYA: RN London, G 1247 RTTY 75 availability. (HS)</td>
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<td>19862</td>
<td>MTO: RN Rosyth 1100 RTTY 75/800 Com Canal (RR2)</td>
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<td>19862</td>
<td>NPN: Apra Harbour Guam 0342 FAX 120/576 wx map (EW)</td>
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<td>19980</td>
<td>9BC33: Irna 1520 RTTY 50/400 Press Ing (RR2)</td>
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<td>20040</td>
<td>Unid: 1145 RTTY 75/500 Cripto 5 (RR2)</td>
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<td>20113.3</td>
<td>MFA Cairo? 1545 ARQ idle off at 1545 MFA cairo? (ANEE)</td>
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<td>20145</td>
<td>CPL210: A Cub. Delhi 0725 RTTY 75/500 Press Spa (RR2)</td>
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<tr>
<td>20160</td>
<td>Unid: 0955 ARQ-E 228/170 Unencoded (RR2)</td>
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<td>20204.6</td>
<td>Boufarik Radio 1430 FEC (ANEE)</td>
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<td>20266</td>
<td>Unid: 1500 PIC/VFT 20/20 Cripto (RR2)</td>
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<td>20286.5</td>
<td>SOV228: Pap Warsaw 1355 FEC Press Pol (RR2)</td>
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<td>20400.5</td>
<td>Unid: 1400 PIC-12 20/20 Undecoded (RR2)</td>
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<td>20500.6</td>
<td>CMPL210: A Cub. Delhi 0725 RTTY 75/500 Press Spa (RR2)</td>
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<td>20525.9</td>
<td>Unid: 1440 PIC/VFT 20/30 Cripto (RR2)</td>
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<tr>
<td>20547</td>
<td>NDJA: A Fra. Ciad 1545 ARQ-6/90 200/400 Cripto 5 (RR2)</td>
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<td>20547.9</td>
<td>A Alg. Nairobi 1300 COQ-8 13/30 Msg Fra (RR2)</td>
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<td>20547.9</td>
<td>CXX: Montevideo Navy 1430 RTTY 75 (ANEE)</td>
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<td>20547.9</td>
<td>DFRU50: Piab Bonn 1417 FEC-A 96/400 Press Ted (RR2)</td>
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<td>20560</td>
<td>Jana 1625 RTTY 50/400 Press Ing (RR2)</td>
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<td>20584</td>
<td>Salcost 1440 ARQ Msg (RR2)</td>
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<td>20599.5</td>
<td>NPN: Apra Harbour Guam 0342 FAX 120/576 wx map (EW)</td>
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<td>20600</td>
<td>MKK: RAF London 1445 RTTY 50/850 Test (RR2)</td>
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<td>20633.7</td>
<td>RFVE: FF Le Port 1100 ARQ-E3 100/400 Idle (RR2)</td>
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<td>20640</td>
<td>Dw Trincomalee 0810 RTTY 100/250 Ry (RR2)</td>
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<td>20690</td>
<td>Brotherhood 0950 RTTY 75/500 Cripto 5 (RR2)</td>
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<td>20716.7</td>
<td>RFT3D: FF Libreville 1515 ARQ-E3 192/400 Cripto 5 (RR2)</td>
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<td>20724.2</td>
<td>RPFN: FN Lisbona 1515 RTTY 75/800 Test (RR2)</td>
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WUN-v02

20730.6 4UZ: Uno Ginevra 1535 PACTOR 200/170 Msg Fra (RR2)
20734 Uno Varie 1055 PACTOR 200/170 Msg Ing (RR2)
20754.8 HBC88: Icrc Ginevra 0730 PACTOR 200/170 Msg Ing (RR2)
20792 PWX: BN Brasilia 1515 RTTY 75/800 Qra (RR2)
20798 Unid: A Pol. ? 0900 RTTY 75/250 Msg Pol (RR2)
20813.7 RFTJD: FF Libreville 1330 ARQhM2 192/400 Idle (RR2)
20815 Embacuba 1410 RTTY 75/500 Msg Spa (RR2)
20826 Embacuba 1410 RTTY 75/500 Msg Spa (RR2)
20856.7 RFQP: FF Jibuti 1430 ARQ-200 200/400 Cripto (RR2)
20933.5 SOV293: PAP Warsaw 1350 FEC 100/170 Press Pol (RR2)
20944 SAM: MFA Stoccolma 1330 SWEhARQ 100/400 Msg Sve (RR2)
20953 Unid: 0800 POLhARQ 100/250 Msg Pol. A Pol. Kinshasa 0830 POL-ARQ 100/250 Msg Pol (RR2)
20976.7 MFA Islamabad 0333 ARQ msgs in EE re diplo matters. (EW)
20979 Unid: 1420 RTTY 75/850 Cripto (RR2)
20972 Embacuba 1630 RTTY 75/400 Msg Spa (RR2)
20986.7 A Fra. Guyana 1430 ARQ-6/90 200/400 Cripto 5 (RR2)
21927.7 Unid: 1430 ARQ-M2 200 (ANEE)
22542.5 JJC: Kyodo News 0412 FAX 60/288 japanese text (EW)
23370 Unid: 1545 FAX unid new service? 1545 (ANEE)
26588.2 Unid: 1345 ARQhM2 200 FF tfc 1345h1430 (ANEE)
26677.5 SPW: Warsaw Radio 1415 FEC (ANEE)
26708 Unid: 1415 RTTY 50 unid meteor (ANEE)

=MARITIME=

2031.5 ELKI6:M/S Fantasy 0541 USB clg/wkg AT&T Coastal Station WOM (on 2490)
re R/T tfc, vsl is Carnival Cruise Lines 70,367 GWT, cruiseship. (RB)
2118 3EKU5: M/V River Plate 0459 USB wkg VCS, Halifax CG Radio (on 2514)
for R/T call to Greece. (RB)
2128 MQSW9: 1820 USB Unid clg Humber radio qsy chnl Q. PGTZ: 1712 USB MV
Pluto clg Genova Radio Qsy 2722 2023. VCO: CAN 0519 USB Sydney CCCR
ann MIB. ICMZ: 0525 USB MV Manzoni clg Palermo Radio. FFB: F 0527 USB
Boulogne Sur Mer radio fr ann. VON: CAN 0545 USB St. John CCCR
unid ship. VAU: CAN 0546 USB Yarmouth CCCR ann MIB. Unid E 0550 USB
Palma radio ann tfc 1st. VCS: CAN 0603 USB Halifax CCCR ann MIB. CUL:
POR 0606 USB Lisbon radio ann tfc 1st on 2693. OHF: FNL 0610 USB
Mariehamn radio, no tfc for foreign ships. VON: CAN 0621 USB St.
Johns CCCR ann gale wrng on 2598. VOO: CAN 0635 USB Comfort Cove CCCR
ann gale warning. Portland CG, G 0536 USB clg Aberdeen cg for radio
check. J8QA2: 0555 USB Unid mv clg Bordeaux radio Brest radio
replying qsx to a wkg channel. GLD: G 0623 USB Lands End radio clg
Stella Orion. (BvR) USCG Charleston, SC 0003 USB w/ann for MIB on
2670, then tfc on 2693. ZBM: Bermuda Harbor Radio 0449 USB wkg
unid vsl giving posn & sea state. ZBM adv USCG a/c 1503 is enrt to
scene. Unid: ?-Haven Rescue 0636 USB w/2-tone alert signal, ann ?-1,
(faded) 5215N/00403E, poss was EPIRB activation, does anyone know of
a coastal station that uses like ?-haven Rescue"? NMB: USCG Group
Charleston, SC, US 0644 USB clg N5M no joy. NOJ: USCG CommSta Kodiak,
AK, US 0657 USB clg USCGC Woodrush (WLB-407) no joy. N/A: Portishead
Radio? 0735 USB w/ann to listen 1764 for b/cast. (RB)
2217.4 Unid maritime 0412 USB two guys, in EE re propeller shaft (W/Canadian
"go" sound), suspect fishermen. (MS2)
2514 VCS: CCG Halifax CG Rdo, NS 0505 USB concluding R/T tfc w/3EKU5, M/V
River Plate (on 2118). (RB)
2520 PHYC: 1821 USB MV Thames clg PCG qsy chnl L. LAMY4: 1821 USB MV
Tidero Star radio ck w/PCG. PGGM: 1824 USB Fv Nicolaas Senior kw 36
qsy chnl A. PIPS: 1655 USB FV Vilhelmina clg PCG qsy chnl B. PFKW:
1709 USB Ferry Koningin Beatrix clg PCG. PCCN: 1714 USB MV Akila clg
PCG for track pos 30 mly1 past Liverpool. PFKB: 1717 USB MV
Klippergracht track to PCG. PDOY: 1743 USB Fv De Vertrouwen, go 38
qsy chnl B. 3EZQ7: 1748 USB MV Hsing Yu no 11 clg PCG pos south of
Kreta unable to contact at 8 MHZ. CNEQ: 1759 USB MV Abdalla Bnou
Yassine clg PCG req pp qsy chnl B. PIBB: 1852 USB MV Triton pos rpt
to PCG fm Blaye to New Ross. PGVW: 1704 USB MV Prins Maurit's clg PCG
qsy chnl A. DENV: 1906 USB Fv Dirk Dirk clg PCG qsy chnl B. DIYY:

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Arm 4 clg PCG. PISE: 1837 USB Unid clg PCG (BvR) [PGOX is Orck UK 136; PHOT is the tug Smit Lloyd Fortune; PDDF is Birgit; EMRQ is Baltiyskiy 59; PHFS is cargo vsl Runborg; UANJ is Toulas; FVPN is trawler Le Ressac; DMIB is Maria; M3PE7 is F/V Good Hope; PDYU is trawler Ernst Eduard, ZK57; PCRP is F/V Anna Margaretha II; PEKM is F/V Grietje; PISE is Wijbrije UK 155 -LOGS] 4071 Sea Princess II 0233 USB wkg wom on ch 403. (HW2)

4098 ELBM9: Tropicale 0129 USB wkg wom on ch 412. 3EWJ9: Imagination 0300 USB wkg wom. (HW2) ELGH5: M/V Crown Princess 0320 USB Princess Cruises 70,000 GWT cruise ship, concluding R/T tfc w/WOM. C6LW2: M/S Regal Empress 0421 USB Royal Caribbean Cruise Lines, 23,000 DWT cruise ship, concluding R/T tfc w/WOM. ELNC5: M/S Ecstasy 0423 USB 70,367 DWT cruise ship, clg/wkg WOM for R/T tfc. (RB)

4110 ELNC5: Ecstasy 0058 USB wkg wom on ch 416. ELKL6: Fantasy 0224 USB wkg wom on ch 416. (HW2)

4131 Unid 1751 USB Unid Dutch fisherman comms in Dutch heavy accent (BvR) Various 1410 USB Maritime-check ins Pacific coast. (GG) WAP8692: Ballintine Moran 2225 USB wkg WBV, asking if he had been called via cellular telephone. (KW2)

4131 ELLY4: Ocean Breeze 0255 USB wkg wom on ch 423. (HW2) ELBM9: M/S Tropicale 0527 USB Carnival Cruises 36,674 DWT cruise ship, wkg WOM for R/T tfc. C6LG5: M/S Dreamward 2327 USB Norwegian Cruise Lines 41,000 GWT cruise ship, wkg WOM for R/T tfc. (RB)

4149 Various 1410 USB Maritime-St John's been mentioned. (GG) 4190 SVUZ: M/V Golden Empire 0540 CW wkg unid station w/msg tfc. (RB)

4274 EHY: Madrid Radio, E 0605 USB w/tfc list, ann in EE/SS next list to be 1003 UTC. (RB)

6215 Unid vsl 0710 USB clg Nuku'alofa radio TON. Unid vsl 0705 USB clg Nuku'alofa radio Tonga. (AW)

6224 ZLM: Taupo radio 0705 USB w/wx. (AW) ZSAL: Unid 0653 USB wkg Portishead Radio (on 8764) for R/T tfc. 3EMF9: Republica de Columbia 0655 USB clg Panama Radio, no joy, since HPP not assigned this frequency. N/A: Ancora Doro? 2134 USB clg Portishead Radio for R/T tfc. (RB)

8240 HO9893: "Island King" 2118 USB clg NMN. (DHM) ZSAL: Unid 0653 USB wkg Portishead Radio (on 8764) for R/T tfc. 3EMF9: Republica de Columbia 0655 USB clg Panama Radio, no joy, since HPP not assigned this frequency. N/A: Ancora Doro? 2134 USB clg Portishead Radio for R/T tfc. (RB)

8284.4 Unid maritime 1128 USB plus a few at other .X channels, Spanish & EE language stns, no IDs & some cursing. (MS2)

8285 NGEL: Navy Ship "Pacific Escort" 1850 USB wkg WOM on 8809, R/T tfc to unk navy ops center, posn 34N, 67W(?) heavy wx 20 degree rolls, 60 knot winds - at anchor. At 1927, clg WOM, posn 34N76W. (KMW)

8297 K2U: Gulf Fleet Marine, 0714 USB "Harvey", La, US clg tug El Falcon Grande, WSF2730, no joy. (RB)

8391.5 UJQM: Yasenskiy 0645 CW clg UUI. (RB)

8502 Unid: 0028 CW tfc list from PLANANTINC (what is that?) (LB) 8502 Unid: 0028 CW tfc list from PLANANTINC (what is that?) (LB)

8573 CLA: Havana Radio, Cuba 2112 CW ID mkr (DHM).
8617.3 KPH: San Francisco R, CA, US 0035 CW marker tape (LB)
8680 WSC: US Tuckerton R 1235 CW cq (EW)
8681.3 EAD44/EAD3: Madrid R, E 0041 CW w/marker tape (LB)
8687.6 UGC: St. Petersburg, Rus 1227 CW cq (EW)
8700.4 XST: Qingdao, CH 2122 CW ID mkr (DHM).
8740 Unid: 2035 USB YL w/ann, followed by a "door bell like ding-dong"
chime, voice marker for coastal station, I once had the ID for this
one, Athens Radio? (RB)
8749 WOO: (NJ) 1607 USB synthesized voice, req comments on quality of
services. (KW2)
9085 Unid 0815 USB w/spanish, Canaries Islands, load of octopus (ANEE)
12245 Song of America 1913 USB wkg wom on ch 1206. (HW2) [LENA3 -LOGS]
1235 Ship California (?) 1942 USB clg Rome Radio, no joy. (KW2) F/V
Gladiator 1850 USB wkg WFA713 re: posn rpt, I haven't had any luck
finding this c/s in the ITU database. Ideas? [cud be "tug" Gladiator
WBN5982 wkg WPE? -LOGS] WBC_715: M/V Sea Haven 2050 USB wkg "Mobil"
re: docking & car rental. (CM)
12563 UWEI: RTMA Rubinovyy 0725 CW w/tfc to Vladivostok. (RB)
12663 CBV: Valparaíso R, CHL 2126 CW ID mkr (DHM).
12698 ZSC: Cape Town R, RSA 2127 CW ID mkr (DHM).
12738 PPR: Rio de Janeiro R, B 2129-2133 w/ time pips, long pause, then CW
ID. Listed w/ time signals at this time in CFL. (DHM)
12801 TAH: Istanbul R. Tur 1401 CW "de tah". (HS)
12820 Unid: ? 1357 CW "wladiswostok" mentioned 2 times. (HS)
[untransliterated Russian for Vladivostok, maybe UFL? -LOGS]
12887.5 EAD44: Madrid R, E 1215 CW "de ead qsx". (HS)
12912.6 FPL6: Saint Lys R, F 1212 CW "cq cq". (HS)
12936.5 HLF: Seoul R, Korea 0135 CW (EW)
12947 UFB: Odessa R, UKR 1755 RTTY 50/170 Msg Rus (RR2)
13015.5 IAR: Rome R, I 1340 CW "vvv de iar". (HS)
13029 SVBS5: Athens R, GRE 1347 CW "cq qsx". (HS)
13176 Santa Maria Radio (?) 1808 USB traffic lists. (KW2) [none by that
name, probably 'Madrid' Radio, Spain, a real power house here -LOGS]
14300 Maritime Mobile Net 2000 USB (amateur) talking re tug in trouble at
about 28 N 80W. They say the CG is mounting a SAR. Asking area boats
assist. (RR)
16513 DZD: Metro Manila PHL 0920 USB giving pp to unid vs1. (AW)
16522 Unid vs1 0810 USB clg Manila radio. (AW)
16528 "Europe" (DLAL) USB 1605 wkg two container ships - "Tokio Express"
& "Humboldt Express" - from the same shipping line, Hapag-Lloyd of
Bremen. Posn reports & company nx exchanged, but stormy conditions
here made the band very noisy & severely distorted the audio from
time to time. California & the west coast of Mexico were mentioned.
El LIBERTADE's radio officer announced on the air
yesterday that his callsign is no longer DGNZ, but rather ELSX4. If
the usual procedure is followed, the captain will assume the work
previously performed by the REO. "Duesseldorf Express" (DAAQ) 1630
USB Four ships of Germany's Hapag-Lloyd line had a gab-fest this
morning. Duesseldorf Express put out a general company call (DAAQ)
& swapped nx w/Europa, Tokio Express & Humboldt Express. "Huernberg
Express" was called several times but failed to respond. No posn
reports were given, but Duesseldorf complained repeatedly about being
fog-bound. There was much talk of reflagging, but as no callsigns
were used today, it was impossible to tell of these ships had given
up their normal "D"-style German calls. They did say New York Express
was due to sail from Hamburg in early March. Three Hamburg-Sued
container ships 0004 USB exchanged noon posn reports & greetings from
their masters: Columbus Queensland, DICQ, 20S/126W. Columbus New
Zealand, DGNZ, 23N/93W. Columbus California (ex-Monte Cervantes),
DHCM, 14N/127W, bound for Auckland. (RA)
16567 Bulacan radio PHL 0925 USB wkg unid vs1. (AW)
16572 Unid Indonesian craft 0928 USB clg Bali. Unid Indonesian stn 0928 USB
probably Denpasar in Bali wkg pp (AW)
16677 DZJ: Microwave Communication, Bulacan, PHL 1950 CW w/nx of PHL in EE
(RM) [also reported as Filipino crewed ships relaying nx -LOGS]
16932 7TF10: Boufarik R, ALG 1314 CW "cq cq". (HS)
17115  UGC: Saint Petersburg R, RUS 1310 CW "cq qsx". (HS)
17135  UTQ: Keiv R, UKR 1306 CW "cq cq". (HS)
17188  SVD6: Athens R, GRC 1157 CW "de svd 6". (HS)
17198  HZG: Dammam Radio SAUDI ARABIA 0425 CW QG de HZG (EW)
17206  IAR: Rome R, I 1148 CW "vvv de iar". (HS)
17220  JOU: Nagasaki Radio, J 0423 CW CQ de JOR (EW)
17238  XSV: Tianjin Radio, CHINA 0419 CW QG de XSV (EW)
17239. PKK: Jakarta Radio 0417 CW QG de PKK (EW)
17290  PPJ: Juncao Radio BR 0940 USB wkg unid vsl pp. (AW)
19770  PPJ: Juncao radio BR 0650 USB wkg unid vsl pp. (AW)
22389  9VG: Singapore R, SNG 0653 CW (EW)
22399  ASM: Hamala R, BHR 0659 CW (EW)
22452  XSQ: Guangzhou China 0704 CW (EW)
22459  XSX: Chi-Lung Radio, Taiwan 0416 CW QG de XSX (EW)
22474  VIP: Perth R, Australia 0707 CW (EW)
22479  9VG: Singapore R, SNG 0709 CW (EW)
22482  HLG: Seoul R, Korea 0706 CW (EW)
22542.5 JJC: Kyodo News, Japan 0412 FAX 60/288 japanese text (EW)
22575.5 PKX: Jakarta Radio, Indonesia 0707 CW (EW)
22592.5 A9M: Hamala R, BHR 0710 CW (EW)
22611.5 HLF: Seoul R, Korea 0714 CW (EW)
22660  JOR: Nagasaki Radio, Japan 0115 CW (EW)

=MILITARY=

2670  USCG Mobile, AL 1227 USB w/end of long MIB (DHM). NMG: USCG CommSta New Orleans, La, US 0036 USB wkg WBVV, Exxon Charleston, req if they can take the vsl they are assisting in tow until a USCG cutter can meet up with them & relieve them of the tow. NMF44: USCG Southwest Harbor Group, Me, US 0420 USB wkg F/V Enterprise re MEDICO, crewman has injured hand. NMB: USCG Group Charleston, SC, US 0421 USB w/ann of overdue 24 foot S/V w/1 POB, then into MIB. NNAS: USCGC Escanaba 0528 USB WMEC-907), wkg F/V Enterprise re their MEDICO, posn 4300N/06804W, gives ETA. NKEC: USCGC Monomoy 2312 USB (WPB-1326) wkg USCG Group Moriches (NY), NMY42. (RB) USCG Charleston Group 0341 USB w/"securete" broadcast "BRN20 will be unavailable for use". (RR)

2716  USN Norfolk Port Control 1232 USB tfc w/unid party (DHM). [wow, a long time since I've seen any USN port's logged here -RD]
3113  TEAMWORK 1325 USB clg NIGHTWATCH 01. Active again at 1347z, then moving to W101. (JH)
3123  NMG: USCG CommSta New Orleans, La, US 0337 USB wkg RESCUE 2122 reporting on-scene at vsl re Medico, NMG relays from ATC Mobile that injured person can not move limbs below waist. At 0350, 2122 reports the HH-60 is on-scene. (RB)
3347  MARS 0251 LSB MARS Pacific Area Net. Army MARS 0325 LSB during flood Day freq (GG)
3369  NIGHTWATCH 0523 USB wkg IMMORTAL. (GG) NIGHTWATCH net 24+ hours USB making active use of the lower Sierra freqs, including active use of S303. When they've occasionally moved to S303, they have not been heard on 3295 (a freq associated in the hobby press with S303 since the very late 80's.) to move to S303. At 0658z, a quick check of 3295 came up negative, so a quick move up the band found DEERHORN wkg NIGHTWATCH 01 on 3369, & id'ing 3369 as S303. (JH)
3390  NNN0GGT: USN MARS 0103 USB Training net. RATT training tests. (MF)
3939  Netishead & 6CE USB Track coordination Net. (SM)
4017  Oregon MARS Emergency Net LSB at night plus others (GG)
4039  NIGHTWATCH 0523 USB wkg IMMORTAL. (GG) NIGHTWATCH net 24+ hours USB making active use of the lower Sierra freqs, including active use of S303. When they've occasionally moved to S303, they have not been heard on 3295 (a freq associated in the hobby press with S303 since the very late 80's.) to move to S303. At 0658z, a quick check of 3295 came up negative, so a quick move up the band found DEERHORN wkg NIGHTWATCH 01 on 3369, & id'ing 3369 as S303. (JH)
3390  NNN0GGT: USN MARS 0103 USB Training net. RATT training tests. (MF)
3939  Netishead & 6CE USB Track coordination Net. (SM)
4017  Oregon MARS Emergency Net LSB during flood Day freq (GG)
4134  USCGC woodrush 1259 tfc wkg CommSta Honolulu. (DHM)
4154.5 DRAY:FGS Karlsruhe (F-212) 0429 USB German Navy type-12 frigate, wkg DHJ59, Wilhelmshaven Naval w/RTTY coordination tfc. IAOC: Danaide (F-553) 0535 USB Italian Navy Minerva-class Corvette, wkg unid, poss ICT, Italian Navy Tarento, w/RTTY coordination tfc. IBH-?:Unid 0631 USB unk Italian Navy vsl wkg unid sta, poss ICT, w/RTTY coordination tfc. DRKM: FGS Rhon (A-1443) 0633 USB German Navy replenishment-tanker wkg DHJ59 w/ZBO 1 priority msg to send. DRAS: FGS Rheinland-Pfalz 0637 USB (F-209) German Navy frigate wkg DHJ59 w/RTTY coordination tfc. (RB)
4275  TBA5: Turkish Navy, Ankara, TUR 1822 CW w/tba 5/7 tba 5/7. (BvR)
4372  Giant Killer, (FACSFAC - Virginia Beach, Virginia) 1330 USB wkg
various USN tactical call signs. (SF)
4404  COASTAL CTL 1025 USB GO (Royal Navy). (AD)
4419  Royal Navy: UKMCCS Coastal Ctl 2310 USB two-tone availability
signal. (RB)
4421  JOLLY 11: USAF helo on SAR duty 1958 USB wkg "Command Post" after QSY
from 6714, adv is at 1000 feet, first time heard here on this freq. (RB)
4466  Keystone 43, 87, & 504 (Oil City), PA 2206 USB Wkg Civil Air Patrol,
cordaining radio coverage for next day. (KW2)
4472  NEATISHEAD ADRU 1030 USB ZZM re posn of same & 7KO. (AD)
4517  Unid Military 1037 USB Passing target tracks. (AD)
4519  GOLF TANGO 1043 USB Unid, w/data tx. (AD)
4718  NEATISHEAD 1034 USB w/H7O, passing target tracks, Neatishead SCOPEY
wants to maintain 'listening watch'. Neatishead says open till 2359.
Exercise next week involving both parties. (AD)
4721  SAM 201 2226 USB wkg Andrews, come-up on Echo-Fox. (GT)
4724  0641 USB very long EAM, 132 characters (EG) Thule GHS 2304 USB 2 x
EAMS - ERSLSK2 + 4VLFNVL43J2JUFEW7K & ERTQMC + I4Y3FOX443NCIWN3G5A
(2327z) same 2 EAM's as above, but much weaker, & I was unable to
make-out the name of the transmitting stn. (GT) ROADSIDE 0716 USB clg
MAINSAIL after moving here from 6739, no response. ROADSIDE (or at
least the callsign) found active in NIGHTWATCH nets past 1900z. (JH)
4739  ONE YANKEE DELTA 1902 USB clg SIERRA YANKEE VICTOR, no joy, no luck
w/BLUESTAR either. (MF2)
4742  SCORCHER 21 1137 USB wkg ARCHITECT, req latest wx for 'BELFAST
ALDERGROVE', (not sure I hrd c/s correctly). ASCOT 5476 0936 USB wkg
ARCHITECT, dep't Lyneham 0900, ETA Bari @1255, SELCALL AJ-EL. 939
0940 USB wkg ARCHITECT, req wx for 'LICZ + LICJ'. ASCOT 4931 1104 USB
wkg ARCHITECT, dep't Lyneham 0925, ETA 'CYRIO'@ 1845, standard relay
'N', SELCALL AJ-CF. ASCOT 4934 0954 wkg ARCHITECT, radio ck, Selcall
ck 'AJ-DH'. 1CB 0958 USB wkg ARCHITECT, radio ck. ASCOT 5506 1210 USB
wkg ARCHITECT, pre-Flight radio ck, Selcall AJ-BF. Dep't Lyneham 1225
teta EDDV 1410. ASCOT 4502 1211 USB wkg ARCHITECT, dep't Lyneham 1145
teta EDDV 1530, Selcall AJ-CL. 6LD 1239 USB wkg ARCHITECT, req latest
wx for Stornaway. IFN94 1306 USB wkg ARCHITECT, dep't EGJJ (Jersey)
1255 eta EGVO 1355. (AD) NIGHTWATCH 0533 USB wkg IMMORTAL, id'd freq
as x209, authenticates & enters the net. (GG) Architect 0620 USB
(female opr) wkg CANFORCE 415. NIGHTWATCH 01 net 1445 USB active
w/NIGHTWATCH 01 (off until 1545z), DEERHORN, & BEATBACK. There was an
attempted radio check on 3113 (id'd as S301) w/BEATBACK at 1434z.
NIGHTWATCH 01 1340 USB wkg VAR46 for a brief signal check. Typical
minutestamp for these things. ASSOCIATE 1131 USB w/EF... EAM string,
them called by NIGHTWATCH 01 who confirms the EAM and asks if
ASSOCIATE also has H30FPC...traffic. Later, ANDREWS up on freq wkg a
SAM flight, & eventually NIGHTWATCH 01 moves his small net to W101 to
get away from ANDREWS. (JH) Ascot 5946 1245 USB Lyneham to Tromso.
Ascot 4983 1425 USB OslohLyneham/ Selcal AJ-BD. Ascot 5401 1120 USB
Dijon-Lyneham. Selcal AK-DJ. Nato 10 0930 USB Selcal EM-FL /Vertical
Italy. (JP2) HAVEN: RAF Ascension Island 0549 USB wkg ASCOT 3200
w/wwx. (RB)
4833  Royal Navy? 1354 USB GX? wkg GT. GE? told GT that he was using wrong
tone. Then 'Commence 1 lima', 'commence 1 kilo', 'commence 3 bravo'.
(AD)
4950.3 WHISKEY USB w/1-0, 0-5 and OPS. IFOR-NL-troops Bosnia. (JH)
4982  SAM 201: USAF C-20B tail 86-0201 2045 USB on the ground at Richmond,
wkg Andrews on "197" w/radio ck's, att to get disposition of flight. (RB)
4989  Polish Army 0855 LSB cypher traffic w/unid, tfc w/various outposts at
0905. (JH)
5000  "WODEK" 1445 USB in Egypt w/"ANOSKJA" (both phonetical). (JH)
5136  B44 USB No joy. These are the IFOR-NL troops in Bosnia. (JH)
5211  NIGHTWATCH 1700 USB on FEMA's F-11 clg WGY912 & others. (JH)
5320  USCGC Northland 2206 tcf w/Galveston. USCG Fort Macon 1240 USB Tfc
w/India One Quebec. (DMM) MMN72: USCG Station Oak Island 0601 USB
wkg USCGC Jefferson Island (WPB-8221), NORW, re new HF data link (High Frequency Data Link) frequency. NIQZ: USCGC Point Baker 0704 USB (WPB-82342) clg Group Galveston, no joy. NGM: USCG CommSta New Orleans, La, US 0706 USB wkg distressed vsl Amy Star adv either USCGC Cushing or USCGC Point Winslow out of Grand Isle, La, will be enrt to assist them. depending on which can recall it's crew first. NOV8: USCG Group Corpus Christi, TX, US 2256 USB wkg RD to assume their radio guard. (RB) USCG 0430 USB I believe Corpus Christi, one station strong other weak, w/switch to 8719 if no joy return to 5320. Lot of USCG traffic 0222 USB RESCUE 2123 is in comms w/Corpus Christi. (RB) [USCG Group common -LOGS]

FDY: French Air Force, ORLEANS, F 1435 CW Marker "vvv de FDY ar". (DW)

CISN VAYVAGH (RIT)? 1439 CW Very slow (17wpm) machine cw w/accented letters. NAVIP (nav warning) karty (chart?) Atlantiekij Okean (Atlantic Ocean). (DW)

X4U: Unid British Military 0615 USB wkg unid units w/what sounded like tracking comms. (RB) H15/X4U 0431 USB wkg many tri-graph station all w/British accents w/radar tracking operations...very busy net. SCI reports that he wants 'Flight Information Broadcast Control' posn reports given as 270 at 50, 280 at 45, etc. Some stations also reported altitudes & when links would be airborne. (TB)

USCG Detroit 1406 USB tfc w/Coast Guard 6565 (DHM)

CG RESCUE 6037 USB 1020 wkg CG RESCUE 1720 on ?E3. CG RESCUE 1720 USB 1025 wkg CAMSLANT. CG RESCUE 1720 USB 1026 clg CAMSLANT. CAMSLANT USB 2227 wkg CG 1720. CG CAMSLANT Chesapeake 2228 wkg CG RESCUE 1720. CG RESCUE 6033 2245 USB 33 requesting fuel. COMMSTA New Orleans 2250 USB wkg CG Resue 6033. CG RESCUE 1720 clg San Juan. CG RESCUE 1720 2317 USB req wx. (BG) NMN: USA 0530 USB Camslant Chesapeake w/Rescue 1503 searched area no sign on 121.5 243 or eprib (BvR) RESCUE 1702 1000 USB asked by CAMSLANT if any search boats assisting in area. USCG SAN JUAN wkg to get battery, (H-60). RESCUE 6037 on same SAR. RESCUE 1721 2028 USB called by COAST GUARD SAN JUAN. Said battery available 1502. RESCUE 1721 clg Red Cross. RESCUE 1727 C1032 USB told come up to VHF CH. 16 for Air Station BR...? BY SAN JUAN. (BWS) [AirSta Borinquen, NMR26, Aguadilla, PR -LOGS] CG San Juan 2023 USB wkg Cutter Spencer having difficult time locating body bags for their use. (CL) NIGHTWATCH 0400 USB wkg CAMSLANT, they would be monitoring. (CM) USCG New Orleans 2343 USB w/radio check for Air Force 8304. Never heard the USAF here before. (DHM) [usually REACH flts -LOGS] San Juan to Rescue 6037, mentioned Port of Plata, H60, Rescue 6033 & other stuff @0828 (EG) X91 1605 USB wkg COMMSTA NEW ORLEANS re att, unsuccessful, comms on 3E7; and comms on 3E4 (digital voice heard on 5106) (JH) CG Helo 6011 1849 USB clg CAMSLANT, negative contact. CG Helo 6001 1850 USB wkg CommSta Boston, req guard, enrt Otis AS (MA) to R.I. Oil Spill area, 4 POB's. CG Helo 6001 1945 USB wkg CommSta Boston, on deck for about 10 minutes, 3 POB's. CG 6017 2012 USB wkg CommSta Boston, req guard enrt Hanscom AFB (MA) to Pt Judith R.I. 6 POB's. (KW2) Coast Guard San Juan USB wkg 6037, re Boeing 737 w/approx 189 folks crashing in Caribbean. Lot of call-signs. (PP) RESCUE 1503: USCG HC-130 0509 USB wkg NMN: CAMSLANT Chesapeake, re is on-scene & has strong 121.5 EPIRB signal, however ADS137 Search Radar shows nothing yet. NMR1: GANTSEC, USCG Greater Antilles Section, San Juan, PR, "CG San Juan" 0725 USB wkg Rescue 1713 (HC-130) re distressed vsl to att comms on VHF 16 w/Dominican Navy, passes several station names on. 1713 ltr adv the
WUN-v02

vsl had tried those in SS/EE no joy. JOLLY 11: USAF helo on SAR duty 1947 USB wkg "Command Post", adv at 150 feet approaching shore of Ct, QSY 6714. Note this was not a pp via USCG CommSta. (RB) CamsPac 0401 USB (is this Point Reyes?) radio ck w/1701. (RR) [yes, NMC, CAMSPAC Point Reyes, Ca -LOGS]

5700 TWILIGHT 1608 USB clg & raising NIGHTWATCH 01, then entering the net. At 1611z, TWILIGHT wkg NIGHTFALL. Then NW01 adv he is on the ground & will be off HF for 1.5 hours for maintenance. At 1705z, TWILIGHT & NIGHTFALL into data xmsns, then moving to unk CHARLIE ECHO at 1718z. At 1840z, NIGHTWATCH 01 clg TWILIGHT & NIGHTFALL. At 1841z NIGHTWATCH 01 clg & wkg ROLLPACK (heard earlier at 0400z+), & adv ROLLPACK that BD6BJM is current traffic. OVERSLEEP 0344 USB clg NIGHTWATCH. WAR46 0102 USB clg & wkg NIGHTWATCH 01 for a radio check. Then WAR46 seemed to be back up on 5700 clg NIGHTWATCH 01 on a 2 hour cycle. Otherwise, freq quiet. REMEDIAL 0645 USB clg NIGHTWATCH 01. No response, but at 0647z, NIGHTWATCH 01 up on freq clg WAR46. DAREDEVIL 0523 USB clg NIGHTWATCH 01. MACARONI 1510 USB clg NIGHTWATCH 01, w/nothing heard, & gone to 6730. PINETREE 2040 USB clg NIGHTWATCH 01, no response. NIGHTWATCH 01 1745 USB (on the ground & monitor only since around 1630 until 1830z or so); TWILIGHT (in the net at 1608z); & NIGHTFALL. Both USN assets have been active w/data exchange training. At 1718z, both stations moved to CHARLIE ECHO (unk) for further data work. (JH)

5712 Unid U.S. Military USB some form of U.S. net in relation w/air monitoring over Bosnia. Ground stations CRICKET, JEDI, DISNEY, COWBOY & LONGBOW c/s. I heard Cricket talking abt wkg w/a/c around Mostar. Jedi 1/2 were also heard over the UK on UHF last week by me. (CH)

5800 NIGHTWATCH 01 1349 USB wkg TEAMWORK, & moving net to W104. (JH)

6227 ADMU: USAV Hobkirk (LCU-2023) 0522 USB clg AADT no joy on Ch.3. (RB)

6501 NMN Coast Guard Comm Master Station Atlantic 1609 USB w/maritime Wx forecasts & warnings. //8764. (KW2)

6509 Royal Navy? 1326 USB presumed to be Royal Navy, GX? wkg GT. (AD)

6683 Air Force 2 2303 USB wkg Andrews w/pp ANDREWS METRO, then trying to set up a pp with CROWN but AF2 reporting ANDREWS as very weak. (AM) Andrews 2056 USB wkg SAM 26000 on 731u. Andrews 2111 USB wkg SAM 206 on 731u. AF2 2316 USB wkg Andrews on 731u. AF2 departed (where?) at 2300, eta KADW at 0100z. (GT) SAM 376 1625 USB going to 877 Upper (?)-not 4721. Trout 99 1730 USB A/R Bass 10, going 868u (9218). (JP2) SAM 204: USAF C-208 tail 86h020 1727 USB 4, Special Air Mission a/c, wkg Andrews for rdo ck's. (RB)

6691 CABLECAR: 1721 USB wkg COLD DUCK w/data coordination, a/c to a/c chat, on 'Charlie Alpha'. (RB)

6694 CFH: Halifax Military, NS, 1956 USB CAN, wkg NQ67 w/pp to SIDECAR, adv is XAE, req he QSY to Golf 7. XX6P: Unid a/c 2002 USB wkg Halifax MB xmsn/zymp. (RB)

6705 Andrews 0300 USB clg Rudy 56, on all freqs, no joy. (CM)


RIDLELESS 2007 USB clg Nightwatch(not heard), Nightwatch asked them to move to S-309, heard mention of cockpit in the background & the sound of this station makes me believe RIDERLESS is an A/C (EG) DOORBELL 0032 USB wkg NIGHTWATCH on "X903" w/voice, at 0035 w/data. (GG) Andrews 0633 USB wkg SPAR 67 w/comm's. Andrews 0652 USB MYSTIC STAR activity & a very strong station id'ing as SIERRA w/test counts; apparent ANDVT bcsts; & periodic calls to BEAR 03. [BEAR ACE 03 was an E-2C wkg recent B757 crash SAR comms on 5696 w/USCG, same? -LOGS]

IRONCLAW 1500 USB clg NIGHTWATCH 01. MACARONI 1511 USB clg NIGHTWATCH 01 a number of times; nothing heard so he enters the net in-the-blind. Immediately called by TOPNOTCH at 1513. Both stations into brief ANDVT checks. At 1515, TOPNOTCH calls NIGHTWATCH 01 for MACARONI, w/no response, but advises that NIGHTWATCH is on freq as he had been active just 5 minutes earlier. SAM 203 0328 USB clg ANDREWS. At destination at 0345z. Both ANDY opr & female SAM 203 opr had blizzard problems (namely, how to get home). ROADSIDE 1948 USB clg NIGHTWATCH 01. FISHHAWK 0555 USB clg NIGHTWATCH 01. At 0600z, WAR46 up on freq calling & wkg NIGHTWATCH 01. At 0604z, FISHHAWK w/20-character EAM; at 0607z, FISHHAWK w/26-character EAM, coincident w/ GHFS. ANDREWS 0809 USB w/brief short-count test transmissions over a number of minutes. BLINDFOLD 1444 USB wkg NIGHTWATCH 01. NW01 said he was up on freq because of a call from ANDREWS (who was still lurking the freq from at least 0809z.) At 1459z, BLINDFOLD exits the net w/NIGHTWATCH 01 (now a female opr.) At 1504z, ANDREWS up on freq clg SAM 203. (JH) Casey 01 1641 USB going to 731 Upper (6683). (JP2) Andrews 2021 USB w/pp for SAM 201 to Crown (SAM 201 Primary F267h6730 Secondary F354?). ANDREWS 2015 USB w/pp for SAM 200 to Gander Twr for runway conditions. (MF2) Air Force 1 2219 w/pp Andy with pp's to CROWN & SAM ops (MJ) Air Force 1 1949 USB w/Andrews re landing time. (PM2)

Freebird 36 VIP flt from 86th wing, Ramstein AB 1925 USB wkg Andrews, pp to US Embassy in Zagreb, Ambassador Holbrook (on a/c) for Amb Galbraith. Freebird 36 1944 USB wkg Andrews on 432u, at 2000z while trying to make a pp, Andrews broke in w/priority traffic from State Ops for Amb Holbrook. QSY 420u. (GT) 

IFB98: CanForce a/c 0429 USB on Bosnia mission, wkg Trenton Military re wx Shannon. CHR: Trenton Military, Ont 0553 USB wkg IFR87 (a/c on Bosnia mission) w/wx actuals for Ottawa & Trenton, adv 4703 is secondary. CanForce 851: 2349 USB wkg Trenton Military re wx Shannon. (RB) Trenton Military 2230 USB w/kg CanForce 88, seems to copy ok here, pp to 8 wing ops gave status report 2350 eta Trenton. (RR)
MAGIC 52 1108 USB wkg INY clg 'MAGIC COMMAND', asked 'INY' to relay. (AD)

Unid USB 1931 very strong carrier, then into data transmission. Station unk. (JH) SAM 518 1718 USB to Aviano /DV2 +10. (JP2) SAM 201: USAF C-208 tail 86-0201 1650 USB wkg Andrews w/rd'o ck's. TROUT 99: 1737 USB wkg Andrews w/pp AFOL re landing at this time. SAM 3000(?) 1815 USB wkg Andrews w/rd'o ck's. (RB)

WILD EAGLE 0319 USB clg Delta One Delta for radio ck, no joy. (RR)

DRKM: FGS Rhon (A-1443) 0645 USB German Navy replenishment-tanker wkg DH559 w/RTTY coordination. (RB)

Andrews 2140 USB w/ pp for SAM 200 to State Ops. (MF2)

Andrews 2025 USB w/ pp for SAM 201 to unid. (MF2)

Andrews 2221 USB wkg SAM 202, qsy to 311u. Andrews 2231 USB wkg SAM 202, on 114u. (GT) SAM 201 2133 USB wkg Andrews on F114 w/ rdo ck's. (RB)

Unid military 1838 USB pp re situation in Bosnia.

SAM 201 2005 USB to Dulles. Snow in Andrews. 6 pax. (JP2) SAM 201: USAF C-208 tail 86-0201 2026 USB wkg Andrews re inbound to Richmond diverting from Andrews due to snowstorm. SAM 787: 2047 USB app E-4B 74-0787 w/Andrews meteo for wx at OOMS at 2230z. (RB)

TEAMWORK 1350 USB wkg NIGHTWATCH 01. TEAMWORK passed 26-character EAM, & NIGHTWATCH 01 had the same problem I had in clearly hearing the 'fives' in the string. At 1416z, freq lit up with active waterdripper. (JH) WAR46: Alternate National Military Communications Center, Raven Rock Mountain, Pa 2051 USB wkg NIGHTWATCH 01 on W104 w/comm's cks. (RB)

SESEF Norfolk 1913 USB doing some red/green radio testing w/USN Klakring (FFG-42), KY75 crypto testing. SESEF Norfolk 1937 USB testing transmitter with Echo 5 Hotel. SESEF 1931 USB conducting HF radio tests w/USN Trenton & USN Saratoga (AM, USN, LSB also ISB). (MF2) N/A: USN Cole 1614 USB apparently precommissioned USN Cole wkg SESEF w/ANDVT tests although "USN" was used with name. NAWR: USN Nicholas (FFG-47) 1746 USB wkg SESEF w/text comms. NSVN: USN Tortuga (LSDG-46) 1823 USB wkg SESEF Norfolk for HF radio tests. NICK: USN Conolly (DD-979) 1808 USB wkg SESEF w/ANDVT test. NTS: USS Tortuga (LSDG-46) 1823 USB wkg SESEF Norfolk for HF radio tests. NICK: USN Tournament (DD-982) 1855 USB clg/wkg SESEF for tests, adv at Pier 5 (Norfolk). (RB)

HOPPER 12: U.S. Navy LCAC-12 1615 USB wkg AC4, w/ rdo ck's in the clear & in the green, followed by roll call including HOPPER 19 (LCAC-39), HOPPER 37 (LCAC-39) & HOPPER 38 (LCAC-54); ea w/same. AC4: Assault Craft Unit 4 1715 USB Little Creek, Va, wkg HOPPER 07 (aka Landing Craft Air Cushioned hovercraft LCAC-07) for rdo ck. HOPPER 26: U.S. Navy LCAC-26 1826 USB clg AC4, Assault Craft Unit 4, Little Creek, Va, on radio 2 for rdo ck. (RB)

HOTEL 1959 USB clg GULF WHISKEY, HOTEL will be airborne in 10. GULF WHISKEY 2001 USB wkg GUNSTAR & WILDCAT. TANGO 2007 USB reporting 3 intercepts to GULF WHISKEY. (MF2)

Team 1: Unid 1700 USB wkg Team 2 w/voice/data. Black Cloud 2120 USB clg Zebra Ops repeatedly. (JM)

Freebird 36 VIP flt from 86th wing, Ramstein AB 2006 USB wkg Andrews on 420u. noisy, QSY 917u (not found). (GT)

Freebird 36 VIP flt from 86th Wing, Ramstein AB 1943 USB wkg Andrews on 465u. noisy, back to 432u. (GT)

Unid: 2324 USB American op w/ 'Thanks, nothing further at this time... any clues? Have heard FAA, US Army, and an unid SHADOW 11 here in the past. (TB)

Canberra Control 0705 USB wkg HMAS Protector. (RA)

"Warship Northumberland" 2323 USB w/ tcf w/unid stn (DHM). [GCOH: HMS Northumberland (F-238), a Duke-class type 12 frigate, clg Portishead]

ADMP: USAV Five Forks 0640 USB (LCU-2018) wkg RAIDER, 1097th TRANS CO, Rodman Naval Sta Panama, w/posn. AAFB: USAV MG Nathaniel Greene (LT-801) 2320 USB wkg AAC2 re ADTK, USAV Col Seth Warner (LT-806), arrival at Cuba, will need fuel. (RB)

ADTK: USAV Seth Warner 2300 USB w/posn 34N/76W. AADT: USAV Aldie 2300 USB w/posn 21N/75W. AAED: USAV William Bunker 2300 USB w/posn, 32N/78W. (RA) ADMU: USAV Hobkirk 0438 USB (LCU-2023), clg ADMU no joy. ADMM: USAV Contreras 0501 USB (LCU-2015) wkg ADMU, USAV Hobkirk. AAFB: USAV MG Nathaniel Greene (LT-801) 0505 USB wkg AAC2 w/0100 (local) posn report on Ch.5. ADMO: USAV El Caney 0512 USB (LCU-2012), wkg AAC2, then clg AADT no joy. ADTK: USAV Col Seth Warner (LT-806) 0521 USB, wkg ADMO who is relaying his tfc to AAC2. (RB)

NMN: CAMSLANT 1732 USB maritime wx forecasts & warnings.//13089.(KW2)

GOLD 61 1240 USB wkg Lajes w/pp to 'ROTA' for wx, ETA 1240. NAVY G375 1544 USB clg Lajes, reply 'unreadable'. BLUE 41 1547 USB wkg Lajes req wx to Lajes. REACH 0005 1619 USB wkg Lajes w/pp 'HILDA EAST', tanker off-load complete, adv to fly to Charleston, not McGuire. REACH 9006 1664 USB wkg Lajes w/pp 'HILDA EAST', T/N 90066. IF10A 1709 USB wkg Lajes w/pp to RAMSTEN C/P for wx 1830. CROWN 96 1736 USB wkg Lajes w/pp to MILDENHALL METRO, also @1752 pp to Ramstein for Rhine Main wx @2030. At 1936 pp to Keflavik from Mildenhall as wx is bad (FOG), stopping at RAF Brize Norton for gas, ETA 0030. (AD) Unid 0134 USB w/pp for Howard Metro. (GG) ANDREWS 0615 USB wkg station (missed call), passing traffic (EAMs from the 0531z & 0604z GHFS EAM cycles); station did not have landline capability. At 0618z with 'repeat' EAM bcst, with string taken from the 0531z cycle, a minute past normal start time. NIGHTWATCH 01 0105 USB wkg someone, passing wkg freqs (X209/P381.) Did not sound like a pp. TRENTON MILITARY 1950 USB active on freq, complaining about 'interference on freq - a 20-character EAM GHFS rotation FOR TACHEMETER AND TRADEX' (or soundslike). OFFUTT 1515 USB as lead station, w/26-character EAM string, followed at 1519z w/another 26-character EAM string. During the second string xmsn, there was a brief 2-tone 'ring' caught by the mike - within a couple of seconds the EAM string was 'disregarded' to be followed by a FOXROT bcst. Of interest, there was another 26-character string at 1615z. Typical Saturday EAM activity at a distinct weekly 1515z+/h time. DOG 02 1536 USB w/a general call 'on 89.' At the completion of OFFUTT's 1615z EAM transmission (1617 USB) FELIX 85 up on freq clg & raising OFFUTT re pp to a DSN 777 number id'd as HILL OPS/DISPATCH. (JH) Reach 72037 1930 USB to Frankfurt. Navy JW 270 1330 USB Brunswick-South Weymouth. (JP2) REACH 0535 (20535) 1900 USB wkg Croughton, pp Hilda ops matters, C-17 acft, tail #900535. Vator(?) 54 1910 USB wkg Offset, pp AV: 346-XXXX cmd post (Youngstown IAP??) [VATOR is probably VADER 54 & pp was to Youngstown 'Battlestar' per other logs -LOGS] Aerovac 60130 1949 USB w/Lajes, pp Lajes CP. Shell 33 1958 USB w/Lajas, pp Grand Forks AFB ND cmd post, which IO as 'Nordic', 19 POB's. Reach 60128 2000 USB w/Offutt, pp McClellan cmd post & wx station. Sierra 4 Juliet Golf 2009 USB clg mainsail, neg contacts. Navy Lima Alpha 612 2014 USB Lajes, radio ck OK. Reach 50223 2015 USB w/Thule, pp McClellan AFB cmd post & wx, 2310 arrival ops matters, 9 POBS. Offset 2049 USB w/emergency action msg prefix "ERIFCC". Reach 0535 2109 USB w/Thule, multiple pp's to Hilda, McGuireCmd Post, metro wx. Flt level 31k, posn was N51° 51ʼ, W 047° 55ʼ. Est Arrival McGuire 0100Z. Reach 68307 2125 USB w/Thule, pp Dover Cmd Post, metro wx, Hilda east, C-5 acft, 1 passenger, 18 pallets, est arrival Dover 0130Z. -? 21 2315 USB w/Offutt, pp Whiteman AFB base ops, 45 POB's (1138 military police), 8 crew members, est arrival 2310Z, needs 60K fuel. Offset 1642 USB w/EAM Broadcast "ER H4 HW...". Selig 85 1644 USB wkg Offset, pp Hill metro. (KW2)

"The Ticker" 0045 USB w/occasional noise bursts between ticks. (MF) BLUESTAR 1934 USB asking PASSPORT 10 to pass comms again. PASSBOOK 03
WUN-v02

1907 USB clg BLUESTAR, reports he is touchdown. BLUESTAR 1925 USB clg PELICAN 11, no joy. PASSBOOK 03 1933 USB wkg BLUESTAR, req to talk to WHISKY OSCAR, also relays his tasking info, tasking is south of his Green Area, also gives search area coordinates. Bluestar 1939 USB going green with Whiskey Sierra Juliet Golf. Sierra 4 Juliet Golf 1945 USB req datalink parameters from 3 Uniform India. Zulu Whiskey 818 1949 USB req radio check from BlueStar also req to go green. (MF2)

8974
STALION 004 2309 USB wkg RAAF Perth 36sqd, C-130H RAAF. Stalion 011 2132 USB wkg RAAF C-130H 36sqd. (SB)

8975
Royal Australian Airforce bases & Auckland New Zealand AF USB
Everyday at 2100 & 0900, all bases call each other for radio checks. (BS)

8983
CG 1500 1659 USB wkg CAMSLANT, wx for Elizabeth City NC. CG 1719 2003 USB wkg CAMSLANT, posn 28,02N 84,01W flt ops normal. Kilo 7 November (K7N) 2004 USB clg CommSta New Orleans, no joy. (Kw2) (& 5696) 1034 to 1131 USB A major rescue mission was underway off the North American east coast apparently involving a capsized catamaran. Life preservers were seen floating amid debris, but no survivors mentioned. Incident posn given as 38N/56W. The vsl in trouble seemed to be called Catamaran Chiffon, or something similar. Participating were: Rescue C302, a USCG aircraft on the scene. Rescue 1720, a USCG HC-130 departing the scene to refuel at Bermuda. Rescue 314, a Canadian Forces C-130 from Greenwood, Nova Scotia, due to arrive on scene to replace Rescue 1502. New York RCC, a shore station, CAMSLANT Chesapeake, the main shore station controlling the operation. Merchant vessel "Newark Bay"/WPKS, on the scene and assisting.

8989
IFO 02A 2000 USB C-130 to Ramstein/working Thule(!). AF 601 1430 USB Bakou. (JP2)

8992
SEATRAIN 1532 USB wkg 9KY w/voice & unsuccessful ANDVT comms. SEATRAIN found in NIGHTWATCH net later in the day. (JH) AC 034 1027 USB Lisbon-Split/Selcal CM-BS/Port AF. (JP2) MacDill 1957 USB w/Skyking message. (Kw2) MacDill 2009 USB w/pp for Navy Juliet Romeo 450 to Howard Base Ops & Meteo (Navy JR 450 was a C-20G). MacDill 2006 USB w/pp for Pat 247 to Andrews meteo & SAM CP (Pat 247 is a Army C-20 returning from Brazil). (MF2) PEARL/EARL 61: 2029 USB wkg MacDill GHFS w/pp PEARL/EARL OP's re is runway open? (RB)

9007
Unid FF comms 2102 USB do French Canadians speak FF on Trenton military? (MF2) IFSB01:CanForces a/c 0551 USB on Bosnia IFOR mission, wkg Trenton Military, pp Trenton Meteo. CANFORCE 88 2227 USB wkg Trenton Military poor copy, go to 11232 (RR)

9011
SAM 518 1100 USB Aviano to Andrews DV2 onboard. (JP2)

9013
SIDECAR 1540 USB wkg C8H (not heard here), req move to designator G-22. (JH)

9014
'Something' 24 2324 USB wkg 'something' 21 (could not make out the call) w/air-to-air comms, passing instructions, directions, etc. (JH) 'Something' 43 1945 USB (could not make out, but possibly ex DYESS) wkg RAYMOND 07 w/pp to CANNON wx. (JH)

9016
McClellan 2111 USB wkg ROWBOAT in voice/data. ROWBOAT in the NIGHTWATCH net. MACDILL 1526 USB clg MCCLELLAN. At 1528z, MCCLELLAN responds, & then into attempted data exchanges. (JH) PULLOVER USB req pp via Hickam GHFS to DSN, no luck. At 1438Z, Hickam asks what party at Tinker PULLOVER is requesting, & PULLOVER advises VQ-3 OpCon. At 1444Z, Hickam advises they were unable to find VQ-3 OPCON, but that they had Tinker Command Post on the line. PULLOVER advises Hickam GHFS to disregard, as PULLOVER was able to raise the requested party via another circuit. (TT)

9017
0200 Data exchange activity involving ROLLPACK and another station (could not make out id). FIRELIGHT 2102 USB clg NIGHTWATCH 01 and some other station (could not make out). MYSTIC STAR 1625 USB Station (female opr) appears to be placing pp's. At one point I think I caught 'presidential', so I suspect the station is Andrews providing patches for someone. At 1506 weak station (IRONCLAW maybe, and maybe not) w/EAM xmsn, concurrent with GHFS rotation of same. Andrews 1625 USB wkg TROUT 99, providing various pp's for same. NIGHTWATCH 01 1731 USB clg SEATRAIN, then ASSOCIATE; raising SEATRAIN at 1733z, where SEATRAIN advised he was performing data check w/SEATRAIN radio check.
WUNhv02

NIGHTWATCH 01 2034 USB w/74 character EAM (a common character count), simulcasting on 9017 & 11220 (DNBIV...). EAM repeated (on simulcast freqs) at 2054z, then again at 2122z (with Z6-character EAM (MZKGJ3...)); repeated to SEATRAIN at 2139z; and repeated at 2151z when KIWIBIRD entered the net. At 2222z (common timestamp this day for these things) NIGHTWATCH 01 clg SEATRAIN, ASSOCIATE, & KIWIBIRD for radio checks, w/no response. WAR46 also active in net SHUTOUT 1628 USB wkg NIGHTWATCH 01. 4742.0 also being used. At 1630z, GOATPEN, female opr; tuneup growl; EAM initiator) wkg NIGHTWATCH 01. GOATPEN often acted as relay station between NIGHTWATCH 01 & PINETREE (who could not hear NW01) as they moved from freq to freq. At 1657z, GOATPEN w/26-character EAM (MQST7V.., picked up by GHFS at 1701z) to NIGHTWATCH 01 & SHUTOUT, simulcasting on 9017, 8968, & 11244. At 1745z, ROADSIDE (active at 0700z+ on GHFS) wkg NIGHTWATCH 01. At 1945z, ROADSIDE wkg NIGHTWATCH 01. At 2033z WAR46 works NIGHTWATCH 01; GOATPEN pops up & works NIGHTWATCH 01; & asks NW01 if SHUTOUT is still in the net (neither was sure). PINETREE 2052 USB wkg NIGHTWATCH 01. OILTANK 0324 USB clg NIGHTWATCH 01 "on nine zero one seven upper"; nothing heard, and gone. (JH) NIGHTWATCH 02: 2049 USB wkg NIGHTWATCH 01, att to relay comms for WAR46, req QSY W104. (RB) INFINITE 2319 USB wkg NIGHTWATCH 01 informing NW01 that they were no longer receive only. (TB) NIGHTWATCH 01, MACARONI, & WARh46 in net USB. Later chased off freq by ELF/Andrews. EXECUTIVE ONE FOXTROT (89th AW C-20) USB wkg Andrews, ETA destination in Texas was 1855z. (TT)

9023 DRAGNET SIERRA 1753 USB clg for signal check. No response. At 1757z, CHALICE ALPHA up on freq clg unk station (could not make it out). Unid 1754 USB Two stations in air-to-air intercomm traffic re something in the "...hot area planning on taking off." There were also further comms at varying 9023.# (0-5) freqs. DARKSTAR MIKE 1823 USB clg OKIE SAM (Tyndall) for signal check. Nothing heard and gone. DRAGNET SIERRA 1753 USB making a call for a signal check. CHALICE ALPHA active at 1757z. (JH) DARKSTAR MIKE: 1608 USB wkg unid unit w/ETA RAYMOND 24. (RB)

9023.5 Apparent air-to-air intercomm activity 1754 USB "...hot area...", chatter. (JH)

9031 IFB 13 0953 USB to Lyneham. Ascot 3293 1735 USB wx LICJ/LGIR/LGAT. IFN 94 2440 USB Nice. RAF helicopter. (JP2)

9037 Unid 0106 USB British male w/msg 'Operations Normal...transmitting in the blind'...then out. Have heard the exact same traffic here in Tue.95. (TB)

9057 RIDELESS 2008 USB clg NIGHTwatch(not heard), Nightwatch asked them to move to S-310 (EG) KIWIBIRD 2038 USB clg NIGHTWATCH 01; nothing heard; then to 9017 where he called NIGHTWATCH 01, then any station. (JH)

9122.5 USACE Friday net 1500 w/ WUA, WUB5, WUG, WUI5, WU312, WU4, WUM, WUN, WUP and others. (DHM)

10000 RADDAA 18(?) 2042 USB Honest, I swear. I am on WWV as you see right here and I'm hearing "Mainsail, Mainsail triple one seven five". (PP) [probably hit the wrong pre-set -LOGS]

10150 Unid: 0815 USB Morocco? Army? (ANEE)

10780 Cape Radio 0627 USB clg Ascension Radio, adv loud & clear. Cape Radio 0655 USB wkg ARYA 1, 11634 seems to be noisy at this time, we could use 17554 or 14432, they seem to be quiet at this time. (KS) Cape Radio: USAF ETR Cape Canaveral, Fl, US 0832 USB wkg Ascension Radio w/rdo ck's, adv had switch of circuits causing comms loss. (RB) CAPE RADIO 0927 USB radio-checking 3262 & adv 3262 that the launch was currently in a 7 minute hold, then they would have a 5 min countdown. CAPE RADIO advised that the support net was on 11217USB & that 3262 might be able to monitor some of the traffic there. (TT)

10845.5 Unid: 0900 LSB Spanish Army? (ANEE)

11175 REACH 463 1056 USB wkg CROUGHTON w/pp 'AVIANO METRO', ETA 1140. QUID 09 1100 USB wkg CROUGHTON clg 'INCIRLIK RADIO'. Croughton replied, nothing heard. REACH 18153 1155 USB wkg CROUGHTON, req pp to 'HILDA EAST' & 'HILDA METRO' for wx @LRET @1530 & DAAG @1400, T/N 40630. A1. BH 30278 1305 USB wkg CROUGHTON, pp 'RHINE MAIN' CP & METRO, ETA 1630, T/N 70025. REACH 90066 1530 USB clg CROUGHTON w/no reply. REACH 01 1530 USB clg ALBROOK no reply. (AD) Unid 1500 USB Mossad #s (ANEE) Mainsail 0927 USB wkg JM 312 (US Navy a/c). Reach 0940 USB wkg
Ascension (C-141B) w/pp Mildenhall CP: etb 1210, PMSV wx EGUN 1200 (thx) & Ramstein 1050. IFO 60 0941 USB wkg Croughton (IFOR related). Spar 43 0947 USB wkg Incirlik (T-43). Spar 67 0950 USB wkg Croughton (C-9). IFO 15 1048 USB wkg Croughton (IFOR related. C-17?) w/pp DSN 480 5824 (Kingfish V): dep Ramstein 0927 eta LQSA (Sarajewo) 1205. IFO 15 1227 USB (much louder now), pp same nr: on the ground Sarajewo, no paperwork for on load, want to refuse the load, req, guidance: who wants to load? Lt.Col Rose ("as in the flower"), he says Stuttgart authorized it. w/pp DSN 634 02754: no paperwork -> no onload. XIG USB wkg 7DW. Reach 4R1 1125 USB wkg Croughton (C-141B) w/pp Ramstein CP: etb 1445, tailnr 40612, mission A3BJ4R1, A2 for fuel pump, nr. 4 engine blow-out door, need engine run parking spot for that. w/pp PMSV wx ETAR 1430, EGUN 1530, pirep: Ch141 fl370, 55n 25w. Airevac 10S3 1137 USB wkg Mainsail (Ch9). Again at 1214: w/pp (weak) arr Rota. Reach 2392 USB wkg Mainsail (C-17A). King 81 1159 USB wkg Croughton radio check. Reach 11S1 1222 USB wkg Incirlik w/pp Mildenhall CP, Hilda East -> "another frequency", lost contact (w/me at least, I believe w/Incirlik as well). Grit 77A 1243 USB wkg Incirlik (C-12 6 Av.Det, US Army Vicenza, Italy) ID'ed as a US Army C-12 over Brindisi. w/pp DSN 634-7720: ID'ed again as a 6th Av.Det C-12 at fl280, refused entry to Albanian airspace, they wouldn't accept the diplomatic clearance, rtb Vicenza, eta 1400. Lost contact, -nr 11244 (Thule) same patch. c/s spelled. NATO 35 1115 USB wkg Croughton (Sentry, 8 Sq. RAF) pp Aviano PMSV wx 1300 (BH) MacDill, McClellan, and Andrews 2215 USB c/s MAG 202. No joy. BEAR 14 0045 USB placed pp to 997 DSN #: Adv ent to E1 Toro MCAS. NIGHTWATCH 02 2100 USB w/pp via MacDill to 1-800-857-xxxx, need password. (BWS) 0641 USB very long EAM, 132 characters by my count, beginning w/H32G.

RIDERLESS 2005 USB wkg Offset via pp for station Nightwatch wkg fregs, told primary X-903, secondary S-309 (EG). Fuzzy 13 1413 USB wkg Offset GHFS, w/pp to DSN 238-xxxx, ('Fuzzy Ops', Niagara Falls AFB), to report their eta as 1145 local. AAOU 2222 USB wkg Albrook GHFS w/pp to DSN 283-xxxx ('Raider'). Raider said AAOU to go straight to El Salvador as fuel in Honduras is cancelled. Raider also gave the name of their 'point of contact' in El Salvador. SAM 97 1304 USB wkg Croughton GHFS, pp to Andrews VIP, no contact on 5u, QSY to 646u. (GT) JAMBO 33 2011 USB during Red Flag exercise at Nellis, declaring that it was having a fuel pump problem but was not declaring an IFE; he wanted this info relayed to Mudbug, his expected time at Nellis is 2215. (HG) GHFS 2215 USB w a 20/20/26 character EAM set over a 15 minute period. PAT 266 1752 USB wkg Andrews w/pp to SAM COMMAND. ORTHO 11 1920 USB wkg OFFUTT w/pp to SHADO OPE re activity at DUKE AIRFIELD. Up later at 2026z wkg MADCILL. SUMMO 74 2028 USB c/s Andrews, then back up at 2041z wkg MacDill w/pp to DSN 577 number. FALLS 71 0026 USB (female opp) wkg HICKAM w/q for HICKAM to relay of Pf. C-141. 1349 USB active w/tool freq. MCCLELLAN 1526 USB c/s ELMENDORF. Heavy GHFS to GHFS station data. SAM 203 2020 USB wkg MACDILL w/pp's to various CHARLESTON locations. SPAR 84 1547 USB active w/unid GHFS station, self-id as a "737" and "tail number 20284." (JH) ADMW 2041 USB c/s Albrook, negative contact, at 2046 wkg MacDill w/pp to AV 283-xxxx. Reach 70016 2059 USB Offset, pp Charleston AFB Metro, wx for 2300Z arrival Charleston & also Beaufort MCAS. (Kw2) Albrook 1850 USB wkg pp for Reach 8 Jul 8 to Lobo. Albrook 2109 USB wkg ADMW w/msg to Raider. ASCENSION 1918 USB w/pp for HERKY101 to RAMSTEIN METEO. OFFUTT 1920 USB w/pp for REACH 60197 to MCCORD CP. OFFUTT 1923 USB wkg CROWN 95. OFFUTT 1935 USB w/pp for TURBO 11 to TRAVIS CP, TURBO 11 TAIL#1482. ALBROOK 1909 USB w/pp for ATLAS 11 to HOWARD METEO. MACDILL 2002 USB w/pp for GOLF 9 ALPHA to 7 WHISKEY ALPHA. ALBROOK 2005 USB w/pp for SHARK 85 to AMC BOGATA. MacDill 2023 USB w/pp for REACH 80223 to MacDill Meteo for wx at Port of Spain, Trinidad. ASCENSION 1908 USB w/pp for BRAVO HOTEL 211 to RAMSTEIN AME. OFFUTT 1910 USB w/pp for VIKING 11 to LAWSON AAF. ALBROOK 1920 USB w/pp for SHARK 04 to LOBO & HOWARD METEO. OFFUTT 1922 USB w/pp for NAVY AC 128 to a DSN#, "GOLD HAWK". SPAR 19 1927 USB c/s for rdo ck. ALBROOK 2000 USB w/pp for SHARK 04 to LOBO. MacDill 1946 USB w/pp for HAVOC 42 to TACC (C-130 TAIL#41680). Ascension 1951 USB w/pp for REACH 70043 to Dover CP. MacDill 2000 USB wkg WOODLAND who req NIGHTWATCH primary & secondary,
later posted this DSN is GOPHER OPS, Birmingham ANG Base, AL, probably used by the 11th ARW KC-135s. -LOGS] November 1 Victor 2010 USB req pp to DSN 312-820-4592 [not on my list either]. Reports OPS normal to duty office. ET on station in 15 minutes. "Off deck" used in conversation so this is Navy/Marine bird. Duty office wants to know "souls on board" [Chaplains on TAD/TDY?] [16]. Fuel state [7.0], & Mode three [1200]. (TR) [Souls On Board is an older term for now preferred Persons On Board (POB) -LOGS] GEIGER 52 2022 USB wants DSN 346-1315 (BATTLESTAR). Then he decides to change call sign to VADER 52. He launched from Travis and is going to Youngstown [Ohio?] & then apparently to Milwaukee. Apparently wx is deteriorating. BATTLE STAR passes "RCR" which was runway conditions at Youngstown. [BATTLESTAR is 910th ALG at Youngstown-Warren RAP, Ohio -LOGS] HOIST 94 2045 USB told by Hilda to divert to Dover after AR. This causes much confusion since this was his original plan anyway. REACH 239 2121 USB discusses w/Hickam attempts to get some DV back to Travis. Navy HI263 2142 USB pp to DSN 476-???? [garbled/weak] which apparently is GOLDLOCK. Asked if GOLDLOCK had copied their alligator traffic. Also they ann they were delayed "on station". [probably GOLDFLOCK -LOGS], HOIST 94 2150 USB calls MacDill, MAINSAIL, & finally gets McClellan. Asks for Hilda. They are told McGuire cancelled their AR, they are to go to Dover AFB [Delaware]. Apparently their refueller couldn't de-vice fast enough to allow them to get off the ground due to the great blizzard of '96. REACH 50257 2215 USB is "PAM 2077 Mission 0005". In blocks, maint status A-2 due to bad "standby attitude indicator light", 17 pax. Asks ground station [?] if they have outbound computer op plan. They are headed for Guam. WISE 83 2235 USB w/Ascension. States they were using callsign RAZOR. Calls Plantation Ops [16th SOL, Hurlburt Field according to various previous posts to WUN]. These previous posts also note the a/c working Plantation OPS was using callsign WISE. DART 44 2327 USB passes following to Dyess AFB: at 3430N/10430W FL250. [Eastern central New Mexico]. On 29 March & 7/14 August 1995 I heard other DART a/c call Dyess AFB, Tx. Charley 2 called by Tango Kilo 2310 USB TK is sitting at the pier at Gitmo [Guantanamo Naval Base, Cuba]. Mention of "LT 801", pp is through Albrook. (TR) [TK is ADTK, USAV Col Seth Warner (LT-806) w/pp AAC2 shortened to C2, Harbormaster Fort Eustis, Va. The LT (Large Tug) 801 is ADTF MG Nathanial Greene -LOGS] VIPER 33 USB w/pp to DSN 359-9355 via offutt GHFS. VIPER 33 advised VIPER OPS (which ID'ed as Moffett Rescue) that 33's ETA to Moffett was 0045Z. RAIL 77 USB w/radiohck from MacDill GHFS. RC-12 Guardrail a/c? AXIS 18 USB w/pp via MacDill to DSN 361-4820/2272. 18 adv AXE OPS (42nd ACCS, Davis-Monthan AFB) that they would be running 30-45 minutes late due to ATC requests, & waiting parties should meet crew at Base Ops upon 18's arrival. EC-130E ABCCC a/c. HOBBY 35 USB w/pp via MacDill GHFS to Foxtrot (35 was the Supervisor of Flying). In pp to Atlantic AFB, 35 adv FOXTROT that HOBBY 35 was experiencing a visible fluid leak from #4 engine, & was enrt to home plate (Keesler) instead of heading to Youngstown IAP ANGB, w/2015Z ETA. S9W 1843 USB req pp via Albrook to the COMSUBLANT CWO at Norfolk on 11175. It was the usual "Initiate Esteem Highly Alpha" stuff, & the Comms Watch Officer responded with a 191846Z Time Of Receipt, & the patch was terminated. But two mins later, S9W was once again calling Albrook, req a pp to COMSUBLANT CWO, after delay, adv Albrook that pp was highhpriority as she was going to pass a 'man overboard' report! CHINE 31 USB req pp via Albrook, Albrook requests offutt support 31. CHINE 31 pp to DSN 456-7416, ANG Ops at Francis Gabreski ANGB, NY. CHINE 31 adv ANG Ops that 31 was a 5th SOS HC-130 66 model wanting to divert to Gabreski to see if they could repair CHINE 31s autopilot, before 31 continued on to Mildenhall Air Base. ANG Ops advised that their Rescue Squadron maintenance (HC-130s...) people should be able to assist. 31 advised their ETA was 1740Z. META 51 USB w/pp to Patrick AFB CP via Offutt Global. 51 req a PPR # for a divert to Patrick. C.P. adv META 51 that Patrick Base Ops handled all flying ops, so 51 would have to contact them. In pp to Patrick Dispatch, META 51 adv they were a C-130 enrt to Delaware from Davis-Monthan AFB, & might have to divert to Patrick due to wx (major winter blizzard hitting eastern USA), & req a PPR. Patrick gave them a PPR, & 51
adv they'd call back in about 45 mins & confirm one way or another whether or not they'll divert. META 51 called back via Andrews Global at 1936Z & confirmed they would be enrt to Patrick, w/a 2200Z ETA. A/c had 7 crew, 1 pax & no cargo. Possible tail # of a/c was 40206. PLUG 31 USB w/pp via Offutt GHFS to SPECTRE OPS. 31 adv they had a 2100Z ETA, would require 2 vans & one bus. & to notice Customs of the early arrival time. SPECTRE OPS Ided as SANDCASTLE OPS throughout the patch. SNOOP 56 USB w/pp to Mildenhall Metro via Croughton. 56 needed at 2150Z forecast, then talked with Metro about diverting elsewhere due to the conditions at Mildy. SKYKING SKYKING, for all JAMBO-flagged aircraft, contact MUDBUG 99 when returning to home station repeated twice by JAMBO 23. ADMP USB w/pp to RAIDER via Albrook GHFS. RAIDER started to pass NFL football game scores, & the operator at Albrook terminated the patch. GHFS operator then advised ADMP that patch was terminated due to inappropriate traffic. ADMP said they understood, & cleared. (TT)

11180 Croughton discrete Spar 67 from Villafranca to Ramstein clg "Freebird ops" on DSN 4802116 (new c/sign ?hused to be "Gulfstream")
11193 Royal AF Volmet 1712 USB wx observations select aflds. (Kw2)
11214 DRAGNET SIERRA 1722 USB wkg Trenton Military w/pp to unk party (missed it) re setting up 'format training' at 1800z on 9023.0; and then pp to NIGHTWATCH 01 (at a DSN 887 prefix) to get wkg freqs in order to conduct tests. NIGHTWATCH USB advised P381 & W105, but that he was monitor only until around 1830z. (JH)
11217 Navy 844: 2053 USB wkg MacDill GHFS w/rdo ck. (RB) DOD CAPE 0930 USB wkg KING 1, KING 2, KING 3, USCGC Confidence, & CLEARANCE 1 on STS-72 launch range support net. DOD CAPE req on-scene wx from Confidence at 0938Z. Did a brief countdown & advised of successful launch a few minutes later. Net was officially terminated at 0951Z. Confidence was advised their helo could divert. CLEARANCE 1 was told to have a safe trip & contact ATC or CAPE RADIO on 10780 if they needed any assistance. (TT)
11220 RIDERLESS 2009 USB wkg Nightwatch, authenticated into net, had no traffic at this time. Told this would be primary, S-309 would be secondary. (EG) Andrews 2228 USB wkg SAM 202, radio cks, qsy back to 114u. AF2 2007 USB wkg Andrews on 31u (with 6.683/731u as secondary), landed at 2147. (GT) NIGHTWATCH 01 2008 USB active with unk station. 2001 USB 26hcharacter EAM at 1958z, followed by Offutt w/same on GHFS at 1959z, then NIGHTWATCH 01 up on freq at 2001z clg & wkg WAR46. WAR46 to be off the air for 1 hour. NIGHTWATCH 01 2133 USB with 26-character EAM to ROWBOAT and one other station. Quiet until 2215z, when ROWBOAT (very strong) worked NIGHTWATCH 01; then at 2216z, NW01 works WAR46. NIGHTWATCH 01 1504 USB wkg IRONCLAW. NIGHTWATCH 01 1951 USB (at good level into Texas) wkg WAR46. SAM 202 1902 USB clg Andrews. SAM 682 0007 USB clg Andrews. (JH) Nightwatch 01 1900 USB clg Buttnerut & Spellman w/a Papa msg on S310. Butternut 1958 USB clg Nightwatch, nothing heard. About a minute later Nightwatch came back looking for Butternut, nothing heard. Nightwatch 2003 USB wkg Methodist to authenticate Juliet Golf, Nightwatch also confirmed station Butternut and Spellman where on the net. (MF2) SAM 200: USAF C-20B, tail 86-0200 2130 USB wkg Andrews VIP w/comms ck's in USB/LSB. (RB)
11229 PINETREE 2041 USB clg NIGHTWATCH 01, but raising GOATPEN. PINETREE enters the net w/GOATPEN (after GOATPEN asked & got permission from NW01 to perform the chore). GOATPEN opr advised PINETREE that 'current traffic' was MQ75TV... (first broadcast at 1657z), then corrected herself and said that there was 'no current traffic in the queue.' (JH)
11232 Trenton Military 2229 USB wkg CanForce 88 re location, reply Bagatel, copy poor go to 6745. (RR)
11235 Striker-225 0349 USB wkg RAAF Darwin, 10sqd P-3 Orion. (SB)
11244 SPAR 76 USB wkg Andrews, passed that they were on 8026 w/VIP/Presidential radio. They are returning there now. (JC) TEAMWORK 1321 USB wkg MacDill, getting wkg freqs for NIGHTWATCH net: S301; W101. At 1344z, back up w/MACDILL, pp to NIGHTWATCH & inquiring if NW01 had received traffic ZAYK6P. Negative, as NW was having equipment problems. Back to S301. Offutt 1308 USB as lead station (but MacDill at 1305z) with 145+ character EAM string
TWILIGHT 1607 USB wkg Andrews, getting wkg freqs for NIGHTWATCH 01: P381; w105. Andrews 1455 USB as lead station, w/ 20/20/26 character EAM set over a 10 minute period. Unid 1646 USB clg NIGHTWATCH 01 on S393. No reply, and gone. Andrews 1509 USB as lead station (good level, but propagationally hollow and distorted) w/ 20/20/26 character EAM set over a 10 minute period (plus it is at the 'normal' Saturday 1515z +/- EAM xmsn time). Unlike the recent past, numerous GHFS stations were heard with this rotation, including THULE (or maybe ersatz-Thule as there were remote keyup tones on the signal). Andrews 1603 USB as lead station (hollow & distorted, & sometimes unreadable) w/ 111+/- character EAM: BGD2FR. At completion of the set, Andrews back up with another MAINSAIL call, & a repeat of the previous BD... EAM set. MacDill w/his xmsn of the string did not have the propagational distortion of Andrews. Andrews 1802 USB as lead GHFS station, with an EAM "For..." something. Andrews 1923 USB as lead station, with 82-character (+/-) EAM: BDY3IW... GHFS 1314 USB with an EAM "For..." something starting w/a "c". McClellan 1532 USB clg ELMENDORF (maybe 'all freq request'), & raising same, adv ELMENDORF that a station on 1175 is standing by for comms with ELMENDORF. Untid 1746 USB with 26-character EAM, found simulcasting same on 6739.0. Could not find net primary freq with this string though. McClellan 1250 USB as lead station, w/ 11175-character EAM transmission: H3 series. McClellan 1414 USB as lead station with 26-character EAM xmsn. Also earlier at just after 1300z, but no EAM set at 1515z (a break from the recent past few months.) The hour became active at 1540z however, and there was a 48-character EAM at 1547z (BDFZTC...). McClellan (lead station) 1600 USB w/ 20/20/26 character EAM set within 10 minute period. ALBROOK 1552 USB clg SAM 300. OFFUTT 1421 USB as lead station, with a 6/20/26 character EAM set over a 12 minute period. At 1437z, a 'whistler' 'up on freq for a few 'calls', then gone. OFFUTT 1503 USB w/the start of an EAM transmission, using F44WVH as the preamble. Disregarded the thing before the completion of the thing. Back up at 1553z with at least a 20-character and (at 1558z) 26 character EAM set. (JH) Offutt 2113 USB wkg Reach 70033 w/pp. ALBROOK 2124 USB w/pp for SPAR 84 to Panama. Mulberry 2000 USB clg Andrews, no joy then tries Mainsail, Albrook answers, req NIGHTWATCH freqs. Primary is S312-13211 Secondary is X903-6730. (MF2) McClellan GHFS: Ca, US 2110 USB wkg FOUL LINE re unable to contact station NIGHTWATCH, confirms active freqs. (RB) NIGHTWATCH 02 USB contacts Andrews GHFS and asks if Andrews is capable of making pp to WATS numbers. Andrews advises yes, so NW02 req pp to a 1-800 #. At 2048Z Andrews advises that the # operator is req password. NW02 adv Andrews to connect 02 w/the # & NW 02 would handle that. NIGHTWATCH 02 req that Special Activities let NW01 enter the training sub-conference. Nothing else happens for several min, so NW02createQuery & then re-initiate the patch. A minute later, Andrews advises NW02 that the operator advised there was no one in the conference, which explained why NW02 didn't hear any activity during the pp. At 2058Z, NW02 had no further traffic for Andrews. COBRA 19 USB w/pp to a Tinker AFB DSN via MacDill GHFS. COBRA 19 advised OpCon (VQ-4) that they'd need a PPR for NAS New Orleans. (TT)

11460 Sam 681 1014 USB to Amman. (JP2)
13200 REACH 40621 2053 USB clg Andrews. Just prior to this call, the freq lit up w/ALE burst & an apparent response pulse. (JH)
13206 WISE 63: 1957 USB wkg PLANTATION OP'S (Hurlburt Field) w/HF rdo cks. (RB) MOKIE (?) 41 USB adv PLANTATION OPS that 41 was ROYAL at that time. PLANTATION OPS acknowledged ROYAL at 1903Z. MOCCASIN 14 (AFSOC helo) called PLANTATION OPS and advised that 14 was airborne, for a second time, at 1940Z. GASER 93 called & radio-checked PLANTATION OPS at 2029Z, clear-voice & KY75. (TT)
13211 ROADSIDE 1946 USB clg NIGHTWATCH 01. (JH) MULBERRY 2002 USB wkg Nightwatch, who is too weak to copy. (MF2) NIGHTWATCH 02 1851 USB w/pp re establishing links. NIGHTWATCH 02 1907 USB w/NW 01 re req call Pentagon, have them reload crypto, we lost tone at 1905" Seems as if main activity of this net is demonstrating ability to establish & maintain links. (RR)
13242 Andrews 1817 USB w/2 pp's for Batter(?) 16. (GG)
13440 SAM 973 1307 USB wkg Andrews, radio cks on 646u. (GT)
13960 SAM 518 1742 USB w/pp Andrews (GG)
14440 NNNOCUO: 2335 USB & NNNOCUQ (barely readable in the background) w/other Navy MARS (GG) [CUO is USS Spruce (DD-963), CUQ is unid, help? -LOGS] NNNOCXN: Unid 1530 USB USN Mars, wkg NNNONGW (ANEE) [CXN is USS Portland (LSD-37), NGW is USS George Washington (CVN-73) deployed to support Bosnia op's -LOGS]
14443 Unid: 1530 USB USN Mars same as above QSY due to QRM (ANEE)
14838.3 NNNOCMA: USN Mars 1530 USB wkg NNNOCQ to NNNOCY via NNNOC, ship in western Mediterranean (ANEE) [CYZ is USS Whidbey Island (LSD-41) -LOGS]
15016 Andrews 2304 USB w/pp's for LOBO/LOGO? 289. (GG) TIGER 60 1645 USB active on 15016 wkg Ascension (and briefly McClellan) w/pp to RAYMOND 33. TIGER 60 appears to be ready to declare an IFE (maybe) & discussed the use of 13777 & AFSATCOM for future comm's re his problem. McClellan 1636 USB as lead station with EAM string FOR THRALL. The transmission interrupted TIGER 60's comm's with ASCENSION (& MCCLELLAN briefly) re TIGER 60's probable IFE. BUSH PILOT 0123 USB clg MAINAIL for radio check' on 6739, then 8968, & finally landing on 15016, w/no reply. Then BUSHPILOT with 26-character EAM (MQ4677...) repeated at h+25 & h+51 from 0125z through 0251z (nothing after) & simulcasting on 15016 & 8968. Minutestamp similar to NIGHWATCH 01 activity on 07 Jan (h+22, h+51), and exactly same as activity on 20 Sept 95 involving TIGERACE at h+25, h+51 (1825zh1951z at least.) (JH) ADMO 2053 USB w/Ascension, pp Raider, posn report 23' 38" N, 86' 25" W. Reach 7001 1749 USB clg mainsail -- no joy. (KW2) Albrook 1952 USB w/pp for Shark 18 to Lobo & Southcom meteo. MacDill 2001 USB w/pp for Reach 60184 to Dover CP. Ascension 1927 USB telling SCORPION that Nightwatch is on Primary S-381 & S W-104. Anyone know what freq S-381 is? Ascension 1929 USB w/pp for REACH 40466 to Hilda East & McGUIRE CP & meteo (REACH 40466 is a C-141) McClellan 1921 USB making a all frequency request for REACH 521 Albrook 1933 USB w/pp for SHARK 12 to Lobo. (MF2) TIGER 60 USB wkg RAYMOND 33 (via Ascension Global) that it was preparing to call an emergency w/RAPCON due to a suspected air leak in an inter-cooler. Tiger 60 was bound for Ellsworth AFB. Tiger 60 said it would monitor 13.777. AAOU: Army Vessel Manassas 2110 USB called MacDill for a pp to Raider. The vsl gave its posn as 9N/85W, & Costa Rica & El Salvador were mentioned. (RA) SHARK 21: 1931 USB wkg Albrook GHFS pp, Lobo. KING 76: USAF fixed-wing aero 2047 USB rescue a/c wkg McClellan GHFS w/pp to 273 DSN no. SLUFF 32: 2110 USB wkg MacDill GHFS w/pp Wright-Patterson CP, meteo, pirep ID's a/c as C-130. (RB) PETRO 71 USB w/pp to Tyndall AFB Base Ops via McClellan GHFS. 71 adv they were a KC-10, part of a CORONET deployment, escorting F-15s back to Tyndall from Kadena A.B. Japan, with a 2345z ETA & info should be passed on to the Weapons Evaluation Group. PETRO 71 had 12 pallets, 58 duty-pax, 6 Space-A pax, and was currently FL 370 over Arizona. SIERRA 46 USB w/pp via Albrook to NAS Fallon base ops. The a/c Ided as a KC-10, & wanted to know if they could do an hours worth of local pattern work (shoot approaches) at NAS Fallon, starting at about 2130Z before heading back to Travis. Permission granted. (TT)
15560 Ascension Radio 0810 USB wkg ARIA 1. (KS)
16540 Juliet Golf 2014 USB clg VEC, CBL, & BL for r/c's. Mike Romeo Echo 2016 USB clg MRC. Juliet Echo 2018 USB clg Bravo Echo Bravo (RM)
16911.2 JNA: Japanese Navy, Japan 0145 CW VVV de JNA (EW)
17227.6 ZLO: RNZN Auckland, NZ 1048 CW cq (EW)
17976 Unid GHFS 0641 USB very long EAM, 132 characters (EG) Reach 70033 2107 USB clg Offutt radio, nothing heard. McClellan 1922 USB wkg SNOOP 43, because of weak signal 43 was going to try someone else McClellan 1938 USB passing a EAM to RAID 89 (MF2)

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=ALL OTHER SSB/AM/CW/& MISCELLANEOUS MYSTERIOUS STATIONS=

179.6 LW BEACON 1101 Location: Winter Garden,Fl.15 miles WEST of Orlando,Fl. per: Andrew Everhart-N9WCN
185.7 JPH Riverdale, MD (JL2)
195 TUK Nantucket, MA (JL2)
198 DIW Dixon, NC (JL2)
206 GLS Galveston, TX. QI Yarmouth, NS Canada (JL2)

Pagina 198
| 209 | MT Chibougamau, QUE Canada (JL2) |
| 212 | ESN Easton, MD. TS Timmins, ONT Canada (JL2) |
| 214 | OHE Monahans, TX (JL2) |
| 216 | CLB Wilmington, NC (JL2) |
| 217 | RL Uni (JL2) |
| 219 | YMG Manitouwadge, ONT Canada (JL2) |
| 221 | FB Uni. AYI Hanco, MS (JL2) |
| 222 | FDR Frederick, OK (JL2) |
| 223 | DA Ft. Belvoir, VA. YYY Armstrong, ONT Canada (JL2) |
| 224 | YUY Rouyn, QUE Canada. QM Moncton, NB Canada. MO Uni (JL2) |
| 225 | YN Uni (JL2) |
| 227 | SNL Shawnee, OK (JL2) |
| 229 | GDX Upperville, VA (JL2) |
| 230 | QB Quebec. AQE Greenville, NC (JL2) |
| 232 | MX Uni (JL2) |
| 233 | QN Nakina, ONT Canada (JL2) |
| 236 | GNI Grand Isle, LA. Ow Ottawa, ONT Canada (JL2) |
| 237 | DYL Doylestown, PA (JL2) |
| 239 | VO Val-D’or, QUE Canada. UBC Ballinger, TX. FE Forestville, QUE Canada (JL2) |
| 241 | VXX Potomac NDB (JL2) |
| 243 | YVB Bonaventure, QUE Canada. DG Chute Des Passes, QUE Canada (JL2) |
| 245 | ANR Andrews, TX. PTN Patterson, LA. YZE Gore Bay, ONT Canada (JL2) |
| 247 | FRT Uni (JL2) |
| 248 | UL Montreal, QUE Canada. IL Wilmington, DE (JL2) |
| 250 | YTJ Terrace Bay, ONT Canada (JL2) |
| 252 | AM Amarillo, TX (JL2) |
| 253 | CJR Culpepper, VA (JL2) |
| 254 | YTF Alma, QUE Canada (JL2) |
| 256 | SB Summerside, PEI Canada. LLW Elizabeth City, NC (JL2) |
| 257 | DEF Slidell, LA (JL2) |
| 258 | CGE Cambridge, MD. SQT Melbourne, FL (JL2) |
| 259 | YXR Earlton, ONT Canada (JL2) |
| 260 | PYA Penn Yan, NY. XCB Uni. JH Jackson, MS. YAT Attawapiskat, ONT Canada (JL2) |
| 263 | YGK Kingston, ONT Canada (JL2) |
| 265 | XPZ Winchester, VA (JL2) |
| 267 | RT Uni. YFH Uni (JL2) |
| 269 | URX Bagotville, QUE Canada (JL2) |
| 272 | YQA Muskoka, ONT Canada (JL2) |
| 273 | ZV Sept Iles, QUE Canada (JL2) |
| 275 | SWW Sweetwater, TX. ING Ambler, PA (JL2) |
| 277 | YEL Elliot Lake, ONT Canada. TWT Sturgis, KY (JL2) |
| 278 | NM Matamani, QUE Canada. SB Uni (JL2) |
| 280 | GZV Graford, TX. QX Gander International, NFLD Canada (JL2) |
| 281 | LJK Ashland, VA (JL2) |
| 284 | DTI Unid. PTB Petersburg, VA. (JL2) |
| 287 | MKP McKeesport, PA (JL2) |
| 289 | YLQ La Tuque, QUE Canada (JL2) |
| 290 | OLR Chickasha, OK. TMV Stamford, TX. TVK Centerville, IA. (JL2) |
| 295 | CB Cabo Blanco, Argentina (JL2) |
| 297 | G Galveston, TX (JL2) |
| 303 | YPP Parent, QUE Canada (JL2) |
| 305 | RO Roswell, NM (JL2) |
| 311 | BFQ Brownfield, TX (JL2) |
| 312 | UUU Uni (JL2) |
| 314 | GGU Prague, OK (JL2) |
| 317 | I Montreal/Mirabel International, QUE Canada. R Trenton, QUE Canada. CBW Cumberland, MD (JL2) |
| 318 | HPI Indianapolis, IN (JL2) |
| 320 | CLK Clinton, OK. TY Tyler, TX (JL2) |
| 323 | GTO Georgetown, VA. UWP Argentia, NFLD Canada (JL2) |
| 326 | MA Midland, TX. PKZ Pensacola, FL. PKZ Pensacola, FL. BHF: Freeport/Grand Bahama Is, Bahamas. FC Fredericton, NB Canada. VV: Warton, ONT Canada (JL2) |
| 328 | YHN Horneybay, ONT Canada. BZJ Indiantown Gap, PA (JL2) |
329  CH Charleston, SC. BUY Burlington, NC (JL2)
330  DC Washington, DC. YT Unid. FIS: Key West, FL (JL2)
331  YFM Unid (JL2)
332  YLD Chapleau, ONT Canada. SW Newburgh, NY (JL2)
333  BV Quebec, QUE Canada. FE Unid (JL2)
334  MS New Orleans, LA. LSA Lamesa, TX. DE Unid. ZEM East Main River, QUE Canada (JL2)
335  YY Mont Joli, QUE Canada (JL2)
336  YYU Kapuskasing, ONT Canada. LUJ Big Lake, TX. MTN Baltimore, MD (JL2)
337  CL: Cleveland, OH. GNC: Seminole, TX. JA: Jacksonville, FL (JL2)
338  IA Dulles Airport, VA (JL2)
339  YG Charlottetown, PEI Canada (JL2)
340  APG Aberdeen, MD (JL2)
341  LE Raleigh, NC. RG: Oklahoma City, OK (JL2)
342  YKQ Fort Rupert, QUE Canada (JL2)
343  SI Unid (JL2)
344  AB Ablilene, TX. QG: Windsor, ONT Canada (JL2)
345  SJ San Angelo, TX. YMP Webequie, ONT Canada (JL2)
346  PB West Palm Beach, FL (JL2)
347  SDR Snyder, TX (JL2)
348  RW Andrews AFB/Washington DC. PN Port Menier, QUE Canada (JL2)
349  SB Sudbury, ONT Canada (JL2)
350  RNB Millville, NJ (JL2)
351  FT Ft. worth, TX (JL2)
352  YMW Mantiwaki, QUE Canada (JL2)
353  YMU Unid (JL2)
354  ZQ Muskox, NW Canada (JL2)
355  UCM Camaguey, Cuba. GR Iles-de-la-Madeleine, QUE Canada (JL2)
356  FND Baltimore, MD. GHX Graham, TX. SOA Sonora, TX. FNA Slidell, LA (JL2)
357  2R Tyendinaga Mohawk, ONT Canada (JL2)
358  SA Sable Island, NS Canada (JL2)
359  ZIN Great Inagua, Bermuda (JL2)
360  RJ Roberval, QUE Canada (JL2)
361  BRA Asheville, NC. CM Channel Head, NFLD Canada (JL2)
362  BBD Bradly, TX (JL2)
363  D9 Huntsville, QUE Canada. UPA: Punta Allegre, Cuba. YPL Pickle Lake, ONT Canada (JL2)
364  F8 Victoriaville, QUE Canada (JL2)
365  GAI Gaithersburg, MD. COM Coleman, TX. EMR Augusta, GA. NA Unid (JL2)
366  PV Providenciales, Bahama Islands (JL2)
367  MFF Melfa, VA. AM Tampa, FL (JL2)
368  JT Stephenville, NFLD Canada (JL2)
369  DDP San Juan, Puerto Rico. 3B Brockville, ONT Canada. OO Oshawa, ONT Canada (JL2)
370  ML Charlevoix, QUE Canada (JL2)
371  YB North Bay, ONT Canada (JL2)
372  XEN Xenia, OH (JL2)
373  G: Windsor, ONT Canada. ROB: Waco, TX. NHK: Patuxent River, MD (JL2)
374  LTS: Unid (JL2)
375  IUB: Baltimore, MD. YSL: St. Leonard, NB Canada (JL2)
376  AKL: Haskell, TX. H Montreal/Saint Hubert, QUE Canada (JL2)
377  CTZ: Clinton, NC. VFU Van Wert, OH (JL2)
378  YHD: Dryden, ONT Canada (JL2)
379  BC: Baie Comeau, QUE Canada (JL2)
380  CBC: Anahuauc, TX (JL2)
381  HHG: Huntington, NC (JL2)
382  HQT: Coats, NC. RYS Detroit/Grosse Ile, MI (JL2)
383  GAS: Gallipolis, OH. CFY Lake City, SC (JL2)
384  EF: McKinney, TX (JL2)
385  DX: Unid (JL2)
386  FTP: Fort Payne, AL (JL2)
387  SYW: Greenville, TX. COG Orange, VA. EEJ Sanford, NC (JL2)
388  IIY: Washington, GA (JL2)
389  PPA: Puerto Plata, Dominican Republic (JL2)
390  YWA: Patawawa, ONT Canada (JL2)
391  Pagina 200
ZLS: Stella Maris, Bahamas (JL2)

PX: Berlin, MD (JL2)

ZE 55 0945 1125 CW beacon with sequence: "ZE55------[long dash]------" repeated at approx 10 WPM, 3 repeats each 4 minutes. (RF)

UNID: 2013 CW Calls "PAK8 de FYLQ" "71 20 18 2110 = 268 PAK8 = then SLAG's. (DW)

Numbers station YL/EE repeating Kilo Papa Alpha Two (KPA2) strong, but fighting it out with broadcaster; probably Namibia. (MS2) [Mossad -LOGS]

EHH3: Jezo Barcelona Guardia Civil UTC? CW. EHH3: Guardia Civil Jezo, Barcelona UTC? CW (ANEE)

Unid 1900 USB English #s 1900 (ANEE)

Unid 1900 USB Hebrew (ANEE)

"WOODEK" 1445 USB in Egypt w/"ANOSKJA" (both phonetical). (JJ2)

IRKUTSK TS (RID) 2250 CW Time signals. (DW)

UNID [NIJW] 1345 CW Weak sigs. Opr sigs appear generated via keyboard technology rather than via a key. (DW)

UNID: [S53P] 1536 CW 5009.76. F1a. Call to CRGF & 3LCZ de S53P. Mark on low tone. (DW)

UNID: 1402 CW Tfc (with acc letters) in offline encryption. Circa 28wpm. (DW)

MN GEORGETOWN (9MB) ? 1617 CW Tfc in offline encryption w/SLG's.(CW)

Weewak PNG Telefonim system 0950 USB various callers. Kerema PNG 0950 USB Telefonim (network, usually in Pidgin (AW)


SLHFB [C] 0000 CW Single letter [C] HF beacon - Moscow. (DW)

UNID: 1731 CW Few opr bursts then nil further hrd.. (DW)

Unid 1830 USB unid Arabic net (ANEE)

UNID: 1335 CW High speed (35-37 wpm). SFG's, wkg someone & off w/"ok ar", (DW)

UNID: [FLYQ] 2248 CW Slow hand, SLG's. (DW)

UNID: [PNKU] 1839 CW Calls "KLQG de PNKU k". (DW)

Unid SS net 1303-1312 USB Some kind of mining or transport net. Stns included "Yucatan" "Cordoba" "Etapa" & "China". First two are Mexican place names & propagation would indicate these in Mexico. (DHM)

Moroccan Police USB (ANEE)

UNID: 0014 CW Slow hand keying. Sgl's w/accentuated letters. "qrr3" "rpt k" "zloq de saj1"(7). (DW)

Unid 2316 USB YL Clg out Kilo, Papa, Alpha, Two, KPA2, KPA2 etc. for about 5min, then disappeared. (MZ) [Mossad -LOGS]

5647.5 UNID: [4XML] 0023 CW Calls "v BFR7 de 4XML". Continuously. (DW)

UNID: 0900 USB unid Arabic net (ANEE)

1001.4 UNID: 2013 CW Too weak to determine if standard morse, bad keying or other type of coding. (DW)

Spanish Numbers 0602 AM (5F/w) "Attencion, 68580" until 0603, then into 5F. Note: Right on top of DXing with Cumbre on WHRI (5760). (MF)

5892 Unid 0900 USB unid Arabic net (ANEE)

Christian Radio Missionary Fellowship, Goroka PNG 0900 USB lots of outposts in local language, occasionally the base comes in EE. (Aw)

Unid 1645 LSB Italian, many stations w/talk of Croatia (ANEE)

New Tribes Mission Goroka PNG 0840 USB Base wkg several outposts, this mission is staffed by American volunteers. (Aw)

Unid Spanish Numbers 1509 AM (SS/5F/w) Clg. 0540 Followed by 5F @ 1510. Done by 1520. (MF)

Unid SS tfc 0315 USB w/mention of Colima, a Mexican state. (DHM)

Mexican Business Net 0212-0219 USB SS business comms, talk of personnel matters, bank transactions. One of the two parties was in Tepatitlan, which I located a little east of Guadalajara. (DHM). (DHM)

Moroccan Gendarmeres 0830 USB (ANEE)

Mossad: 1645 USB Mossad #s (ANEE) [probably Mossad CIO2 - LOGS]

Unid: Tripoli-Denmark shipping line 0845 USB (ANEE)

WHX45: FAA, Burlington, Ma 1731 USB Clg KEM-80, FAA HQ, Washington DC, no joy. (RB)

8142 Mossad #s 0700 USB all in Hebrew (ANEE)

8900 Unid: 1815 USB unid clg Dakar, not aero (ANEE)

"The Ticker" 0045 USB w/occasional noise bursts between ticks. (MF)

9052 Unid Moroccan phone 0915 LSB (ANEE)

9101 Unid 0815 USB Poss. Spanish? (ANEE)
Unid 0800 USB Galician (ANEE)

Unid 0800 USB poss Arabic (ANEE)

Unid 1800 USB english #s (ANEE) [probably "Lincolnshire Poacher" -LOGS]

Unid 2127 CW on 10mhz WWV freq, copying a cw station sending "CLS". Also hearing SS on this freq. (RR)

Unid 0850 USB Philippines tfc list, talking about parts he wants. (AW)

Unid 0830 USB Morocco (ANEE)

Unid 1130 USB unid language sounds like aeronautical pp tfc. (ANEE)

Unid 1130 USB Russian (ANEE)

Unid 1630-1640 USB Chinese numbers station, also phonets. (ANEE)

Unid 0908 USB pp, sounded one of the islands, Fiji? (AW)

Unid 1430 USB EE numbers. (ANEE) [probably "Lincolnshire Poacher" -LOGS]

Unid 0845 USB Filipino (ANEE)

Unid 0912 USB Philippines stn, long list. (AW)

Unid 1813 USB w/dpx phone calls in FF (RM)

Unknown station 1230 USB transmitting 'Mary, Susan, ?' (third phonetic unreadable). At 12232z it changed to 'Queen, Robert, ?', at 1233 it changed to 'Mary, Susan, ?', at 1234 it changed to 'Queen, Robert ?'. Transmission ended at 1241. In all cases, the last letter was completely unreadable, or did not seem to be any letter from the alphabet. (GT)

Lincolnshire Poacher 1602 USB (EE/5F/w) Alt. tune on even mins & "53916" on odd mins. Tones @ 1610, then into 5F, ea. code 2x until tones @ 1645, rpt. tune. First logging! (MF)

Remington Numbers 1511 AM (EE/5F/w) //13687.5. Repeat @ 1522. Count 129. Last noted 18 Nov 95. End @ 1534. (MF)

Unid 3551 CW tuned in at end of msg and read: RT ET4 INFO RQ 1/T ET CCC CCC CCCGB7388SK SK GB SK GB SK GB SK GB SK GBSK GBSK. (RM)

Unid 1423 CW w/SFG auto sent at fast speed (RM)

Remington Numbers 1513 AM (EE/5F/w) //11659.0. Repeat @ 1522. Count 129. Last noted 18 Nov 95. End @ 1534. (MF)

Mossad: 1600 USB Mossad numbers, heavy QRM (ANEE)

PLO HQ Tunis, TUN 0900 USB wkg various embassies financial msgs. (ANEE)

PLO HQ Tunis, TUN 0930 USB wkg various embassies, also at 1000. (ANEE)

Unid 1015 USB Morocco (ANEE)

Unid 1500 USB Russian fem op (ANEE)

ATLAS: 1711 USB wkg FLINT 6 (GG) Flint 570 1903 USB clg Atlas for a radio check, no joy, (Flint is a DEA a/c callsign & Atlas is the El Paso C3 Center). (MF2)

Unid 1030 USB EE numbers station 1030-1300 w/new schedule (ANEE) [probably M16, Lincolnshire Poacher -LOGS]

CLP22: Cuban Emb., Hanoi, VTN 1821 CW msgs in SS. (RM)

Unid 1115 USB poss FF UNHCR? Goma, Zaire, very strong. (ANEE) [PTT, Oostende Radio, BEL listed here, no other logs -LOGS]

1624.2 Unid 1423 CW RUS diplo sta. w "etintej_kageets (rptd 4X) etintejx etintejmkageetsmkageets" all rptd until 1427. (RM) [Russian SOUD/ Brotherhood station -LOGS]

17410 Unid 1130 USB EE #s stn (ANEE) [probably a MOSSAD stations -LOGS]

18780 Unid 1130 USB Catalan (ANEE)

18806 Unid 0655 USB pp in a slavonic language, Czeh or Polish? Never heard anything on this frequency before. (AW)

Contributors: (please mail me if you wish added info from that listed)

(AB) Ary Boender, Spykenisse, The Netherlands

(AB2) Art Blair, Orangevale, Ca, USA (by mail): NRD-515, M-7000

(AB3) Andrew Brill, Auckland, New Zealand

(AD) Anthony Drake, Norwich, England: Trio R600

(AM) Alfie MCAfee, UK

(ANEE) Anonymous, Eastern Europe

(AW) Alex Wellner, Sydney, Australia: Kenwood R5000

(BG) Bill G, Sacramento, Ca, USA: Kenwood TS440S

(BH) Bart Hoekstra, Leeuwarden, The Netherlands: Lowe HF-225

(BS) Brian Stevenson, Australia
(BVR) Bert van Rij, Naaldwijk, The Netherlands
(BWS) Brian Wayne Scott, Denton, TX, USA: NRD535D, IC R7100
(CH) Carl Hender; QTH?
(CM) Craig Mackinnon, Halifax, NS, Canada: Yaesu FRG-7
(DD) Dick Dillman, San Francisco, CA, USA: R390A, Alden 517
(DM) David W. Comtile, central UK: Kenwood R3000, Hoka Code3
(DHM) Don Moore, Davenport, Iowa, USA: Drake R8A
(DW) Day Watson, Clevedon, UK
(ED) Ed Deasy, Charrlottville, Va, USA: Hoka Code 3
(ES) Eric Sillick, Toronto, ON, CAN
(EW) Eddy Waters, Collinswood, Australia: NRD 525, R8, Hoka Code 3
(EW2) Edgar White, Oakville, ON, CAN: R5000
(GG) Gary Glaze, Willamette Valley, Or, USA: DX440
(GR) George Reaves; QTH?
(GT) Graham Tanner, London, England
(GH) Howard German; QTH?
(HS) Henk Stelte, Utrecht, Holland
(HW) Hans Wildschut, Zutphen, the Netherlands: Lowe HF225 with 12m wire
(Hw2) Harold Woering, Easthampton, Ma, USA: TS440S
(JC2) Joseph Ciron, Bayonne, NJ, USA
(EB) Jason Berri, Torrance, Ca: R-2000, M-1000
(JG) Jim Gordon, Sw British Columbia, Canada: Yaesu FT-840
(JH) Jeff Haverlah, Houston, TX, USA: R5000/R7/FROG7/RFB65
(JJ) Jeff Jones, Ca, USA
(JL2) Jim Lane, USA
(JM) Jack Metcalfe, Danville, Ky, USA
(JM2) Jim Mc...? QTH?
(JP2) Jacques Pagnoux, France
(KB) Klaus Betke, Northern Germany: Icom R72 & homemade RTTY/FAX decoder
(KM) Ken McLaren, Ottawa, CAN
(KS) Keith Stein, Woodbridge, Va, USA
(Kw2) Ken Windyka, Springfield, Ma, USA: Sony ICF2010
(LB) Linda Brodsky, Malverne, NY, USA: Kenwood R2000, Universal M1000
(MC2) Mark Chinsky, Glenhead, NY, USA: R5000/TS450S-AT/M400/PK232MBX
(MF) Mark Fine, Remington, Va, USA: Drake R8, AEA PK232MSX
(MF2) Mark Fink, S. Florida, USA: SW8
(MS2) Matt Stutterheim, New London, Ct, USA: 2 IC-R-71A's, R7A, R9000
(PM2) Paul McDonough, Somerville, Ma, USA: R8
(PP) Phil Potts, San Diego, Ca, USA
(PT) Peter Thompson, Crewe, Cheshire, UK: Lowe HF225/Universal M-7000
(RA) Rick Albright, Merced Ca, USA: Sony 2010, Realistic DX-440
(RB) Rick "RD" Baker, Austintown, Ohio, USA: Icom R71A, Icom R72, M-1000
(RF) Robert Fehr, St Paul, Mn, USA: Drake R4C
(RM) Robert Margolis, Lake Forest, IL, USA
(RR) Rik Rasmussen, Raleigh, NC, USA: Icom R72
(RR2) Roberto Robba, Italy
(RW) Rob Williams, Sydney, Australia
(SB) Steve Bottom, Cairns, Australia: FRG7700
(SF) Steve Fisher, SE Ohio, USA
(SM) Stuart McMurtrie, Surrey, UK: Racal 1772
(SS) Stan Scalsky, Leonartown, Md, USA: Icom R71A, M7000, Code 3
(TB) Tim Braun, Haymarket, Va, USA: FRG-100
(TO) Tony Orr, Reston, Va, USA: Lowe HF150, Datong FL-2
(TR) Tom Roach, San Jose, Ca, USA: Watkins-Johnson HF-1000, NRD525
(TT) Tim Tyler, ypsilanti, MI, USA: Kenwood R5000, Sony SW55, TS50, AR8000, MVT7100
(WT) Wade Taylor, Glendora, Ca

Abbreviations Used

// Parallel with Frequency pp Phone Patch
5FG's 5 Figure Groups PP Polish language
5LG's 5 Letter Groups R/T Radiotelephone (ship/shore fone)
a/c Aircraft rdo radio
ARP AIREP or Air Report re Reference/Regards
ck Check req Request
cud Could RR Russian language
dep Departed SAR Search & Rescue
dx duplex sta Station

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This newsletter is from the first dedicated electronic utility club in the world; the Worldwide UTE News (WUN). Portions of this newsletter may be posted on electronic bulletin boards without prior approval so long as the WUN is credited as the source and so long as the file(s) remain(s) intact. This newsletter may NOT be utilized, partly or wholly, in any other media format without the written permission of the Editor (E-mail address above). Any breach of this may result in action under international copyright legislation.

To become a WUN member, send e-mail to the WUN listserv at: majordomo@grove.net and in the BODY of the message type: subscribe wun your@own.address

If you have problems in this, or need further information contact Rick Baker at: utelistener@msn.com or ae411@yfn.ysu.edu

That's all it takes. There are no dues. A paper copy of the WUN Club newsletter can be obtained via our WUN publisher, Tim Braun, at WUN International HQ, P.O. Box 16533, Washington D.C. 22041-6533, USA, for the costs of printing & mailing at a rate of U.S.$1.50 per issue.

If you are reading this newsletter from another source, such as a BBS, please let us know!

From your Electronic Editor:
* Welcome to another issue of the single largest source of utility station information and the most widely quoted utility station publication in the world...the WUN Newsletter.

WHAT'S INSIDE:
- Membership News by Mike Wolfson
- International Civil Aero by Tony Orr & Peter Ivakitsch
- Ask WUN! by Colin Goodall
- Digital Review by Ary Boender
- The WUN Military Column by Jim Pogue
- Nautical News by Jim Pogue
- New Products and Reviews by R.D. Baker
- Surfing the Longwaves by George Karayannopoulos
- Utility Round-up by Ary Boender
- The WUN Logs Column by R.D. Baker & Team LOGS

============================================================================
Welcome to the March issue of the WUN Membership News. It's getting a little monotonous, but I have to report again that our membership continues to grow. I know that all this good news is hard to take; we'll just have to get used to it.

When I checked the subscription statistics at the beginning of the month we had 599 people subscribed to the main WUN list, 52 subscribed to the WUN-DIGEST list and 192 signed up for WUNNEWS. Tim Braun is still down with computer problems, so I don't have up to date figures on the number of paper members, but it's in the area of 36. We have 45 members on various BBS's in 4 other countries. That gives us in the area of 925 members!

The WUN membership also was from more countries last month than we've seen in a couple of months. Between the 3 lists, 28 countries were represented. As far as I know, Iceland and Poland had members subscribing for the first time. Welcome.

To help keep track of the countries where we have members, I've created a master database of countries represented on the various lists. Once a country is on the list it will stay there. The countries in the database are: Australia, Belgium, Brazil, Canada, Denmark, Finland, France, Germany, Great Britain, Greece, Iceland, Ireland, Israel, Italy, Japan, Luxembourg, Malaysia, Mexico, Netherlands, New Zealand, Norway, Peru, Poland, Portugal, South Africa, Spain, Sweden, Switzerland, Taiwan, Tunisia, United Kingdom and the United States.

I would like to again thank those of you who have taken the time to respond to the membership survey request.

For anyone who has not sent me their information, but wants to here is how to do it. The database management program I'm using can accept ASCII text. I am requesting that you answer each question on a separate line followed by a carriage return. Please do not include the question itself in the answer, just the information requested.

Here is the survey:

E-Mail Address
Name
Where you're located (state/Province, Country)
Main receiver(s)
Main decoding equipment (HOKA, JVFAX, etc)
Monitoring interests (aero, marine, etc)

===========================================================================

INTERNATIONAL CIVIL AERO

Editor: Tony Orr, 11404 Turnmill Lane, Reston, Va, 22091-3618 USA
  E-mail: anthony.orr@wdn.com or a.camus@ix.netcom.com
  Fidonet: 1:109/236

Co-Editor: Peter Ivakitsch, 4357 Bloor Street West Unit 19, Etobicoke,
  Ontario, CANADA  M9C 2A4 E-mail:peter.ivakitsch@westonia.com
  Fidonet: 1:250/930

With SELCAL WATCH by Vic Gubbins

Welcome back to another edition of International Civil Aero. We start this edition with a look at what ground stations the civil aero DXer can find on that hot African frequency of 8903. We move to Vic's SELCAL WATCH for March, wherein I certainly echo his sentiments regarding contributions, which this month were limited to the ever-faithful Wim de Mol, Steve McDonald, and Hans Wildschut. Please note that International Civil Aero brings you a SELCAL EXCLUSIVE this month with the WORLD PRINT PREMIERE of the first of the NEW Iberia A340 selcals!!! Then, we'll all bring you the latest in AIRLINE NEWS...

EDITORS NOTE: Without your continuing support, this column remains limited to what the three of us can dig up and present to you. Come on, we know there are many lurkers out there hiding in cyberspace reading these lines. What you think may be run-of-the-mill is another DXers prize piece of information. Any comments, suggestions? Anything at all? Won't you consider
contributing your information for next month's column today?

8903 – A Hotbed of African Civil Aero DX Activity
For the adventurous civil aero DXer, there are probably a few favorite haunts
that come to mind. Perhaps it is monitoring South East Asian traffic on
8942, or keeping tabs on flights within the South Pacific on 8867. But for
my money, there's nothing like the exciting variety of ground stations and
traffic to be found on 8903, home to an exotic selection of ground stations
across the Central part of the African continent. And the best thing about
8903 is that you never know what propagation will bring you on any given day.
One day you can hear Luanda Radio ANGOLA like it was transmitting from next
door, the next it will be unreadable with another station taking it's place.
You may hear a station like Maiduguri only once, never to be heard from
again. There are also some other little problems to deal with, such as the
preponderance of French to be heard from stations such as Brazzaville CONGO,
Kinshasa ZAIRE, N'Djamena CHAD, Niamey NIGER, and Libreville GABON, or
Portuguese in use with Luanda Radio... But with a little practice and a
dictionary by your side, you too can easily begin to decipher these
transmissions after a few sessions. Another difficulty is the condition of
some of the ground station's transmitting and receiving equipment. Some of
the transmitters on 8903 date back to the European colonial era, and are kept
afloat by a series of quick fixes with tight budget constraints, and this
often makes for very poor quality trans-
misions from some of the ground stations, and for very difficult readability
for the aircraft flying overhead! It is standard practice for flights to
maintain constant guard on the VHF air-to-air frequency in order to
compliment air traffic control from the HF ground stations.

Here is a list of all monitored ground stations monitored since November,
1993 in Reston:
Accra Radio GHANA
Bangui Radio REPUBLIQUE CENTRAFRICAINE
Brazzaville Radio CONGO (sometimes IDs as "Brazza")
Douala Radio CAMEROUN
Garoua Radio CAMEROUN
Gbadolite Radio ZAIRE (sometimes IDs as "Gbado")
Goma Radio ZAIRE
Johannesburg Radio SOUTH AFRICA (heard only once in early 1995 testing)
Kano Radio NIGERIA
Kinshasa Radio ZAIRE (sometimes IDs as "Kin")
Kisangani Radio ZAIRE
Lagos Radio NIGERIA
Libreville Radio GABON
Luanda Radio ANGOLA
Lubumbashi Radio ZAIRE (sometimes IDs as "Lubum")
Maiduguri Radio NIGERIA
N'Djamena Radio CHAD
Niamey Radio NIGER

We would certainly welcome any recent loggings as additions to this list.
So, by all means, fire up the radio, sit back, and enjoy what may be the most
thrilling frequency for civil aero DX. Good luck!

SELCAL WATCH –by Vic Gubbins
Hello again WUNners – before I start this month's section for real I'd just
like to complain about the lack of information that's being sent to me
regarding new selcals etc. I agreed to do this section so as to help my
buddy Tony out with the workload and also to get feedback and new selcals
for my own collection which so far hasn't happened. This is annoying me to
the extent that I am debating whether to keep this part of Civil Aero
going. So, if you would like this section to continue then I ask you to
send in ANY selcal changes to me so I at least feel of some use to someone!

Tie-ups for February (requested by J.P. Sarti, Wim de Mol, Fenton Cheddary)
BF-MP USA B767 N654US
CQ-MP AAL B757 N602AN
CM-BD WOA DC10 N117WA
CS-HP AEL B767 EI-CJA JS-HP INCORRECT

Pagina 206
WUN-v02

DH-BC
LDI
B767
OE-LAT

DJ-AL
TWA
B767
N604TW

FM-CG
TEJ
A300
XA-SYG

FM-KS
JEX
A320
N303ML

GS-JQ
AIC
A310
C-GCIL

(HL a/c)

H3-AB
XXX
DC10
00-JOT

CHALLENGE AIR

HR-KQ
FUA
B737
EC-EXY

HS-FM
TAP
A340
CS-TOB
(from monitoring 3/20/96)

HS-FP
TAP
A340
CS-TOD

JM-BE
AMT
B727
N762AT

QR-BH
XXX
DA90
A7-AAE
QATAR GOVT.

New selcals (A big thanks to Fenton Cheddary, Sir Thompsons Gazelle, T.M. Himself, DH, Big Mags, T.King, Allan Mckenzie and Me) NB - This section was meant to contain new biz-jet selcals but I didn't receive any so there is none this month!

AB-CH
AIC
L101
V2-LEJ

AD-EG
ITF
A300
F-BVGD

AK-EL
RCN
B707
SN-EEO

AR-CH
SMK
FK10
PK-JGH

BD-GH
???
B737
RPC1938

BE-CF
NWT
L382
C-GHPW

BJ-AM
EWK
DC8
N8091U

CD-BF
ITF
A300
F-BVGE

CH-LM
LIB
DC10
N345HC

CJ-ER
BER
B737
D-ABAE

CK-EM
SAA
B747
2S-SAC

DE-AB
TWE
MD80
SE-DRU

DJ-RS
IBE
A340
EC-154

(note: now operating IB6250 JFK-MAD)

EG-BL
OMG
B707
EL-AKJ

EJ-DG
RJA
B707
JY-AJ0

EL-AB
RJA
B707
JY-AJN

EQ-HS
RAM
B737
CN-RNC

EQ-JK
RAM
B737
CN-RND

FG-MR
FXD
A300
N664FE

FJ-MR
KAC
B747
9K-ADE

FQ-JR
MSR
A340
A40-LE

FM-JR
JEX
A320
N300ML

FM-JS
JEX
A320
N301ML

FM-KR
JEX
A320
N302ML

JG-GH
MON
DC10
G-DMCA

JR-GP
TYR
CL65
OE-LCG

GR-LM
LTU
A330
D-AERF

GR-LQ
LTU
A330
D-AERH

LQ-AG
UGA
B737
5X-USM

UGANDA AIRLINES

LR-EG
EWK
DC8
N8974U

RE-SELCAL (N308GB INCORRECT)

LR-JP
AZA
B767
G-01TF

LS-CR
AED
B737
EC-FJZ

And that's all!! ANY NEWS to me c/o the address above and stop making me do all the work! Until next month, happy hunting!

5670 UPDATE AND OTHER HOT DX NEWS

In two recent loggings posted to the WUN list, DXers Hans Wildschut and Steve McDonald have both reported hearing Medan Radio INDONESIA operating on 5670. Medan had not been previously reported operating here, Hans logged them at 2105 with alternate frequency of 3470 mentioned from his listening post in Zutphen, The Netherlands. Steve logged them from his DX retreat in British Columbia at 1600 UTC. A so far UNID LDOC has been noted here in Reston on 6646 transmitting in Quebecois-accented French. I have not been able to spend much time lately monitoring this frequency so if anyone can step forward with information please do let us know. Miami Radio LDOC on 8095 and especially 6637 has been very hot as of late, with a juicy selection of cargo and charter operators logged during the past months. Some of the airlines heard are Fast Air Cargo, Fine Air Cargo, Transcolombia, Amerijet, Miami Air, and Challenge Air Cargo to name but a few. To log those DC8F and 707Fs, try this channel soon! Finally, Sanaa and Mogadishu Radios have been heard in the 2300-0100 UTC time slot on 7595.

Pagina 207
AIRLINE NEWS

According to a recent QSL received from EXCALIBUR AIRLINES, they will be disposing of their A320s very shortly and replacing them with DC10-30 equipment to undertake Transatlantic charters to Orlando, Los Angeles, and San Francisco.

MONARCH has also added a DC10-30 to its fleet for Transatlantic charters, reported to be ex-Zambia Airlines registered G-DMCA msn 48266. AIR LIBERTE of France is still operating scheduled A300 service from Paris-Orly to Montreal-Mirabel on Fridays and Saturdays:

VD990 ORY-YMX  dep 1325 arr 1415 on Fridays
VD990 ORY-YMX  dep 1425 arr 1515 on Saturdays
VD991 YMX-ORY  dep 1615 arr 0615+1 on Fridays
VD991 YMX-ORY  dep 1645 arr 0645+1 on Saturdays

And a special A310 flight on 31 March:  VD980 YMX-ORY dep 2005 arr 1005+1.

Speaking of DC10-30's, IBERIA has begun replacing its ageing fleet of 10's with Airbus A340's, the first of which has begun operating the Madrid-New York JFK flights, IB6251 and 6250. From monitoring in Reston on March 21, I can confirm this new service. Look for more and more DC10-30's to be retired by the end of this year...Here's the schedule for those new SWISSAIR A310 EWR-ZRH flights:  SR104 ZRH-EWR dep 1925 arr 2120 daily effective 31 March, and SR105 EWR-ZRH dep 2250 arr 1340+1 effective 30 March. ARLANKA should have begun Colombo-Johannesburg A340 service by the time you read this.

UL702 operates on Tuesdays and Fridays nonstop departing JNB 0940 and arriving Colombo 2225 on Tuesdays, effective 2 April, and dep JNB 1825 arr CMB 0710+1 on Fridays, effective 5 April. UL701 operates via Durban Tuesdays/Fridays departing Colombo at 0100 arriving Durban's Louis Botha Airport at 0555 on Tuesdays, and on Fridays the flight departs CMB at 0945 arriving Durban 1440, with continuing service to JNB.

And finally, one civil airliner which still attracts attention wherever it flies is the Concorde! This month, we'll detail for you, the WUN civil aero enthusiast, the latest AIR FRANCE and BRITISH AIRWAYS SSC schedules effective 31 March:

**AIR FRANCE**
AF001 JFK-CDG  dep 0800 arr 1845 daily
AF002 CDG-JFK  dep 1100 arr 0745 daily

**BRITISH AIRWAYS**
BA001 LHR-JFK  dep 1030 arr 0820 daily
BA002 JFK-LHR  dep 0745 arr 1725 daily
BA003 LHR-JFK  dep 1900 arr 1650 x56
BA004 JFK-LHR  dep 1245 arr 2225 x56
BA273 LHR-BGI  dep 0930 arr 0845 47
BA272 BGI-LHR  dep 1230 arr 2145 47

That wraps it up for yet another edition of International Civil Aero. Please take note of Peter's new address, and let's have those contributions fill our e-mail boxes and letter boxes to the brim for next month! From all of us at the International Civil Aero team, 73 and good DX!
1. FOLLOW UP TO PREVIOUS NEWSLETTERS

FROM: Jacques Pagnoux <pagn1096@EuroBretagne.FR>
Subject: Inmarsat

Dear Colin,

The latest issue of the WUN newsletter mentions your queries as well as Alfie's for building an Inmarsat receive system. I have some info about this, as I intended to build one last year. Only personal commitments prevented me from doing so, but you can build a complete system if you get the proper parts from the USA, which would be the easiest solution. (but you could do everything by yourself if you preferred, the only tricky part is the 1500Mhz preamp) One person to contact is John Lee Wilson, 6413 Bull Hill Road, Prince George, Va, 23875(tel:804-862-1262). He is an Inmarsat specialist and a very nice person, he also sells everything you need to build a receive system, from A to Z.

He wrote two excellent articles on the subject in Monitoring Times (in 1994 I think, you can check at grove.net), and he sent me copies of these articles with plans, diagrams, photos and specifications. The price of the system is around $300. I hope this will help you. By the way, I'm looking for a good list of military selcals, British and others, if you know of any.

Thank you Jacques for this very interesting reply. Can someone supply the SELCAL list to Jacques?

FROM: "rsfbmja@mail.opm.gov" <MIKE AGNER>

In Guy's unid text broadcast in the 2/96 WUN, there are several clues here:

a. The pattern of the letter groups tends to suggest that this might be a Slavic type language. Perhaps Czech or Russian? Definitely not Polish as the pattern of words is not readable (Polish has a definite read to it)
b. Evidently this is a simplex circuit of some kind, as the signal drops out and someone replies 'OK' on the same frequency.
c. The settings and mode on his terminal unit are correct; notice the many uses of 'ok' as well as the abbreviations 'gb' (=good bye?), 'ok' and 73/88 at the end of the text.

While the frequency doesn't strike me as familiar, perhaps this is an Eastern European broadcast. It wouldn't surprise me to think this might even be Hungarian, but that is just a wild guess. Definitely not encrypted- at least not in the way we think of it.

Thanks Mike, any other comments from readers? (Ed)

FROM: pcrabill@visuallink.com (Perry Crabill).
Winchester, VA USA Thursday, March 7, 1996 0345 EST (?)

Jeff Williams' problem as outlined in the February WUN Newsletter is very likely not in his electric meter; it is probably external to his house, and is being conducted up to the meter over the power line.

The meter has both series and shunt coils as part of the power measuring arrangement and the series coil can be expected to act as an rf choke and somewhat reduce the amount of noise detected at the house wiring outlets. I doubt that shielding the meter would mitigate his problem in any way.

It would be helpful to know more about the frequency range covered by the noise and a more detailed description of its nature; also, whether it varies with time of day, etc. Many household electronics devices now depend on semiconductor circuitry for their operation and radiate interference over a wide range of frequencies. Some examples are plug-in automatic night lights controlled by an electric eye, floor or table lamps with touch controls, wall switch dimmers for lighting and timers for controlling exterior lighting.

A surprising source of interference may be radiated from certain TVs and VCRs and other equipment while they are TURNED OFF! This occurs in units that include remote control features, where the power supply has to remain on to enable the remote control circuitry. The switching power supply used has
an operating frequency in the range of 30 to 40 kHz and generates buzzy harmonic signals through the LF and broadcast bands well up into the short wave spectrum.

I investigated such interference in my own house several years ago. My articles about it were published in THE LOWDOWN by the Long Wave Club of America, in DX NEWS by the National Radio Club and in QST by ARRL. I will be happy to mail Jeff a copy if he sends his address via e-mail to prabill@visuallink.com.

If Jeff has not already done so, he should verify that none of the interference originates in his house. He should observe the noise at the meter while someone pulls the main fuse or breaker. If there is little or no change, the source is definitely external.

If it appears to be inside, each branch circuit fuse or breaker should be pulled to isolate the source. Each appliance or device should unplugged, one at a time, to identify the culprit.

Jeff may wish to obtain a copy of the Interference Handbook, by William R. Nelson, a former RFI investigator for the Southern California Edison Company, published by Radio Publications, Inc. I once loaned my copy to the local electric utility, and they kept it for six months.

Thanks Perry for this valuable advice. We can all use this information at some time in our hobby. (Ed).

2. TOP 10 FREQUENCIES
************************

Following the request last month from Steve Kursterer for a selection of favorite frequencies here are some top frequencies sent to the list:-

FROM: Bart.Hoekstra@hcc-lwd.idn.nl
I think this is a very good idea! So a public answer. I listen to AERO comms mostly (QTH is Leeuwarden, The Netherlands). Most of these freqs should be active in the US:

<table>
<thead>
<tr>
<th>AERO CIVIL</th>
<th>AERO MIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>3016</td>
<td>11175</td>
</tr>
<tr>
<td>5550</td>
<td>6739</td>
</tr>
<tr>
<td>5598</td>
<td>8992</td>
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<td>8846</td>
<td>8968</td>
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<td>8906</td>
<td>11244</td>
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<td>11396</td>
<td>15016</td>
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<td></td>
<td>13200</td>
</tr>
</tbody>
</table>

The Mil freqs are all GHFS (Global High Frequency System), the USAF HF communication net. The Civil ones are for New York ATC, traffic control over the Atlantic Ocean.

FROM: "Craig J. MacKinnon" <aa453@ccn.cs.dal.ca>
These are my contribution to a "favorite frequency list". Hope these are helpful...

2182 - Maritime HF calling and distress
2749 - Halifax Coast Guard Radio
5680 - U.K. and European SAR Ops
5696 - U.S. Coast Guard (air-ground)
6683 - Andrews AFB VIP Comms
6694 - Halifax Military
8983 - U.S. Coast Guard (air-ground)
8989 - Trenton Military
9006 - Trenton Military
11175 - U.S. Air Force GHFS
11232 - Trenton Military

(There's actually 11 in that list - Ed)

FROM: anthony.orr@wdn.com
In response to the request for details regarding my list of ten favorite frequencies to monitor, here are ten of my fave raves with details.

1.  8903 AFIh4 MWARA (Civil Aero)
2.  5598 NAThA MWARA (Civil Aero)
3.  5649 NAThC MWARA (Civil Aero)
4.  6535 SATh1 MWARA (Civil Aero)
5.  5574 CEP-1/2 MWARA (Civil Aero)
6.  6637 US-LDOC (Civil Aero)
7.  8879 NAThC and INOh1 MWARAS (Civil Aero)
8.  11175 US-USAF GHFS (Military Aero)
9.  6649 SAM-NW MWARA (Civil Aero)
10. 5658 AFI-3 and MID-2 MWARA (Civil Aero)

And why not include 11-20?

11.  5541 EUR-LDOC (Civil Aero)
12.  5532 EUR and AFI-LDOC (Civil Aero)
13.  5535 EUR and SAM-LDOC (Civil Aero)
14.  8894 AFI-2 MWARA (Civil Aero)
15.  5634 INO-1 MWARA (Civil Aero)
16.  5643 SP-6/7 MWARA (Civil Aero)
17.  8867 SP-6/7 MWARA (Civil Aero)
18.  5628 NP-3/4 MWARA (Civil Aero)
19.  8942 SEA-2 MWARA (Civil Aero)
20.  8855 SAM-C, NE, SE MWARA (Civil Aero)

For those of you with World Wide Web access, check the WUN Home Page for my list of ICAO MWARA frequencies at URL http://cellini/leonardo.net:80/berri/wun or check out WUN member Hans Wildschut's excellent Web Page with a very detailed list of MWARA frequencies, including many regional or RDARA freq families at http://web.inter.nl.net/hcc/hans.wildschut/

To round off this feature for this month, here are my own top frequencies; these are WX Fax and RTTY Meteo. (Ed).

**WX FAX**

1.  Bracknell   2618.5  4610  8040  14436
2.  Offenbach   117.4  134.2
3.  Hamburg     3855  7880  13882.5
4.  RN London   2374  3652  4307  6452.5  8331.5
5.  USN Rota    4623  5864.5  9373  11485
6.  Madrid      3650  6918.5  10250
7.  Rome        4777.5  8146.6  13597.4
8.  Croughton   4757  7625

**RTTY METEO**

1.  Bracknell   4489  6835  10551.3
2.  Rome        3172.5  5887.5  11453
3.  Sofia       4813  11063
4.  Hamburg     4583  7646  11638

**FOR SALE**

FROM: Harold Woering
Harold writes to say he has PopComms mags from 1985 to 1995 for sale. The only cost is for shipping. Harold is prepared to send them UPS COD from the east coast of the U.S.
First come first served. Send your request to: hwoering@springboard.com

FROM: James Kilgallen 73024.205@compuserve.com
I would like it if you'd pass on the following items for sale:
MFJ-959b preamp antenna tuner US$40, Ameco PT-3 preamp antenna tuner US$45, Optoelectronics Scout 40 US$400, Optoelectronics CX12 computer interface US$30. All items OBO with manuals and in excellent condition. My address is Pagina 211
James Kilgallen, PSC #818, Box 755, FPO AE 09644-1000. First money order on its way confirmed by e-mail wins each item.

4. HELP WANTED
*******************

FROM: David Feustel  (feustel@netcom.com)
Subject: HOKA Software

I'm a brand new short wave listener eager to get into HF/VHF/UHF multimode utility station monitoring. I'm looking for opinions on HOKA Code 3 multimode decoder hardware/software and also on the relative merits of the ICOM 7100-12 vs the AOR AR5000 VHF/UHF receivers. Do you have any information and/or opinions about these products or others that I may not be aware of? I'm also wondering how much of the traffic being reported on the WUN mailing list I should expect to be able to copy from my location with my equipment. I live in Fort Wayne, Indiana (central United States). I'm using an NRC 535Db with (for the moment) an indoor long wire antenna.

Dave Feustel N9MYI, Fort Wayne, IN, 219-483-1857

Well I for one use HOKA Code 3 and have found it to be brilliant. I use it with my AOR 3000A and a TANDON 286. I can recommend it without reservation. Anyone out there with other views? As to David's other question, you may want to check the contributors location for posts over WUN and in the Newsletter at the end of the logs area for those in the approximate area. These logs you can be pretty sure of. (Ed).

+++++++++++++++++++++++++++++++++++++++++++++++++++++

FROM: Matt Hassock <101534.226@compuserve.com>

I'm trying to monitor frequencies, for instance 4742 and 6739, unattended by recording to hard disk using a WAV editor. I set up the recording at a low bit rate and can record a few hours while at work or asleep and can later sort out the chat from the noise on-screen. Its been fairly successful up to now, but I recently upgraded to a 32 bit Ensoniq card and a bigger HD. The software that comes with it, Voyetra WinDAT, has a bug that causes it to crash after 99min59s, so its pretty useless.

Do you, or anyWUN know if there's some S/W out there that will run 32 bit Sound Blaster compatibles for at least 10 Hours? Voyetra helpfully suggested that I buy their new $100 wave editor as they weren't going to fix the old one. Matt

Well readers, can we help? (Ed)
+++++++++++++++++++++++++++++++++++++++++++++++++++++

FROM: Takashi Kuroda <tkuroda@ppp.bekkoame.or.jp>
Re: Racal RA3791 DSP receiver

Does anybody use the RACAL RA3791 DSP receiver? What is the performance? Appreciate any information on this receiver.

Regards,
Name : Takashi Kuroda
Location : Tokyo, Japan
Tel & Fax : +81-3-3880-6561
E-mail : tkuroda@ppp.bekkoame.or.jp
Niftyvan ID : GHB00224

Again readers, can we assist here? (Ed)
+++++++++++++++++++++++++++

FROM: Stuart McMurtrie <smcmurtrie@uk.b-r.com>

When on vacation in Portugal I visited Cape St Vincent (It's the most south western point of Portugal, on the Atlantic coast). Right on the cliffs I noticed a large HF antenna & close by a building with lots of HF noises coming from it.

Has anyone any idea what this? Stuart.

Someone in Portugal to go and have a look perhaps? (Ed)

Pagina 212
From: Klaus Betke <KLAUS@aku.physik.uni-oldenburg.de>
Subject: [WUN] Time signals on 25 kHz

Longwave surfers probably know the time signal stations on 25 kHz located in Russia and other CIS states. In 1991 I got a booklet from the "National Scientific and Research Institute for Physical, Technical and Radiotechnical Measurements - VNIIFTRI" of the former USSR. This booklet lists the following stations (which can also be found in some other publications):

UNW3      Molodecno, BLR
UPD8      Arkhangelsk, RUS
UQC3      Khabarovsk, RUS
USB2      Frunze, KGZ
UTR3      Gorki, RUS

However, these calls are no longer valid, schedules have changed several times in recent years, and there are different schedules for summer and winter. Each station transmits two to three times a day. The general program scheme is as follows (there are minor differences between the individual stations):

<table>
<thead>
<tr>
<th>Time</th>
<th>Frequency</th>
<th>Transmission</th>
</tr>
</thead>
<tbody>
<tr>
<td>xx06-xx07</td>
<td>25.0 kHz</td>
<td>morse id</td>
</tr>
<tr>
<td>xx07-xx10</td>
<td>25.0 kHz</td>
<td>unmodulated carrier</td>
</tr>
<tr>
<td>xx10-xx13</td>
<td>25.0 kHz</td>
<td>40 Hz pulses</td>
</tr>
<tr>
<td>xx13-xx22</td>
<td>25.0 kHz</td>
<td>10 Hz, 1 Hz, 1/10 Hz, 1/60 Hz pulses</td>
</tr>
<tr>
<td>xx22-xx25</td>
<td>25.0 kHz</td>
<td>40 Hz pulses</td>
</tr>
<tr>
<td>xx27-xx30</td>
<td>25.1 kHz</td>
<td>unmodulated carrier</td>
</tr>
<tr>
<td>xx32-xx35</td>
<td>25.5 kHz</td>
<td>unmodulated carrier</td>
</tr>
<tr>
<td>xx38-xx41</td>
<td>23.0 kHz</td>
<td>unmodulated carrier</td>
</tr>
<tr>
<td>xx44-xx47</td>
<td>20.5 kHz</td>
<td>unmodulated carrier</td>
</tr>
</tbody>
</table>

In January and February 1996 I observed this schedule:

<table>
<thead>
<tr>
<th>Call</th>
<th>Transmission starts at</th>
</tr>
</thead>
<tbody>
<tr>
<td>RJJ63</td>
<td>0906, 1706</td>
</tr>
<tr>
<td>RJJ66</td>
<td>0406, 1606</td>
</tr>
<tr>
<td>RJJ69</td>
<td>0706, 1306</td>
</tr>
<tr>
<td>RJJ77</td>
<td>1106, 2106</td>
</tr>
<tr>
<td>RJJ99</td>
<td>0506, 1906</td>
</tr>
</tbody>
</table>

Three questions are on my mind. 1. Who knows the locations for the above call signs? Signal strength and DF indicates that RJJ63 is Molodecno and RJJ77 is Arkhangelsk; RJJ66 seems to be a new station. 2. Who can correct or complete the above schedule? 3. What are these signals good for? They are not very useful as a general purpose time and frequency standard, due to their bizarre schedule. Any information will be highly appreciated! 73, Klaus

FROM: David Wells <david@excess.demon.co.uk>
Subject: SONY SW100

Colin Good Evening, (well it was when I received this - Ed)

I hope this is coming to the correct WUN Column Editor. (Yes it is)

I have a Sony SW100 World Band Radio. It is an excellent piece of kit, I use it worldwide on my business trips and holiday breaks to monitor the H.F. Bands.

It is just out of warranty and I have a problem with it. Started as intermittent but now totally U/S. Initially stopped working (no audio and loss of freq display) when top hinged lid or cover was moved towards the closed position. Suspect problem with the Ribbon Cable connecting lid/cover to main unit. I am hoping Sony will accommodate a "Goodwill" repair/replacement. Has anyone out in WUN LAND got one of these radio's and suffered a like problem? What was the cause/fix? Many Thanks and Best
Regards. DAVID WELLS, Crowborough East Sussex U.K.

Anybody got a similar radio? If so any probs yet? (Ed)

++++++++++++++++

FROM: Jacques Pagnoux  (pagn1096@EuroBretagne.FR)

Dear Colin,

I have a question for any WUN member; I would like to know about ANDVT.
There are numerous references to this in the list and I assume it is some form of encryption. What I would like to know is: what is it really, the methods used and the type of aircraft or units that use the system.

Thanks and Au revoir, Jacques. West of France.

Anyone care to reveal all? (Ed)

And with that it brings us to the end of another program, let's have your comments/questions and hopefully someone will provide all the answers......

Till next time,
Colin.

============================================================================

Because of the enthusiastic reactions with regards to the 'DIPLO CORNER', I decided to do a diplo special about Bulgaria and Roumania this month. I am grateful to all members who sent material but wanna remain anonymous and my special thanks goes to Day Watson for his excellent reports and Roberto Robba for his many logs and sample messages.

Both Bulgaria and Roumania run extensive networks of diplo stations on numerous frequencies and both countries are fairly easy to catch. This makes them also interesting for the less experienced digital monitor. Next month I'd like to focus on the Far Eastern countries and Australia. I sure can use loggings, skeds and sample messages from those countries. Dxers from that part of the world are invited to help me a bit with this.

Diplo corner

Norwegian update: MFA Oslo uses the NTA-transmitter site in Jeloy/Ski for its comms. A landline connects Oslo with Jeloy.

SOUD update:

- A new link has been copied on 14473.88 kHz, SOUD Moscow, link id 90039, txm mode Crowd36 at 12.07 UTC.
- Guy Denman heard on 10482 kHz at 08.45 UTC on link 80061 transmission to VNB. Digit '3' as last figure of last group in the header is being used all the time now. He also copied at 09.10 UTC on 17474 kHz, link 10163. This one has not been reported for the past 6 months. This link was active in 1994/early '95 but had no fixed sked.
- Edgar White writes that he noticed an odd thing:

```
11144 00139 80697 20152 00809
ZJAXH IQXTN HOXQX ORDIN QEGLE XGAUE RZJSY MJMAH THLDP RYKES
<clip clip clip>
EDJTH LDNSR WCGOY MUSKH SKCGG YMXNC ISBBJ QYRRQ IPOWW
11177 00139 26760 19150 00809
ZJAXH IQXTN HOXQX ORDIN QEGLE XGAUE RZJSY MJMAH THLDP RYKES
<clip clip clip>
EDJTH LDNSR WCGOY MUSKH SKCGG YMXNC ISBBJ WQQLR IPOWW
''Message 19150 was first sent to WNY on 19 Dec., then both appeared Pagina 214```
together on 20 Dec. and message 20152 was re-sent on 21 Dec. Groups 1/77 of both messages are identical, which would seem to indicate that these contain the real cipher text, which would agree with the encoded count contained in group 79. I wonder then if both group 78 and pmbl group 3 are used to derive the cipher key?"

It is possible Edgar. Except for the date and cypher group 3 nothing else changed, so I guess group 78 has either a connection with group 3, the date or both.

o Stan Scalsky noted a new sked for the txm to KAC: 2030-2100 UTC

Bulgarian diplo

Embassy callsigns have three possible formats for on-air use:
1) ITU callsign eg "CUJ494" for Lisbon
2) The internal callsign of 3 letters eg "AGA" for Den Haag
3) The legitimate embassy callsign eg LZB6 for Kabul

Logged frequencies:

<table>
<thead>
<tr>
<th>Frequency</th>
<th>Frequency</th>
<th>Frequency</th>
<th>Frequency</th>
<th>Frequency</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>4806</td>
<td>5195</td>
<td>5355</td>
<td>5433</td>
<td>5825</td>
<td>5864</td>
</tr>
<tr>
<td>7410</td>
<td>8068</td>
<td>8099.5</td>
<td>8162</td>
<td>10145</td>
<td>10154</td>
</tr>
<tr>
<td>11026</td>
<td>11064</td>
<td>11163</td>
<td>11164</td>
<td>11625</td>
<td>11684</td>
</tr>
<tr>
<td>12114</td>
<td>12124</td>
<td>12134</td>
<td>12138</td>
<td>12153</td>
<td>12161</td>
</tr>
<tr>
<td>12190</td>
<td>12190.3</td>
<td>12217</td>
<td>12223</td>
<td>12227</td>
<td>13413</td>
</tr>
<tr>
<td>13924</td>
<td>13938</td>
<td>14376</td>
<td>14377</td>
<td>14380</td>
<td>14387</td>
</tr>
<tr>
<td>14426</td>
<td>14433</td>
<td>14990</td>
<td>16015.7</td>
<td>16017.7</td>
<td>16025</td>
</tr>
<tr>
<td>16048</td>
<td>16105</td>
<td>16120</td>
<td>16336</td>
<td>16354</td>
<td>17421</td>
</tr>
<tr>
<td>18045</td>
<td>18520</td>
<td>19160</td>
<td>20040</td>
<td>20359</td>
<td></td>
</tr>
</tbody>
</table>

Reported frequencies:

Pagina 215
Operating notes

---

- Links are established in RTTY 75/R/500. Operator chats are also in RTTY. The network also uses an ASCII-based full-duplex ARQ (IRA-ARQ) system speeds 75-1200bd, 11 bit per character. However 10 bit variants have been reported.

- Transmission modes used:
  - ITA2 75bd/500 shift
  - ITA2 150bd/500 shift
  - Sitori-A 100bd
  - CW
  - F1B: 75/100/120/150/160/180/192/210.23/240/270.44/272.74/300/600/800/1200

- The callup procedure is as follows: 'sob sob sob ryryryryryryry' is the callup tape for the embassy in Bucharest. Most of the time the transmitting station will change the txm mode after the link has been established. A 'DOR' callup, 'dor dor dor ryryryryryryryry' is a collective call from MFA Sofia (DOR) to all stations.

- Addressing in the clear.

- Encrypted tfc in three fig groups, in five fig groups and five letter groups. Double line feed every five lines.

- On-line encrypted msgs start with long line of "dddddddd"

- Lots of Z-codes are being used, also some Q-codes noted.

- Dictionary of frequently used words:

<table>
<thead>
<tr>
<th>English</th>
<th>Bulgarian</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anglianski</td>
<td>Braskel</td>
</tr>
<tr>
<td>Bwlgariy</td>
<td>Brussels</td>
</tr>
<tr>
<td>Niu #ork</td>
<td>Vaxington</td>
</tr>
<tr>
<td>Viena</td>
<td>wc</td>
</tr>
<tr>
<td>Generalniy</td>
<td>informaciy</td>
</tr>
<tr>
<td>Godina</td>
<td>Republika</td>
</tr>
<tr>
<td>Republika</td>
<td>vr38</td>
</tr>
<tr>
<td>za</td>
<td>Mart</td>
</tr>
<tr>
<td>to</td>
<td>March</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Sample messages:

---

Operator chats:

GAT BK GM ZOK ZNN K
(to GAT: break goodmorning we are rcvng ok all clear for tfc K)
GAT TKS ZNN GB SK @@@
(to GAT: thanks all clear for tfc goodbye cu nxt sked signoff)

Msg headers:

za Braskel nr 430 dumi 1500 ekstrena
(to Brussels msg in p/l Bulgarian)
za Viena nr 50347 vr38
(to Vienna offline encrypted msg with 38 groups)
za informaciy nr 03762 dumi 1639
(thereafter followed a long (1639 words?) message in English similar press summary (informaciy?))

Pagina 216
Example #1 - Online encrypted traffic with header in clear
za tripoli nr 00257/56142 gr 101 ekstrena
ddddddddddaddddddddddaddddddddoxzo
iwbwajhuminicxo u
xrmnvoygevrtw%-%22% uesvcyqrxi13@4%)-4'17 )3&67.
s%(=2/5-2,9,77#7=%:
%( ifbmgb,=,,6%75&/9+21,24264),719)2)dddddddddadddddddddd
ok tks znn zap 1 ok r tks zap 1 gb sk@

Example #2 - Sample of opr chat and encrypted tfc.
aa ??
om zoh nev nv
et past zst
et aa infoto
cccc
za 4 posta:
delhi, kiev, havana, harare
nr 94194 gr 37
70960 36748 86466 47858 08477 79957 74565 25303 09652 47323
18796 17412 94595 62755 63155 62017 10431 23002
28465 18022 61180 77491 70479 20578 50161 74366 82570 74760
46744 32236 55048 37281 53934 58611 16434 ...ar

Example #3 - Sample of message in Bulgarian
za informaciy nr 05005 dumi 1928
svetoven pregled
i. balkanite

Example #4 - Sample of a sked announcement by DOR
ryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryry
ryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryry
ryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryry
dr om,s today dor vork fm zal 16021 sur 19360 et 12115 sur zal 12134
dr om,s today dor vork fm zal 16021 sur 19360 et 12115 sur zal 12134

Pagina 217
Reported callsigns/selcals for parent MFA/Embassies:

CMR342        Havana
KNY25         Washington
ONN33         Brussels
TUR19         Abidjan

YPM V5G MFA Bucharest
YPM21         Stockholm

P6R Unid
U5K Unid
P1K Unid

Outstations referred to as P9 P11 etc

Logged frequencies:

<table>
<thead>
<tr>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>8023</td>
</tr>
<tr>
<td>8025</td>
</tr>
<tr>
<td>8028</td>
</tr>
<tr>
<td>8084</td>
</tr>
<tr>
<td>9103</td>
</tr>
<tr>
<td>9104.2</td>
</tr>
<tr>
<td>9207</td>
</tr>
<tr>
<td>10444</td>
</tr>
<tr>
<td>10480</td>
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<td>10485</td>
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<td>10858</td>
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<tr>
<td>11173</td>
</tr>
<tr>
<td>11423</td>
</tr>
<tr>
<td>11493</td>
</tr>
</tbody>
</table>

Reported frequencies:

<table>
<thead>
<tr>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>3841.1</td>
</tr>
<tr>
<td>4461</td>
</tr>
<tr>
<td>4853</td>
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<tr>
<td>4856</td>
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<tr>
<td>5147</td>
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<td>5253</td>
</tr>
<tr>
<td>5824</td>
</tr>
<tr>
<td>6816</td>
</tr>
<tr>
<td>6820</td>
</tr>
<tr>
<td>6824</td>
</tr>
<tr>
<td>6827</td>
</tr>
<tr>
<td>6858</td>
</tr>
<tr>
<td>6950.1</td>
</tr>
<tr>
<td>7453.2</td>
</tr>
<tr>
<td>7458</td>
</tr>
<tr>
<td>7471.4</td>
</tr>
</tbody>
</table>

Notes on operation:

- Transmission modes used: FEC/ROU 164.5 bd/400 shift
  FEC/ROU 218.3 bd/400 shift
  CW
- Also reported - Autospec with 1:50 interleave.
- [SAT][SUN] Language: Roumanian, English.
- Occasional chatter in CW
- Press summary bulletins sourced on ROMPRES
- Signatures: Milena Bucus Milescau, Valeriu Dinica and Vasile Sofineti
- Broadcast at 1100z in FEC/ROU//164.5/R/400 - may be online encrypted - on 8028, 10493, 14681, 16332, 18549.8, 18552.1 & 18762 kHz
- Broadcasts - winter 1100z, summer 1000z
- Five colons mark the begin/end/next page of a message (:::::)

Dictionary of frequently used words:

- ianuarie = January
- decembrie = December
- ministerul afacerilor externe = MFA
- presedintele romaniei = Romanian President
- primul ministru = Prime Minister
- radiograma = radio(tele)gram

Pagina 218
Sample message formats:

Example #1  - End of message followed by a message in plain Roumanian

doc. dan simionescun istoric literar.                (end of message)
in prezent, academii romane are 157 de membri - titulari
si corespondenti - si 15 membri de onoare din tara noastra.

valeriu dinica                (Signature)

:::cc                                          (Message break - C =
operator? at message
break not page break)

v5g v5g v5g msg nr 406 qfp 3 fr p all          (Originator Bucharest
message nr, to all)

circulara nr.17/3302                           (Circular nr.)
29 decembrie 1992                               (date)
domnule sef de misiune,
in presa zilei de 29 decembrie 1992, va semnalam:

1. delegatia parlamentara din republica elena condusa de
dl nicolaos grillakis, presedinte al partidului noua democratie, a fost primita la 28 decembrie de presedintele romaniei,
dl ion iliescu.

intilnirea, care a avut un caracter protocolar, a insemnat o trecere in revista a relatiilor bune existente intre
cele doua tari, subliniind-se si faptul ca, de-a lungul timpului, acestea nu au fost alterate in ciuda poziitiilor politice, uneori diferite, dar dovedind aceeasi conceptie asupra
realitatilor istorice.
oaspetele a tinut sa transmita poporului roman cu ocazia
sarbatorilor de iarna urari de fericire si prosperitate.

valeriu dinica                (signature)

406                                          (message number)

---------

Example #2A  - Messages in plain Roumanian

---------

38 39 40 42 48 50 52 53 56 57 59 61 62 70 73 75 76 77 78 (Addressees)
81 82 83 85 86 88 89 90 92 94 96 97 98 99 101 102

ministerul afacerilor externe                (Originator - MFA)
nr. h-02/15132 din 29.12.1995/16,00          (Nr and origin DTG)
radiograma – circulara                      (Circular message)
domnule sef de misiune,
WUN-v02

referitor la procedura de preschimbare de catre cetatenii romani aflati temporar in straintate a pasapoartelor simple a caror valabilitate a expirat, va reamintim urmatoarele:

Example #2B

ministerul afacerilor externe (originator is MFA)
nr. a-1/10116 din 22.12.1993 (nr and origin date)
radiogram# - new york (radiogram to NY)

%n leg#tur# cu comentariul publicat de cotidianul ,,libertatea'' referitor la vizita oficial# a ministrului rom&n de externe la washington purt#torul de cuv&nt al m a e este %imputernicit s#
declare urm#toarele:

3235 (end of unsigned message nr 3235)

That's all for now. See you next month! -Ary-

The WUN Military Column
Jim Pogue, editor (kh2ar@aol.com)
P.O. Box 3888
Memphis, Tn 38173-0888, USA

Welcome to another edition of the WUN Military Column. Plenty of information to pass along this month, so here we go:

FRENCH AIR FORCE: WUNer Jacques Pagnoux sends us the following great info from his homeland of France:
I'm sending you this contribution which may help people who hear French aircraft on HF but are not familiar with the call-signs used.

French military flights can be heard on HF. They will be using one of the following:
I) Cotam call-signs (CTM ....) These correspond mainly to transport missions (equivalent to the AMC) The word "Cotam ...." as a call-sign is mostly used by French controllers or pilots over France; the appropriate call-sign, as it appears on the flight plans, is CTM+four numbers. The word "Cotam" is just an old habit or tradition to refer to these flights. (Cotam is the abbreviation for "Commandement du Transport Aerien Militaire")

Here is what I know about these call-signs, although I'm not 100% sure of everything.
CTM 0001 is a presidential flight, no matter the type of aircraft or helicopter.
CTM 0002 is a prime minister flight (same)
CTM 0003 is minister of defense (same) ... etc, up to CTM 0010 or so, according to the function and hierarchical rank of the VIP transported, who is a minister in any case.
CTM 0030 to CTM 0100 are usually training or less important liaison flights from Villacoublay, including EVASAN (= evacuation sanitaire) (aeromedical): DA-20 or N262 aircraft.
CTM 0190-0199 are the special strategic communication flights to the benefit of nuclear submarines, by a handful of highly modified C-160s "ASTARTE" from Evreux.
CTM 0501-0599 are other liaison flights from Villacoublay, usually N-262.
CTM 1040-1045 are the most recent. They are allocated to military A-310 flights.
CTM 12... has been heard very recently. No indications yet.
CTM 2000 onwards is a series which starts at the beginning of each year, it
includes all C-160 and C-130 flights. It usually ends around CTM 5000-6000 at
the end of the year, and it starts again at CTM 2000...
CTM 8800-88...? usually apply to long range DC-8 flights.

II) Call-signs associated with non-transport aircraft:
Apart from the CTM... call-signs, there are also FAF..... flights, which
include E-3Fs, C-135Fs on long range flights or using civilian airspace and
procedures, as well as all fighters, bombers or military trainers using
civilian ATC. (the latter mostly over France)

On long range flights one may hear:
FAF 1100 onwards or FAF 7000 onwards: C-135s
FAF 3700 onwards: E-3Fs
FAF 6600 onwards and FAF 6700 onwards: trainers (N-262, Xingus)

III) Not to be forgotten are the FNY..... flights which concern Navy flights,
including Br1150 Atlantics or Atlantique maritime patrol aircraft, and N262
transports and trainers (the latter rarely heard outside France).
FNY 56..: Atlantiques from flotille 24F (Lorient)
FNY 58.. 23F
FNY 53.. N262 from escadrille 56S (Nimes)
FNY 50.. or 51.. N262 from escadrille 2S (Lorient)

IV) Finally, rarely used outside France, one may hear aircraft or helicopters
of the ALAT (Aviation Legère de l'Armée de Terre, army flights). They use the
following call-signs:
LAT 8... (Puma helicopters or Gazelle, or Cessna 406s for liaison).

Thanks Jacques for this terrific rundown on info from France.

MEXICAN COAST GUARD: The Mexican Coast Guard has ordered 10 custom built
patrol boats with law enforcement packages. The 29-foot-long boats are
being built by Mako, supplier to the U.S. Army, Navy, Coast Guard and the
Florida Marine Patrol.

PHILIPPINE AIR FORCE: Is anxious to replace their aging F-5 aircraft.
Several competitors are bidding on 18 replacement planes, including the U.S.
Air Force with its F-16, the MiG-29 supplied by the Russian firm MAPO,
France's Dassault's F-1 and Israel's IAI's Kfir 2000. With ongoing tensions
over claims to the Spratly Islands, air superiority is a hot item in this
part of the world.

ROYAL NAVY (UK): John Evans passes along this address and information on
Culdrose Ops:
Culdrose Ops: Royal Naval Flight. 771 Squadron
Royal Naval Base, Culdrose
Cornwall
England UK

This is a Search & Rescue squadron, usually operating under Plymouth Rescue
control. However Kinloss Rescue (ex Edinburgh) is able to assume control if
Plymouth has problems. When operational on a mission the usual callsign will
be NAVY 177 or 178. This signifies a 'live' mission. When on training, or
suchlike, they will use a normal tac callsign.
If you call them RAF you will have them turning in their grave !!!!!

U.S. AIR FORCE: SSGT David George, verie signer for Croughton GHFS, says they
recently changed the name of their unit following the closure of RAF Upper
Heyford. Their unit and address is now
603rd Communications Squadron/SCRG
Global HF Station
Unit 5855
APO AE 09494
SSGT George says to listen for them on 4724, 6712, 8992, 11175, 13200, 15016

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The first ever display of the newest X-plane, the X-36, a remotely piloted tailless research aircraft will take place at 11 a.m. EST Tuesday, March 19, at McDonnell Douglas, St. Louis, MO.

The X-36 is a tailless design for a stealthy fighter aircraft that could dramatically change the look of future jet fighters. This scaled, remotely piloted aircraft concept has no vertical tail, yet is expected to demonstrate the feasibility of future fighters achieving maneuverability superior to today's best fighters. By eliminating the need for these tail control surfaces, future tailless fighter aircraft will weigh less, fly farther and be able to survive better than today US fighters. This revolutionary new design is the result of technical breakthroughs made by a dedicated team of engineers from NASA Ames Research Center, Mountain View, CA, and McDonnell Douglas Aerospace.

U.S. ARMY: The first flight of the U.S. Army's prototype Comanche armed reconnaissance helicopter took place January 4. The service plans to buy almost 1,300 of the birds to replace their Vietnam-vintage OH-58A/C scout and AH-1 light attack helicopters.

U.S. COAST GUARD: Here's some interesting info Wade Taylor passed on that I don't think this is widely known. He says: I just figured out what USCG means by "bravo freq for secure comms." They simply mean LSB of same freq. Years ago when I was in AFCS (Air Force Comm Svc) we used to use independent side band (ISB) for point to point comms. Most freqs were authorized 12KHz bandwidth so we divided that up into four 3KHz "slots". We would use one slot for VFCT (Voice Frequency Carrier Telegraph) and the other three slots for voice or WEFAX. The four slots were identified as follows:

- Slot A = upper sideband normal (300 to 3000Hz above cxr)
- Slot B = lower sideband normal (300 to 3000Hz below cxr)
- Slot C = upper sideband translated (3300 to 6000Hz above cxr)
- Slot D = lower sideband translated (3300 to 6000Hz below cxr)

So today I tuned one rcvr to 5696USB and another to 5696LSB and bingo - lots of ANDVT on LSB.

Thus Wade solves the mystery of "Bravo" frequency!

U.S. NAVY: The U.S. Navy approved the weapon system for the new LPD-17 class of amphibious assault ship, one of the final hurdles before building begins. The contract for the first vessel should be awarded this year, with first commissioning in mid-2002.

These items from the Navy News Service: Modernizing the force is a top priority in DOD's FY97 budget, senior defense officials said. Procurement funds will increase by about 40 percent over the next four years. The FY97 budget dedicates $38.9 billion to modernization and procurement.

From FY90 to this year, officials said, procurement funds dropped 60 percent and DOD reduced the armed forces by about one-third. The services phased out older equipment, resulting in a drop in the average age of equipment. With the drawdown nearly over, officials said, it's time to modernize the force.

Operations in Bosnia, including the deployment of Predator unmanned aerial vehicles, have renewed emphasis on DOD's ability to provide real-time, accurate information in the field, an official said.

Nearly $600 million is allocated for the Joint Strike Fighter program to develop an affordable next-generation strike fighter for the Air Force, Marine Corps, Navy and U.S. allies. The fighter will replace the F-16, the AV-8B, F/A-18 and supplement the Navy's F/A-18E/F. Between fiscal years 1998 and 2001, DOD projects $3.2 billion for the program.

DOD is buying 12 F/A-18E/F Hornet aircraft in FY97 for $2.6 billion.

The Navy will deploy the twin-engine, multi-mission, tactical aircraft to fighter and attack squadrons. It will have enhanced range, payload and survivability features compared to earlier models of the aircraft. The Hornet E/F will replace the C/D model and partially replace the A-6E Intruder and the F-14A Tomcat. The new Hornet will perform strike, interdiction,
close air support, fighter escort and fleet air defense missions. During the next four years, DOD plans to buy 150 of the aircraft for $14.3 billion. DOD is buying four V-22 Osprey aircraft for $1.1 billion in FY97. The tilt-rotor, vertical take-off and landing aircraft will perform airborne assault, vertical lift, combat search and rescue and special operations missions. Between fiscal years 1998 and 2001, DOD plans to buy 31 Ospreys for $3.9 billion. About $3.4 billion will go to buy four DDG-51 Aegis-class destroyers. DOD plans to buy 11 Aegis destroyers between fiscal years 1998 and 2001 at a cost of $11.8 billion.

In response to the announcement of missile tests and military live-fire exercises to be conducted by the Chinese in the waters surrounding the island of Taiwan, the United States has dispatched forward deployed naval assets, including a carrier and other combatants to the area to monitor the situation.

Demonstrating the value of having mobile and flexible forces deployed and operating worldwide, the U.S. Navy has again been called on by the leadership of the United States to respond as the force of choice. Operating in international waters, the aircraft carrier USS Independence (CV 62) and other units in its battle group have been on the scene since the exercises began. Having just completed a port visit to Manila, Republic of the Philippines, the ships were readily available to respond to the tasking from the national command authorities.

One of the ships in the group, USS Bunker Hill (CG 52), is operating south of Taiwan using its SPY-1 Aegis radar and other means to observe the missile tests. Other ships operating with the Independence include USS Hewitt (DD 966), USS O'Brien (DD 975), and USS McClusky (FFG 41). Aircraft from Carrier Air Wing Five are embarked with Independence.

To augment the monitoring efforts, and further demonstrate U.S. commitment to peace and stability in the region, the carrier USS Nimitz (CVN 68) and elements of its battle group received orders to sail from the Arabian Gulf to the Western Pacific earlier than planned. They are scheduled to arrive in the area next week.

Accompanying Nimitz are USS Port Royal (CG 73), USS Callaghan (DD 994), USS Oldendorf (DD 972), USS Ford (FFG 54), USS Willamette (AO 180), USS Shasta (AE 33) and USS Portsmouth (SSN 707). Aircraft from Carrier Air Wing Nine are embarked with Nimitz.

Additionally, the aircraft carrier George Washington (CVN 73), currently underway in the Western Mediterranean, will move into the area of responsibility of the Commander in Chief, U.S. Central Command. Ships accompanying George Washington include USS San Jacinto (CG 56), USS Merrimack (AO 179), USS Mt. Baker (AE 34) and USS Scranton (SSN 756). These ships will transit the Suez Canal en route to that region. Carrier Air Wing Seven aircraft are embarked with George Washington.

The mission of all these naval forces is to serve as stabilizing and resolute forces in response to tensions in their respective areas of operations.

INTERNATIONAL NAVIES: The March 1996 issue of the U.S. Naval Institute (USNI) Proceedings magazine contains their annual "International Navies Review." This is an excellent means for DXers interested in this topic to keep up on what's going on around the world. To order a copy or for information on joining the USNI, write to them at 2062 Generals Highway, Annapolis, MD 21401.

MISC: Moss Point Marine, Inc., has announced delivery of the Petrojet 5, a 114-foot-long anchor handling tug, to Petroleum Projects & Technical Consultations Co., Cairo, Egypt. I strongly suspect this is the vessel from which several of us heard a couple of U.S. Army warrant officers, talking to U.S. Army Vessels but using an Egyptian callsign.
It's time to set sail for another Nautical News column, so anchors aweigh and here we go.

* In a recent QSL from the M/S Columbus America, the Radio Officer tells us that several Hamburg-Sudamerikanische vessels changed from German to Liberian flags on Jan. 23. The new callsigns are as follows:
  Columbus America - ELSX2
  Columbus Australia - ELSX3
  Columbus New Zealand - ELSX4

He also added that in March, GMDSS would be installed, and that there would be no more Morse code used thereafter.

* Conoco, Inc. Domestic Marine Operations, has taken delivery of the M/C Coushatta, one of three high horsepower towboats they have ordered. The new vessel went directly into tank barge service on the Intercoastal Waterway, out of its home port of Lake Charles, Louisiana. The vessel is 70.5 feet long, has a 28 foot beam and a design draft of 8 feet.

* A recent article in the Sacramento Bee - sent to us by Art Blair - tells us more about the break-up of the Royal Cruise Line family. In a nutshell:

  Crown Odyssey will transfer to Norwegian Caribbean Line (NCL), and be renamed Norwegian Crown. It will sail weekly western Caribbean cruises from Ft. Lauderdale until April 20, when it will move to Vancouver for weekly cruises to Alaska.

  Royal Odyssey will complete its current world cruise and then transfer to NCL on May 14 before continuing on to Alaska for the summer season.

  Star Odyssey will follow its current itineraries through May 16, when it becomes an NCL vessel and begins sailing the Scandinavian itineraries published for the Crown Odyssey.

  Queen Odyssey has been sold to Seabourne Cruise Line for $55 million. The Queen Odyssey is a sister ships to Seabourne's two vessels, the Spirit and the Pride. Its new name will be Seabourne Legend.

Thanks for this and other info you've sent us Art - please keep it coming!

* German ship owner Peter Deilmann has ordered a 22,400-grt cruise liner, to be christened the Deutschland, from German shipbuilder HDW, for a contracted price of approximately $142 million.

* Vancouver BC-based Canadian Transportation is expected to register three of its open-hatch bulk carriers used in the timber trade, the City of Alberni, City of Westminster, and City of Nanaimo, all of about 32,200 dwt, under the flag of Barbados.

* American Hawaii Cruises has extended the layup time of the cruise liner Constitution until the middle of 1997. According to an American Hawaii spokesperson, the estimated cost of rebuilding the 45-year-old ship to meet modern standards has risen to over $50 million, largely because of greater than expected steel replacement.

* Star Cruises of Malaysia has ordered two 75,000-grt cruise liners from Germany's Meyer Werft shipyard, for a total cost of approximately $700 million. The sister ships will have a passenger capacity of between 2,200 and 2,800 each, and will carry 1,000 crew members. They will be delivered in 1998, under the names Superstar Leo and Superstar Virgo. Other cruise vessels operated by Star Cruises include Langkapuri Star Aquarius, Star Pisces, Megastar Aries, Megastar Taurus, and Star Gemini (formerly Cunard's Crown Jewel).
A subsidiary of the Mormac Marine Group, Mormac Marine Enterprises, has been awarded a management contract covering five US-flag tankers, the Kansas Trader, Iowa Trader, Delaware Trader, Potomac Trader and Chesapeake Trader, all owned by New York-based Penn-Attransco Corp. A sixth Penn-Attransco tanker, the 57,844-dwt Baltimore Trader, has been sold for scrap after it was determined that current market conditions could not support the 1955-built vessel.

Matson Navigation Co. inaugurated service to Guam and Micronesia with the departure of the M/V Mahimahi from Oakland on Feb. 9. The service is part of the new Pacific Alliance Service offered jointly by Matson and American President Lines, with calls at Oakland, Honolulu, Guam, Busan, Hakata, Nagoya, Yokohama and Los Angeles.

San Diego's National Steel and Shipbuilding Co. is converting three former Maersk Line container vessels into Strategic Sealift ships for the U.S. Navy.

Laura Maersk will become USNS Shugart
Lica Maersk will become USNS Soderman
Leise Maersk will become USNS Yano

The research vessel Western Flyer is a 117-foot by 53-foot SWATH ship. It serves as mother ship to the Remotely Operated Vehicle (ROV) operated by the Monterey Bay (California) Aquarium Research Institute. The all-aluminum, twin-hulled vessel has accommodations for 10 crewmembers and 16 scientists.

The former USNS Maury is scheduled to become the new training ship Golden Bear for the California Maritime Academy at Vallejo.

Holland America Line recently announced it will retire its 37-year-old flagship Rotterdam on Sept. 30, 1997, following a final voyage from Vancouver, BC to Port Everglades, Florida. Venice Simplon-Orient Express, Ltd. has inaugurated operations on Burma's Irrawaddy River, with the luxury cruiser Road to Mandalay, which is sailing between Mandalay and Pagan.

Fort Lauderdale-based Silversea Cruises has finalized its contracts for two new vessels. The ships will be approximately 30-percent larger than the lines existing Silver Wind and Silver Cloud, when completed in Italy in 1998/99.

For you diehard web surfers, you can get info on Canada's BC Ferries at the following site: http://bcferries.bc.ca/ferries.

U.S. bankruptcy court has extended until April 8, the time in which Lykes Bros. Steamship Co., Inc., has the right to file a plan of reorganization. The court has also denied a creditor relief from its Oct. 12, 1995, order protecting all of Lykes vessels and enjoining any collection efforts. No other creditors have challenged the stay order to date. Lykes also won approval to sell its two ocean-going barges, the Lykes Innovator and Lykes Enterprise, both fashioned from the hulls of former Lykes breakbulk ships, to a Mexican buyer.

And finally, Maritime Reporter/Engineering News magazine has announced their "Outstanding Cruise Ships of 1995." Here are their picks:

<table>
<thead>
<tr>
<th>Vessel</th>
<th>Owner</th>
<th>Passenger capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oriana</td>
<td>P&amp;O Cruises</td>
<td>1,975</td>
</tr>
<tr>
<td>Sun Princess</td>
<td>Princess Cruises</td>
<td>2,400</td>
</tr>
<tr>
<td>Imagination</td>
<td>Carnival Cruise Lines</td>
<td>2,634</td>
</tr>
<tr>
<td>Crystal Symphony</td>
<td>Nippon Yusen Kaisha Line</td>
<td>960</td>
</tr>
<tr>
<td>Century</td>
<td>Celebrity Cruises</td>
<td>1,750</td>
</tr>
<tr>
<td>Legend of the Seas</td>
<td>Royal Caribbean Cruise Line</td>
<td>2,076</td>
</tr>
</tbody>
</table>

Speaking of cruise ships, Harold Woering reports right as we are going to press of logging the M/S Inspiration. She was not supposed to be out until 4/30, but due to logging her several times on 4 Mhz freqs, it looks like she is out and about. Her call is 3FOA5. Thanks Harold!
That's all for this month. See you in 30 days.

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New Products, Books and Reviews
Rick "RD" Baker, editor
1352 Cavalcade Dr., Austintown, Ohio 44515-3844 or: ae411@yfn.ysu.edu

Items to be reviewed, information about new products, books, software, or
events that would be of interest to the WUN membership, send them in care of
this column.

- Software Review
SYNOPTIC Software by Douglas John Standen

This is the third of the programs John has developed for your ute
enjoyment. It is intended for use with files obtained via the Internet, which
contain thousands of reports covering the whole world. It also will decode
and plot your captured RTTY reports with an optional module.
The Internet reports are available for each hour over a 30 day period.
The main report times of interest are 00, 06, 12, 18, these files are
normally in the order of 580K.
The program allows you to generate your own maps of any part of the
world and to plot to the maps synoptic symbols.
A 33,000 ship database is incorporated which will display the ship
name if it is known. The database may be upgraded by the user.
We discussed the system requirements and screens in the last two columns
for John's other programs. They are the same for Synoptic so I went duplicate
all that. I tested the program on a Compaq Presario 982 Pentium 90 under
Windows 95. It is a Windows style program, with top line menu, and drop down
boxes. The program has been run on 286/386/486/Pentium machines with
Microsoft compatible serial mouse in one of the com ports (1-4). Installation
is just as easy as John's other programs.

On starting the program the opening screen gives the top menu.

Files   Land   Rectilinear  ClrScr  Table   Polar   Ocean   DosPr   Exit

The options available under the main menu items are as follows:-
FILES

Radio File Filter
WMO File Filter
Delete Files

Radio file filter is for extracting files from a RTTY report the report
must be named in date/time, such as 95121006.RAW.
The filter will extract the land and marine reports and name the new
files as 95121006.AAX and 95121006.BBX. Only the suffix .RAW is acceptable.
Radio data is taken using an RTTY demodulator and software from Meteo
stations around the world.

LAND

The options available are only applicable to Land Reports and are:-
Plot Land Stations, Extract Area Reports and File Report Table

PLOT LAND STATIONS:-

On selection you will be presented with a list of files, as the list
grows you may need to use the up/down scroll in order to find the required
data file. The maximum number of files in the working directory is fifty.
Once a file has been selected the land station options appear:-

Marker Only
Full Station Circle
Cloud Circle Only
wind and cloud Circle
Temp and Marker
Pressure and Marker
Station Name Only

Pagina 226
MARKER ONLY:
If the marker only is selected then just a star at the station location will appear, no Met code is available. The purpose of this is to load the world map and see where the current reports are available.

FULL STATION CIRCLE:
The color palette displays, which after color selection will display the station circle.

CLOUD CIRCLE ONLY:
As above but only the cloud circle is shown, this will enable more station locations to be plotted. The drop down decoded data table is available after this option.

WIND AND CLOUD CIRCLE: Same as above.

TEMPERATURE AND MARKER:
Places the station marker on the map with the temperature alongside, temperatures below zero have a minus sign, while above zero there is no sign.

PRESSURE AND MARKER:
Displays pressure to the nearest whole figure.

STATION NAME ONLY:
Displays a marker and the name of each station for which there is a current report available.

EXTRACT AREA REPORTS:
Due to the size and the amount of data in the Met file, it can and will take a long time to go through the whole world waiting for a small area of interest, for example NEW ZEALAND. The extract option, quickly transfers data to a new file that only pertains to the area of interest.

FILE REPORT TABLE:
This is a tabular display of each country available and the number of reports from each.

Just what you can do with a map in this program is pretty amazing! As with John's other programs you would need several more pages to discuss every option and detail. If your into weather, maritime or digital meteo, this is THE program for you.

Synoptic costs 85 pounds with a further 25 pounds for the Radiosonde module via JHS Systems and Software, Cropton, Pickering, North Yorkshire, YO18 8HL UK. Payment: Eurocheque or pounds: dollars conversion plus ten dollars in notes. Includes postage worldwide airmail. Demo version is available on ftp.demon.co.uk in pub\ibmpc\dos\demos\airplot along with John's other programs. John can also be contacted via the internet at: John@metsys.demon.co.uk

Books You'll Like
- SPEZIAL-FREQUENZLISTE 1996/97 by Rainer Brannolte/Wolf Siebel
  ISBN 3-922221-80-7


'Spezial-Frequenzliste' is an utility frequency guide that is published every two years. Softbound, it comes in at 347 pages. Although the book is written in German and I don't speak a word of German (ok, maybe one word but it's not a polite one -hi!), I had no problems using the information provided.

There are over 200 pages of frequency listings that cover 9 kHz to 30 MHz. The remaining pages include a ITU callsign list, country codes and a lot of addresses. Again, all of this information was understandable. There were very few pages where the non-German reader becomes lost.
SSB is well covered and provides fair to good coverage into North America. The U.S. and Canadian Coast Guards for example, are well covered. In fact, for the USCG, an attempt is made to list individual station ID's under each frequency. This was also true for the NAVMARCORMARS (U.S. Navy/Marine Corps MARS) main calling frequency of 14441.5 KHz. So although I see 9 stations listed, the frequency is simply listed as 'MARS'. I checked several other common NA frequencies and found that the majority were at least present, if the ID was not 100% correct. An example was the USN SESEF Norfolk on 7535 listed as NAM, Norfolk, Va. So although the ID is not 100% correct, I could find it was a USN frequency, which it is with primary use by SESEF (Ships Electronic Systems Evaluation Facility). Others were right on the money. One exception is NMA, former USCG CommSta Miami still being listed. That station closed in 1993 or so after it was fairly destroyed by a hurricane. On the plus side, Lahr Military (Canadian Forces) is no longer listed, that station also having been closed.

The best part I found was the coverage of SSB elsewhere in the world. Many I have not seen published before. There are listings of the aero stations found on various frequencies which seemed very complete. It looks like a lot of effort went into the aero frequencies. This is very nice compared to an indication of "MIDh1 MWARA" since some of the names we hear can be a little hard to understand. Seeing the name under the frequency confirms what you heard. Maritime coverage is also very good. Many other interesting SSB frequencies are listed.

The digital modes for NA stations (mostly military meteo) are certainly listed. The ID's and modes are straight forward so that if the mode is ARQhE3 it says ARQ-E3. Overall, I found the digital information fairly well covered worldwide and again coverage of a few areas I have not seen in a publication before.

So after working with the book for over 2 months, I found it a useful source of information for the utility world. Even for the North American listener! 'Spezial-Frequenzliste 1996/97' by Rainer Brannolte and Wolf Siebel is available at dealers throughout Europe, but not in North America. But it can also be ordered direct from the publisher Siebel-Verlag, Auf dem Steinbuechel 6, D-53340 Meckenheim, Germany. The price is for Europe DEM 40, and DEM 50, US$ 35, for the rest of the world. Write for further details.

Ran out of time, so next month we have several reviews for software from the Netherlands and more!
CIVIL AIRCRAFT

ATN 502/N735PL 13330.0 USB PFC 20 ds DC8 freighter (JSM)
Elite 313/C-FOOG 2887.0 USB PFC 14 ds B757-200 (JSM)
Elite 725/C-FKXK 2869.0 USB PFC 14 ds B757-200 (JSM)
Air Malawi 164/Q-YKP 8879.0 USB PFC 10 ds B737-300 (JSM)
AFM 01/Z-WM3 8903.0 USB PFC 35 ds DC8 freighter (JSM)
CSA 169/OK-WAB 6556.0 USB PFC 28 ds A-310-300 (JSM)
Swissair 187/HB-IWI 5670.0 USB PFC 12 ds MD-11 (JSM)
Air France 157/F-GLZF 5670.0 USB PFC 26 ds A-340-300 (JSM)
AIN 813/3D-AFR 8903.0 USB PFC 13 ds DC8 freighter (JSM)
Airlanka 423/4R-ADA 5670.0 USB PFC 22 ds A-340 (JSM)
Cathay 749/VH-HUA 5634.0 USB PFC 47 ds +pers ltr/747-400 (TO)
BA Concorde 001/G-BOAG 8879.0 USB PFC 27 ds Concorde (TO)
Springbok 238/VS-SAUN 8939.0 USB PFC 121 ds +pers ltr/737-400 (TO)
Medjet 25/N25MJ 8864.0 USB PFC 29 ds HS125 (TO)
Speedbird 2654/G-WUHJ 10072.0 USB PFC 33 ds +lots of info (TO)
Northwest 33 6622.0 USB PFC 29 ds 747-200 (TO)
Air Canada 967/C-GAVC 5550.0 USB PFC 40 ds 767-200ER (TO)
Fine Air 364 6637.0 USB PFC 28 ds DC8F (TO)
Speedbird 069/G-BDXO 5658.0 USB PFC 7 ds 747-200 (TO)

MARITIME/NAVAL/COAST GUARD STATIONS

Iqaluit CG Radio/VFF 2182.0 USB PFC 142 ds 5kw vert. ant. (JSM)
Kinloss Rescue 5680.0 USB LTR 11 ds +folder w/sked (HS)
Riga Rescue 5680.0 USB LTR 37 ds +viewcard (HS)
Yarmouth Coast Guard 2182.0 USB LTR 12 ds +lots of info (HS)
NAVRADSTA Madrid/EBA 13059.0 CW LTR 33 ds +sked (HS)
St. Lys Radio/FFL/41 8806.0 USB PFC 15 ds +folder w/sked (MB)
Ocean Gate R./WOO 4387.0 USB CRD 62 ds chart + booklets (MB)

*** TIPS & TIDBITS ***

The Canada Maritime shipping agency has just christened a $45-million (U.S.) container ship, the CanMar Courage, one of two vessels custom-built to ply the North Atlantic. The Courage and its sister vessel, the CanMar Fortune, are the first new ships ever acquired by Canada Maritime, which is a division of CP Ships. The Courage, built in South Korea, is 216 metres long and 32 metres wide, with a crew of 23, and will run between Montreal, Antwerp and Felixstowe. It has an ice-strengthened hull, winterized deck and bridge, and an engine designed to forge through ice. Should anyone want to monitor and QSL the vessels, here's the address:

Canada Maritime Agencies Limited
Montreal Head Office
3400 De Maisonneuve Blvd. W.
Montreal, Quebec
H3Z 3E7
Attn: Operations Manager

Steve McDonald (VE7SL) of Mayne Island, British Columbia, submits the following addresses:

Airlanka
No. 37 York St.
Colombo 01
Sri Lanka
Attn: J.J. Dobbin

Air France
45 rue de Paris
F-75757 Roissy CDG cedex
France
Attn: Flight Communications OCSC
Czech Airlines (CSA)                        Affretair (AFM)  
Airport Ruzyne                        PO Box 655  
160 08 Prague 6                        Harae  
Czech Republic                        Zimbabwe  

Air Malawi                           Canada 3000 (Elite)  
PO Box 84                            27 Fasken Dr.  
Blantyre                            Toronto, Ontario  
Malawi                              M9W 1K6  
Attn: Flt Ops                       

Air Transport International          M/V Iris Ace  
Clark Bldg.                          Mitsui O.S.K. Lines  
3800 Rodney Parkham Rd.             PO Box 5, 1-1  
Little Rock, AR                     Toranomon 2-chome  
72212                                
Attn: K.R. Coombs III               Minato-ku  
                                    Tokyo 105-91  

Norgas Transporter                   Lake Guardian  
Chemikalien Seetransport GMBH       Government of U.S.A.  
Mattenwiete 1                        Environmental Protection Agency  
2045                                Bay City  
Hamburg                             Michigan  
Germany                             USA  

Iqaluit CG Radio                      Century  
Frobisher Bay Station               Solent Cruises  
Transport Canada                     Celebrity Cruises  
Frobisher, NWT                       5201 Blue Lagoon Drive  
Canada                               Miami, FL  
X0A 0H0                               33126  

Harold Woering of Mass. sends along these:  

Nordic Empress                       Century  
Royal Caribbean Cruise Line          Solent Cruises  
1050 Caribbean Way                   5201 Blue Lagoon Drive  
Miami, FL 33126                      Miami, FL  
                               33126  

Tony Orr writes to say that one of his QSL's listed this month from Speedbird 069 arrived in only 7 days and was personally signed by the aircraft's captain, Dave Summers.  

I quote from a recent e-mail received from Henning Sandte of Germany:  

"PA90PCH (see Fixed Stations) was Scheveningen Radio operating with this special callsign on the hambands on occasion of the 90th anniversary celebrations of Scheveningen Radio/PCH."

He also passes on the information that Kinloss Rescue has taken over the duties of Edinburgh Rescue which closed down. The address is:  

Supervising Radio Officer  
HF SAR Comms  
ARCC Kinloss  
Forres  
Morayshire IV36 0UH  
Scotland.  

He also sends the following addresses:  

Yarmouth Coastguard                          NAVRADSTA Madrid/EBA  
District Controller                         Jefe de Estacion  
HM Coastguard                               E.R.E.M.A.  
Eastern Region                               SAN SEBASTAION DE LOS REYES  
Yarmouth District                           Calle Real 97  

Page 230
Michael Oexner of Germany recently posted these:

"Architect"                                MV Shetland Service (GRHJ)
HQ 38 GP                                   Zapata Gulf Marine
HQ STC                                     Block 3
RAF High Wycombe                           Fishwharf
Buckinghamshia HP14 4UE                    Gt. Yarmouth
UK                                         Norfolk

The following are addresses for maritime coast stations in the U.S.,
Canada and France that are dependable QSL'ers and whose transmissions can be
monitored 24 hours daily:

Yarmouth Coast Guard Radio                 AT&T Station WOM
P.O. Box 164                                1350 NW 40th Avenue
Yarmouth, N.S.                              Fort Lauderdale, FL
Canada                                      33313
BSA 4B2                                     USA

AT&T Station WOO                            France Telecom
P.O. Box 550                                 St.-Lys Radio
End of Beach Avenue                         Reseaux et Services Internationaux
Manahawkin, NJ                               Centre Radiomaritime de Saint-Lys
08050                                       Service Commercial Radiomaritime
USA                                         31470 SAINT-LYS
                                            France

#  #  #

HINTS TO SUCCESSFUL QSL'ing

Depending on how successful you are QSL'ing high-frequency utility
stations, you may consider the hobby either very rewarding or equally disap-
pointing. Your ratio of return versus reception reports sent out can
fluctuate up or down depending on a lot of factors, not all of which are
within your control. But if you abide by the following points (as well as any
others you may set for yourself), you'll be making things a lot easier, and
inevitably will increase the odds of a successful QSL.

PERSISTENCE - As the saying goes, "If at first you don't succeed..."
There have to be at least a few utes out there who've just kept trying on a
single station until it finally QSL'd. Last month alone contributor Andreas
Ibold posted a catch here that came through only after three tries! There's
really no telling how many attempts it can take. But three is not a bad
figure if you want the veri enough. Chances are that if you're submitting
good reception reports and they're still not responding, that you're probably
just nabbing them at the wrong time when they're too busy (unless they have a specific policy of never acknowledging listeners). Part of your organization might be to set a limit on the number of attempts you make on a station, or else just use your judgement and play it by ear.

BE SPECIFIC - If you give yourself the trouble to be more specific in your reports, you could also be helping things along considerably. The trick is to be specific without revealing confidential details that could torpedo the whole thing then and there. It's a question of treading the fine line between indisputable fact and indiscretion. The person reading your request has to be made certain and as quickly as possible that you have heard a transmission by his station, but you don't want to go too far or startle him with some inappropriate information. QSL'ing a maritime shore station, for instance, traffic lists with names of vessels and call signs are good, while names of callers and message content are strictly taboo and may be a violation of law. In trying to be specific, you may want to send a report that's a little too elaborate or overdone in its reference to details of the transmission, but that may just achieve the desired end because the operator will have no doubt you've done your homework. Write a reception report that's specific (but discrete) without being boring and you'll definitely be on track to a QSL.

GET THE FACTS STRAIGHT - There's no telling how many reception reports have had their odds shot out from under because of oversights and stupid mistakes in them. You think you've got all the details straight, then a casual glance at your back correspondence shows you left out either the time or the date or another vital piece of information. All you're left with then is the frustration of knowing your report is useless before it's even reached its destination. So double-check everything you're sending out, and cross-check the data in your cover-letter/PFC with that in your log to be sure you're not omitting anything. It's easy to forget little things: remember that midnight UTC may be only about 19:00 local, but the date changes and your data has to show it (there's a big difference between 00:30 UTC March 10 and 00:30 March 11). The best thing is to keep a constant reminder of this, like a wall-mounted clock with UTC readout, or if possible a unit that also displays the current date. Even a printed reminder on the wall, anything to keep you on your toes. And while you can probably monitor and log under almost any circumstances, it might be advisable to write up your actual reception reports and PFC's when you're alert and rested, maybe even limiting how many of them you send off at one time so as not to get the data confused. If you're careful to get your facts straight ahead of time, you won't be tempted to do something drastic after.

ORGANIZATION - Eventually if you keep at QSL'ing long enough, you may find that the greatest asset you'll have developed is your sense of routine. If you organize your supplies so that you have everything available that's necessary to your hobby and within easy reach, a certain routine will set in so you'll know what you're doing without having to think much about it. As a means of minimizing costly errors it's something to contemplate. QSL'ing is an activity you have to keep at no matter what. There can be periods of drought when you aren't receiving any responses at all. This shouldn't stop you from sending out reception reports all the same. Your sense of routine should carry you through the down as well as the up times. Since QSL'ing involves the use of postal services primarily (although fax and e-mail can also be used), you should have at your disposal at all times all of the various supplies for this purpose: envelopes of varying sizes, stationery, cardboard or stiff paper for PFC's, postage for domestic and international destinations, mint stamps for the return, IRC's (optional International Reply Coupons available at the post office), and greenbacks as incentives or alternatives to return postage. Develop a standard form letter that's sent to all potential verifiers and think of ways to revise it depending on the response you get. The efficiency of your QSL organization will play a major role in your success in the hobby.

WHOOPS! We said in our last column that we'd be dealing with mint stamps, IRC's and other means of return postage this time. But since we got a bit carried away with this month's topic, it'll be for the next time, pro-
Wow! Its March already! Where are the days going? I guess, by the time you read this, it will be close to April.

We are approaching the end of the official longwave monitoring season. I guess that means that beacon hunting licenses should be expiring some time soon :-) Actually, some dedicated hobbyists continue listening all throughout the year. Great catches have been made in the middle of summer static crashes. So don't give up quite just yet! Keep listening. You never know what may pop up at any time.

I've been having troubles again with my Internet account, but this time it is my fault. If you sent me e-mail since the February issue and I have not responded, send it to me again. By the time you read this, the usual address (karayan@crow.cybercomm.net) should be active again.

QSLing stations we've heard has been an integral part of our ute monitoring hobby. For some of us, it _is_ the hobby! Certainly, the QSL collections plastering the shack walls is for some of us the equivalent of a world-class athletes trophy cabinet: QSLs are our trophies.

More than that, though, QSL cards (or, really PFCs) usually come with a bunch of goodies. It may be just a personal note from a radio officer, a picture of the shack or vessel, or a host of additional information that makes it all the more worthwhile.

Needless to say, then, QSLing has its place in longwave radio also. This month we have an article from Jill Dybka (dybkaj@harpo.tnstate.edu), who is active in QSLing longwave beacons. Jill has been a contributor to the QSL Report column of the WUNewsletter. As you may also know, Jill has a radio page on the Web, located at URL: http://harpo.tnstate.edu/~dybkaj/radio.htm

(She tells me that her page is back online again.) While surfing Jill's web pages, I came across her interest in QSLing beacons and I asked her to share some of her experiences. I will let Jill speak for herself:

***************************************************************************
I've been a LW beacon DX-er for about a year, using a Realistic DX440 radio and the internal ferrite antenna. Verifying beacon catches is an interest of mine and I would like to share some info that might be helpful. My verification rate is over 95%.

PFC
Since beacon operators don't issue their own verification cards, you'll have to "roll your own." I used WordPerfect with good results, with some help from a fellow DXer. (One of my PFC's is in the March '96 issue of "Popular Communications." Though I designed that card for a SW verie, my beacon PFC is similar). I print them on unlined 3 x 5 index cards. You can get them in bulk at warehouse-type office supply stores very cheaply.

Cover Letter/Report

There was a good example of a cover letter in a recent WUN newsletter [The QSL Report, 2/96 issue. - Ed.]. Clarity and politeness are very important. Wanting verification that you heard a LW beacon transmission *is* pretty weird when you think about it! My cover letter explains that listening to LW signals is a hobby of mine and I state clearly what it is I want--i.e. the card signed and returned. Sometimes, though, the recipient of my reception report doesn't understand. For example, I've had a PFC returned after being forwarded to an FAA employee who understood my request--perhaps because he was an amateur radio operator. But his fellow employees didn't. They had given it to him after they had written, "Dave--what is this?" on my reception report!

I try to keep the reception report simple, saying the signal was "poor" or "good" rather than using more technical info like the SINPO code. [Besides, beacon operators aren't exactly keeping track of their reception 1,500 miles away from their location :h) Ed.] The cover letter and reception info are included on the same page so I can keep it short and simple. The recipient is taking the time out of his or her day to read it.

Good Ideas

I *always* include a SASE for the return of the PFC. (For international QSLing, you can enclose an International Reply Coupon available at local post offices, or better yet, you can enclose mint foreign postage (of the recipients country) that you can get from stamp dealers serving radio hobbyists. - Ed)

In addition, I enclose a souvenir postcard of my city, Nashville. (Cracker Barrel restaurants have them for less than 25 cents each.) I think it's a nice practice to include some sort of "goodie" with your report. The verifier is doing you a favor. Also it helps the hobby--sending a polite request increases the chance that the recipient will be likely to verify subsequent reports from other hobbyists. After a PFC is returned, I send a "Thank you for the verification" postcard, also printed on a 3 x 5 index card. (When I address the homemade postcard I write "postcard" at the top or the post office won't send it.)

Where to send it:

This is the tricky part, but can be fun if you like to "play detective." Ken Stryker's Aero Beacon Guide has been really helpful to me in my searches for Beacon QSL addresses. He lists the owner of the beacon--like "Coast Guard" or the airport name. (There's a few additional references that I've used with success [for USA addresses - Ed)

*Zip Code Index--larger post offices have this big index, as do some libraries. For example, you've heard a beacon at "Acme Airport" in "Anytown, MI." It's a smaller town, and your library doesn't have a copy of the town's yellow pages. The zip code index should help. It lists street names, so look for any airport-named streets in that town. Instant beacon QSL address:

Electronic Tech--Aids to Navigation
Acme Airport
Airport RD
Anytown MI zipcode

Though there isn't a street #, I've never failed to receive a verification using this method. (Provided the city in which the beacon is located has an airport-named street!)
WUN-v02

*Out-of-town phone books—a well-stocked-library usually has a big selection of these. It may mean a trip you your library's main branch. A look at the "Airports" heading in the phone book of the town in which an airport beacon is located will give you an address. If you want to verify an FAA-operated beacon, look under "Department of Transportation." for an FAA local field office near the airport that the beacon serves.

*Internet sources:
The US Coast Guard page has address info if you need to verify a Coast Guard operated beacon. (http://www.dot.gov/dotinfo/uscg) There is a listing of districts, so pick the district that includes the beacon's location. I've had good luck addressing the reports like this:
Navaids
Commander (oan)
specific Coast guard district
anytown mi zipcode

The FAA page also has addresses of larger FAA facilities.
http://www.faa.gov/faahome.htm
I've had better luck with local field offices, though.

The best resource for beacon addresses is the Navaids page. You can search for a beacon by site or ID: http://www.cc.gatech.edu/db1/fly

Keeping track:
I keep track of my reception reports and loggings in a format like this.

QSL kHz ID Location Miles/Watts Airport

Using a freeware program, "bearing.zip," I get the distance between my QTH and the beacon, via longitude and latitude. You can find your longitude and latitude on the Internet at: telnet://martini.eecs.umich.edu:3000/

(Ken Stryker's guide lists the longitude and latitude of each beacon). I have compiled a list of beacon QSL addresses I'd be happy to e-mail anyone who is interested. They're mostly Southeastern US addresses. Send your request to: dybkaj@harpo.tnstate.edu. (addresses valid until May 96)

Those WUNers who get a hard copy of the newsletter can send a SASE to:
Jill Dybkaj
TSU Box 5033
3500 John A Merritt Blvd.
Nashville TN 37209-1561
USA

*****************************************************************
Well, how about that? 95% success rate puts even ham radio QSLing to shame! (Which reminds me... where did I put that stack of QSLs I have yet to reply to??? :-) Thanks for the tips, Jill.

----- @ -----  

Time again the current version of the WUNTED list:

```
<table>
<thead>
<tr>
<th>ID</th>
<th>Freq.</th>
<th>Heard in</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>W</td>
<td>272</td>
<td>NE USA</td>
<td></td>
</tr>
<tr>
<td>W</td>
<td>295</td>
<td>NE USA</td>
<td></td>
</tr>
<tr>
<td>FE</td>
<td>334</td>
<td>NE USA</td>
<td>Period ~5 sec, ID plus tone</td>
</tr>
<tr>
<td>ZDX</td>
<td>367</td>
<td>NE USA</td>
<td>Stryker says ZDX on 369, but no double sideband; the tzb for this one was 368.1</td>
</tr>
<tr>
<td>XW</td>
<td>399</td>
<td>NE USA</td>
<td>Not sure about the ID</td>
</tr>
</tbody>
</table>
```

This is a list of unidentified longwave stations

Pagina 235
Beacon TE, on 214 kHz, has been identified as Teterboro (airport) - (Torby), New Jersey, USA. I should have known this one - I LIVE in New Jersey! Tnx to WUNer Bob Hamilton for this one.

Speaking of beacon IDs, I received email from Dave Summers, a British Airways Captain of a 747, via our own Tony Orr. It turns out that Tony, our WUNewsletter aero columnist, shared copies of the newsletter with captain Summers, who read our WUNted list and checked his aircraft's navigational database for our unid'ed beacons! Here is part of his email to Tony:

>Reading through your WUN mag, (with the aid of a magnifying glass and a good light!) George Karayannopoulos was asking for more details about a number of beacons. Using the aircraft's navigation database last night on the way back from IAD, I was able to track down the lat & long for most of them. They are all (except 'Te') plotted on the Jeppesen Low Level Aviation RNAV charts. The charts give no other info re power, type etc. except where I have noted it. You might like to forward these details to him with my compliments.

>TE 214 (believed to be Teterboro' NJ) N4048.3 W07408.0
>TVX 521 Greencastle N3942.8 W08648.4
>ZLS 526 Stella Maris N2334.8 W07515.8
>ZDX 367 Antigua N1709.5 W06147.6
>PPA 450 Puerto Plata (Dom Rep) N1945.1 W07303.4
>Gas 420 Gallipolis N3850.0 W08209.7
>D9 383 Private NDB Deerhurst Resort, Ontario N4521.2 W07908.7
>YRR 377 Greely, Ottawa N4516.1 W07534.4

Way to go, Captain Summers! He also mentions that their a/c databases "know almost every beacon in the world!" (I assume he means aero beacons only). With the apparent lack of online info on beacons outside the North American continent, I wonder if that data could be obtained and placed online by some dedicated WUNers, maybe in Europe. I assume, of course, that this information is in the public domain. Any takers?

---

Well, that's it for now! Turn your dial and come down to see what lurks in the basement!

73 es gud DX, de
George, N2OWO

============================================================================= # UTILITY ROUND-UP #
[ editor: Ary Boender (ary@bitbike.iaf.nl 2:283/512.24) ]

This month we'll concentrate on Intelligence and Spy stuff that can be found on the WW. Many of the numbers stations that you are hearing on SW originate from (military) intelligence organizations. I found very interesting information on the sites that are listed here-after. You can read about the organizations and about numbers stations and their infamous transmissions. Some sites have even sound samples.

CONET plans a CD with recordings of numbers stations. It will be the first one to my knowledge. The list is far from complete but gives you an idea where to look for info about the more obscure side of our hobby.

o Costas Konstantinos from Greece writes that he heard MOSSAD's transmissions to SYN with this unusual message: "SYN1 4D01" on 3090 kHz.
Mike Chace has updated and enhanced his WWW pages on those mysterious number stations. If you want to read about the numbers stations, the ENIGMA club of numbers monitors, or you are just curious, be sure to check out Mike's pages.
http://itre.ncsu.edu/radio/numbers.html

Mike has some interesting thoughts and hopes that fellow members may be able to help him out. Like many others he wants to trace the location of the numbers stations. I think that his idea deserves support folks, it is for the benefit of all numbers monitors! This is what he writes: 'One problem that causes me great frustration in my monitoring interests, is not knowing where signals are being transmitted from. C37A, CJL, WJI, "The Brotherhood", and Crowdh36 users are just a few examples of networks whose country/ies of origin I'd like to be a bit more certain of. The myriad of Numbers Stations still on air also provides another incentive for what I'm about to suggest. I cannot afford a professional, accurate Direction Finding (DF) system of my own and I would need to move house and get a substantial increase in salary to accommodate a 2-30MHz rotatable log-periodic antenna in the back garden :-() However, I think that there may be a solution. What I would like to do is to bring together a small dedicated network of shortwave "DF" stations owned by personal monitors. Doubtless it would be a "shoestring" operation at very low cost and, consequently low accuracy, but ANY equipment that can give an idea of direction of any signals on any Shortwave bands would improve what I have now. Please mail me (mikec@praxis.co.uk) for more information or with your thoughts on this idea.'

The CONET Project On-Line provides real-time recordings of Numbers Stations in Iwave format.
http://www.ibmpcug.co.uk/~irdial/coneline.htm

CIA World Factbook
http://akebono.stanford.edu

Central Intelligence Agency (CIA)
http://www.odci.gov/cia/text.html

Communications Security (CSE)
http://watserv1.uwaterloo.ca/~brobinso/cse.html

IWR - Intelligence Watch Report. Especially interesting are the listings by country and the daily intelligence newsreels.

Intelligence on the Web
http://www.fas.org/pub/gen/fas/irp/intelwww.html

MILNET: Intelligence Agencies
http://www.onestep.com:80/milnet/intell.htm

TPW: Terrorist Group Index
http://www.site.gmu.edu/~cdibona/grpindex.html

Sinister Connections: Secret Stuff
http://www.webcom.com:80/~conspire/ahalink.html

KIM spy
http://www.kimsoft.com/kim-spy.htm

The 'Spy Numbers Stations Mailing List' is an excellent service from Chris Smolinski. E-mail Chris that you wanna be on his list. His e-mail address is cps@access.digex.net. Be sure to check out Chris' Numbers Web page http://www.access.digex.net/~cps/numbers.html Here's a taste of the stuff on Chris' page and from his newsletters (thanks for all the info Chris!).

Pagina 237
Types of Shortwave Spy Numbers Stations:

# 4-digit Spanish YL
This is a fairly commonly heard format, though not as often heard as the five digit variety. The transmission starts with a three digit block repeated three times, followed by a count, such as "376 376 376 1234567890". This is sent for several minutes, and is followed by a series of tones. Then the number of message blocks to be sent is given, for example "grupo 87". Then the four digit message blocks begin. The message is terminated with "fin". Four digit numbers stations generally have excellent technical quality. They may be the "real" messages (as opposed to training exercises), or just run by better funded spies!

# 5-digit Spanish YL
This is by far the most commonly heard type of numbers station in North America. A typical transmission starts with "atencion", then a three digit block and a two digit block, such as "atencion 932 86". The two digit block is always the number of five digit groups later sent as the message. The three digit block is believed to be the recipient. This preamble is sent for several minutes, and then the actual message is sent, as a series of five digit blocks. The transmission ends with the words "final, final". AM modulation is sometimes used, although SSB is also reported. I have heard many stations which seem to be using reduced carrier sideband, with modulation on one of the sidebands, and a lower power carrier, sufficient for reception on AM receivers. These transmissions often have technical problems (poor audio, hum, distortion, sometimes big "accidents" like starting to play the Radio Habana opening music!

# 4-digit English YL
These transmissions start with a three digit block (presumed to be the recipient number repeated for several minutes. No message length is sent. A 1234567890 count is then heard, often followed by some tones. Then the five digit message blocks begin.

# 5-digit English YL
These transmissions start with a three digit block (presumed to be the recipient number repeated for several minutes. No message length is sent. Then the five digit message blocks begin. The accent of the female announcers of the five digit stations often varies. Some are distinctly British, some Spanish, others sound American. This may indicate that there are several organizations operating the various stations. Or, as with many "facts" about Numbers Stations, it may mean nothing at all!

# Lincolnshire Poacher, 5-digit English YL
This is a variation of the five digit English station. The tune "Lincolnshire Poacher" (which sounds like "Pop Goes The Weasel") is played at the beginning of the transmission. This station is most often heard in Europe and the eastern part of North America. I have often heard it being jammed.

# 3/2-digit English YL
These transmissions are very similar to the five digit transmissions, except that a distinct pause is heard between the third and fourth digits of each message block. It is not known if this signifies a different encryption system than used in the five digit transmissions.

# 5-digit German YL
Similar to the five digit German stations described below. Rarely heard (at least in North America).

# 5-digit German YL
These transmissions often open with tones or some sort of music. Sometimes, a two letter phonetic phrase is heard, such as "Papa Romeo". The preamble opens with "achtung" and a three digit block, generally presumed to be the recipient. (Perhaps it is really the number of the one time pad to be used to decode the message, and the two letter
phonetic sent at the beginning is the recipient. This makes sense to me because the agents would listen at the beginning of the transmission to see if the message is for them.) This is followed by "gruppen" and the number of message blocks to follow. The message closes with "ende". Commonly heard in Europe, and North America. This would tend to indicate a European transmission site. Indeed, several years ago, transmissions were DFed to a then East German location.

# 3-letter Phonetic (Mossad)
A female voice is used to repeat a three letter phonetic phrase (followed by a number), such as "Papa November Oscar Two". This can go on for hours before a message is sent. The message is generally blocks of phonetic letters. It is believed that Mossad (the Israel Intelligence Service) operates these stations, and they are often referred to as Mossad transmissions.

Loggings. Sequence: freq/UTC/Sex/language/number of digits/details

6955 1853 SS/YL/5 Opened with "Attencion", ended with "final" twice.
6955 1900 SS/YL/5 same format. 6955 is the notorious pirate freq
6960 2140 SS/EE/5 Ended with three tones, then caliope mx. Sounded like someone was trying to jam it.
3964 0208 EE/YL Victor Lima Bravo Two MOSSAD, RTTY QRM.
7490 0200 SS/YL/5 "Attencion 584 02", then into msg. Older YL.
Then "final" twice, then "Attencion 584 02" rpt
8186 0156 SS/YL/5 Morce Code @0158, then very faint audio for a few mins "Attencion 04499 150", then audio became normal. Young YL. Fidel really needs to get some new equip, this old stuff isn't working too well.
5156 0230 EE/YL/5 In USB sounds like "counting station", end at 0235
4270 0201 EE/YL/5 MOSSAD - alpha phonetic message
6798 0702 SS/YL/5
5417 0600 SS/YL/5 "Attencion 07900"; "07900...150", very weak
5436 0750 Low pitch polytones, very strong signal

Final ende fin end terminat.......... see ya all next month. Don't forget to write!  -Ary-

===========================================================================

The WUN Logs Column

Rick "RD" Baker, editor: 1352 Cavalcade Dr., Austintown, Ohio 44515-3844 USA
  e-mail: utelistener@msn.com or ae411@yfn.ysu.edu

Carl Quick, from Nashville, Tn, USA (cquick@vic.com); Roland Proesch, from Kiel, Germany (Roland.Proesch@kiel.netsurf.de) and Stan Scalsky from Leonardtown, Md, USA (sscalsk@atc.ameritel.net)

We have to report that Carl Quick, our recently added member of Team Logs, is apparently in a hospital after suffering chest pains. I have been unable to discover which hospital...I called all of them in his home town.

We all wish Carl a speedy recovery!

But since Carl was almost done working on this months posted logs (last names KhZ) we had to go back and try to find them all. So a few folks may have been left off inadvertently.

A nice variety again this month, although I wish I knew the secret to get more folks to contribute. Out of all our paper edition members, one member, Art Blair, sends logs. From our over 900 electronic edition members, we have 77 contributors this month. Some send 1 log, some send several pages. All are appreciated. Remember, it doesn't have to be rare DX...just what your hearing in your own back-yard can be interesting to others.

We have logs from France, Japan, New Zealand, Canada, Australia, the UK, Netherlands, Germany, U.S. Greece, Italy, Norway, eastern Europe and maybe a few others I missed for this month!

Remember, we try to edit these as close as possible to look for mistakes, but with this volume, a few are bound to slip through. I would appreciate if you would send any needed corrections, ID's, etc, to me rather than posting them over the WUN listserver. I do not read every post over WUN, and not every one to the very end. Someone e-mailed me
as to why a correction sent over WUN never appeared here. It's simple, I never saw it! We would like to provide the most accurate info possible so your help is appreciated.

Alex Wellner down in 'Oz' enjoys the many military callsigns one hears on HF. He sent me some "interesting logs" that you may enjoy:

The lighter side of Military comms.
The following was monitored, on several "discreet" frequencies.
0800Z RAYMOND calling ANDERSON, trying to REACH, HILDA. ANDERSON advises, that HILDA is in Scotland, and refers RAYMOND to MACDILL or MCCLELLAN.
0803Z RAYMOND wkg MACDILL. MACDILL says that HILDA is in PITREVIE CASTLE, but currently OVERSLEEPing.
0915Z MCCLELLAN raises RAYMOND. Says, that HILDA is awake, lying on a BEDSPREAD, with FOOTSORE. It seems, that while she was trying on her FEMA, Fabulously Expensive Morning Attire, she slipped and fell. RAYMOND asks if a glass of ORANGE JUICE might be REMEDIAL? Was told to call later.
1001Z RAYMOND wkg HILDA. Invites her to ASCOT to the races. Promise to pick her up in his SIDECAR. HILDA says, she prefers a limo. RAYMOND then asks her out to BOOMTOWN, where they can build a SANDCASTLE. HILDA says the day maybe a SCORCHER, and will consider. She may want to ride a CABLECAR at Chamonix. RAYMOND is not keen, he is not in a TOPNOTCH condition, and does not want to be RESCUEd.
1023Z SAM2 joins in uninvited. He asks HILDA to come with him, and his pals AUSSIE12 and KIWI1 for a DEERHUNT riding a STALION or maybe go for a BEAR. Brags about his TEAMWORK with the other guys. HILDA remarks, that SAM is not IMMORTAL, and in the past he used to fall off the horses, leaving them RIDERLESS. SAM says that he is quite a DAREDEVIL COWBOY, and not afraid even of a WILDCAT. HILDA remarks, that SAM may be a GIANT KILLER, but he is certainly no ROMEO. SAM gets huffy, says he is ACARS. As Cool As Ronnie Seinfeld. RAYMOND corrects that it should be Jerry Seinfeld. HILDA says, that SAM is COTAM. Clearly Obvious That Absolutely Mad, and severs the connection.
1430Z RAYMOND and HILDA are finally off to a picnic. RAYMOND hires a ROWBOAT. On the water they observe a PELICAN, see a FISHAWK, WILD EAGLE and a SWALLOW. They meet a boat with its MAINSAIL on. Later they feast on MACARONI, smoked TROUT, and a MAGNUM of champaign. They talk about DISNEY movies, the KEYSTONE kops, and the Return of the JEDI. RAYMOND mention, that later that night they could have a NIGHTWATCH, and maybe even spot a MYSTIC STAR or two. He asks HILDA to go dancing. She should wear SESEF, Something Elegant Suit Every Female. HILDA replies, that it would be very BRAVO for her to do the FOXTROT AND TANGO, as she is still FOOTSORE.
2000Z RAYMOND rings HILDA's DOORBELL, returning her PASSPORT and NOTEBOOK which she left in his SIDECAR. As the TWILIGHT turns into NIGHTFALL all they can see in the sky is AF1 looking like a GUNSTAR. HILDA remarks that AF1 is certainly no SKYKING. Shortly she thanks RAYMOND saying the night was like MAGIC. He takes her back to PITREVIE CASTLE.
2206Z RAYMOND wkg ANDREWS who asks how the day gone with HILDA. He replies, that it was EAM. Expensive And Maddening. ANDREWS remarks, that RAYMOND should have been aware of AWACS, Advance Warning Against Crazy Situations.
2209Z RAYMOND and ANDREWS out.
All the above callsigns/expressions were heard during February by WUN memebers. I hope you like it. Alex
handoff to VHF 135.77. (RB) Air Portugal 317 0513 USB wkg Gander/ARP 49N40W F330. Delta 106 0216 USB CD-BE wkg NY/Selcal check. (TO)

EIP: Shannon Volmet: IRE (EU-VOL) 0531 USB w/+30 wx, ID, "this is Shannon Volmet". (RB)

TOKYO ATC Jan 191305Z USB Secondary freq, primary 4666. (DA2) New York: (CAR-B MWARA) 0551 USB att to work Air Transport 506, no joy. (RB)


New York Arinc: (NA-CQ-LDOC) 0639 USB wkg 9M-MDZ also ID'ing as World 971 w/departure time & ETA Philadelphia, Pa, per Tony Orr this is a Malaysia Airlines DC10-30 leased to world. (RB)

Khabarovsk 0720 USB w/wx report. (AW)

Speedbird 057 0046 USB wkg N'djamena R, CHAD/ARP DIR 43 F330 BUNLU 0100. (TO)

SHANNON Volmet 0645 USB Very loud and clear this morning. (HW)

KLM 612 0149 USB wkg KLM Amsterdam LDOC/747-300 PH-BUM w/ETA AMS 0600. KLM 662 0251 USB wkg KLM Amsterdam LDOC/reg. PH-BUH w/ETA AMS 0650. (TO)

Speedbird 173 2102 USB wkg Speedbird London LDOC/flt unable to land JFK due to a/c being CAT-I; JFK only accepting CAT-III, divert to BOS. (TO)

SABENA 5052 0152 USB wkg Stockholm L. RDOC/ARP ADM 0154 F350 ETA BRU 0520 entrt Dakar-BRU A310. (TO)

Honolulu: (CEP-1/2 MWARA) 0527 USB wkg United 388 w/clearance msg, cleared to 360. At 0559 wkg Northwest 936 w/selcal ck, AL-GM (DC10-40 N159US). San Francisco: (CEP-1/2 MWARA) 0528 USB wkg Delta 1977 w/postrep, handoff to VHF freq. At 0558 wkg Orca 37 w/postrep, 131W at 0537, est next & contact Oakland control 134.15. (RB) Philippines 105 0712 USB wkg SFO/ARP STORM? F310 39N30W 0754. (TO)


Quantas 12 0723 USB wkg SFO/Reminder from Ops to turn on bulk cargo heat, two live dogs in hold.... (TO)

AAL 142 2011 USB wkg Chanwick. Shanwick advises to contact Rainbow Radio on 8819/13255: AAL dispatch req outside air temp when leaving FL390 for 370 (BH) Reach 33/35/36 0925 USB 45-40w to 47-50w /FL 160 (C-130s ?). Reach 4X5: 2307 USB 42N-50W to 41N-40W. Never heard a "4X...before. Reach 600 1940 USB Selcal FJ-BM. Titan 82 1025 USB to
WUN-v02

Rainbow Radio 2004 USB wkg Reach 430 w/selcal ck. (JS3)

Rainbow Radio 2004 USB wkg Reach 430 w/selcal ck. (JS3)

5604 BH 30289 1100 USB 57-30w to 57-10w. Sam 60202 1740 USB FL 410/selcal AF-HF/ 53-20w-53-15w. (JP2) BLUE 40 0958 USB wkg Gander/ARP 54N50W F330 .76 56N40W. United 940 0219 USB AQ-BG wkg Gander/Selcal check. (TO)


5643 AUCKLAND ATC Feb 100850Z USB wkg US Navy XD02, radio check while on ground (here) at Christchurch. These USN a/c fly between McMurdo (Antarctica) & Christchurch every day during the summer season. AUCKLAND ATC Feb 100910Z USB wkg a/c over Atlanta, GA. (DA2) QFA 44 0640 USB wkg Auckland, FL350 mach .85 to VHF, Auckland to Sydney. ANZ 14 0706 USB wkg Brisbane, a/c req guard on 5643. ANZ 14 0706 USB wkg Brisbane, FL370. QFA 54 0640 USB wkg Brisbane, Selcal check. Brisbane very loud & clear. Squawk Brisbane 2376 to 126.5 Brisbane Ctrl. VH-SVW 0652 USB wkg Brisbane, Selcal’ed several times. Eta Brisbane/0814. At 100 NM to 120.3 Brisbane Flight Service. (HW) Qantas 4 2013 USB ww Brisbane, ARP unreadable. (WdM)

Kenya 101 0137 USB wkg Cairo/ARP SML 34 F370 MRW 0204. TRU 701 0138 USB wkg Cairo/ARP SML 34 F330 MRW 0205. Alitalia 836 0145 USB wkg Cairo/ARP SML 34 F330 MRW 0205. Indonesia 976 2226 USB wkg Bombay/ARP but too much QRM for det. Air France 441 2332 USB wkg Khartoum/ARP SML 32 F350. Lufthansa 574 2338 USB wkg Tripoli/ARP GRT 36 F330 SHATI 2353. Zebra 215 2349 USB wkg Cairo/ARP DC10 Frankfurt-Mombasa SML 48 F330 MRW 15. Caledonian 015 2351 USB wkg Cairo/ARP SML 37 F310 SML 06. French Line 19 2235 USB wkg Cairo/ARP MRW 37 F310 SML 06. Caledonian 015 2236 USB wkg Cairo/ARP AVONO 2233 F310 KNA 2301. Liberte 195 2321 USB wkg Addis Ababa R/ARP AVUSI F310 QSY 125.1. Air France 6537 0057 USB wkg N998JB 0207 USB wkg Nairobi/ARP TESOS 0202. Air Lanka 506 FKAC 2003 USB wkg Bombay, ARP Alama, FL370. (WDM) 5667 Nippon 002 0931 USB wkg Honolulu w/posrep, selcal check. (Aw) 5676 Medan Radio (Indonesia) 2015 USB wkg Singapore 401, this is the first time I ever heard them on 5676! FL370 MDN (MEDAN) at 2105. The flight was asked to contact Medan on 3470 later. CTM0006 (VIP flight French Air Force) 2020 USB wkg re posn KAGLU/2016 FL390. The flight was directed to 5658/3467 Bombay Control. Colombo 1632 USB wkg Medan re info abt. flight ALH 718. (Hw) EMIRATES 071 1544 USB wkg @ "MABIX" (03-15N/94-50E) "C3-KQ" A-KEK A-300 Singapore - Male. SINGAPORE 419 1614 USB w/Madras @ "ANOKO" (07-8.2N/94-25E) "GL-DP" N12-CH 747-300 SINGAPORE AIR INDIA 411-1542 USB w/Madras @ "ANOKO" "HK-GM" VT-EJL A310-300. SINGAPORE 338 1614 USB w/Madras @ "ANOKO" "AE-HR" 9V-SMV 747-400 Singapore-Bombay. SINGAPORE 334 1703 USB w/Lumpur @ "TASEK" (05-15N/98-18E) "AL-GH" 9V-SMG 747-400 Sing-Paris. SWISSAIR 187: UTC? USB MD-11/HB-IWI/Singapore zu Turic. AIR FRANCE 157: UTC? USB A-300-300/FL370/Singapore to Paris. (Aw) (KW) 5632 Air Mike 967 Charlie 0850 USB wkg Tokyo w/selcal check. (Who is this?) (Aw) (Tony Orr sez it’s Continental Micronesia -LOGS) 5635 Air Afrique 853 2144 USB CE-FS wkg Dakar/ARP Ouaga-Dakar F280 est TD 2213 YF 2225, this is listed as a Fokker 100 in the OAG!. SABENA 519 2159 USB wkg Dakar/ARP BIMOG 55 F290 ETA Bamako 2245. Iberia 390 2200 USB wkg Dakar/ARP F280 2201 BIMUT YF 41 this is a 727 Las Palmas-Dakar. Roberts R. LIBERIA 2214 USB wkg Dakar/w/tfc rpt re: RK857. (To) 5656 SPIROW 854 1720 USB w/Ujung Pandang @"MK8S" "AR-CH" on the descent into Ambon. LTU 769 1502 USB w/Lumpur @ "SAPAM" (08-5.2N/97-32E) "EP-AJ" D-AMM 757-200 just departed Phuket, Thailand climbing through FL160 for FL310. CATHAY 261 1739 USB w/Calcutta @ "RISKO" (15-24.5N/93-15E) "HI-JK" VR-HOP 747-400 HK-Paris. CS A169: UTC? USB A-310-300/OK-WAB/Bangkok to Bahrain (JSM) 5657 Air traffic control for CAR 1520 USB wkg for SRFS. (MS2) (Tony Orr sez bad selcall as 1st/3rd letters must be lower than 2nd/4th, so RS-FS is ok, SR-FS is not -LOGS) New York Arinc: NY, US (CAR-A MWARA) 0520 USB wkg United 979 w/selcal ck. (RB) Boyeros R. CUBA 0204 USB wkg Clg Merida R. no joy. Cubana 461 0810 USB wkg Boyeros/actual Havana wx given. (To) 5658 Oasis 908 0712 USB CR-EK wkg NY/Selcal check. United 337 2109 USB EG-KS wkg NY/Selcal check est JAINS 2141. Ouaga Radio BURKINA 2110 USB wkg Abidjan w/personal msg re: telephoning "Sal" for the weekend. N290EC 2210 USB AC-EK wkg NY/ARP F410 out of BROOM. (To) 6004 WSY70: NEW YORK VOLMET Jan 260803Z USB Noisy. (DA2) 6028 New York: (NAT-E) MWARA 0530 USB wkg Air France 337 w/selcal 23N/50W. Springbok 201 0720 USB CQ-AS wkg NY/ARP 28N40W F350 30N44W 0750.85. (To) 6637 SOUTHERN AIR 873 0503 USB w/Miami "BG-CD" N873SS DC8-73 (Freighter) just departed Bogota for Miami (JSM) Houston: Universal Radio, Houston, TX US 0520 USB (NA-OC-LDOC) wkg United 993 w/selcal ck, at 0521 att to work Air Transport 018 who is clg "over New Mexico" but
no joy here for either. (RB) Fine Air 507 0743 USB JK-DE wkg Miami LODC/Selcal check o/h Cuba. Fine Air 704 0746 USB BL-CH wkg Miami LODC/enrt MIA-Piarco. United 983 0749 USB wkg Houston LODC/ARP LINDA 57 F330. (TO)

6646

Unid LODC: FF Aero comms 2343 USB in FF w/wx, caught "scattered" "dew point" and "dispatch"; suspected to be a Canadian LODC. (RB)

6679

Honolulu VOLMET 1204 USB weak w/air wx. (MS2)

8828

Honolulu VOLMET (PAChVOL) 0700 USB w/air hud. (RB)

8831


8837

El Al LODC 2040 USB wkg UNID El Al flight in Hebrew. (TO)

8846

New York: (CARhB MWARA) 2115 USB wkg American 1384 w/posrep, at 2116 WKG Delta 65 w/posrep, selcal ck BJ-GL, contact NY control 125.92. (TO)

6646

Honolulu VOLMET 1204 USB weak w/air wx. (MS2)

8828

Honolulu VOLMET (PAChVOL) 0700 USB w/air hud. (TO)

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Honolulu VOLMET 1204 USB weak w/air wx. (MS2)

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Honolulu VOLMET (PAChVOL) 0700 USB w/air hud. (TO)

8831


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El Al LODC 2040 USB wkg UNID El Al flight in Hebrew. (TO)

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8831


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6646

Honolulu VOLMET 1204 USB weak w/air wx. (MS2)

8828

Honolulu VOLMET (PAChVOL) 0700 USB w/air hud. (TO)
WUNhv02

0022 USB wkg Iceland ARP 85N/60W F330. Aeroflot 324 3/10/96 0024 USB wkg Iceland ok to F330 from 310. (PTZ2)

8894


8903

3230.3 Unid: 1025 RTTY 75/850 KAWN meteo (SS)
3232 AFS USAF Elkhorn 0111 FAX polar projection map of W. Hemisphere (LB)
3267.5 Guardia Civil, Sevilla 0215 ARQ (ANEE)
3282.2 Interpol Spain 2100 FEC 100bd/300Hz msg to: P.Cont w/APB's. (JJ2)
3451.5 "26": Irish Navy 0422 ARQ 51g's w/line #'s, EE op chatter. (ED) QA: Irish Military, Dublin, IRE 0707 ARQ wkg unid w/ack of msgs being sent. (RB)
3542.8 GKE1: Portishead R., G 0217 CW w/ID mkr + ARQ phasing sig. (RM)
3548 Unid: 0125 RTTY 50 poss Ankara Meteo, new freq? (ANEE)
3555 Unid: commercial signal UTC? MODE? Very strong into this location (NE U.S.) baud rate seems to be 191 with a 250Hz shift. My Hoka Code 3 can't handle it. (RC2)
3587.4 Unid: 1900 ARQ (ANEE)
3588.5 Guardia Civil Mahon, Menorca Island 1900 ARQ (ANEE)
3593.8 Unid: 0230 PACTOR 200 (ANEE)
3602.8 Unid: 0230 PACKET 300 French fig gatewayhbbs 0230 (ANEE)
3621.9 Unid: 0230 PACTOR 200 (ANEE)
3630.7 Unid: 0630 CLOVER poss. Croatian Army? (ANEE)
3667.2 Unid: 0230 ARQ-E 46.1 Egyptian NOTAMS. UNID: 0057 ARQ-E 46.1/170 4CRC Tfc on the hour KAA50011 serial appears decrementing but will be incrementing if Arabic. (DW)
3774 MOI Paris 2000 ARQ-E 100 tfc til 0430 (ANEE)
3774.0 Unid: 1830 ARQ-E 100 MOI Paris? idle, no traffic til 0400. (ANEE)
3903.7 D7FS 1645-1800 RTTY 75/170 admin tfc. (RB)
3908.2 MSF***: Irish Forces? 1735 Clover CW ID "de msf" other stn "de m??n3" (MC)
4007 Unid: 0630 ARQ-E 192? (ANEE)
4009.5 NNNO7DR: as NCS Navy MARS Ohio net 2220 RTTY 75/170 admin tfc. (RB)
4011 NNN0LTC: as NCS Navy MARS net 2222 RTTY 75/170 admin tfc. (RB)
4018.3 Unid: BGS Bundesgren Zschult 0335 FEChA hz, Germany? 96/85. (RB)
4023.7 Unid: 1925 VFT 2ch of 100bd/200 UNID FSK System, ALE? (MC)
4024.7 Unid: 1926 VFT 2ch of 100bd/200 UNID FSK System, ALE? (MC)
4025.5 MFA Warsaw: POL 0339 POLhARQ 100/425. (RB)
4032.5 AAR2AA: Air Force MARS net 2228 FEC wkg AAR2HD, 2IM, 2BF, 2UX, 2HG, 2JE in regional net. (RB)
4063.7 Unid: 1800 ARQ Spanish army? til 0600 selcall ximb is a base in Santander, selcall akpz is a convoy. (ANEE)
4072 Unid: 1618 PSK 2400bps UNID System (MC)
4081.5 Unid: RUS 2149 36-50 36bd/200 idle on 36bd reversals (MC)
4090 UNO Zagreb 0620 ARQ eng nx (BVR)
4160 Unid: 0041 UNID 110/170 u/i TP sys (RM)
4172.5 3FUB5: MV FAIRY QUEEN 0530 ARQ w/amver/sp maiden voyage! login 71070 3FUB5. (WT)
4173.5 WLDF: SS ARCO SAG RIVER 0616 ARQ w/tlx login: 10670 WLDF (WT)
4174.5 CNCK: M/V Saad 0506 ARQ w/tlx re ETA Lisbon. (RB)
4175 3FYE3: M/V DOMINIQUE 0653 ARQ w/tlx etd Miami. (WT)
4177 YLBO: TK Dizhon Rids 0639 ARQ tanker, w/"TD-1" report to LSC Tanker Dept, ETA Rotterdam, login 60640 YLBO. 3FU03: M/T Nereo 0703 ARQ w/AMVER/SP via WLO. WRGL: SS Trinity 0706 ARQ w/AMVER/FR via WLO. (RB)
4178 J8IP9: Antwerp Express 0713 ARQ w/tlx re delay due to bad wx. (RB)
4178.5 WRYW: President Adams 0331 ARQ posrep, 37.32/122.40W. (AB2) LAEY4: CONSENSUS MANITOU 0634 ARQ w/tlx ex-federal manitou? login: 21528 LAEY4. (WT)
4179 3EJO9: MSC Maria Laura 2354 USB w/AMVER/FR, vsl bound Wilmington, Charleston, Miami, Nola, & Houston. (RB)
4181.5 ELVF4: Nordortor 0619 ARQ w/tlx to "base Yotoritmo". (RB)
4203.5 3J8FY5: Unid vsl 0634 ARQ w/tlx re departed Szczecin, status of holds. PGQY: M/V Parkhaven 0656 ARQ w/discharge report tlx, ETA Steepbank, login 29430 PHAVEN. N/A: M/V Continental Beta 0705 ARQ w/posn to LSC Dry Cargo, 5412N/00525E, ETA Goteborg. N/A: M/V Guder 0723 ARQ w/tlx re crew matters via SAB, login 26676 GUDER. (RB)
4206 UYQQ: TKH Rostov 2325 ARQ w/login, 55246 UYQQ after sending selcall KYVV (UGC, St Petersburg Radio). (RB)
4210 KFS: San Francisco Radio 0544 FEC KFS Sending TELEX TIMES. At 0646, Pagina 249
4212.5 WOO: Ocean Gate R., NJ 0046 FEC wx. FFT21: St. Lys R., F 0051 CW ID mkr + ARQ phasing sig. (RM)
4214.5 VAI: CGG Vancouver BC, CAN 0234 FEC w/Meteo at 0200 start. (DF)
4215 WLO: Mobile Radio AL, US 0239 ARQ w/sitor free signal. (DF) Same, 0053 ARQ w/wx. (RM)
4215.5 WOM: Ft. Lauderdale R., FL 0055 FEC wx (RM)
4232 FUF: FN Fort de France, MRT 0056 RTTY 75/850 ry sg 10c w/o ID (RM)
4570 HZN46: Jeddat 1817 RTTY 100 wx (BvR)
4583 DDK2: Pinneberg R., D 0347 RTTY 50/400 coded wx (RM)
4601.5 OA: Irish Navy 1930 ARQ wkg PT-14 till 1945. Also FEC/100. (ANEE) Same, 0832 ARQ Opr ex "OA" and ~3 11"?" "zbz4-5 and qru's. Still on f22 as notels on board yet". At 0859 selcalls CVVD, no response. Selcalls CVVI. WX forecast for Irish waters (in sitor/B) then BBC shipping forecast. "141 de 11 int qslwx". (DW)
4610 GFA22: Bracknell Meteo 2214 FAX. Ice charts. (LB)
4641 Unid: German MFA? 1615 228.7bd/170 MERLIN (MC)
4643 Unid: 2121 FSK 150bd/850 UNID FSK System, M:S=1:1, synch, cont (MC)
4643.9 RFLIGA: NAVY CAYENNE, GUF 0200 ARQhE 192/170 CdeV + idle (SS)
4647.9 Unid: 2157 UNID 300bd/200 Packethlike, ACF=10, DGPS info (MC)
4847.8 Unid: 0630 ARQhE 51 sure wish i knew who ran these 50h51 baud ones (ANEE)
4853.3 NPM Hawaii 0052 FAX ? polar projection map-poor (LB)
4855 NHF: Usn Roosevelt Roads 0611 FAX 120/576 wx chrt (BvR)
4901.7 MFA Cairo 1800 ARQ MOI circulars (ANEE)
4924.4 Unid: 1346 ARQ several guys (hams?) trying to set up a "232" for data transmission; repeated attempts to send; even tried AMTOR mode; used SELCAL "ACAF" at one point; not a MARS channel in my book. The unit is probably a PK-232n, a ham gadget (note use of LSB). (MS2)
4990.4 Unid: 2000 RTTY 75bd/400 AXXX and TAF meteo rpts (MC)
5071.6 RFFA: MoD Paris, F 0535 ARQhE 192/425 idling. (RB)
5097 CFH: Halifax Military, NS, CAN 2332 RTTY 75/850 coded meteo. (AB2) Same, 0529 w/NAWS marker. (RB)
5099.7 RFTJ: French Forces, Dakar, 0526 ARQhE3 Sen, 192/425 idling, should be circuit AFL to Paris. (RB)
5111.7 Unid: 1474 FSK 75bd/80 async continuous, no ACF, NATO CRATT? (MC)
5117.5 TYE: ASECNA Cotonou, BEN 0524 ARQ-M2 96/425 idling. (RB)
5121 Unid: 0745 ARQ-E 192 on an hour later than normal today also no 96n here for awhile. (ANEE)
5154 ICR ? LOC 1637 PACTOR End of tfc in EE. Signed Bonefield/ Boudreaunrono then off air. (DW)
5158.5 Unid: 0519 ARQ idling in receive & off. (RB)
5164.4 FRENCH PREFECTURES NET 0816 ARQ Monitor to disc. Testing of various stations FIT518/536/537/545. Mention of "sdti" and "fichier.doc Word 6.0". Also "essai" (trying, testing). New selcal BEDO. (DW) FIT537: French Prefecture 0734 ARQ MSGs abt road condx to FIT18 (selcal BOCH) (MC)
5221.3 Unid: 0510 ARQ-E 72/425 Idling, RFFGFC??. (RB)
5222 TYE: ASECNA Cotonou Benin 0654 RTTY 50/380. Ry's & Ident. Unlisted channel. (PS)
5257.2 Unid: 2026 VFT: 2ch of 100bd/200 UNID FSK System, ALE? (MC)
5253 V5G**: Romanian MFA, Bucharest 2107 ROU-_SEC 164.5bd/400 MSGS to Strasbourg after "::::::" (MC)
5253.7 Unid: 2025 VFT: 2ch of 100bd/200 UNID FSK System, ALE? (MC)
5287.5 Guardia Civil Palencia UTC? ARQ (not Valencia). (ANEE) Guardia-Civil Valencia (tent) 0715 ARQ 100bd/170Hz traffic. (JJ2)
5291.5 Unid: 2115 VFT: 3ch of Piccolo, all ch idle (MC)
5299 Unid: 1556 MERLIN 228.7bd/170 (MC)
5310 Unid: RUS 2122 81-81 81bd/250 tcf (MC)
5320.5 Guardia Civil Albacete, Guadalajara UTC? ARQ. (ANEE) EHM5: Guardia Civil, JECOR Albacete, E 0633 ARQ 100/425 sending selcal & tcf for TYME, JESUBSTRA Madrid; at 0720 TXXX for Jebhelma II; & at 0750 W/TYMT for JECOR Toledo. (RB)
5332 Unid: RUS 1756 81-81 81bd/200 tcf (MC)
5346 Unid: RUS 1633 81-81 81bd/200 tcf (MC)
5354.5 Unid: 1800 ARQ tcf til 1830. (ANEE)
5355 RND77: MOSCOW MET 1920 FAX 90/576 Chart end showing India, SE Asia & W Pacific. (DW)
Guardia Civil Valdemoro (HQ) 1645 ARQ wkg JECOR Guipuzcoa 1645
(jecor=jefe coronel) (guardia 4 mhz and up are all 0600-1800, 3mhz & below are 1800-0600) (ANEE)
5385 Unid: 1930 ARQ (ANEE) (cud be USN NAVMARCORMARS -LOGS)
5397.7 RFFP: MoD Paris, F 0502 ARQ-M2.200/425 idling. (RB)
5418.5 Unid: 0715 ASCII encrypted ascii 110. What is the difference between
ira-arg and ascii anyway? (ANEE)
5438 Unid: 0715 ARQ tfc til 0815. (ANEE)
5477.4 HGX21: Hungarian MFA, Budapest 0741 ARTRAC 125bd/170 NX in Hungarian
(MC)
5486 MFA Budapest 0645 DUP-ARQ 125 (ANEE)
5722.5 Unid: German Diplo? 0800 ARQ-E 85.7bd/170/4/I crypto (MC)
5732.5 Unid: 0630 ARQ-E 72 new French MIL link. At 1630, French Military,
probably internal circuit til 0500 no tfc (ANEE)
5744 OMZ66: Czech MFA, Prague 0709 RTTY 100bd/500 MSGs and ident keyed on
mark tone "de omz66" (MC)
5745.7 EGI Berne 1930 ARQ wkg EGI Teheran or EGI Cairo (ANEE)
5773.2 MFA Berne 0815 ARQ tfc to Warsaw & Tel Aviv. (ANEE) HBD20/6: Swiss
MFA, Berne 0733 ARQ clg "BMZY" (UNID Swiss Embassy) (MC)
5774.5 Unid: 0380 ARQ idle (ANEE)
5777.2 Unid: 0815 ARQ poss. UNO (ANEE) (prior logs here of UNO in HC-ARQ
-LOGS)
5790 Unid: Polish MFA,Paris 1622 POL-ARQ 100bd/250/5/E Claris msgs
"wsjll:paryz" (MC)
5795.5 Unid: 1624 Piccolo-12 crypto tfc (MC)
5840 6XM8: BND,Germany 1905 ARQ-E 288bd/195/8/I crypto tfc (MC)
5852.7 Unid: 0735 PSK 2400bps UNID System (MC)
5879.7 RFFA: 0000 ARQ-E 192 w/tfc to RFLI til 0930. New sked used to be off
at 0730 (ANEE)
6223.3 Rig Percy Johns 1953 ARQ personnel list to Noble Drilling West Africa
Port Hartcort (BvR) (interesting snag! -LOGS)
6263 C6IF3: M/V LEON 0704 ARQ w/tlx login 29260 C6IF3 (WT)
6264 LYDF: Pakruoyis (per ITU) 0627 RTTY in 50/170 RYRY/DE to LYK, no joy.
(RB) KQ2XVJ2: 0210/1850 ARQ rx only login 10942 KQ2XVJ2?? (WT)
6267.5 3ESE9: M/S Sensation 0157 ARQ Carnival Cruise Lines 70,367 GWT
cruiseship, w/tlx to T/SS Seabreeze. OULQ2: M/V Christina C. 0444 ARQ
w/tlx in unid lang, login 03988 OULQ2. (RB) OVTX2: M/V KIS SOBYE 0224
ARQ w/tlx login: 05161 OVTX. Unid: 0519 ARQ gru/gru login 29298
SPIRIT. ZCUX: M/V REPUSS BAY 0729 ARQ w/tlx's login 48696 ZCUX. (WT)
6269 P3UQ2: M/V Ptolemeos 0448 ARQ cargo vsl, w/tlx to Sea Adventure,
Athens. (RB) P3UQ2: M/V PTOLEMEOS 0449 ARQ w/tlx login 00536 P3UQ2
(WT)
6270 V2KS: M/V Estetrum 1406 ARQ w/tlx in GG, login 76077 V2KS. (RB)
6270.5 SYZO: M/V Samos 0311 ARQ w/tlx re arrival Sâb Francisco. (RB)
6272 EOIQ: M/V Arm Khachatury 0635 ARQ BLASCO general cargo vsl,
w/DISP-1 report from master KM Tsybul'sk'yi, login 67712 EOIQ. (RB)
6272.5 PMC: CAMSPAC Point Reyes, Ca, US 0610 ARQ w/sitor free signal, CW ID
"NMC", have found NMM here in ship area before w/sitor signals to
maintain comms w/USCGC Eagle. (RB) C6FA3: M/T KENNETH T. DERR 0556
ARQ w/bbxx (WT)
6273.5 WSNB: SS KENAI 0115 ARQ w/tlx dept pt angeles. LOGIN 10738 WSNB (WT)
6274.5 C6SX: M/V BLACK SEA 0143 ARQ w/tlx, et ambrose pilot. LOGIN 70066
C6SX. (WT)
6301 ELKL3: M/V Front Climber 0726 ARQ w/ss tlx of crew names. (RB)
6302 SCIN: M/V Lidan 0759 ARQ w/ETA tlx, login 26992 LIDA. (RB)
6303 UKVD: TKH Novokubyshevsk 2126 RTTY in 50/170 RYRY/DE to UGC, St
Pagina 251
Petersburg Radio, & into crew TG's. (RB)

6303.5
LYCK: M/L Nida 0706 RTTY in 50/170 RYRY/DE to LYK, & into crew TG's. (RB)

6304.5
UAVH: BMRT Viktor Mironov 0708 RTTY in 50/170 RYRY/DE to RKLM, & into crew TG's using hull#/ID ABh0026 (ARH/KRH). (RB)

6305
UANI: NPS Artemida 0745 RTTY in 50/170 RR admin tfc for posn (5515N/04000W), & ETA Rotterdam from master, KM Berezenko. (RB)

6313.5
KFS: San Francisco, CA 1653 FEC wx. (AB2)

6315.5
USU: MARIUPOL RADIO 2211 ARQ telex msgs. (DG) KFS: Palo Alto Radio, Ca 0425 FEC w/tfc list. (RB)

6316
LSD836: Buenos Aires Radio, Argentina 0634 FEC w/"Lista de traffico" tfc list. (RB)

6320.5
FFT31: ST. LYS RADIO 2205 FEC 100/170 wx tfc. (DG)

6340.5
NMF USCG Boston 2030 FAX wx maps including 48 hr. Marine Forecast for Atlantic Ocean. Very good (LB)

6349.9
HWN 0036 RTTY "RY" test loop 72/850 Reverse (LB)

6364.5
GYA London 2045 FAX map unreadable (LB)

6371
GYU: Royal Navy Gibraltar 0450 RTTY 75/850 availability tape. (RB)

6452.5
FUM: Papeete, French Polynesia 1352 RTTY 75/850 RY's & DE FUM. (AB2)

6531.7
Egyptian embassy, Khartoum 1700 ARQ wkg MFA Cairo til 1745 personal message from the ambassador to the Minister of Foreign Affairs, Info Press, Information & Sudanese Affairs sections (ANEE)

6556.7
MFA Cairo 1800 ARQ wk Rome til 1915. (ANEE)

6567.7
Unid: EGYPTIAN EMB. ROME 2151 ARQ 100/170 ATUh80 msgs. (DG)

6611.7
MFA Cairo 2000 ARQ wk Berne exchanged phone numbers only til 2015. (ANEE)

6643.7
EGI Cairo 1645 ARQ wk EGI Khartoum till 1730 (ANEE)

6645.7
Egyptian Embassy, Paris 1900 ARQ wk MFA Cairo til 2000 (ANEE)

6676.7
MFA Cairo 1830 ARQ wk Paris, Niamey, Wash. DC til 1945. (ANEE)

6678.7
Unid: 0830 PACKET 300 isomar net. (ANEE)

6711
MFA CAIRO 1821 ARQ ATU-80 msg (diplo tfc) (DG)

6711.7
MFA Cairo 1945 ARQ w/tfc from Rome (ANEE)

6723
UNID 1652 LINK 11 Meter pinning LINK 11 signal with 14 pulses. (JH)

6734.7
Egyptian Embassy, Rome 1945 ARQ Relaying embassy Rome circulars til 2015. (ANEE)

6737.8
Egyptian embassy, Rome 1845 ARQ wk MFA Cairo til 1945 (ANEE)

6741.7
Tunisian Navy 2100 ARQ idle (ANEE)

6745.3
Tunisian Navy: (Unid vsl) 2130 ARQ w/"routine secret' tfc, weak, move from 6741.7? (RB)

6771.7
Unid: 0530 ARQhE3 192 French MIL till 0700 (ANEE) (RFLI & RFLIA logged here before in same mode/baud -LOGS)

6791.7
MFA Cairo 1645 ARQ wkg MFA Cairo till 1745 (ANEE)

6802.1
KGD34: NCC, Arlington, VA BBS 2020 PACTOR for SHARES exercise, NNN0MDA (Navy MARS) accessed the BBS, reply was "Welcome to SHARES exercise 96-1 BBS." Into SitorhA at 2025 & briefly SitorhB at 2027. (JM)

6804.7
Italian Diplo/Mil, 0738 1200-FSK 1200bps UNID System (MC)

6811.7
Unid: DIPLO 0741 1200-FSK 1200bps UNID System (MC)

6812.7
MFA Rome 1815 ARQ tfc to unid Italian Embassy (ANEE)

6812.7
MFA Rome 0645 ARQ 100 idle up early today (ANEE)

6825
AAP4TKY: 2141 Packet Army MARS Sta. w/tfc to AAA3USA. (RM)

6836
NNNOMDA: USNMARS Manchester, NH 0726 PACTOR-1 100db/200 Mailbox fwd to NNNOCYZ (MC)

6836.7
Unid: 2333 ARQ-E3 192 French MIL till 0700 (ANEE) (RFLI & RFLIA logged here before in same mode/baud -LOGS)

6836.7
MFA Cairo 1645 ARQ wk London til 1745 (ANEE)

6856.7
MFA Cairo 1900 ARQ wk Moscow and to Abu Dhabi, Beirut, Paris & a relay to EGI windhoek from EGI Cairo via EGI Paris, msgs from MOD Cairo to attache Paris til 2030. At 1830 wk Paris til 1930 back half of link QSY'd several times: at 1845 to 6845.7 then 6851.7 then 6822.7 then on to 7746.7 w/most urgent and immediate 5lg's msg at 1915 then paris relayed msgs from embassy Nouakchott. At 1930, EGI Cairo 1930 ARQ wk EGI Paris 1930-2000, then MFA Cairo MOL affairs msg to many embassies, then 2015-2030 from MFA Cairo to embassy.
Paris. (ANEE)

6886.7 EGI Cairo 1815 ARQ wkg Islamabad w/encrypted tfc til 1900 (EGI = Egyptian General Intelligence). At 0730, Unid Egyptian Embassy wkg MFA Cairo (ANEE)

6896 Unid: 1216 ARQ-EG 72/400 idle. (DG)

6901.5 Irish Navy: 1900 ARQ Irish Navy vessel selcalling PT-44 wx office til 1915 (ANEE)

6915 BAP46: XINHUA NX BEIJING 1851 RTTY 75/850 nx tfc. (DG)

6936.7 RFLI: 0315 ARQ-E3 192 wkg RFTJ til 0800 (ANEE)

6940.5 Unid: 0727 VFT: 2ch of Piccolo6, eng. ch idle (MC)

6940.9 Unid: 0726 VFT: 2ch of Piccolo6, crypto tfc (MC)

6946.8 P3D**: 0802 FEC-100 96bd/400/E "ry..ry p3d qbf p3d", crypto MSGs (MC)

6962 MFA Oslo 0900 F7B 100 (ANEE)

6963.5 Unid: GermanF? 1017 VFT: 3ch of 192bd/170/I FEC-100, idle on RQS, 700Hz ch sep (MC)

6975 6VU: ASECNA DAKAR 1837 RTTY 50/500 air tfc. (DG)

6976 RFFFCA: MOI Ajaccio 0700 ARQ-E3 192 (ANEE)

6981.9 SAM: Swedish MFA, Stockholm 0724 SWEDhARQ 100bd/400/9/I MSGs/5/LGs to Teheran, St Petersburg (MC)

6984 MFA Warsaw 1900 POL-ARQ tfc to Europe, up 2.5 hours later than normal today (ANEE)

6987 Unid: 0751 75bd/200 NATO RATT (MC)

6995 Unid: 0845 USB Arabic maybe Algeria? til 0900. (ANEE)

7398 NHF: Usn Roosevelt Roads 0612 FAX 120/576 wx chrt (BvR)

7435.5 MOI Paris 0700 ARQ-E3 100 weak new link to Marseille? (ANEE)

7449.5 MFA Rome 0900 ARQ wkg Vienna, Oslo, Helsinki, Berne, Stockholm, Malta 0900-1000, encrypted tfc. At 0700 ARQ selcalling Embassy Malta (ANEE)

7456.7 RFTJ: FF Dakar, SEN 0134 ARQ-E3 192 AFL ct. (RM)

7460.3 Unid: French Forces? 0430 ARQ-E3 192/425 idling. (RB)

7467.9 MFA Copenhagen 0915 ARQ 0915-0930 weak. Also F7B/100. (ANEE)

7468 OZU25: MFA COPPENHAGEN 1205 TWINPLX 100/800 diplo tfc (DG)

7512 ZRO2: PRETORIA METEO, RSA 0023 RTTY 75/400 wx tfc. (DG) Same, 0348 RTTY 75/425 w/ FF tfc, then at 0354 w/wx for S. Africa issued by S. African Wx Service. (RB)

7522.7 Unid: 0700 ARQ-E3 192 new French MIL link 0700 (ANEE)

7564.5 Unid: 0715 RTTY 50 unid Arabic press 0715 (ANEE) (VIX75 INA Baghdad -LOGS)

7567.4 C37A**: MOSSAD, Jerusalem 1659 ARQ-E 288bd/330/8/E ARQ-E, crypto tfc (MC)

7575 Unid: 0117 UNID 110/170 unid TP sys. (RM)

7586 RFVITT: FF Dzaoudzi, MYT 2214 ARQ-E 96 idle for sev hrs. (RM)

7592.2 Unid: RUS 0733 MS5 12 tone vocoder (3300Hz pilot). (MC)

7593.8 IEA20: Italian Army 0715 RTTY 50 encrypted tfc til 0830 (ANEE)

7596 5UA: ASECNA NIAMEY 2336 ARQhM2 96/400 idle. (DG)

7606.7 SNN299: MFA WARSAW 0759 ARQ-POL 100/250 4CRC Tfc list for Vienna emb. The tfc in Polish p/l. Later tfcto Belgrade, Berne, Ankara, Sofia, Bucharest. (DW)

7614 RFFH: 0730 ARQ-E 3 192 (ANEE)

7616.7 MFA Cairo 1530 ARQ wkg Abu Dhabi til 1630 (ANEE)

7620 Royal Navy: 2135 RTTY in 75/850 RRYY & VMGTCNJ, back into encrypted GQX RN London fleet tfc. (RB) Unid: 1815 RTTY 100 encrypted (ANEE)

7622 SNN299: MFA WARSAW 0759 ARQ-POL 100/250 4CRC Tfc list for Vienna emb. The tfc in Polish p/l. Later tfcto Belgrade, Berne, Ankara, Sofia, Bucharest. (DW)

7631.7 MFA Cairo 05645 ARQ wkg Doha, Qatar (ANEE)

7639.2 Paris GPS station 1730 FEC w/GPS data. (ANEE)

7643.3 RFLI: French Forces, Fort de 0428 ARQ-E3 France, Martinique, in 192/425 Controle de Voie. (RB)

7644.2 FF PARIS [RFFVA]? 2355 ARQ-E3 100/400 8CRC.Betas. Then off air. (DW)

7650 BZR67: XINHUA, Beijing, PRC 0005 RTTY 75/425 w/ RRYY QRA, DE & ch.ID/freqs. (RB)

7672.5 Unid: 1715 RTTY 125 encrypted (ANEE)

7673.7 Unid: 2102 VFT: 2ch of 100.3bd/200 UNID FSK System, ALE? (MC)

7674.2 Unid: 2104 VFT: 2ch of 100.3bd/200 UNID FSK System, ALE? (MC)

7675.2 Unid: 2105 VFT: 2ch of 100.3bd/200 UNID FSK System, ALE? (MC)
7677 MFA Berne 0914 ARQ w/5flgs (SM)
7678.5 HBD20: MFA Berne 1745 ARQ sel calling embassy Bucharest til 1815. (ANEE) Same, 1140 ARQ 5flg's/diplo tcf (DG) Same, 1238 ARQ 5lg's (ED)
7693 3BT3: VACOAS MET 0018 RTTY 75/850 0020z tx on, idle on space. 0033z straight into met tcf without start-up or ID. Originator FIMP Mauritius/Sir Seewoosagar Ramgoolam Intl. (DW)
7701.7 MFA Cairo 1745 ARQ tcf til 1845 (ANEE)
7710 VFF: CCG Iqaluit, NWT, CAN 2110 FAX 120/576 w/what ap to be ice chart, thought this sta was closed for winter? (RB)
7711.7 MFA Cairo 1930 ARQ tcf from Bonn til 2115 (ANEE)
7721.7 Egyptian MFA, Cairo 1851 ARQ ATUh80 to Embassy Rabat (kds kdfykc) (MC) Same, 1645 ARQ new circuit (ANEE)
7723.7 MFA Cairo 1800 ARQ wkg Algiers til 1900. (ANEE)
7726.7 MFA Cairo 1530 ARQ wkg Abu Dhabi til 1630 (ANEE)
7742.6 Unid: 0752 Link-11 net (MC)
7748 RAW 78: Moscow meteo 1945 FAX 90/576 wx chrt (BvR)
7750 Unid: RUS 1611 81h81 81bd/250 tfc (MC)
7755.2 RFQP: FF DJIBOUTI 0116 ARQhM2 200/350 ch a: idle ch b: C/I RQF from RFFR to RFQPCS w/C de V (SS)
7784 APS: OFFUTT AFB ELK HORN, NE 0922 RTTY 75/850 KAWN meteo (SS)
7786 MFA Warsaw 1830 POLhARQ 100 tfc from London - 2 hrs late today. (ANEE)
7816.7 Unid: Chinese Diplo, ??? 1654 4+4 (MC)
7821.7 MFA Cairo 1630 ARQ wkg embassy Tunis til 1715 w/circulars/comms servicing messages (ANEE)
7823 LKF: Soud 1203 RTTY 75/500 5fig GPS. (DG)
7823.7 MFA Cairo 1545 ARQ wkg Tunis til 1645 w/msg to radio statistics bureau (ANEE)
7824 V5G***: Romanian MFA, Bucharest 2054 ROU-FEC 164.5bd/400 Diplo circulars "circulara" (MC)
7832 Unid: RUS 0744 OQPSK 1280bps (MC)
7845.7 EGI station, Geneva 1845 ARQ wkg EGI HQ Cairo til 2000 (ANEE)
7855 ROK: Moscow meteo 1822 RTTY 50 wx (BvR)
7858.7 Unid: Italian Diplo 0745 1200-FSK 1200bps UNID System (MC)
7863.5 SPW: Warsaw Radio, Poland 1657 FEC Traffic List in SBRs mode (MC)
7870 NHF: USN Roosevelt Roads 0606 FAX 120/576 wx chrt (BvR)
7896.7 RFLI: FF FT DE FRANCE 0727 ARQ-E3 96/400 8CRC. Hung in a loop "rq_rfli". (DW)
7909.6 Unid 0930 ARQ unid prob. intl org/oil co conversation btwn horst/bob til 0945. At 0745, unid U.S. (news?) crew abroad-unid loc til 0945. It may also be tech reps. On another day, Seismo crew, Libya 0730 ARQ wkg Hannover. Mystery solved: originally thought this might have been a press crew. They report every saturday AM (ANEE)
7916 DGG91L2: PIAB BONN 0643 FEC-A 96/400 Start up sequence, Feb Schedule & German press for Europe. (DW)
7917.5 Unid: 0734 VFT: 2ch of Piccolo-6, engineering ch. idle (MC)
7917.9 Unid: 0735 VFT: 2ch of Piccolo-6, crypto tcf (MC)
7931.7 MOD Cairo 1800 ARQ wkg Defense Attache Algiers til 1915 w/5l grps, then msg requesting $2000 instead of $1500. (ANEE) Unid: Chinese Diplo, ??? 1700 4+4 (MC)
7960 OMZ: MFA PRAGUE 0810 RTTY 100/400 nx items. (DG)
7969.5 Unid: 1845 ARQ weak til 1900 (ANEE)
7983.7 Unid: 0832 ARQ-E3 48/400 idle. (DG)
7983.7 RFTJ: French Forces, Dakar, 2140 ARQ-E3 Sen, 48/425 idling, at 2258 w/Controle de Voie on circuit TJF. (RB)
7994.2 RFFVAT**: French F, Incirlik 1704 ARQ-E3 200bd/400/E 5LGs to rffv** stns (MC)
7998.2 Unid: 0830 ARQ-E 96 (ANEE)
8001.7 RFH3: Papeete, OCE 0830 ARQ-E 96 wkg RFLI til 1000 w/5l tcf (ANEE) Same, 0903 ARQ-E 96/400 idle (SS)
8008 Unid: Czech MFA, Prague 0734 300.4bd/400 IRA-ARQ, crypto fm "Praha" to "PARIZ,LISABON,STRASB" (MC)
8020.5 Unid: 2133 VFT: 2ch of Piccolo-6, engineering ch. "speak to u soon kkkilo" (MC)
8020.9 Unid: 2136 VFT: 2ch of Piccolo-6, crypto tcf (MC)
8026.7 MFA Cairo 1630 ARQ wkg Doha, Qatar til 1700 (ANEE) Unid: 2118 ARQ-M2 200/425 Idling. (RB)
8384.5 SYYP: Winner 0102 ARQ tlx for Coastal Maritime, Piraeus. (AB2) C6IF3: M/V LEON 0210 ARQ w/tlx to: cavo d’oro nav (piraeus). Login 29260 C6IF3. (WT)

8385 SXNU: Mv Ruby 1833 ARQ tlx tfc pos Sues (BvR)

8386 DZSA: LUMINOUS ACE 0500 ARQ w/amver/fr arr Honolulu. C6FA7: GEORGE H WEYERMANN 0558 ARQ w/bbx. WRYW: M/V PRESIDENT ADAMS 1910 ARQ w/msg to: plead ctnl. Kaohsiung (Taiwan) to L.A. (WT)

8387 P3UQ2: Ptolemeos 1618 ARQ msg check, selcall 00536. OXSF2: Axel Maersk 1637 ARQ msg. (AB2) ELAJ6: M/V Rosina Topic 0522 ARQ bulk carrier, w/ETA Cristobal, Newcastle, login abbrev “ROSTOP”. (RB)

8388.5 SQDH: M/V NARWIK 0108 ARQ in opr mode login 43248 SQDH. SQRJ: ACAMAR 0652 ARQ w/tlx login: 43132 SQRJ. SQLY: M/T CASSIOPEIA 0702 ARQ w/tlx to: gdynia. login: 43105 SQLY (WT)

8388.5 PJPO: Super Servant 0124 ARQ tfc in unid lang, “Amazon River” mentioned. (AB2)

8389.5 KNJD: SS BLUE RIDGE 0605 ARQ w/wx obs login 11132 KNJD. (WT)

8390 9HZH3: Seabee-1 0124 ARQ outbound from Asan, S. Korea, ETA Port Angeles & 0600 position 47.43N/134.17W. login 63341. (AB2) P3MZ6: M/V Aerosmith 1638 ARQ bulk carrier, w/tlx for supplies needed at Nola, login 29543 PROD. (RB) 3EKA9: ARTESIA 0137 ARQ w/tlx, ETA c.christi.

8391.5 EWDT: TH Khudozhnik Moor 0550 ARQ w/admin tfc to Novorossiysk Radio from master, KM Demchenko. UNSW: TKH Kapitan Bukmakin 0559 ARQ w/crew TG's to Arkhangelsk Radio. YLAQ: TKH Vasilyi Fesenkov 1405 ARQ w/crew TG's login 60621 YLAQ. UGSH: TH Slavyanka 2358 ARQ w/crew TG's via Vladivostok rdo. (RB)

8392.5 ELNJ4: Izmaylova 0013 ARQ msg ck. (AB2) UVLQ: TKH Marshal Zhukov 0524 ARQ w/DISP-1 report. UDSX: TK Vera Maretskaya 2107 ARQ w/NVRTLG+ crew TG's, (NVR/MMF). UNES: TH Marshal Budenny 2210 ARQ bulk carrier, w/DISP-1 report from master KM Artem'ev. (RB)

8393.5 UUUB: RKTS Marshal Sudets 2005 ARQ in 50/170 RYRY/DE to URL, Sevastopol Radio, & into crew TG's to same. UVKG: RTMS Stratosfera 2015 RTTY in 50/170 RYRY/DE to URL, & w/crew TG's, admin msgs to same. (RB)

8394 3FVK3: M/V Hai Ji 0314 ARQ w/AMVER/PR. UQTD: BKRT Nataliya Kovova 0328 ARQ in 50/170 RYRY/DE to URL, Sevastopol Radio, & w/admin tfc from master, KMD Nikiforov. C6DJ: M/T Star wilmington 0402 ARQ w/tlx to Croatia. (RB)

8395.5 ENYP: RTMKS Kapitan Butrimov 2012 RTTY in 50/170 admin TG's to Kerch Radio from master KMD Grigogenko. UNCH: BMRT Gazgan 2217 RTTY Factory Fishing trawler, in 50/170 admin TG's to Odessa Radio from master. (RB)

8395.5 EOXO: SRTM Goryn 0330 RTTY in 50/170 RYRY/DE & into crew TG's of (SVS/MRH). UFIF: RTMA Peredozik 0517 RTTY in 50/170 RYRY/DE to URL & w/crew TG's to same (SVS/MRH). (RB)

8396.5 DUWJ: M/V Sapphire 2131 ARQ w/tlx to Oceanroutes San Francisco, login 76739 DUWJ. (RB)

8397 UZGH: TKH Kapitan Ponomarev 0753 ARQ w/DISP-2 report to UCE from master KM Kotylarenko, note ITU shows s/c chg’ed to UCBO, but old c/s UZGH is still used in tfc. UIUR: TKH Petr Strelikov 2324 ARQ bulk carrier, w/ARHTLG+ crew TG's to Arkhangelsk Radio. (RB)

8398 ENYP: RTMKS Kapitan Butrimov 2012 RTTY in 50/170 admin TG's to Kerch Radio from master KMD Grigogenko. UNCH: BMRT Gazgan 2217 RTTY Factory Fishing trawler, in 50/170 admin TG's to Odessa Radio from master. (RB)

8398.5 My Swan 1833 ARQ tlx to Oslo (BvR) TCSX: Mariner Pacer 0832 ARQ w/port entry msg to unid port authority. (RB)

8399.5 UYHW: Ilya Kulik 1632 RTTY 50/170 tfc for Singapore. (AB2) YLGC: TR Beringa Sala 2320 RTTY in 50/170 admin TG's to Riga Radio. (RB)

8401 UGAA: Unid SA-0597 2140 RTTY in 50/170 RYRY/DE to UAT, Moscow Radio & into admin tfc to w/home port shown as Kholmsk (HL/MRH), QSY's to Pagina 256
8401.5 UKTP: TKH Rovno 0435 RTTY in 50/170 RYRY/DE to URL, & into crew TG's, c/s was chg'ed per ITU to ENLO, but UKTP still used in all rdo tfc. UWLT: TH Kapitan Kadetskiy 1900 RTTY in 50/170 crew TG's to Odessa Radio, vsl at Trinidad. (ODS/UMF). EMNT: TKH Zhitomir 2017 RTTY in 50/170 RYRY/DE to URL, & w/crew TG's to same, Odessa Radio. URJA: TKH Stepan Artemenko 2019 RTTY in 50/170 tfc, but seemed to use name TKH Mekhanik Dem'uzbeonyj in TG's, poss name change. UEXI: RTMA Il'men' 2338 RTTY in 50/170 crew TG's to K-Grad. (RB)

8402.5 UVHZ: Demyan Korotchenko 0005 RTTY in 50/170 RYRY/DE to UIW, Kaliningrad Rdo, & admin tfc from master, KMD Skachkov. UBWS: RKTS Nikolai Fil'chenkov 1929 RTTY in 50/170 admin tfc to Sevastopol from master, KMD Kazurov. UVAU: M/V Zoya Kosmodemynskaya 2024 RTTY in 50/170 RYRY/DE to UIW, Odessa Radio, & into crew TG's home. (ODS/UMF). UNMJ: BATM Dzhaparidze 2124 RTTY in 50/170 RYRY/DE to UIW, & into admin TG's using hull#/ID BATM 6040 from master KM Sukhodyaevski. EWAD: RTMA Sadko 2358 RTTY in 50/170 crew TG's to KhGrad. (RB)

8403.5 HP8276: RTMS Madam Klavdiya 0002 RTTY in 50/170 crew TG's, off w/"DE HP8276..." (RB)

8404.5 UTIX: TR Amurskiy Zaliv 0414 RTTY in 50/170 RYRY/DE to URL, & into crew TG's. UWMI: RTMA Sapun Gora 0429 RTTY in 50/170 RYRY/DE to URL, Sevastopol Radio, & into crew TG's. (RB)

8406.5 LYEP: RTMKS Koradas 0037 RTTY in 50/170 admin tfc from master, KM Butkevich. (RB)

8408.5 MPKV: Unid Athens 1629 ARQ mgs from Dynacom Tanker Management (Bvr)

8414.5 GMDSS CHANNEL 0804 GMDSS 29 packets. One Format Specifier = Selcal group giving tx/rx frequencies as 5759 khz which are not maritime!.

8420.5 CBV: Valparaiso Radio, CHL 0400 FEC w/tfc list. (RB)

8817.6 NKorean Diplo, unk loc 0715/0740 BPSK 1200bps UNID System (MC)

8906.7 RFFA: MoD Paris, F 2156 ARQhE3 192/425 idling. (RB)

9057 Unid: 0754 FSK 75bd/200 UNID System, synch, M:S=1:1, no ACF (MC)

9066 Unid: Polish E, ??? 0730 POLhARQ 100bd/250/5/E idle on Betas (MC)

9073.2 Unid: RUS 0744 MS5 12 tone vocoder (3300Hz pilot) (MC)

9076.7 MFA Copenhagen 0900 F7B 100 tfc to UGC from master KM Movoha. (ANEE)
F7bl. Tfc signed NOREG. (DW)

9081.9 Unid: Norwegian MFA, Oslo 0743 TWINPLEX-4n 100bd/400 crypto ends "zzzzz" clg "KFPZ, KPKE" (MC)

9090.5 MFA Rome 0930 ARQ. (ANEE) Same, 1000 w/diplo tfc (DG) At 0806, same, w/5LGs 'da maeroma' to various Emb/Cons (MC)

9090.7 MFA Cairo 1800 ARQ wkg Unid til 1815. Egyptian Embassy, Washington, DC 1715 ARQ wkg MFA Cairo til 1800 (ANEE) Same, 2206 ARQ ATU Arabic, to Cairo (ED)

9014 Unid: Romanian E, ??? 0737 ROUhFEC 218.3bd/400 crypto (MC)

9016 V5G***: Romanian MFA, Bucharest 0806 ROUhFEC 164.5bd/400 crypto (MC)

9017.2 Unid: 1745 TWINPLEX 100 (ANEE)

9110 NMG USCG Boston 2205 FAX wx map (LB)

9114 HGG31: MTI Budapest, Hungary 1655 RTTY 50bd/400 ID+NX in EE (MC)

9117.5 PCW1: MFA THE HAGUE 1754 CW/SITOR Marker "PCW1" & tuning burst. (DW)

9126.7 Unid: Romanian E, ??? 0737 ROUhFEC 218.3bd/400 crypto (MC)

9106 V5G***: Romanian MFA, Bucharest 0806 ROUhFEC 164.5bd/400 crypto (MC)

9107.2 Unid: 1745 TWINPLEX 100  (ANEE)

9110 NMG USCG Boston 2205 FAX wx map (LB)

9114 HGG31: MTI Budapest, Hungary 1655 RTTY 50bd/400 ID+NX in EE (MC)

9117.5 PCW1: MFA THE HAGUE 1754 CW/SITOR Marker "PCW1" & tuning burst. (DW)

9126.7 Unid: Romanian E, ??? 0737 ROUhFEC 218.3bd/400 crypto (MC)

9106 V5G***: Romanian MFA, Bucharest 0806 ROUhFEC 164.5bd/400 crypto (MC)

9107.2 Unid: 1745 TWINPLEX 100 (ANEE)

9110 NMG USCG Boston 2205 FAX wx map (LB)

9114 HGG31: MTI Budapest, Hungary 1655 RTTY 50bd/400 ID+NX in EE (MC)

9117.5 PCW1: MFA THE HAGUE 1754 CW/SITOR Marker "PCW1" & tuning burst. (DW)

9126.7 Unid: Romanian E, ??? 0737 ROUhFEC 218.3bd/400 crypto (MC)

9106 V5G***: Romanian MFA, Bucharest 0806 ROUhFEC 164.5bd/400 crypto (MC)

9107.2 Unid: 1745 TWINPLEX 100 (ANEE)

9110 NMG USCG Boston 2205 FAX wx map (LB)

9114 HGG31: MTI Budapest, Hungary 1655 RTTY 50bd/400 ID+NX in EE (MC)

9117.5 PCW1: MFA THE HAGUE 1754 CW/SITOR Marker "PCW1" & tuning burst. (DW)

9126.7 Unid: Romanian E, ??? 0737 ROUhFEC 218.3bd/400 crypto (MC)

9106 V5G***: Romanian MFA, Bucharest 0806 ROUhFEC 164.5bd/400 crypto (MC)

9107.2 Unid: 1745 TWINPLEX 100 (ANEE)
10105.9 Unid: RUS 0724 OQPSK 1280bps (off frequency?) (MC)
10110 Unid: RUS 0821 OQPSK 1280bps OQPSK (MC)
10122.2 Unid: Algerian MFA, Algiers 0750 Coquelet-8 26.7bd/I MSGs in FF to "consalgy sur viur syrie" (MC) MFA ALG 0900 COQ-8 26.6/200 diplo tcf. (DG)
10140 Unid: RUS 0721 FSK 96bd/500 UNID FSK System, No ACF, M:S=1:1, sync cont. (MC)
10150 Unid: Italian E, Warsaw 0835 ARQ-E 96bd/170/8/E 5LGs to European Emb "da maeroma", "tx ambvars" (MC)
10154.2 Unid: RUS 0752 MS5 12 tone vocoder (3300Hz pilot), idle (MC)
10174.5 Guardia Civil, Barcelona 0600 ARQ (ANEE)
10177.7 RFFA: FF PARIS? 1022 ARQ-E 3 192/400 8Crc. Betas. No tcf or ID, at 1252 possible header "zzzz llbb". (DW)
10201 Unid: RUS 0718 81h81 81bd/200 tcf (MC)
10208.5 Unid: RUS 0728 OQPSK 1280bps (MC)
10244 Unid: RUS 0757 81h81 81bd/250 tcf (MC)
10254 Unid: German Diplo, ??? 0744 1200hFSK 1200bps UNID System (MC)
10281.2 RFLIG: FF CAYENNE, GUF 2217 ARQ-E3 192/400 idling+C de V on C/I RTI (SS)
10307.7 MFA Cairo 1430 ARQ network control wkg London. (ANEE)
10314 MFA Warsaw 1630 POL-ARQ 100/170 tcf in polish. (ANI)
10334.7 MFA Cairo 0745 ARQ wkg Bucharest til 0800 (ANEE)
10342.9 NOUMEA RADIO 1138 ARQ-M2 128.5/170 FF news items (EW)
10410 KUL: SOUD 0716 RTTY 75/500 5fig GPS. (DG)
10412 RFFXL, Lebanon 1533 ARQ-E 72/425 w/traffic in FF to RFFXOC, "ARMEE PARIES". (PT)
10422.5 MFA VIENNA 0743 ARQ-S 96/200 Tfc in German. 5CRC. AFC70. (DW) OEC??: Austrian MFA, Ankara 0746 ARQ-S 96bd/200/5 opchat "ankara aus bis morgen" (MC)
10452 Unid: RUS 1548 36-50 50bd/200 tcf (MC)
10453.3 Unid: 0942 RTTY 50/250 Spanish ctr (DG)
10461.7 MFA Cairo 0800 ARQ wkg Rome (ANEE)
10475 Unid: 0815 RTTY 50 encrypted (ANEE)
10477 V5G***: Romanian MFA, Bucharest 0743 ROU-FEC 164.5bd/400 Press Review in RR (MC)
10485.7 Unid: Italian Diplo/Mil, ??? 0744 1200-FSK 1200bps UNID System (MC)
10493 V5G: MFA BUCHAREST 1224 FEC-ROU 164.5/400 Tfc in online encrypt. (DW)
10493.7 RFTJF: FF PORT BOUET 1956 ARQ-E3 48/400 8CRC. Betas. Cct [JFJ] to Dakar. Controle de voie svc RFTJ de RFTJ. (DW)
10536 CFH: CF Halifax 1909 FAX 120/576 wx cht (Bvr)
10547.7 Italian Diplo/Mil, unid loc 0727 1200-FSK 1200bps UNID System (MC)
10561.8 Unid: 1251 BPSK 2400bps UNID System (MC)
10613.3 Unid: NKorean MFA, ??? 0721 BPSK 1200bps UNID System, fast CW op chat later (MC)
10625.9 Unid: 0910 RTTY 50/1000 5fg's/mandarin chtr(?) (DG)
10639.8 CLPh1: 1510 RTTY 50/500 RYs followed by kgzz into encryption running at 50bd + switched to 75bd sending circulars in SS (SS)
10671.7 MFA Cairo 1700 ARQ wkg Doha, Abu Dhabi, Tunis, Beirut, Khartoun, Riyadh, Damascus, Algiers, Sanaa and Muscat. Also two urgent cipher msgs from EGI Cairo ("47") to EGI Rep Khartoun. (ANEE)
10688 Unid: 0909 ARQ-E 72/400 idling (DG) RFF: FF 1553 ARQ-E 72bd/400/4/I idle on RQ's & Betas (MC)
10692.5 Unid: 1030 ARQ very weak 1030-1100. MFA Rome? poss -ne- series selcalls (ANEE)
10695.5 Unid: 0757 TT2300b 100bd idle then into tcf (MC)
10746 Unid: RUS 0745 81-81 81bd/250 tcf (MC)
10767 RGA: SOUD Moscow, R 1500 RTTY 75/500 msg to BFR link id.00030. (ANI) RGA/BFR: SOUD Station, ??? 0731 RTTY 75bd/500 5LGs hdr "11177 00030 63880 26433 03489" (MC)
10865 NAM: Usn Norfolk 1820 FAX 120/576 sea ht anal (BVR) (Now located at Cutler, Me as NAA hLOGS)
10952 Unid: 1457 ARQ 100/170 5fig GPS. (DG) (MFA Berne logged here before -LOGS)
10993.7 ALGERIAN EMB HAVANA 2102 COQ-8 13.3 10993.776 Opr chat in FF. Washington mentioned & qrm. Switched up speed to 26.6bd then into apparent encryption. (no sync). In the clear "vci off la havane".
At 1916, UNID. ALGERIAN COQh8 13.3 1993.672 Opr chat in FF after realizing bd rate 13.3 not 26.6. No IDs. (DW)

11026.7 MFA CAIRO 1537 ARQ initially irs mode. Constant mark between bursts. Subsequent tcf in ATU80 to Tripoli. (DW)

11030 MFA CAIRO 1537 ARQ initially irs mode. Constant mark between bursts. Subsequent tcf in ATU80 to Tripoli. (DW)

11037.5 MFA Warszaw 0900 POL-ARQ 100 tcf from Bucharest til 1015. New freq. (ANE)

11080 Unid: SANA News, Damascus 0809 RTTY 50bd/400 NX in Arabic (MC)

11085 RFGW: MFA PARIS 0812 FEC-A 192/400 Idling on RQs. Brief opr in FF. QSLs/QRUs. Monitor to disk. Calls/tcf in FF/offline encrypted tcf to SR2944/U3H/15W(?). At 0740, calls "TJN de P6Z qap la 360 aug 3 qtc un tit paquet". (DW)

11110.3 RFLI: French Forces, Fort de France, Martinique 2138 ARQ-E3 in 192/425 idling, should be circuit BFL. (RB)

11114.5 Unid: Saudi Nat. Guard, ??? 1600 ARS-GUARD 125bd/170 (MC)

11121 AFS USAF Elkhorn 2200 FAX wx maps excellent (LB)

11127.1 Unid: 1745 PACKET-Variant til 1800. (ANE)

11132 Unid: CDN Algiers 1254 RTTY 50bd/200 Diplo MSGs marked "cdn alger" in FF (MC)

11133 Unid: Germany? 0801 ARQhE 96bd/200/8/E crypto (13903kHz?) (MC)

11139 'BPXL': 2130 RTTY 75/850 Encryption. Seen this one before in the 16 Mhz area. (PS)

11155.4 Unid 0815 unid 300/472 poss Russian 11 bit system. (AB3) (RIT, Russian Navy Vayvach logged here in CW -LOGS)

11157.7 Unid: 1528 VFT: 2ch of 100bd/200, UNID ALE System (MC)

11167.7 Unid: Zagreb 1221 ARQ MSGs mkd "t.c.zagreb buyukelciligine" (MC)

11201.4 ALG MOI 1106 COQ-8 26.6/200 customs tcf (DG)

11237.9 MFA COPENHAGEN 0754 TWINPLEX 100 -400/-200/200/400/ f7b-1. In irs mode. All day monitor to disk. MFA Copenhagen, Sofia embassy. Selcals TPDC/TPJIP/TPRC. Tcf in Danish. (DW)

11328 MFA Oslo 0815/0915 F7B 100 new freq, new schedule, tcf til 1015. (ANE)

11416.7 Unid: 1215 IRA-ARQ 110 station "rkwr" repeats, encrypted tcf til 1230. (ANE)

11422 Unid: RUS 0800 OQPSK 1280bps (MC)

11426 VNB/WQL: SOUD Station, ??? 0847 RTTY 75bd/500 "11177 80061 00000 20289 01761". (MC)

11430.5 Unid: 0804 VFT: 2ch of Piccolo-6, engineering ch. idle (MC)

11430.9 Unid: 0804 VFT: 2ch of Piccolo-6, crypto tcf (MC)

11438 MFA Oslo 1000 F7B 100. (ANE)

11450 RDD77: MOSCOW MET 1638 RTTY 50/1000 Met tcf. (DG)

11476 HMF52 : KCNA Pyongyang, NKO 2145 RTTY 50/240 EE nx items. (RB)

11518.2 RFFP: 1045 ARQ-M2 200 wkg RFFVAY. (ANE) FF PARIS [RFFP]? 1648 ARQ-M2 200/400 4CRC. 2 channel tdm. Ch:A and B: both betas. Generally poor sync. Ch:B no circuit ID. Header to RFFVAY de RFFTA. (DW)

11524 Unid: RUS 1523 36-50 36bd/250 idle on reversals (MC)

11533.4 Unid: 2110 RTTY 50/500 op chatter in SS (SS)

11536 Unid 1210 unid 228/208 wouldn't decode. (AB3)

11571.7 MFA Cairo 0900 ARQ w/tcf from Belgrade til 1000. New freq & sked. (ANE)

11622 NHF Puerto Rico 2236 FAX. Maps. (LB)

11626.9 MFA Sofia 1045 IRA-ARQ 150 encrypted new freq, earlier schedule. (ANE)

11631.9 RFLI: FORT DE FRANCE, MRT 0116 ARQ-E3 192/375 C de V + idle (SS)
'RFTJ': FF Dakar, Senegal 0330 ARQ-E3 192/340 Cdev. Circuit [TJI].

Unlisted channel. (PS)

DDK8: Hamburg Met, Germany 0816 RTTY 50bd/430 AXAX WX for German land stns (MC) Same, 1537 RTTY 50/400 meteo (SS)

RFTJ: FF Dakar, SEN 2028 ARQhE3 192 cdv. (RM)

YOM21: ROMPRES BUCHAREST 1049 RTTY 50/500 nx items. (DG)

HWN: French Navy, Pair 0900 RTTY 75 test slips (ANEE) At 1218 w/R's. (ANI) At 1639 w/R'y's. (RM)

VKX: SOUD STATION 1108 RTTY 75/500 5fg's/r'y's (DG)

MKK: RAF LONDON 1053 RTTY 50/400 test de mkk (DG)

MFK: RAF LONDON 1053 RTTY 50/400 test de mkk (DG)

ACF7. (DW)

Japanese Emb. Managua, NCG 1642 ARQ w/many 5LG msgs & one msg in romanized JJ. QRT 1922. (RM) (not one you see often! LOGS)

P3CR6: TH Akademikis Zavaritskis 1924 ARQ w/ crew TG's to Riga Radio. QGEH: M/V Moraybank 2054 ARQ w/AMVER/PR, posn 02517N/09217W. (RB)

UJJS: TK Aleksandr Tsulukidze 1722 ARQ w/TG from Chief Engineer, master KM Khooshtariya, login 55311 UJJS. (RB)

UQ3W: TKH Anatoly Vasilev 1921 ARQ w/SVC+ telex tfc. P3HS2: M/V Global Dream 1924 ARQ w/tlx tfc re wages, uses abbrev. GL Dream in msg, login 00503 GLOM. (RB)

3EEA9: Frio Canada 0141 ARQ tfc for Lavinia, Athens. (AB2)

UTOK: Akademik Yevgeniy Paton 1643 ARQ ETA Callao. 3FXI3: Hero 1740 ARQ AMVER/PR, ETA Guaranano pilot station. (AB2) ELH09: M/T Constitution 1737 ARQ oil tanker, w/AMVER tfc, login 24892 ELHQ. wNMLH: M/V Tilly Lykes 1812 ARQ w/"auto- file" tlx tfc, login 17101 TILL. C6SX: M/V Black Sea 2229 ARQ w/tlx in SS re crew provisions, login 70066 C6SX. (RB)

C6HE2: Westerdam 1807 ARQ posrep. (AB2)

SQG3: Otol 0118 ARQ posrep, 54.37N/152/09E, selcall 43237. (AB2)

ELRV8: Seaboard Station Ocean 1811 ARQ obs msg. (AB2) SGCL: Salome 1804 ARQ w/AMVER/PR. WXWL: M/T Delaware Trader 2053 ARQ w/tlx tfc, login 11172 WXWL. HKRX: M/N Excelso 2106 ARQ w/SS tlx, login 72345 HKRX. (RB)

ELRT2: M/V Polar Argentina 1759 ARQ reefer, w/BBXX wx obs to "meteo Hamburg", login 24783 ELRT. 3ERB5: M/V Africa Star 1835 ARQ w/up anchor tlx, app is ex-Frio Africa? SQPO: M/S Ignacy Daszynski 1823 ARQ Polish bulk carrier w/on-line PP opr chat. (RB)

USSN: TK Aliot 1819 ARQ Ukrainian tanker w/DISP-1 report from master KM Gorostavot after sending selcall KYYX (UGW, Novorossiysk Radio). Pagina 261
12495.5 UTUN: TKH Akademik Iosif Orbli 1936 ARQ w/1 adm tfc to Merktrans SPB, re arrival. (RB)

12496 VCLM: M/V Arctic 1826 ARQ w/BBXX meteo tlx via Halifax CG. (RB)

12496.5 C6HH7: UB Pride 1640 ARQ ETA Hamburg for repairs, selcall 61668. (AB2)

12497.5 BROM: M/V XIAN XIA LING 2228 ARQ w/tlx 4933n 14918w. login 09738 BROM. (WT)

12501.5 N/A: M/V Frio Las Palmas 1755 ARQ unk callsign, w/posn tlx, login 42283 FLPA. N/A: M/V Captain George II 2321 ARQ w/tlx, vsl sailing via Great Circle route, poss recent namechg as login was 2952x EAGE. (RB)

12503.5 9HCF3: M/V Omiros 1929 ARQ w/tlx for ETA, login 63354 OMIROS. (RB)

12505.5 UJNE: Okhota 0041 RTTY 50/170 c/s only. (AB2) DQFX: M/V DSR Asia 1645 FEC w/relay of DSR Rostok nx in GG, off w/DE DQFX 73. (RB)

12506.5 UTYL: RTMS Shepetovka 1650 RTTY in 50/170 crew TG's. ESMC: Unid RS-0186 1812 RTTY in 50/170 admin TG's from master KMD Stepanenko, off w/"DE ESMC". (RB)

12506.5 V2TD: M/V Supertramp 1804 ARQ w/tlx for ETA Pensacola. LA1L2: M/V Dyvik Atlantic 1924 ARQ w/AMVER tcf vsl bound Gabon to France, login 29511 LAIL2. P3UG3: TR Klaypedski Bereg 1932 RTTY in 50/170 RYRY/DE no joy. (RB)

12506.5 UTUO: TH Professor Nikolay Baranskiy 2031 RTTY 50/170 wadmin tcf to St Petersburg Radio from master. UT1Z: THK Novogorod 2035 RTTY in 50/170 RYRY, then into admin tcf from master, KM Stepanov. (RB)

12506.5 ELQZ5: TR Frost-1 1815 RTTY in 50/170 crew TG's, vsl bound Brazil. URU3: PB Matochkin Shar 2020 RTTY in 50/170 admin tcf, PB is Plavuchaya Baza, or 'Floating Base'. (RB)

12507.5 EMPK: BATM Kapitan Buga 1906 RTTY in 50/170 RYRY/DE to UTSW, RTMKS Kapitan Orlikova, & into crew TG's & admin tcf in apparent relay. UUJIN: STM Aleksandr Lavrenovy 1909 RTTY in 50/170 RYRY/DE, also to UTSW, & into admin TG's, "Antarktka" used frequently. UBAM: RTMKS Admiral Shabalin 1924 RTTY in 50/170 crew TG's. (RB)

12507.5 UAMD: NPS Zund 2210 RTTY in 50/170 crew TG's, is Ex-EWWV. (RB)

12507.5 YLFP: RTMS Misa 1601 RTTY in 50/170 fish catch summary from master KM Borisevich using hull#ID RTMSh7579, also sends same from YLEP, BMRT Robert Eyedeman from master KM Borisevich using hull#ID BMRT 249, and YLEL, BMRT Gunar Akisas BMRT 575, ex-EWZG. All are Latvian factory fishing trawlers. (RB)

12508.5 UNNI: RTMS Chernyashev 2205 RTTY in 50/170 admin tcf. (RB)

12508.5 USDB: BMRT 10 Pyatiletka 2318 RTTY in 50/170 crew TG's (SVS/MRH). (RB)

12509 NMF: USC BOSTON 1700 FEC 100/170 fax sked. (DG)

12509 PPML: M/V Frotachile 2133 ARQ w/AMVER/PR, login 58411 PPML. (RB)

12509 LOR: Puerto Belgrano, ARG 0030 RTTY 75/170 "Boletin Meteorologico". (AB2)

12509 6WW 2300 RTTY Dakar, Senegal Test loop "FAAA de 6WW. Voici mon testing... Bonne Mer (next message same with "Bon Quart" at end. (LB)

13347.7 MFA Cairo 0915 ARQ wkg Rabat (ANEE)

13348.8 MFA Rome 1100 ARQ wkg all embassies worldwide. Powerful xmitter! off at 1200 after two encrypted cipher change messages to Cairo & Sanaa. At 1015 another day, wkg Addis Ababa, Kampala, Asmara, Sanaa, Khartoum, Maputo, Nairobi embassies w/msg from the Italian rep to EC concerning minor financial projects for 96. (ANEE)

13366.7 SYD: Nairobi Air 1200 RTTY 50 off freq again. METAR reports. (ANEE)

13373.4 SYD: Nairobi Air, Kenya 1331 RTTY 50bd/250 "ryry..de 5yd 5yd 5yd". (MC)

13378.5 MFA Rome 0900 ARQ wkg Italian emb. Abu Dhabi, Amman, Beirut, Cairo, Pagina 262
Algiers, Doha, Rabat, Damascus, Tripoli, Muscat, Kuwait, Riyadh, Sanaa, Teheran, Tel Aviv, Tunis and consulate Jerusalem. This has been misidentified before as MFA Madrid. (ANEE)

13378.9 Unid: 0815 ARQ 100/170 prob Italian MFA. (DG)
13398.5 Unid: Italian MFA, Rome 0746 ARQ 5LGs to EU & Middle Eastern embassies (MC)
13401.7 MFA Cairo 0700 ARQ wkg unid prob Rome til 0800 (ANEE)
13419 6XMB: 1551 ARQ-E 288/170 encrypted ARQ-E + w/clear BAUDOT 100/170 running RYs, foxes & 10 counts (SS)
13425.7 MFA ALGIERS 1335 COQ-8 26.7 Tfc in FF to Brussles. Brussels vri weak & won't sync. (DW)
13430.7 MFA Cairo 0900 ARQ MOI circulars (ANEE)
13431.7 Unid: 1545 RTTY 50/450 circulars in SS (SS)
13440 Unid: 1530 RTTY 50/400 5FGs (SS)
13443 RFQP, Djibouti 1616 ARQhE 100/390 w/"Controle de Voie" to self via "DJr" circuit. (PT)
13444.2 RFQP: 1215 ARQhE 192 wkg RFVI. (ANEE)
13466 UNID POLISH EMBASSY 0755 POLhARQ/100. (TK)
13467 SNN299: Polish MFA, Warsaw 0746 POL-ARQ 100bd/220/5/I MSGs to Hanio, Tokyo, Bangkok (MC)
13486.7 MFA Cairo 0900 ARQ MOI circulars (ANEE)
13501.7 MFA Cairo 1000 ARQ w/tfc from Tripoli til 1115. (ANEE)
13506.7 MFA Cairo 0945 ARQ msg from Tripoli, msgs to net control Cairo & from EGI office Tripoli to EGI Cairo. At 1315 in FEC wkg Tripoli til 1345 w/later than normal sked, also ARQ (ANEE) UNK EGYPTIAN MFA 1013 ARQ ATU-80 msg. (DG)
13510 CFH: CF HALIFAX 1418 FAX 120/576 End of sig wx chart for 25/0000z. (DW)
13510.6 Unid: German Diplo? 1519 MERLIN 228.7bd/200 tfc (MC)
13521.1 SNN299: Polish MFA, Warsaw 0823 POL-ARQ 100bd/285/5/E Parliamentary rpts in EE (MC)
13530 AFS: Offutt AFB, Ne, US 2111 RTTY 75/850 coded meteo. (AB2) Unid: 1948 RTTY 75/850 KAWN meteo (SS)
13541 NNOMDM Navy MARS 1403 ARQ In irs mode, weaker station iss. Then de NNOMDM aa4RE 2.12i standby" "NNOCRJ de NNOMDM zbo 0/7 ga +" (DW)
13543.9 Unid: 1643 ARQ Started as 200bd Pactor unid mode. Changed to Sitor/a. Selcals NCAL. At 1943 in Pactor, unid mode. Fail to sync. (DW) Unid: mars 1415 ARQ sc ncwl ncrj mmdm (BVR) (All U.S. Navy MARS -LOGS)
13542 ZRO3: PRETORIA METEO, RSA 1646 RTTY 75/400 Met tfc. GRIDs. (PS) Same, 1838 RTTY 75/428 Aero wx. (PS)
13546 SNN299: Polish MFA, Warsaw 0831 POL-ARQ 100bd/250/5/E Claris MSGs to "m:sofia" (MC)
13563 3MA22: CNA Taipei, Taiwan 0836 RTTY 50bd/800 "qrg de 3ma22/26/35/28", frequency list, address (MC) 3MA26: CNA NEWS, Taiwan 0830 RTTY 50b in EE. (TK)
13572 RFFX: FF Beirut, Lebanon 1300 ARQ-E 72/340 CdeV. Circuit [XXL]. (PS)
13572.4 MOD Paris 1211 ARQ-E 72/400 idle. (ANI) RFFX: MOD PARIS, F 1356 ARQ-E 72/400 Idle (MC)
13602.2 NMC: USCG SAN FRANCISCO 0913 FAX 120/576 wx fax. (DG)
13673.7 5VD: NAIROBI AIR 1158 RTTY 50/400 RY's. (DG)
13867.4 Unid: ??? 1639 ARQ c1g "XXK" (MC) (PTT Kinshasa, Zaire in FF seen logged here before in ARQ, not confirmed -LOGS)
13875.8 HGX21: MFA BUDAPEST 0728 ARTRAC 125/170 Diplo nx summary in Hungarian HGX41 (Damascus) de HGX21. Changed to irs mode. (DW)
13886.7 RFVA: MOD PARIS, F 1215 ARQ-E 192 wkg RFTJD. (ANEE) Same, 1400 ARQ-E 192/425 Idle (MC)
13903 Unid: German Diplo, ??? 0750 ARQ-E 96bd/200/8/I crypto (MC)
13933 DOR: Sofia, Bulgaria 0949 RTTY 150/491 w/traffic in Bulgarian. (PT)
13940.7 RFVA: FF PARIS, F 1230 ARQ-M 200 wkg RFFVAT. (ANEE) FF PARIS [RFVA]? 1425 ARQ-E 200/400 8cr.Betas. (DW)
13951 HDB20: MFA BERNE, SUI 1402 ARQ 5lg (SS)
13953 RFGW: MFA PARIS 0744 FEC-A 192/400 Tfc in FF to 09B 7DA etc. (DW)
13954.5 HDB20: MFA BERNE, SUI 1315 ARQ 5LGs (SS)
13965.5 HDB20: MFA BERNE, SUI 1400 ARQ 5lg (SS)

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13966.5 Unid: 1616 FEC 51g's with "suite1", "suite2" at end, ff op msg. (ED)
13976 HBD61: Swiss E, Cairo 1238 ARQ 5LGs to HBD20 (MFA Berne) (MC)
13986.5 RFFA: FF PARIS, F 1230 ARQ-E3 192 wkg RFQP. (ANEE) Same, 0928 ARQ-E3 192/400 8rcr. Betas. Poor sync. No traffic decoded. (DW) Same, 1411 idle (SS)
14362.5 DOR: MFA SOFIA 1040 RTTY 75/500 nx items (DG)
14365 Unid: 1145 PACKET USA-Ghana link calls KDUA-9G1OH also pactor 100 til 1215 no messages (ANEE)
14366.7 BZP54: XINHUA, Beijing 1238 RTTY 75bd/400 "ry..ry xinhua beijing", NX in EE (MC)
14376 DOR: MFA SOFIA 1503 RTTY 75/500 nx items. (DG)
14384 Unid: RUS 0758 81-81 81bd/200 tcf (MC)
14421.4 Unid: 0845 PACTOR 200 prob. UNHCR Europe (ANEE)
14452 HMF57/49: KCNA, Pyongyang 0753 RTTY 50bd/230 "ry...ry qra de hmf57/49" ID (MC)
14460.5 Unid: 0732 VFT: 2ch of Piccolo-6, eng ch idle (MC)
14460.9 Unid: 0733 VFT: 2ch of Piccolo-6, crypto tcf (MC)
14467.3 DDH8: Hamburg Met, Germany 1528 RTTY 50bd/400 "ry...ry cq cq cq de ddh47/ddh8/ddh9" ID (MC)
14486 RFGW: MFA PARIS 0758 FEC-A 192/400 Weak signal. Idling on rq's. Inverted? Faded out. (DW)
14501.7 MFA Cairo 1215 ARQ wkg Moscow and EGI Cairo special security office to consultkiev via embassy Moscow; Cairo Health information mtg to many embassies (ANEE)
14527.8 KUD***: 0810 VFT: 3ch of 96bd/85/1 FEC-100, (0/1200/2050Hz) 5LGs, opchat in EE (MC)
14535 Unid: RUS 0813 FEC 96bd/500 UNID FEC System, Sync cont, No ACF, M:S=1:1 (MC)
14549.7 MFA Cairo 0900 ARQ selcalling unid African embassy til 0930 (ANEE)
14575 RFGW: MFA PARIS 0918 FEC-A 192/400 Tfc in offline (5LG's) encrypt. Page break "page 6 RFGW #1245". (DW)
14585.7 RFPTC: 1300 ARQ-M2 200 wkg RFFA. (ANEE)
14621.7 MFA Cairo 0900 ARQ MOI circulars to many embassies til 1000. At 0930 another day Embassy Islamabad til 1000 (ANEE)
14626.7 RFLI: 1300 ARQ-E3 192 wkg RFTJ. (ANEE)
14637 Unid: 1308 ARQ6-98 100/180. (ANI)
14639 KPL, Laos 0840 RTTY 50b Nx in EE. (TK)
14661 Unid French Diplo 0825 ARQ6-90 200bd/340 in IRS mode, "73" in CW at end of msg (MC)
14664 Unid: 1838 36-50 50bd + 36bd idle w/ACF=2 (SS)
14678 V5G***: Romanian MFA, Bucharest 0813 ROU-PEC 164.5bd/400 crypto (MC)
14681 MFA Bucharest, ROU 1330 ROU-PEC 164.5/300 tcf from romanian MFA. (ANI) V5G: MFA BUCHAREST 1103 FEC ROU 164.5/400 Traffic in online encrypt. (DW)
14707 JPA: INTERPOL 0230 ARQ JAPAN. (TK)
14753 Unid: 1532 PSK 2400bps UNID System (MC)
14761.5 USN MARS 1300 ARQ. (ANEE) NNNDMA: MARS 1504 PACT Various tcf & sys's until end qso. (DW) NNNDMA: Various USNMARS 1252 PACTOR-1 100bd/000 Mailbox fwding (MC)
14798.7 RFFA: 1300 ARQ-E3 200 wkg RFFVAE. (ANEE)
14809.7 Egyptian Embassy Tunis ARQ 1030 wkg MFA Cairo til 1200 (ANEE)
14867.7 MFA Cairo 1600 ARQ off at 1600 (ANEE)
14901.7 MFA Cairo 0700 ARQ wkg Rome til 0800 (ANEE) Egyptian E, Saan'a 0955 ARQ ATU-80 fm "xgo---Ke" to MFA Cairo (MC)
14903 SNN299: MFA WARSAW 1143 POL-ARQ 100/170 polish lang msgs (EW)
14912.5 SOO:9291: FAP WARSaw, POL 1432 FEC economic nx in Polish (SS)
14923 BAP44: Beijing, CHN 0144 RTTY 75/1000 XNZ nx in EE. (AB2)
14926.7 RFTJ: 1315 ARQ-E3 192 wkg RFTJD. (ANEE)
14936.5 Unid: 1545 ARQ til 1615 (ANEE) (USN NAVMARCORMARS -LOGS)
14957.1 KGD34: NCC, Arlington, VA 1945 PACTOR AAAUSA, USA MARS, Ft. Sam Houston, TX, w/PACTOR SHARES msg relayed from AAR5FD, USA MARS, Riverton, IL. (JM)
WUNhv02

16267.2 Unid: 1230 ARQ idle till 1300 (ANEE)
16268 MFA Belgrade 1230 FEC-A 96 wkg Baghdad embassy, new mode this ckt (ANEE)
   German Embassy, Brazil 1400 ARQ-E 96/124 tfc in GG to DMK. (PS)
16270 Unid: 1220 UNID 300bd don't know what this is. (EW)
   ROYAL NAVY, G 1518 RTTY 75/850 RYs followed by VMGTCNJ into encryption (SS)
16273.6 Algeria 1514 COQUELET 8-Tone FF msg. to Embassies from Algiers (ED)
16280 Unid: 1542 ARQhM2 200 Fr tfc (BvR) (both RFFA & RFQP logged here before -LOGS)
16283.1 "RFHWWO" Papeete Meteo Civ, Papeete 2100 ARQhM2 128.5/100 also AFP
   news, Ch. A, C.I.="IOB" (ED)
16323 Unid: 1504 RTTY 75/400 u1064 248988 07000 9917 zppzpzpzpzpzp: into enc tfc + ended w/qru qsl?/rrr/ok ome tks 737377 ssks (SS)
16327.7 MFA Cairo 0815 ARQ idle, idles only till 1300. (ANEE)
16332 V5G: MFA BUCHAREST 1110 FEC-ROU 164.5/400 Traffic in online encrypt. (DW)
16551.8 Unid: 1505 ARQ sc tvvx (BvR)
16567.6 MFA Cairo 1200 ARQ wkg Tunis & Ministry of Info Cairo, Tunis (ANEE)
16576.8 Unid: 1650 FEC "rcvd fm 666/c5 at 22.2 16.35z" (BvR)
16616.7 9HSF2: Mv Seaguardian 1626 ARQ tlx tfc (chnl 3) company freq? (BvR)
16685.5 WFGV: Overseas Washington 2330 ARQ CHIRQUI Grande, selcall 11207. (AB2)
16687 ELA36: M/V ROSINA TOPIC 1811 ARQ rx only login: 24487 ROSTOP (WT)
16687.5 E3AW7: M/V Lok Pratima 1655 ARQ car carrier w/E ETA Cristobal, ex-Pacific Rider? (RB) JGBY: CHIKUZEN MARU 2135 ARQ w/amver/pr 0805n 14624w. (WT)
16688.5 C6JS: Duncan Island 1822 ARQ AMVER/PR 27.27N/71.39W, selcall 27631. (AB2) VTCN: M/V Lok Pratima 1659 ARQ w/posn report, login 23592 LKPM. (RB) ELPL3: M/V CHOYANG VOLGA 2117 ARQ w/tlx 4038n 06717w. login 24974 CHVO. (WT)
16689.5 UUHN: Pyotr Krasikov 0109 RTTY 50/170 Ry's & DE. P3HAS5: Baftifiysk 2158 ARQ ETA Balboa. (AB2)
16690 CLPC: Matanzas 1616 ARQ w/tlx for ETA, login 27507 DRIV. (RB)
16694 ENWU: Roman Karmen 1722 ARQ tlx tfc for Iceland voa KPH. (AB2)
16697 LTDY: Soerlandet 1648 ARQ w/tlx of documents for U.S. Customs. (RB)
16699.5 LAUG4: M/V Bruno 1644 ARQ w/tlx re sailed Paita, login 26215 BRUNTO. (RB)
16702 UOAAM: TKH Fatezh 1653 ARQ w/tlx to Azov London, ASC Mariopol, per chg should be in 931TU c/s should be UDWL, but UOAAM still used. (RB)
16703 KLPN: SS Galveston Bay 1620 ARQ w/tlx re arrival Balboa. (RB)
16706.5 KCDK: M/T GUS W. DARNELL 2126 ARQ w/psn rpt, 1334n 17931w, eta Kwajalin. (WT)
16713 9HLW4: TH Novorossiysk 2323 ARQ crew TG's, selcall 72051. (AB2)
16779.7 9HSF2: Mv Seaguardian 1603 ARQ mgs to Eastern Mediterranean Athens also relay mgs to other ships company freq? Mv Harry ship 30313 1135 ARQ tlx tfc with Eastern Mediterranean Athens (BvR)
16795.5 Unid: 1529 FEC Unid mv EE nx "end of px de wdx pls pass to others/back to centro 73 to all" (BvR) (usually relay of nx from Philippines for Filipinos sailors -LOGS)
16809.5 VIP: PERTH RADIO, AUS 0937 ARQ w/CW station marker (EW)
16810.5 FFT: SAINT LYS RADIO, F 0943 ARQ w/CW station marker (EW)
16815 9VG: SINGAPORE RADIO 0945 ARQ w/CW station marker (EW)
16818.5 9VG: SINGAPORE RADIO 0945 ARQ w/CW station marker (EW)
16821 VRX: VICTORIA HBR RADIO, HKG 0954 ARQ w/CW station marker (EW)
16822.5 9VG: SINGAPORE RADIO 0951 ARQ w/CW station marker (EW)
16831 VRX: VICTORIA HBR RADIO, HKG 0946 ARQ w/CW station marker (EW)
16843 'JMS': 2230 RTTY 75/525 after call up "QTA NR 066" sent twice. Then into 5lg's. At 2237 signal drops, back up 30 sec later w/MARK tone, drops again no return. (PS) (Brotherhood/Soud station -LOGS)
16868 9VG: SINGAPORE RADIO 0947 ARQ w/CW station marker (EW)

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16870.5 DZJ: BULACAN RADIO 0957 ARQ w/CW station marker (EW)
16880 XSQ: GUANGZHOU RADIO, CHN 0944 ARQ w/CW station marker (EW)
16892 XSG: SHANGHAI RADIO, CHN 0941 ARQ w/CW station marker (EW)
16898.5 UAT: MOSCOW RADIO 0738 ARQ Indications Russian, text 3SC. Also one msg in EE ends "+++mailbox empty". Appears to be working UCDR. Signs off "UAT auto bye.." then cw marker "de UAT". (DW)
16918.2 MTO: RN ROSyth, G 1514 RTTY 75/850 CARB msg. (SS)
16930.1 9MR: JONOR BAHARU RADIO 1001 RTTY 75/850 ry line count (EW)
16957.3 FUJ: FR NAVY NOUMEA 1004 RTTY 75/850 ry line count (EW)
17476.7 MFA Cairo 0815 ARQ wkg Paris til 0900 (ANEE)
18040.5 Unid: 1108 RTTY 50/750. (ANI) (TCY4 AA Ankara? hLOGS)
18059   MFA Lisbon 1045 ARQ wkg Kinshasa til 1500. (ANEE)
18050.5 Unid: 1430 ARQ Indonesia? idle. (ANEE)
18059 MFA Warsaw 1430 POLhARQ 200 wkg Ottawa. (ANEE)
18059 DJBT**: French E, Djibuti 1336 ARQ6h90 200bd/400/E 5LGs "sv dipl de djbt" (MC)
18173.5 STK: KHARTOUM AIR 1415 RTTY 50/400 Testing "zczc HSSSYFYX" & ry's. (DW)
18211.7 MFA Cairo ARQ 1230 wk unid embassy til 1245 (ANEE)
18213.9 MFA Oslo 1045 F78 100 tcf til 1115. (ANEE)
18220.9 CNM76x9: MAP RABAT, MRC 1353 RTTY 50/380 nx in EE. (SS)
18242 ZRO4 Pretoria 1252 RTTY 75/400 meteo (ED)
18289.5 UNID (GERMAN ?) 0658 RShARQ/288B. (TK)
18319 OM2: MFA PRAGUE 1046 RTTY 75/425 news items in czech lang (EW)
18352 Unid: Romanian E, ??? 0845 ROUhFEC 218.3bd/400 crypto tcf (MC)
18411.5 JKT: JAKARTA DIPLO RADIO 1038 FEC-S 96/170 diplo msgs in Indonesian & EE. (EW)
18412.1 CLP1: MFA HQ Havana, Cuba 2000 RTTY 50/443. Diplo Circulars (MINIREX) to missions abroad in SS. (PS)
18416.5 MFA JAKARTA 0555 SI-FEC/96B INDONESIA. (TK)
18445.4 MFA Oslo 1045 ARQ tcf til 1115. (ANEE)
18461.7 MFA Den Haag 1200 ARQ idle til 1215 (ANEE)
18471.5 MFA Rome ARQ 1030 wkg Embassies in Budapest, Algiers, Amman, Beirut, Cairo, Damascus, Doha, Kuwait, Muscat, Rabat, Riyadh, Tunis, Tripoli, Sanaa, Teheran and Tel Aviv til 1130 w/some msgs 1000+ grps! (ANEE)
18490 Unid: Moscow Meteo, RUS 0859 TORGh10 100bd/500/E Exchange rates, NOAA orbit predictions (MC)
18513.8 MFA Oslo? 1300 TWINPLEX (ANEE)
18532.8 Unid: 1310 FEC-A 96/85 in FDM, 5lg's, no ID (ED)
18552 V5G: MFA BUCHAREST 1115 FEC-ROU 164.5/400 Traffic in online encrypt. (DW)
18646.7 MFA Den Haag 1200 ARQ idle til 1215 (ANEE)
18683 MFA Stockholm 1045 SWE-ARQ 100 wkg Algiers til 1100. (ANEE)
18721.7 MFA Cairo 1530 ARQ wkg Darare til 1630. (ANEE)
18746.7 MFA Den Haag 1045 ARQ wkg Tripoli (ANEE)
18762 V5G: MFA BUCHAREST 1115 FEC-ROU 164.5/400 Traffic in online encrypt. (DW)
18946.8 Unid: 1530 FEC-A 96/85 In FDM, another ch. 1 khz. above, 5lg's, nnn, no ID. One finds this signal/format on many freqs. (ED)
19216.7 RFLI: FF FT DE FRANCE 1434 ARQhE3 92/400 8crc.Betas. Cct [LIH] to Papeete controle de voie at 1439z RFLI de RFLI. (DW)
19362.9 NAR: USN ROOSEVELT ROADS 1520 FAX 120/576 AWS upper air charts for Central/S America. Small chartlet. (DW)
19390 Unid, Brazil? 1550 ARQ-E 96/170 GG msg, to MFA Bonn (ED)
19567.7 EGI Cairo 0945 ARQ wkg EGI office Algiers and Min. info higher council to Min. info rep Algiers til 1015. MFA Cairo 1430 ARQ wkg Muscat and Algiers til 1500 w/admin tcf. (ANEE)
19655 Unid: 1417 RTTY 100/400 5lg's, "nil gru" at end (ED)
19699 UPN: NOVORSSIYSK 1119 ARQ maritime tcf (DG)
19807.9 MFA Oslo 1000 ARQ tcf til 1030 new circuit. (ANEE)
19853 V5G: MFA BUCHAREST 1115 FEC-ROU 164.5/400 Traffic in online encryption. (DW)
20012 Unid: 1430 ARQ unid diplo w/5lgs til 1500. (ANEE)
20019.8 Cuba 1601 RTTY 75/170 Minrex, 5FG's. (ED)
20020 Unid 0658 unid 228/208 wouldn't decode. (AB3)
20036.7 MFA Cairo 1015 ARQ wkg Dakar til 1045. (ANEE)
20045  Unid: 1516 RTTY 75/400 5tg's, preceded by 5 5NG's (b-hood?) (ED)
20140.4 'YBU': 2200 RTTY 75/525. 5 fg's. (PS) (Brotherhood/Soud station -LOGS)
20352  Unid: 1430 ARQ unid diplo w/5lgs til 1515. (ANEE)
20401.5 MFA Jakarta 1345 ARQ selcalling embassy Lagos, Nigeria til 1430 no contact made (ANEE)
20815  HBK83: UNHCR rep to IFOR? PACTOR 200 wkg UNHCR Geneva til 1300 (ANEE)
20930  Unid: 1500 ARQhE 72 idle til 1600 then off air. (ANEE)
21144.2 Unid: 1545 ARQ idle til 1615. (ANEE)
21147.7 Unid: 1545 ARQhE3 192 idle. (ANEE)
21172.7 Unid: 1545 ARQhE3 192 idle. (ANEE)
21353  MFA Bonn 1545 ALIS 228.5 (ANEE)
21656  Unid: 1545 ARQ unid diplo w/5lgs til 1615, poss. MFA Rome? (ANEE)
29809.9 MFA Oslo 1415 ARQ Oslo or Copenhagen w/ 5lgs til 1500, weak. (ANEE)
29965.7 Unid: 1430 ARQ-M2 200 tfc til 1445. (ANEE)

=MARITIME=
2182  P3XX2: Mv Kim 1821 USB clg Marseille radio. PJIY: Mv Amethist 1727 USB clg Humber r qsy chn S. PJIY: Mv Amethist 1743 USB clg Humber r qsy chn l S. 3VB: Bizerte r. 1836 USB ann 1687.4 khz. Mv Gryphian Otter 1816 USB clg wicker r qsy chn A. (c/s GDJX -LOGS) GBXw: Mv Iolair 2316 USB clg wicker r qsy chn l Delta. Mv Gryphian Eagle 1838 USB clg Stonehaven r qsy chnl I. (BvR) (c/s GUJY -LOGS) NMR1: USCG San Juan, PR (GANTSEC) 0244 USB w/ann. (DF) VCF: Mont-Joli, Que. CB Radio, CAN 0132 USB with secure preamble in FF & EE. (JP) NMY42: USCG Group Moriches, NY 0120 USB w/ann re 405 EPIRB (405 Mhz Emer Posn Indicating Rdo Beacon) activation from the F/V Jason M. Danielle, a 93 foot fishing vsl at posn 3940N/0715W, req vsls in the area keep sharp lookout, assist if possible. NMR1: GANTSEC, USCG Greater Antilles Section, San Juan, PR, "CG San Juan", 0523 USB wkg tug Tropic Sea Horse who is pulling a 110' barge taking on water north of Cuba. QSY 2670. NMR1: GANTSEC 0910 USB w/pan-pan ann of a Boeing 757 down near Puerto Plata, DR, w/189' PB's, was Alas Dominicanas flt 301. (RB)
2311  Fishermans nets 1012 USB. (MS2)
2412.5 Unid Fishing net 0940 USB No IDs, EE language. Fishermans nets 0219 USB. (MS2)
2416  Fishermans nets 1010 USB. (MS2)
2416.2 Unid Fishing net 1015 USB EE (Canadian) language net. (MS2)
2520  PIQN: mv Wilma UK88 1730 USB w/Scheveningen Radio. PDKF: mv Christina Z244 1803 USB wkg same. (AB)
wkg same. Radio check. P3BRG: Unid 1232 USB wkg same, who wanted to know if c/s was correct (it doesn't exist!!). Station answered "uhh, yes, just testing" but didn't say who he was. PCRK: mv Anna Hendrika KW45 1208 USB wkg same. C6HI4: mv Esso Mexico 1234 USB wkg same. PIHY: mv Volans 1235 USB wkg same, posrep. PWKG: mv Marinier 1230 USB wkg same, posrep. PHKH: mv Semi 2 1308 USB wkg same, posrep. PDYW: mv Elisiabeth G 1319 USB wkg same. (AB) MPSE 3: Fv Antje de Vries 1730 USB clg pcg qsy chnl B. MFAE 9: Fv St. John 1745 USB clg pcg qsy chnl D. PDKB: mv Combi Trader 1750 USB clg pcg qsy chnl C. PDHF: mv Brouwersgracht 1624 USB clg pcg. PDTY: mv Dutch Master 1627 USB clg pcg 13.30 Maascenter. PFTS: mv Marietje Andrea 0630 USB clg pcg with track eta Antwerp tomorrow. PGWA: mv Prins Willem 2 1635 USB clg pcg qa chnl B. PFRG: mv Magda 1641 USB clg pcg. PCIB: Fv Albert uk 1 1741 USB clg pcg. (RB)
Korea w/WOM. (RB) 8258 9HOY4: unid vsl 0723 USB clg HEB18 Berne radio, no joy. (AW)

8294 WHK: Coastal Tug & Barge, 0406 USB Miami, Fl. "WHK Miami", clg tug Coastal Key West, no joy. (RB)

8348 P3MG6: M/V Procyon 0027 CW sending 3 msgs via unid coastal sta. (RB)

8349 V7AO9 m/v INDUSTRIAL BRIDGE 1211 CW w/KPH @ 34-13N/166-07E strg 097 deg @ 14.0 kts for Buenaventura, Colombia (JSM)

8365 DSDL5 m/v PAN BRIGHT 2148 CW w/KPH @ 49-45N/134-05W strg 298 deg @ 12.5 kts for Inchon (JSM)

8366 P3VX6: M/V Ramona 0205 CW bulk carrier, clg unid coastal station. (RB)

8368 D5DO5: Pan Dynamic 1616 CW clg HLF. (AB2)

8370 3FRB2: Golden Leaf 1607 CW clg JCS. (AB2)

8484.5 HZG: Dammam R 1703 CW de hzg qsx ch 3/4/9 (BvR) Same, at 2135 CW station marker (EW)

8510 J2A8: JIBUTI RADIO 2138 CW station marker (EW)

8515 5AT: TRIPOLI RADIO 2140 CW station marker (EW)

8521 VIP: PERTH RADIO 2142 CW station marker (EW)

8522.5 FFL4: SAINT LYS RADIO 2143 CW station marker (EW)

8525 WNU: SLIDEELL RADIO 2144 CW station marker (EW)

8532 LZW42: VARNA RADIO 2144 CW station marker (EW)

8539.5 KGB4: PORTISHEAD RADIO 2118 CW station marker (EW)

8586 WCC: CHATHAM RADIO 2231 CW station marker (EW)

8604.5 DZJ: BULACAN RADIO 2235 CW station marker (EW)

8622 PCH41: Scheveningen Radio 2208 CW station marker (EW)

8630 WCC: CHATHAM RADIO 2200 CW station marker (EW)

8649.5 IAR: ROME RADIO 2140 CW station marker (EW)

8658 WLO: MOBILE RADIO 2213 CW station marker (EW)

8665.2 XSG: SHANGHAI RADIO 2212 CW station marker (EW)

8670 IAR: ROME RADIO 2205 CW station marker (EW)

8670 WNU: SLIDEELL RADIO 2149 CW station marker (EW)

8686 CNP: CASABLANCA RADIO 2209 CW station marker (EW)

8687 SVA4: ATHENS RADIO 2214 CW station marker (EW)

8691 XST: QINGDAO RADIO 2219 CW station marker (EW)

8694 XSZ: DALIAN RADIO 2137 CW station marker (EW)

8698 7TF6: BOUFARIK RADIO 2207 CW station marker (EW)

8700 9AR: Rijeka Radio 2218 CW station marker (EW)

8704 SVB4: ATHENS RADIO 2219 CW station marker (EW)

8706 JOS: NAGASAKI RADIO 2220 CW station marker (EW)

8722 VIS: Sydney Radio, AUS 0915 USB wkg unid S. Korean vsl 6NKZ for R/T tfc. (RB)

8737 5BA42: CYPRUS RADIO 0624 USB Marker tape, EE (&GG?). (DA2) [Greek -LOGS]

8746 3DP: Suva radio 0715 USB clg "Monitor Suva". (AW)

8761 Playa Ancha Chile 0815 USB pp w/unid ship in SS. (AW)

8767 VIZ: Matukore radio 2315 USB pp unid ship. (AW)

8779 JBO: Tokyo radio 0940 USB general call to all ships. (AW)

8782 XSP: Shanou radio China 0945 USB pp KMI Dixon (1/4 to 2 in the morning in the US?), (AW)

8803 FJA: Mahine radio HI 0847 USB pp w/unid vsl in Tahitian. (AW)

8809 TAH: Istanbul R 1810 USB clg unid mv (BvR)

8860 Unid: 0915 USB Spanish fishermen. (ANEE)

9210 Unid: 0930 USB Spanish fishermen off morocco, discussion of coral til 0945. (ANEE)

11313.5 Unid: 0915 USB Galician ship near London enr Denmark (ANEE)

12423 DUQF m/v ASIA BRIDGE 2223 CW w/JOS @ 36-53N/131W strg for San Francisco @ 13.4 kt (JSM)

12673.5 JOU: NAGASAKI RADIO 2310 CW station marker (EW)

12678 9VG: SINGAPORE RADIO 1341 CW station marker (EW)

12700 XSQ: GUANGZHOU RADIO 1222 CW station marker (EW)

12707 9VG: SINGAPORE RADIO 1322 CW station marker (EW)

12719.8 ZLO: NEW ZEALAND NAVY RADIO 57 CW station marker (EW)

12724 9VG: SINGAPORE RADIO CW station marker (EW)

12826.5 JCS: CHOSHI RADIO CW station marker (EW)

12840 JMC5: TOKYO METEO STATION CW station marker (EW)

12844.5 KFS: SAN FRANCISCO RADIO CW station marker (EW)

12871.5 XSG: SHANGHAI RADIO 1339 CW station marker (EW)

12907 9VG: SINGAPORE RADIO 1222 CW station marker (EW)

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12916.5 HLF: SEOUL RADIO 1253 CW station marker (EW)
12933 UFZ: VLADIVOSTOK RADIO 1338 CW station marker (EW)
12948 DYV: ILOILO RADIO 1235 CW station marker (EW)
12952.5 VIP: PERTH RADIO 1323 CW station marker (EW)
12970.5 PKB: BELAWAN RADIO 1334 CW station marker (EW)
12973 XSQ: GUANGZHOU RADIO 1229 CW station marker (EW)
13008 JOR: NAGASAKI RADIO 1328 CW station marker (EW)
13020.4 VRX: VICTORIA HBR RADIO 1326 CW station marker (EW)
13035 UTQ: KIEV RADIO 1228 CW station marker (EW)
13059 EBA: SN MADRID 1647 CW navarea wngs. (DG)
13113 PCG51: SCHEVENINGEN RADIO 1110 USB w/R/T tfc, strong. (DA2)
13131 Unid UTC? USB Discussion in Russian (UFM2?). (MS2)
13149 9VG: SINGAPORE RADIO 1947 CW station marker (EW)
13160 DZJ: BULACAN RADIO 1957 CW station marker (EW)
13172 XSQ: GUANGZHOU RADIO 1944 CW station marker (EW)
13174 XSG: SHANGHAI RADIO 1941 CW station marker (EW)
13186 IRM: CIRM, Rome 1134 CW "cq cq cq de irm" marker (MC)

= MILITARY =
2261 Neatishead 0910 USB +others on this freq w/Tracking NET. (SM)
2670 Unid USCG 0425 USB in comms w/vsl asking questions like "how much water do you have aboard". Vsl clg for some type of assistance. They adv they have no radar & their generator is not wkg. (BWS) Unid USCG Cutter 0409 USB wkg M/V Sebastian. USCG asked for owner & operator of vsl, Sebast. adv info, Reg. # L0???, type Yukalpateen?, blue steel hull, 68 meters length, white super structure, 10 POB, CG asked about food/water supplies. Sebastian said plenty, but water not so good. USCG Group Charleston 0428 USB bcst w/regs to overdue F-18 followed by wx. NMRL1: USCG San Juan (GANTSEC) 0318 USB w/wx bcst. (DF) WGF, USCG near Iosco 0302 USB wkg NVY, USCG Group Mayport (FL, US), w/date/time grp msg to be relayed 1st CG District re departure from restricted fishing area, this research vsl is run by Univ. of Rhode Island, although was using c/s WWFQ in past. NMRL1: GANTSEC, USCG Greater Antilles Section, San Juan, PR, "CG San Juan" 0305 USB w/pan-pan ann of an overdue vsl, & into wx broadcast. (RB)
2702 Coastal Control 'GB' 0036 USB (AD2)
3023 Kinloss Rescue, G 0734 USB Testing 123 etc (AB) Plymouth rescue 2323 USB w/rdo test. (HH)
3032 MAMA BEAR (weak) 0649 USB wkg NIGHTWATCH 01. WAR46 0617 USB wkg NIGHTWATCH 01. At 0657z, NIGHTWATCH net activity w/3032 as primary. 0657z, NIGHTWATCH 01 wkg VALHALLA. 0702z, NIGHTWATCH 01 wkg WAR46. Active pre local sunrise with EAM traffic; 145z, still active; by 1457z, weak EAM activity by female voice (turned out to be NIGHTWATCH 01 based on later comms), trailing the GHFS. WAR46 0051 USB wkg NIGHTWATCH 01 (very weak.) (JH)
3067 AFA1NY: USAF MARS, NY 0105 USB wkg NIGHTWATCH 01. 0105z, NIGHTWATCH 01 wkg, confirmed by 0130z. Active pre local sunrise with EAM traffic; 145z, still active; by 1457z, weak EAM activity by female voice (turned out to be NIGHTWATCH 01 based on later comms), trailing the GHFS. WAR46 0051 USB wkg NIGHTWATCH 01 (very weak.) (JH)
3113 NIGHWATCH 01 0422 USB wkg MAMA BEAR (not heard). (JH)
3122 USCG RESCUE 6029 & RESCUE 1719 UTC? USB involved in SAR for missing Navy F-18. (RS)
3130 USN 0059 USB Alligator Playground net being set up, some chatter re wkg via INMARSAT. (JH)
3134 MAMA BEAR and NIGHTWATCH 01 0655 USB confirming freq as S208, w/3032
WUNv02

(w100) now acting as secondary. MAMA BEAR seems to have to change its primary freq on about an hourly basis (Net is mostly quiet except for these freq shifts). NIGHTWATCH 01 0652 USB wkg MAMA BEAR at 0705z NW01 advises that he will be monitor only for 1.5 hours. At 0718z 01L KING calls NW01 with no response. 01L KING raised a weak station, QSY to W100 (3032). AVAILABLE 1214 USB clg NIGHTWATCH; nothing heard & gone. MISNAMER (USN)1236 USB wkg NIGHTWATCH 01, VALOROUS 0654 USB wkg NIGHTWATCH 01, entering the net. No other stations in the net and no 'current traffic' at this time. (JH)

3191 NNN0GCE4: 0117 USB wkg NNN0GCE, Navmarcormars stas. (RM)

3277 Unid: 0132 USB Whiskey 6 Echo w/list of questions to 8 Juliet Alpha for read back. (RM)

3292 AFF3T: 0139 USB wkg AFF3F, AFF3K et al in USAF MARS net. (RM)

3939 L6W & Buchcan 0810 USB w/Tracking Net, Loads of talk about MAGIC (Awacs) being on station & is coordinating chicks (Fighters). Sounds like an exercise is in full swing. (SM)

4055 CONDOR BRAVO; CONDOR; & DRAGOON comms 0215 USB. (JH) CONDOR 0438 USB clg MIKE, at 0440, CONDOR adv DRAGOON not to send any more requests until CONDOR catches up. CONDOR passed to DRAGOON: Request # 3Y3104K; Line 20, Like (?) 4045; Line 21 Desert 45; Line 22 Like (?) 2GR1; Line 23 Like (?) 4210. My guess -- US Army or DEA. (TT)

4154.5 DRAS: FGS Rheinland-Pfalz (F209) 0539 USB wkg DHJ59. DRKM: FGS Rhon (A1443) 0627 USB wkg DHJ59. (JP) DRKM: FGS Rhon (A-1443) 0021 USB German Navy replenishment-tanker wkg DHJ59 w/RTTY msg coordination. DRAV: FGS Karlsruhe (Fh121) 0312 USB German Navy type-12 frigate, wkg DHJ59, Wilhelmshaven Naval w/RTTY coordination tcf. DRDG: FGS U-28 (S-177) 0414 USB German Navy attack sub, concluding RTTY tcf w/DHJ59. (RB)

4170.5 'N': 0350 USB wkg 'M'. Talk about checking out "Shark" and "Bird Egg". Naval tracking net? (CM) Foxtrot Tango: USN Link11 coordination net 0545 USB w/MIKE, NOVEMBER, KILO, ROMEO & others. (RB)

4372 USN Giant Killer, FACSFAC (Fleet Area Control & Surveillance Facility) 0437 USB w/3 ECHO clg ZULU 1, 3 ECHO clg 6 WHISKY. (DF) I3Z: 0516 USB w/1YN and X5Q active checking comms & confirming someone "in the blue, 131 tac 003." (KS) GIANT KILLER: USN FACSFAC Va Capes 0100 USB wkg 0YN re sked areas of event V27016, req chq from W72A to W72B. OAKGROVE: NORAD SE Air Defense Sector Ctl, Tyndall AFB, FL, 2135 USB wkg FRISCO re chg playground to 0001. (RB) 5DC: UTC? USB clg Giant Killer & got a reply. Discussion of FAA flight plan for the a/c, a/c is Red/Blue. One soul on board, according to Giant Killer. (RR) 5DC: 0242 USB asking 9DF if his helo is IFR & SAR capable. It appears 9DF is a ship. He referred to something not being on board. At 0242 told 9DF to have his helo work w/USCG Falcon 2104 Falcon Fan jet on 318.8 uhf. 5DC adv Giant Killer that 9DF is going to be on scene command per req of USCG Miami until first light when USCG C-130 will be on scene. 9DF will use their helo for SAR until 1400 local. (RR) XAI: 1109 USB w/5DC and 9DC have been heard between 1109Z and 1112Z. Also 9DC told I3E that they will be "back in playground in 2 H [hours]. This makes sense as it will be daylight then. 13E: 1043 USB w/9DF as well as WHISKEY at 1043Z & 1100Z. No real messages passed just chatter. (TR)

4395 CHARLIE WHISKEY net 0828 USB callsigns include SLAP #', & single letter (i.e. UNIFORM/GOLF/etc.) callsigns. BRAVO 34 and 35 (should be data freqs.) are open for CHARLIE WHISKEY Control. Comm's sound like: "Birds affirmed, track #', have them inbound, my track #', "This is GOLF, illuminating them track #, have them turning outbound ...", and "CW, (I) have SLAP shot ... track # ...weapons tight ...aerovac in progress... bullseye available...". Sounds like an exercise to me. (BWS) (USN carrier flt op's/training noted here in past -LOGS)

4442 E1F 0350 USB wkg Andrews on F-499 (4442.0) has now switched to F-465 (8040.0). (JJ)

4445 Unid 0730 USB They are regular here at 0730 Z starting with radio checks & sometimes exercises in FF, usual callsign used is LIMA 21, 22, Key station is LIMA 21 and one day they revealed full c/s as FAL
21 etc. ID? (JS2)

4495 BEDSPREAD 1337 USB with EAM xmsn, leading the GHFS. NIGHTWATCH 01 0659 USB clg RE COURSE, w/no response. Never did hear RE COURSE mentioned past this point. At 0701z, NIGHTWATCH 01 calls & eventually raises WAR46. NIGHTWATCH 01 1422 USB wkg PLINTGUN. (JH)

4540 Ascot 5244: 1738 USB from Lyneham to Bari, selcal AK-BD. This freq seems to be used quite often now, rather than 4742 (JP2)

4547 UNID 0749 USB wkg ?AT req. pp A112. Other callsign heard ZAO. in German (HH)

4560 CGAK: HMCS St Johns (FFH340) 0436 USB Canadian City-class frigate, wkg St Johns Military w/pp req. (RB)

4585 WWJ74: FHNA, Cadillac, MI 1435 USB Kittyhawk 303, CAP, NC, w/SHARES ttc. (JM) Blue Flight net, Virginia Wing, CAP 1330 USB started w/ Chaplain's prayer, followed by Roll Call, about a dozen stns checked in (into the 500 series); ID’d as "Virginia Wing". (MS2)

4600 RAF Buchan 0920 USB wkg G3C, setting up a tracking net. (SM)

4710 RAF's Architect Volmet 1800 USB moved again! (GT)

4721 HERSEY (NAS Key West) 0731 USB wkg 2V. HERSEY 0832 USB wkg OKIE SAM (Tinker AFB/NORAD) to "kick data ALPHA 3". SLI (SIERRA ALIMA INDIA 0519 USB wkg P8P, adv to have someone from P8P's station contact them via IMARSAT (BWS) SAM 28000 & SAM 403 0400 USB wkg Andrews w/radio checks on 4721, 6683, and 11220 (via Hickam site) (EG) SXC 0307 USB clg SIDE CAR. (JH) HERSEY: Joint Interagency Task Force East Op's Center, NAS Key West USA w/kg 2YM w/link-11 coordination comm's. (RB)

4723 ANDREWS 0407-0413 USB wkg REACH 156GB who has shutdown #4 because of a fuel leak(?)-"Andy Loud & Clear", relaying for 156GB who was Not Heard. Relay with "ground station" Reach w/2hrs fuel remaining & 100 passengers. Landing at "ground station" OK'd for 0530Z. (GG)

4740.5 MAGIC 99 0820 USB ARCHITECT got fed up listening to MAGIC 99 clg on 4740.5 & changed to 4740.5 & asked if they could change to 4742 & could they be of any help. MAGIC 99 just replied w/"Architect, that's a good copy". (SM)

4742 Architect, G 0954 USB w/Ascot 4201 (AB) Andrews 0447 USB wkg AFI for radio check. (EG) KITTYHAWK 3R 0918 USB wkg Architect departing. EGDL 0905/15 estim. EGPH 1015/20 stand. relay U selcal LMBD. ASCOT 5818 0943 USB wkg Architect radio check. selcalcheck (ARCHITECT not heard). ASCOT 1102 1102 USB wkg Architect dep. Lyneham 1015/25 estim. Albergen (it sounded something like that). 1310/20 stand. rel. K selcal AJDE. (HH) OIL KENG 0538 USB wkg NIGHTWATCH 01. MISNAMER 1232 USB wkg NIGHTWATCH 01. SAM 050 0311 USB wkg ANDREWS re status of AIRFORCE ONE, then shutting down for the night. 0333z, AIRFORCE ONE active. At 0358z NIGHTWATCH 01 clg ANDREWS, but ANDREWS apparently missed the id & they called back to ARCHITECT ONE w/no response. & NW01 gone. NIGHTWATCH ONE 0519 USB clg & eventually wkg WAR46; 0616z, NIGHTWATCH 01 wkg WAR46. NIGHTWATCH 01 0258 USB wkg GIFTSHOP & LAMPCORD. WAR46 0342 USB wkg NIGHTWATCH 01. Heavy co-channel LINK 11 activity. LEFTFOOT 0623 USB wkg NIGHTWATCH 01. RE COURSE 0656 USB clg, but apparently not raising. NIGHTWATCH 01. ARCHITECT (female opr) co-channel activity. WAR46 0534 USB clg NIGHTWATCH 01. MANGROOM 1454 USB wkg NIGHTWATCH 01. (JH) SAM 050, SAM 26000, & Nightwatch 01 0100 USB all wkg Andrews on F-058 & F-465 (8040.0). AFI 0335 USB wkg Andrews on F-058 primary & F-957 (6761.0). (JH) 1EP23 1446 USB wkg Architect. (EG) 1446 USB wkg Architect. Benson-Shawbury-Benson, 6 pob. Ascot 4934 1425 USB Oslo-Lyneham/ Selcal AJ-BD. Ascot 5401 1120 USB Dijon-Lyneham. Selcal AK-DJ. Ascot 5946 1245 USB Lyneham to Tromso. IFN 22 1447 USB Northolt-Chievres, selcal DJ-FH. M6R20/34 1445 USB from Wattisham to Odiham. Relay J. Nato 10 0930 USB Selcal EM-FI/ Vertical Italy. Rafair 3C34: 1410 USB to Laarbruch. Helicopter. SZE401: 1440 USB arriving EGVO, helo. (JP2) Architect 1805 USB called NATO 11 to say RAF Waddington had HF Rx but no Tx NATO 11 said it was OK they had a UHF link to Germany and were reaching Waddington via land line. (MH2) NIGHTWATCH 01 0257 USB working GIFT SHOP w/signal check. LAMPCORD 0258 USB working NW with signal check. (MJ) 6EZ: 0750 USB wkg ARCHITECT, couldn't get a response on KR wanted new designator. Told goto TS. Habit 7: 0835 USB wkg Architect. Who or what is Habit? Broadsword 1 0940 USB wkg ARCHITECT w/pp req for
BROADSWORD Op's, signals were reported as OK (Army speak for good readable). Broadsword 1 had no joy with the first freq, can we use the second freq? Ops said that would be OK, goto to freq 2. Broadsword then asked what was it like there? I have a theory that Broadsword could be a British unit in Bosnia? (SM)

USCG secure channel? 1416 USB During Cuban incident, heard CAMSLANT mention this freq & 9001.6khz for pp. This freq. did have secure (ANDVT?) comms going on. (DF) USCG Camslant 1416 USB During Cuban incident, heard CAMSLANT mention this freq & 9001.6khz for pp. This freq. did have secure (ANDVT?) comms going on. (DF) USCG Camslant 1654 USB adv Rescue 6108 on 5696 to come up 5142.6 "green" (RR)

5198.5 CGAB: HMCS Moresby (MSA-112) 0055 USB wkg Halifax Military. (JP)

5320 NLGF: USCGC Northland (WMEC-904) 0541 USB wkg Group Corpus Christi re status of RESCUE 2111. (RB)


CWL 81: 1115 USB 53N-000W, calling "MKH5" (ground station) (JP2)

MKH5: 1550 USB wkg CL84 simplex "OK, Report when you are level. MKH5 Out" very loud here indeed. Is this FININGLY? (SM)

GAF 308 1345 USB Northolt-Cottesmore. 5687 is one of "DHW91" freqs. (JP2)

GAF 578: 1430 USB to Landsberg (JP2)

Rescue 1716: USCG HC-130 2316 USB wkg NMN w/ pp Miami Op's re has released the USS Gettysburg & USS Austin will be under way shortly, spoke to vsls, state they are Taiwanese fishing vsls. Odd freq, should be 5693? (RB)

ANDVT 0903 USB traffic (I'm sure between Honolulu COMMSTA & ZBN on "SAG Alpha"). (BS2) CWL84: 1415 USB clg "BT9P" (ground station) (JP2) Traverse City Air, CG Group Detroit and CG 2111 (RD)
RESCE 6039 0130 USB gave posn of 32.014N/79.031W, COMMSTA Boston adv them 157.35 was the freq. they were on. This appears to still be in reference to the missing Fh18. (BWS) [freq was for a DMB or Data Marker Buoy -LOGS] NNN: CAMSLANT Chesapeake 0551 USB wkg 35 CHARLIE. NNN asked for 35C's parent command if it was available. They went 364 for secured comms. I didn't receive any ANDVT trans on 5107. (BWS) Z8N 0901 USB is adv D-14 will be coming up "SAG Alpha". RESCE 6029 0914 USB wkg COMMSTA New Orleans w/"Flight ops normal". RESCE 6029 0930 USB w/posn. (BS2) CAMSLANT CHESAPEAKE 0604 USB wkg Rescue 1716, NNN reported weak & scratchy. COMMSTA BOSTON 0614 USB wkg Rescue 1716 re switch guard from NNN. (CD) CAMSLANT 0300 USB assumed guard for Rescue 6041 (DD) USCG GANTSEC (San Juan) 2220 USB wkg USCGC Reliance. GANTSEC req Reliance come up on "Able Manner"? (interesting -LOGS) Tango Juliet Oscar 7 2251 USB clg any COMMSTA for radio chk. No joy. Foxtrot 5 Oscar 2308 USB wkg CAMSLANT, req to secure radio guard. NMG: COMMSTA New Orleans 1256 USB w/Bravo 2 Whiskey, B2W going on SAR, asking COMMSTA to assume radio guard. NNN: CAMSLANT Chesapeake, Va, US 1500 USB wkg 93 Alpha, CAMSLANT will pass posn to Panther (DEA HQ, Bahamas) 93 Alpha not heard. NNN: 1539 USB clg 93 Alpha, instructs 93A to switch to Bravo freq (5841khz?) for comms w/unid station (not Panther). 93A still not heard. RESCE 703-0311 USB wkg unid Commsta w/pp District 11 re SAR, coords approx 37N, 126W. NOJ: Commsta Kodiak, AK US 0133 USB wkg 1709, missed coordinates. NNN: 0136 USB wkg 1703, flight ops normal, missed coordinates. M2O: 0138 USB wkg CAMSLANT, req adv Miami Ops that M2O has flight ops normal. CAMSLANT assuming M2O radio guard. M2O has "5 souls" on board (SOBs?). (yes, older term for "POB" -LOGS) NOJ: 0141 USB clg 6523, no joy first try. CG 6029: 0146 USB clg NNN, NNN responding but no joy. T1J 0148 USB clg CAMSLANT & CAMSLANT clg ops for radio check. T1J, no joy. Coast Guard Tango 1 Juliet out". RESCE 1718 0151 USB wkg CAMSLANT, adv that 6029 is RTB, 1718 also RTB Clearwater. 6029 cannot copy CAMSLANT so 1718 assuming 6029 radio guard until comms reestablished. (DF) CAMSPAC 1801 USB wkg CG1714 w/flt ops and pos rpts, CG1603 on grd at Pt Mugu w/hydr leak (EG) NMQ: US Coast Guard Group Long Beach, CA 0040 USB clg Corp C a/c 6015. (JP) NJJC: USS Clark (FFGh11) 0500 USB wkg USCG a/c 2133 during SAR efforts on airliner crash near Dominican Rep. (JP) 367/373 1520 USB Helicopters?. This freq is Culdrose ops. (JP2) (Culdrose Ops' = Royal Navy) Miami Obs 0310 USB w/ CG 1718 re: planes shotdown by Cuba. Mentioned Nantucket on scene of submerged debris. (LB) CG RESCE 1716 2246 USB (HC-130 out of Clearwater) wkg TRAVELLER, who was searching the area of an ELT transmission received via SAR/AT & CG District 7, Miami. 1716 was assuming on-scene command, & TRAVELLER was leaving the area. CG RESCE 1716 2255 USB wkg TRAVELLER & determined that the lost a/c had an EPIRB & was going to go to 5000 feet to recheck. CG1603 reported the confirmation on the EPIRB came via the pilot's family through CG Miami. CG RESCE 1716 2300 USB reports ops normal to CAMSLANT w/posn of 30 46.3N 73 24.6W. (MJ) Rescue 1718: USCG HC-130H 0315 USB wkg NNN's, has large debris sighted, USCGC Nantucket is also on-scene, the 1718 has 2 radar contacts submerged just below surface of water aps to be debris, req helo sortie to ID & assist Nantucket to see if it is from a/c. REACH Heavy 04: 65 0531 USB req rdo ck, NNN answers', at 0534 REACH 178 w/same. NMG1: GANTSEC, USCG Greater Antilles Section, San Juan, PR, "CG San Juan" 0704 USB wkg Rescue 6037 (HHh60J) re HF freq for the E-2C, unk. At 0719, 6037 inbound Great Inagua (Bah), for 'hot' refueling. NMG2: USCG Group New Orleans 0715 USB wkg Rescue 2122 w/req to try VHF Ch.22A to establish comms. Rescue 6033: USCG HH-60J 0720 USB wkg CG San Juan re posn/altitude of RESCE 6569. BEAR ACE 01: USN E-2C 0721 USB Hawkeye from Airborne Warning Squadron 124 (VAW-124). Carrier Air Wing 8 (CVWh8) deployed aboard USS Theodore Roosevelt (CVWh7). clg CG 6033, & at 0733 reports is on-scene. Later ID'd by San Juan as on-scene commander. Culdrose Op's: Royal Navy AS Culdrose 0729 USB wkg 04A(?) w/comms ck's. Rescue 6033: USCG HH-60J 0730 USB wkg CAMSLANT re on-scene wx (rainy), & debris observed including un-inflated lifes rafts, no apparent survivors so far. Rescue 6037: USCG HH-60J 0753 USB wkg San Juan, re is airborne & enrt to scene, ETA. Rescue 1720: USCG HC-130H
0753 USB wkg BEAR ACE 01 re ID, posn & altitude of other on-scene a/c; 01 passes OMAHA 42 (app Customs Blackhawk) at 1000', RESCUE 6033 at 100', & 6569 inbound Puerto Plata for fuel. This E-2C acted as on-scene controller, later was replaced by BA03. Rescue 6037: USCG HH-60J 0810 USB wkg Rescue 1720 as the 37 arrives back on-scene, has 3 rafts on-board, but no extra litters, 5 hrs total flight time. Last 4/5 logs re crash of Alas Dominicas flt 301 757 in Caribbean. Rescue 1502 req that helo be released & reports that they have been in contact with land CB (CH39) who still report sporadic contact. Possibility of a hoax is discussed. (RD) CAMSLANT 1400 USB adv Rescue 1716 that "D" (USCG District 7 Operations) wanted a secure pp w/them; QSYed to 9001.6 USB to run short ANDVT secure voice pp. CG Rescue 1716 1436 USB apparently the on-scene commander for the ongoing SAR effort off Cuba. At 1355z, adv MNM that the DMB (data marker buoy) had drifted inside the Cuban ADIZ. Rescue 1716 1456 USB pp Miami via CAMSLANT to adv that they had checked both sets of coordinates passed to them earlier via (secure) patch. Two "surface targets" at 2324N/8219W, & nothing at 2320N/8221W. Rescue 1718 1502 USB came up to speak w/1716. Adv they were finally able to get off at Clearwater at 1500Z; ETA to the search area 1 hour. Rescue 1716 1502 USB wkg C-130s on freq to talk about the operation. Rescue 1716 adv that CG 6031 was on-scene wkg area B5. (R3L) Camslant USCG 1339 USB adv 1502 to go to 5692 for pp. I show 5693 as the normal freq. Could this be a change or an error? After coming up on 5692 1502 was told to return to 5696 for pp. OTIS 04 1511 USB wkg Camslant, tail number 160627, KC-130 out of Beaufort TA on scene 1530, search will begin at 31' 46.3" N 077' 53.1" W, assume they are still looking for that F-18. (RR) Various US Coast Guard a/c UTC? USB searching off Georgia for missing F-18. (RS)

5700

WAR46 0136 USB w/pp for NIGHTWATCH 01 to DSN#939hxxxx, station answering id'd as "1850", they did a radio check & that was it. (BWS) Unid 1608 USB brief comms overhead no stations id'd (GG) SHOULDER USB (EAM initiator) and CHOCOLATE. SHOULDER transmitted a new 26 character string (ZAGXQE...) to CHOCOLATE, & simulcast the thing on 5700, 6739 & 11244. AVAILABLE 1214 USB clg NIGHTWATCH 01. At 1231z MISNAMER (sounds like) calls, works NIGHTWATCH 01. SHOULDER 1745 USB w/26-character EAM, simulcast on 5700; 6739; & 11244, then wkg CHOCOLATE to confirm receipt of traffic.CHOCOLATE has SHOULDER as very strong, but not the other way around, so CHOCOLATE "changes transmitters". At 1841z, NIGHTWATCH 01 clg into the net; wkg SHOULDER; clg but not wkg CHOCOLATE; and wkg WAR46. At 1846z NIGHTWATCH 01 works a very weak (here) WAR46, & then into comms w/NIGHTWATCH 02. OVERDRAFT 2055 USB wkg NIGHTWATCH 01. WAR46 0031 USB wkg NIGHTWATCH 01. 0148z, WAR46 wkg NIGHTWATCH 01. SATURDAY 0606 USB clg & raising NIGHTWATCH 01, but not hearing the response. At 0629z NIGHTWATCH 01 with 26 character EAM; at completion he called SATURDAY, but was interrupted by another station (or maybe console) w/another EAM. SATURDAY at 0718z; SATURDAY at 0804z; still active clg NIGHTWATCH 01 at 1448z. DIGNIFIED going monitor only. At 0334z, a 54.. EAM by female opr but blasted by a strong carrier on 5700.7. At 0337z, NIGHTWATCH 01 (apparent USN opr) chatting about the EAM string. At 0609z, VALOROUS up w/his call twice; into EAM; then his call twice. At 0630z, NIGHTWATCH 01 up w/EAM string, trailing the GHFS. At 1300z/1330 NIGHTWATCH 01 clg VALOROUS & RADIATION. Same at 1436-1439, both with no response. WAR46 0337 USB clg NIGHTWATCH 01 for radio checks on about an hourly basis. NIGHTWATCH 01 1717 USB wkg FLATWARE (unheard). THREESOME 2105 USB clg CONTENDER. NIGHTWATCH ONE 0111 USB clg REDHANDED. At 0113z, NW01 clg and raising WAR46. At 0136z a good level signal pops up on freq consisting of a 'rushing'/\'whooshing\' noise for 5 to 10 seconds, similar to the sounds heard on certain numbers stations both pre & post traffic. After about 10 seconds, VALHALLA went into a 26-character EAM
WUNhv02

54VSVFP I got it..."OODY....Unusual, in that these stations usually just pop up w/their strings, without keying the circuit for any length of time prior to the voice traffic. 0141z, someone weak clg NIGHTWATCH 01; 0151z, "Test 1,2,3. Test out." 0153z, PARKHILL-type preambles; 0208z, ANDVT comms with no clear voice; 0216z, NIGHTWATCH ONE clg REDHANDED; 0218z, NIGHTWATCH ONE clg & wkg WAR46. ORANGEAID 1558 USB wkg NIGHTWATCH 01, entering the net. GIFTSHOP 0255 USB wkg LAMPCORD. WAR46 0826 USB clg & wkg BULLDOG. UNDERDOG 0346 USB wkg NIGHTWATCH 01. NIGHTWATCH 01 0659 USB wkg WAR46 with a signal check. AT 1701z, NIGHTWATCH 01 clg FLINTGUN. Again at 1759z (both WAR46 & FLINTGUN). NIGHTWATCH 01 0107 USB (female opr) wkg WAR46. WAR46 1324 USB wkg NIGHTWATCH 01; 1337z, NIGHTWATCH 01 clg STATEROOM; 1351z, MANGROOM wkg NIGHTWATCH 01 on and off until 0358z, when NIGHTWATCH 01 raises WAR46 and advises him that he is going monitor only for 30 minutes. At 1440z, MANGROOM (USN opr) wkg WAR46 (not heard here), adv WAR46 that STATEROOM is monitor only for 2 hours. NIGHTWATCH 01 1458 USB wkg MANGROOM, adv MANGROOM that they seem to be unable to find a good wkg freq - try again in 60 minutes. At 1622z, MANGROOM back up clg NIGHTWATCH; & then raising STATEROOM, who then goes through the challenge process and enters the net. VOLTAIRE 0638 USB wkg NIGHTWATCH 01 for a signal check. Still active at 1305z, w/ VOLTAIRE wkg NIGHTWATCH 01, and NIGHTWATCH 01 advising that SOLUTION is active on 9017/6730. At 1409z, VOLTAIRE clg & raising WAR46. (JH) NIGHTWATCH 01 0256 USB wkg GIFT SHOP w/signal check. QSY Xh209. (MJ) SKEPTICAL 0214 USB wkg NETLOCKS "anything on WTAC yet?"..."negative". Nightwatch 0120 USB check in's followed by some type of digital traffic. (RR)

5070 MAGIC 88 0849 USB clg PBV re starting an Alligator Link w/R9C & 8CD. Req find out w/which play ground they want to use for alligator. PBV 0857 USB call, MAGIC 88 not in contact w/adv re call signs. 4CE 0951 USB wkg PBV pos. 5336N 00400E searching for the target. 4CE 1022 USB wkg PBV relayed to 4SB - 4CE located the target & reported to CG center. 4CE is proceeding it's own mission. CG 03 1014 USB wkg PBV. Something like req permission for 3,5 hours search. (HH) PBV 1705 USB clg 340 for a radio check in EE, nothing heard out. (SM)

5070 French Navy 53B8 1450 USB N262AEN from 56s, from Nimes on a training flight. Also used operational call-sign "Casar B". FNY 53D1 1330 USB Also FNY 53F3/FNY 53E2 all N262 AEN from Nimes.5709 is "Nimes Ecole" freq, used for the training of Aeronavale navigators. (JP2)

5071 SAM 28000 and SAM403 0430 USB active with Andrews (AH2)

5072 UNID 1056 USB Just for the record: LONGBOW wkg CRICKET, Bosnia stuff. (BH) Unid: 0658 USB "We want FOXY 41" (a Mystic Star channel?) Unid "KABROWAY 26" 1536 USB clg Karboway 27 after permission from ground station. No contact. (spelling not sure, very unid). (HW) Bookshelf: 1220 USB wkg Longbow & Cowboy 63/40 over Bosnia (JP2) (BOOKSHELF is loc at Aviano, Italy; LONGBOW is Air Op's Coordinating Center hAOCCh Kisaljek, Bosnia; see 3178, 5110, 5788 & 6932.5 for more related comms -LOGS)

5074 Unid 1555 USB India Delta xx callsigns. Italian sounding, lots of rolling rrrr... (SM)

5071 Unid: 1930 USB Russian Military. (ANEE)

5074 NVES: USCGC Venturous 0326 USB (WMEC-625) wkg NMN re new HFDL freq. (RB)

6035 TBO: TURKISH NAVY, IZMIR 2048 CW station marker (EW)

6032 TBA: TURKISH NAVY, ANKARA 2045 CW station marker (EW)

6039 CTP: NATO LISBON 2043 CW station marker (EW)

6502 TBB6: TN ANKARA 2151 CW tfc to TBDJ. (DG)

6550 Coastguard 03 1013 USB wkg Coastguard Center. Radio check (HH)

6550 CG 03 1013 USB wkg CG Center Out EHVB1011Z (Valkenbrug) re setting course to container search area this time. CG 03 1044 USB wkg CG Center. Operations normal pos. 5336N 00338E. PBWW 1050 USB clg CG Center for radio check. Stand by on this freq. (in Dutch). (PBWW-CG Launch Zeevalk -LOGS) CG 03 1114 USB wkg CG Center. ops. normal pos. 5331N 00339E still in search area. At 1244 ops. normal pos. 5331N 00345E. At 1249 wkg CG Center re covered search area 1 w/radius of 7 naut. miles from Detum (?) or Devum) covered it 3 times. (HH) Unid Aussie net? 1140 USB This is listed as Cape Canaveral Radio or Collins Radio, but hrd 2 stns w/Brit/Aussie accents, mentioned "Delta
SAM-682, SAM-683, & SAM-050 2030 USB pre-flight checks. Sounds like Air Force-1 will be on the air shortly. SAM-682/AH-1 2020 USB (AH2) SAM 203 1510 USB wkng ANDREWS. (DC) AF1 1643 USB wkng Andrews w/pp to communications, mentioned troubles with keyboard link, switching to system 2. (EG) ANDREWS USB wkng NIGHTWATCH 01, w/NW01 sending data "to downtown." (JH) Trout 99 1730 USB A/R Bass 10, going 868u (9218). (JP2) Andrews 2055 USB wkrk PP for SAM 202 to Andrews CP (MF2) SAM 683 0204 USB wkng Andrews since 0204...airborne at 0404. AF1 0355 USB wkng Andrews. Andy has AF-1 QSY to F777(?). Earlier, (0246Z) Andy switched 682 and 050 to 777, after trying 354. Andy also tried 226, but couldn't get the transmitter to key. Searched 10700 to 11600, figuring that 777 might be close to 354. 050 ended up back on 6683 w/pp to Andrews CP and metro at 0415Z. (MJ) Unid: 2010 USB a/c was heard telling Andrews he was standing by on F731 (MK) Air Force 1: President of U.S.'s a/c 0022 USB wkng Andrews w/comm ck's. SAM 201: USAF C-20B tail 86-0201 1826 USB wkng Andrews w/req for active runways & parking assignment, fol by pp Andrews meteo. SAM 204: USAF C-20B tail 86-0204 2337 USB Special Air Mission a/c, wkng Andrews w/pp SAM Command. (RB) SAM 60204 0200 USB wkng Andrews VIP, est at Andrews at 0335Z. QSved to F64 (11214 khz) at 0100Z for check; no joy; returned to primary, Several pp's, Fleet Service (Andrees extension 2666), and SAM COMMAND POST. (RJL)

6691 Y6N 1328 USB wkng Neatishead. Radio check. Tracknrs. Asking phone w/ 4IS. This callsign is not on the net. (HH)

6693 H2Q: 1230 USB wkng "B6H" (RAF A/G). "Blue Light" 1235 USB radio checks w/network (CK)

WUNv02
1330 USB to Mostar.C-160NG 64-G., from Squadron 1/64 "Bearn",Evreux.
Cotam 3034: 1630 USB Reims-Evreux. Cotam 3035 1339 USB Ajaccio-
Sarajevo-Bordeaux. Cotam 3088 0916 USB Istres-Sarajevo. Cotam 3090
1130 USB Sarajevo-Mont de Marsan. Cotam 3094: 1610 USB to Mont
de Marsan. Cotam 3095: 1550 USB also called "IFOR 34", to Mont
de Marsan, contacting "Casaro 5" (Cotam HQ in Villacoublay). Cotam 3139:
1110 USB Tarbes-N'Djamena. Selcal GP-MQ. Cotam 3158 1600 USB
Colmar-Solenzara. Cotam 3160 1530 USB ops normal.
Cotam 3164: 1510 USB 43Nh009E to Orleans. Cotam 3166 1704 USB
Cotam 3182: 1600 USB Ancona-Istres /aircraft 64-G. Cotam 3181 1404 USB from Istres to
32 0930 USB Villacoublay-Lisbonne /Mission UA/23. Cotam 3200: 1030
USB Istres-Sarajevo, then back to Istres and Orleans. Cotam 3200 0950
USB Istres-Sarajevo. Cotam 3200 0954 USB Istres-Split. Cotam 3394
1130 USB Rome-Iraklion. Crew=6. Cotam 3401 1220 USB
Colmar-Istres. Cotam 3401 1550 USB Istres-Orleans. Cotam 3405
1000 USB 32Nh008E to 22Nh11E. Cotam 3500 1000 USB Ajaccio-
Solenzara. Crew=6, 88 pax. Cotam 3500 1045 USB Calvi-Bastia, crew=6,
64pax, 1 ton cargo. Cotam 3500: 1600 USB Istres-Orleans. Cotam 3500:
1340 USB Solenzara-Istres, then to Orleans. Cotam 3500: 1410 USB
Istres to Solenzara. Cotam 3500: 1510 USB Istres-Orleans. Cotam 3500
1230 USB to Istres. Cotam 3500 1720 USB Diverting to Venice because of bad wx in Zagreb
Cotam 3600: 1040 USB Saint Dizier to Brindisi, then Turkish over
flight. Cotam 3838: 1440 USB operational message, air refueling.
Cotam 3900: 1130 USB Brindisi. Cotam 3915 0950 USB Cazaux-Mont de
Cotam 3970: 1510 USB 43Nh009E to Orleans. Cotam 3970: 1110 USB 44Nh007W.ops
normal. Cotam 3972: 1430 USB Sarajevo-Orleans. Cotam 3973: 1521 USB
Saint Dizier. Cotam 3975: 1003 USB to Mostar. Cotam 3976: 1523 USB
from Evreux to Orange. Cotam 3977: 0926 USB 34Nh13W to Agadir. FAF
4022 1145 USB to Banqui, probably a C-135. FAF 4151 1820 USB to
Istres. FAF 6635 0930 USB to Lille. French Navy 53A7 1300 USB Nord
262 AEN (56S)Nimes-Malaga. French Navy 53411730 USB Nimes. GAF 591
1750 USB Circus Orange inquiring about the departure of this a/c to
its location. IFD 03 1000 USB Istres-Mostar. Crew=7, 57 pax, 5 tons
cargo. IFD 074 1105 USB Metz-Lyon. Crew=11, 100pax, A-310. IFD 27
1510 USB Tarbes. IFD 73 1145 USB Mostar-Roissy.A-310. IFD 1600
USB to Istres. French Navy JM 529: 1040 USB Croughton, overhead Aviano.
Rami C1 1620 USB C-160 from "Bearn" Squadron. Adv
dropped 28 fully equipped paratroopers + 2 pallets of 2.towns each.
Rami C3/C4 1645 USB Operational flight of 2xC-160. Rami C4 1715 USB
C-160 from "Bearn" Squadron. Adv cargo dropped. (JP2)

AME 3132 1700 USB Rota. Spanish AF frequency. (JP2) RHINO 1958 USB
looking for a radio check, LEATHERNECK replies w/no contact. (JH)
SAM 26000 0618 USB cIg but not hearing ANDREWS. (JH)
"E3z" (USAF aircraft) 1432 USB with "EYS" (Italian) IFOR Bosnia (CK)
w8K 0952 USB calling DH159 for radio check."normal operation" (HH)
SAM-681, SAM-973 2020 USB MYSTIC Star (AH2) Casey O1 1725 USB wkg
Andrews VIP reporting their arrival (possibly at RAF Mildenhall). '01
made pp to Raymond 21 to report this, and said that they would be 'up
again' tomorrow. (GT) ANDREWS 0537 USB providing pp's for TROUT 99.
ANDREWS 1445 USB wkg SPAR 65 (female opr) w/pp traffic to a European
DSN number. ANDREWS 1618 USB is active on 6730.0 at 1615z cIg AIR
FORCE TWO. ANDREWS 1948 USB wkg SAM 050. The secondary freq is F873
(13248). WAR46 0324 USB cIg NIGHTWATCH 01 for radio check. At 0420z,
MAMA BEAR wkg NIGHTWATCH 01. MISMALER and NIGHTWATCH 01 1233 USB cIg
each other but not hearing each other. TROUT 99 0533 USB wkg ANDREWS
w/pp's. ANDREWS 1448 USB wkg SPAR 65. At 1534z, MACDILL calls SPAR 65
at 11175. KNAOPSACK (or MAPTACK/TRACK) 1655 USB wkg NIGHTWATCH 01
(female and male opr during same xmsn) adv that MUNICIPAL is now
exited the net. ANDREWS 1943 USB clg SAM 050. NIGHTWATCH 01 1354 USB w/EAM xmsn, trailing the GHFS. ANDREWS also on freq w/SAM activity. WAR46 0343 USB wkg NIGHTWATCH 01. SAM 973 1506 USB wkg SAM 683 (enrt to El Salvador about 15 hours earlier), & then wkg ANDREWS (who was guarding both SAM flights). 0437 USB very weak NIGHTWATCH net activity here & on 9017. At 0445z, weak station clg NIGHTWATCH 01; ANDVT comms at 0454z; INTIMATE (sounds like) wkg NIGHTWATCH 01.

LEFTFOOT 0622 USB wkg NIGHTWATCH 01. NIGHTWATCH 01 1626 USB w/EAM bcsts at 1626z (coincident with GHFS) & 1629z, simulcasting on 5700 & 6730. Players seemed to be OVERSLIDE (sometimes sounding like OVERFLY, and OVERSIGHT) & HUMPHREY. NIGHTWATCH net activity. At 0355z, NIGHTWATCH 01 clg & wkg WAR46, w/NIGHTWATCH 01 using male & female oprs in the same xmsn apparently. At 0357z, NIGHTWATCH 01 (female opr) wkg WAR46 req pp to common DSN 939 number. WAR46 had lots of technical problems in making this patch, finally succeeding around 0415z+/-— common brief connectivity check. At 0421z, NIGHTWATCH 02 up wkg someone (could not make out) w/challenge process; at completion it appeared that he may have also been wkg NIGHTWATCH 01 maybe via a pp or something. Too weak to follow.

NIGHTWATCH 01 1422 USB wkg FLINTGUN (active since around 0600z). NIGHTWATCH 01 0050 USB (female opr) wkg WAR46. NIGHTWATCH 01 1500 USB wkg OREMINE (female opr). At 1607z, NIGHTWATCH 01 works WAR46 for a signal check. NIGHTWATCH 01 0110 USB wkg WAR46 for a signal check, & req that signal checks be made on an hourly basis. SPAR 63 0438 USB wkg ANDREWS w/pp's. (JJ) Casey 01 1315 USB to 6683. (JP2) UNID 2255 USB SS male voice clg "Ola" (4 times, repeated twice) then in conversation with other male. (LB) NIGHTWATCH: 0034 USB wkg WAR46, req if they tcf for station NW. SPAR 67: VIP flt 58th ALS, Ramstein AB 0709 USB wkg Andrews w/pp UCOMM(?) who answers as LOWDOWN. Air Force 2: Vice Presidents a/c 2108 USB wkg Andrews w/comms ck's, at 2129 w/pp CACTUS 03. (RB)

6739 Earl 22 0028 USB wkg Thule w/pp to Lajes for w/x. ETA 0130z. Seat 14 0049 USB wkg Lajes, pp to Rota Billeting. ETA 01:10z (AD2) Unid: 0850 USB wkg OREMINE (female opr). At 2151z, OREMINE (male opr) adv he is going monitor only; at 1607z, NIGHTWATCH 01 works WAR46 for a signal check. NIGHTWATCH 01 0110 USB wkg WAR46 for a signal check, & req that signal checks be made on an hourly basis. SPAR 63 0438 USB wkg ANDREWS w/pp's. (JJ) Casey 01 1315 USB to 6683. (JP2) UNID 2255 USB SS male voice clg "Ola" (4 times, repeated twice) then in conversation with other male. (LB) NIGHTWATCH: 0034 USB wkg WAR46, req if they tcf for station NW. SPAR 67: VIP flt 58th ALS, Ramstein AB 0709 USB wkg Andrews w/pp UCOMM(?) who answers as LOWDOWN. Air Force 2: Vice Presidents a/c 2108 USB wkg Andrews w/comms ck's, at 2129 w/pp CACTUS 03. (RB)

6740 RAF's Architect Volmet 1940 USB added? (GT)

6751 SIDECAR 0415 USB attempting to raise A3X on 6751. (JJ) SIDECAR 2250 USB w/2VT re thanks for help in evaluation, I show 6750 as a Navy freq, does anyone know if 6751 is replacement for 6750 similar to GHFS reassignments in 12-94? (RR) (used as a NORAD op freq hLOGS)

6761 1640 USB "active" w/short radio checks from various callsigns (unable to make out the calls) & a station who id's as 'something' 14 TANGO NOVEMBER (the 'something' sounds sorta like SABERSomething) clg SKYBIRD. The freq is being id'd by the stations as QUEBEC (the way it use t'be). During the brief comms between the weaker muffled voices, I may have caught the word exercise. ONE FOUR TANGO NOVEMBER clg SKYBIRD. AIR FORCE ONE 0320 USB wkg ANDREWS w/wheels-up info & expected flight time. Enrt to NEWARK. At 0351z SAM 26000 wkg ANDREWS. At 0435z, there were some AGAR calls on freq. At 0650z AIRFORCE ONE up w/pp to CROWN/AFOC w/landing & in-the-blocks info at NEWARK. JUMBO 30 1756 USB clg 'something' 80. EXECUTIVE ONE FOXTROT 1622 USB wkg ANDREWS. At 1653z, 'something' 93 clg 'something' 81 (could not make out the calls). Unid station station 1548 USB (could not make it out) clg 'something'22. (JJ) Quid 84: 2010 USB fixing A/R w/'"Testy 14"(or, Zesty ?), enrt Bermuda. Quid 94: 1525 USB talking to "Spar 19" (?) about A/R CT. (SPAR 19 19th ARW Robins AFB, Ga -LOGS) Sam 518 1718
USB to Aviano /DV2 +10. (JP2)

6779 DRDG: FGS U-13 (S-192) 0149 USB German Navy attack sub, wkg DHJ-59 w/RTTY coordination tfc. DRAV: FGS Karlsruhe (F-212) 2349 USB German Navy type-12 frigate, wkg DHJ59, Wilhelmshaven Naval w/QSL for RTTY tfc. (RB)

6780.2 Unid: 0830 LSB French MIL at posn "miracle" involved in gun firing. Channel ID as a Verite-Series channel. (ANEE)

6797 Unid: 0240 USB Hot Rod & Straight Jacket (?), also trading long bursts of traffic on harris modem, voice traffic is surprisingly informal in format. (ED)

6815 Sunglass (net control?) 2047 USB wkg Queensland, Curtain Raiser, Marksman & Coachman. Anybody know who this was? Definitely military but not very professional sounding. (JP) (poss USMC -LOGS)

6830 SAM 204 1505 USB wkg ANDREWS. (JH) Andrews 2014 USB w/pp for a/c S18 to Executive Travel. (MF2)

6833.5 IHBA: ITS Basento (A-5356) 0713 USB Italian Navy water replenishment tanker, wkg ICS, Italian Navy La Spezia, w/"immediate" tfc, mixture EE phonetics/Italian used. (RB)

6937 Cape Radio 2032 USB wkg Clearance 1, was told to RTB. (MK) NQSP: USCGC Vigorous (WMEC-617) 1811 USB wkg DoD Cape reporting on station at 2016N/0784W, their helo 6570 is on deck. NCOA: USS Mosbrugger (DD-980) 1818 USB wkg Cape Radio re os on station. Cape adv contact DoD Cape this frequency. Commrs re launch of Space Shuttle Columbia on mission STS-75. (RB)

6939 GW: 1520 USB on freq w/GR. loads of a/c callsigns quoted: DOG 05, 06, 07, BEAR 102, CI 300 & 305, WILDCAT 25, BLASTER 42, 44, FOX 1. Lots of exchanges: "Strike Packages" & "Primary Mission may finish early". Talk of "RED & BLUE Air" (SM)

7472.5 FDC: FAF METZ 1246 CW Marker "vvv FDC" badly cut tape. (DW)

7475 VALOROUS 0655 USB wkg NIGHTWATCH 01. Heavy AA swbc co-channel qrm of course. (JH)

7500 WAR46 1338 USB wkg A/PP for someone. Other stn too weak to copy, pp msg "The chair is against the wall" NW01 responded "the door is open" (RR)

7502.3 Unid: 1715 CW tuning poss Turkish navy? (ANEE)
secondary F-877 (4721.0), SAM 050 is riding shotgun. (JJ)

PATRIOT 0233 USB clg PATRIOT REAR. Deep U.S. South accent. Freq very active w/ANDVT comms, in fact on more than one day. (JH)

V2M: Unid U.S. Military 2115 USB clg unid trigraph callsign, no joy. 2170 (RB)

NNNOCEI: USS Camden (AOE-2) 0048 USB MARS sta, wkg NNNNOVGV for pp tfc in rotation. NNNNONZ: USS Mount Vernon 0051 USB (LSD-39), wkg NNNNOVGV for pp tfc in rotation. NNNNOCYF: USS California 0056 USB (CGN-36), wkg NNNNOVGV for pp tfc in rotation. NNNOCRZ: USS America (CV-66) 2308 USB wkg unid shore station re computer info. America returning from her last deployment before being decomm'd this summer. (RB)

Nowra control NSW AU 0645 USB long coded tfc. This is Navy ch 4. (AW)

VHI: Darwin Control, AUS 0905 USB Royal Australian Navy, Darwin, clg Nowra Control. VLRK: HMAS Geraldton 0905 USB (PTF-213) wkg Canberra Control, req OSY to D5. (RB)

Unid: 1730 USB Russian military or maritime? (ANEE)

NDTS: USCGC Dauntless (WMEC-624) 2242 USB w/pp to USCGC Valiant (apparently in port) via CAMSLANT Chesapeake. (JP) NDTS: USCGC Dauntless (WMEC-624) 0023 USB clg NMN, no joy using ID "CG cutter Dauntless". (RB)


AAEG: USAV Kennesaw Mountain (LCU-2002) 0213 USB clg AAC2. ADMO: USAV El Caney (LCU-2017) 2309 USB clg AAC2. (JP) AAEI: USAV Churubusco (LCU-2013) 2311 USB gave its 1800 posn report to AAC2, stating it was bound for Port Royale, Jamaica. (RA) AAEF: USAV LTG William B. Bunker (LSV-4) 0233 USB wkg ADMO w/request if they can raise ADMM. This is a Logistics Support Vessel fm 1099th Trans Detachment, Ft Eustis, Va. AAF: USAV SP4 James A. Loux (LSV-6) 0515 USB wkg AAC2, Harbormaster Ft Eustis, Va, w/posn/status report, vsl at Guantanamo Bay, Cuba. AADT: USAV Aldie (LCU-2004) 2235 USB wkg AAC2 w/posn, status, QTH is Port-au-Prince, Haiti. (RB)

CTP: NATO LISBON 2057 CW station marker (EW)

JNA: JAPANESE SDF RADIO TOKYO 2121 CW station marker (EW)

VTG: INDIAN NAVY, BOMBAY 2147 CW station marker (EW)

VTP: INDIAN NAVY, VISHAKHAPATNAM 2314 CW station marker (EW)

Unid: 2235 USB Computer Voice w/wx report. (SM) And at this time CAMSPAC Pt Reyes, Ca -LOGS)

ANDERSON AFB, Guam 1200 USB w/pp for REACH 017PE. (DA2) Hickam & Andrews 1737 USB w/EAM. (EG)

ASCOT 5627 1513 USB wkg Lajes C-130 pp Lajes PMSV wx 1800. Lajes calls the flight OSCAR 5627. SAM 31681 1517 wkg Lajes (C-9C) pp DSN 858-5058 (SAM CP): dep Shannon 1505, eta next station 1940, DV code 2+12 (Holbrook?) arr Ramstein 1140 dep 1125, req adv enrt Shannon - Gander (the mysterious next destination?) & need a frequency. NAVY 50496 1007 USB wkg MAINSAIL (VP-3A) later on 11175 (BH) PRESS CARD 2228 USB w/pp through Lajes to DSN 339-XXXX, station answering id'd as D4 OPCON, OPCON told PRESS CARD to proceed, do not land, & that they would receive further instructions after talking to DCO. (BWS) Elemendorf 1741 USB wkg RHETT 10 ? pp to ? re PAX/DV's trans, 8k fuel, & 20 lbs wet ice, space 1 (EG) MCCLELLAN 1537 USB w/all freq req for HICKAM, then finally on 8968 only. No response. Probably for data transmissions. (JH) JMT04 1615 USB to Sigonella, VR53, carrying P-3 engine. Navy JW 270 1330 USB Brunswick-South Weymouth. Reach 72037 1930 USB to Francfurt. SAM 681 1525 USB Calling Andrews VIP via Lajes. Going 465u. Lost contact. Titan 82 1430 USB to Lajes. (JP2) Chalace Bravo: E-3 AWACS 2032 USB wkg Offutt w/pp Hickam Meteo who ID's them as SENTRY 31. (RB)

SPANGLE 709: USN P-3C 2330 USB wkg BLUE STAR re will stay up 101 net for safety of flight w/ACU. (RB)
Airforce linkup frequency 0830-0915 So far Id'ed are AXF Sydney, AXI Darwin, Townsville, Perth and Auckland NZ. (AW) AXI: RAAF DARWIN 0802 USB wkg Hudson 573, flight between Rockhampton & Melbourne (Australia). RAAF Perth, RAAF Darwin, RAAF Townsville & RNZAF Auckland 0900 USB radio checks. (DA2) AXJ: Air Force Pearce (RAAF, Perth, Australia) 2215 USB wkg acft 014. Some amazing long path grayline reception during late afternoon here in North America. (JP) AME 0436 1130 USB is one of the Spanish AF freqs. (JP2)

AFB 601 1430 USB Bakou. IFO 02A 2000 USB C-130 to Ramstein/wkg Thule(!) (JP2)

SDC 843 1305 USB unid (C-130) very extensive wx-reports in Swedish. I believed to hear the numbers 843 several times as c/s, so I wrote down SDC 843, which is one of their Herks. tentative. Lisboa 1309 USB wx Lajes (BH) HOOK-02 2107 USB (flight of 4 EA-6/B) departed Campbell AAF enrt Nellis AFB w/pp via MacDill to ? This was the first EA-6/B I've heard on HF. (DE) MACDILL 1732 USB wkg NIGHTWATCH 01 passing 'exercise injects' starting at GWF 195. MACDILL set up a schedule w/NW01 so that NW01 would meet MACDILL on 9016/13248 at 2030z. (JH) AC 034 1027 USB Lisbon-Split/Seclalc CM-BS /Port AF. Cotam 0001 1800 USB DC-8F from Bangkok to Paris-Roissy.end of presid.visit. Cotam 0003: 1420 USB over the atlantic (Point M) Cotam 0039: 1515 USB ops traffic, msg type A (?) & verre to 11247 IFN 14 1450 selcall check on AJ-DL. Cotam 2002 1210 USB 41N-14W, ops normal. Cotam 3100: 1450 USB Mostar-Istres. 3 RAPASAN on board (RAPAtirement Sanitaire). Cotam 3181: 1620 USB to Istres. Cotam 3184: 1420 USB from Rome to Brindisi. IFD 04: 1400 USB Yugoslavia-Istres.4 EVASAN on board. IFOR 31 1430 USB Mostar-Calvi.60 pax. Reach 23294: 1035 USB Clg MacDill (JP2) MacDill 1931 USB w/pp for JAKE 11 to JAKE Control (MF2) NW01 1731 USB wkg MacDill. MacDill passes traffic: Exercise Inject GWF195, GWG196, GWH197, GWI198, & GWJ199. MacDill adv NW to call back at 2030z on discrete 9016 pri. 13242 sec for more traffic. (MJ) PAF: Porto Santo. Madeira 0949 USB Portuguese marine traffic list.(SM)

N 800DA: 1740 USB HS-125 going to Naimex (JP2)

Unid Stn 2221 USB w/airport wx for number of airports; not VOLMET. Apparently a special list for one particular air craft (RF 209 or RF209 ?), which asked for and got repeat of condx at EINN (airport code?); also asked for wx at Shannon, AFA Andrews listed here in CFL8; but signal was weak. (MS2) [CFL should show primary users: Canadian Forces CanMacs freq -LOGS] SENTRY 40: USAF E-3 AWACS, 964th 2022 USB ACS, Tinker AFB, wkg Trenton Military re wx KCOF, KVPS, & MYNN. CanForce 6214: 2025 USB wkg Trenton Military w/seclalc ck ??-AD. (RB)

SAM 518 1100 USB from Aviano to Andrews direct. DV2 on board. Also with Andrews VIP on 11059 but no contact yet. (JP2)

TUFF 18 1805 USB wkg RAYMOND 07 w/pp, getting wx for somewhere. At 1812z, SENTRY 60 wkg RAYMOND 07 w/pp to RAYMOND 24. Both patches successful. (JH)

MCCLELLAN 1550 with data transmission. Missed second station, but suspect HICKAM. 1704 Signal pops up on 9016, full of clicks, pops, beeps, boops w/ the opr reading an EAM string. Opr is very hollow sounding & echo-y, similar to the sound of some of the Commands during a flash override precedence conference call. Probably an inadvertent keying of the xmtr. MACDILL 1830 USB clg ORANGEAID (also clg ORANGEAID on GHFS with all freq request). No response. Further GHFS all freq request at 1834z (one of the freqs used included 13242). 1835z, ORANGEAID up on freq, where they are moved to 13242. MCCLELLAN 1953 USB wkg SILKCORN (sounds like) in voice & data. NIGHTWATCH 01 0226 USB wkg MCCLELLAN; at 2039z, MCCLELLAN wkg a now unheard NIGHTWATCH 01; than at 2042z, over to the landline. MACDILL 1713 USB clg MCCLELLAN. (JH)

Unid "565" 0945 USB giving wx info to Andrews AB. (AW) ANDREWS 1538 USB wkg SPAR 66. MUNICIPAL 1652 USB clg NIGHTWATCH 01 to exit the net, but raising KNAPSACK (or MAPTACK or MAPTRACK, take your pick) & exiting the net with them. At 1706z, KNAPSACK clg SATURDAY (who stayed active for maybe 24 hours). At 1933, NIGHTWATCH 01 clg SATURDAY. OVERRIDE 2111 USB with EAM, then wkg other stations in the
net. FLATWARE 1716 USB wkg NIGHTWATCH 01, w/FLATWARE entering the net. ORANGEAID 1559 wkg NIGHTWATCH 01. 1552 USB weak NIGHTWATCH net activity, w/chatter involving LIMA FOXTROT (low frequency). NIGHTWATCH net 1759 USB w/OVERSLIDE (entering the net) & HUMPHREY. "Current traffic were two strings taken from 1630z+/- EAM sets. HUMPHREY 2107 USB w/in-the-blind "three-six-nine message of 6 groups" to the net, w/1 minute fast timestamp, and authentication, then gone. BLUEBERRY 2015 USB clg NIGHTWATCH 01 (data xmsn on freq earlier), & answered at 2016z. NIGHTWATCH 01 2043 USB clg and raising ONEPUNCH. NIGHTWATCH 01 is getting ONEPUNCH to ack receipt of NIGHTWATCH's traffic: 2WXXVKO... - the final string of the 20/20/26 character EAM set of 2023z1z on the GHFS. ONEPUNCH confirmed receipt of the "eoe aea emm" (term last heard used in March of 95 - it's usually called 'traffic.') At 2302z, WAR46 clg NIGHTWATCH 01 for a signal check; 2345z. "Hello, hello, hello;" 2356z. NIGHTWATCH 01 (now female opr) clg & wkg WAR46 for a signal check. GOLFBALL USB wkg NIGHTWATCH 01. AIR FORCE TWO 1815 USB wkg ANDREWS on 'secondary.' NIGHTWATCH 01 1704 USB with a 20-character EAM; at completion, NW01 called SOLUTION in the blind and made reference to WB. (JH) UNID 1830 RTTY I heard encrypted RTTY (but no voice) which may have been KNAPSACK passing the traffic to the other net participant(s). (MJ)

9023 DEER HUNTER 1700 USB wkg BANDSAW INDIA w/AWACS type traffic, discussion of UHF freqs for links (EG) DRAGNET SIERRA 1740 USB (female opr, & very strong into coastal Texas) wkg a very weak NORTHERN LIGHTS, with talk of SATCOM checks. DRAGNET SIERRA 1740 USB (female opr) wkg NORTHERN LIGHTS. DRAGNET UNIFORM 1836 clg NORTHERN LIGHTS; NORTHERN LIGHTS clg DRAGNET UNIFORM; & neither apparently hearing the other. Within moments, FOCUS (no suffix) clg REDHEAD, w/no apparent response. DRAGNET TANGO 1725 USB wkg DRAGNET UNIFORM. "22 is the freq pair. Getting strobes from your area." (JH) Deer Hunter: 1729 USB wkg Dragnet Sierra, Focus - doing checks and DATA via UHF 282.6, 355.2. (WL2)


9032 IFN 94 1440 USB Nice. RAF helicopter. (JP2) Aero comms in SS. 02/01 0745 USB. "Miami" mentioned several times. QTH unknown. (PS)

9056 ORANGEAID 1600 USB wkg NIGHTWATCH 01. At 1609z, SPACEACE works NIGHTWATCH 01. (BH) ORANGEAID 1600 USB wkg NIGHTWATCH 01. (BH) NIGHTWATCH 01 is getting RESPONSE from SPACEACE. ORANGEAID is weak & hundreds of miles away. ORANGEAID 1600 USB wkg NIGHTWATCH 01 at 1618z, NIGHTWATCH 01 confirms 'current traffic' (strings from 1517z and 1454z GHFS cycles). 1637z, very weak EAM on net (concurrent with GHFS), also on 1120. 9057 still active at 1805z. (JH)

9057 FISHBOAT 2107 USB wkg NIGHTWATCH 01. At 2121z OVERDRAFT w/26-character EAM to FISHBOAT. JAILDOOR 1830 USB wkg a barely heard NIGHTWATCH 01. Then, RAFTLOG (probable USN asset) up on freq clg & wkg JAILDOOR. At 1833z there was a request to perform a 'something' (sounded sorta like alpha-2) check; then a "At my count, three, two, one." Expecting ANDVT or PARKHILL comms, instead it was simply one-second ticking. This went on for a minute or so, then voice comms, & a 'thanks for t-quad check.' The 't-quad' chatter is common, but the ticking is not. Sounds similar to the time-standard 'ticking' activity involving the FTS heard on the net on 24 Feb by Larry Van Horn. STATEROOM 1634 USB (fair to poor here) wkg NIGHTWATCH 01.astro. 9057 now primary. (JH) NIGHTWATCH 1910 USB is up and very weak in S.Florida (MF2)

9122.5 WUBS: USAEC Norfolk (Virginia) District 1531 USB wkg WUA/New England Dist., waltham, Mass. (JH)

9320 AIR FORCE ONE 2257 USB wkg Andrews. (BWS)

10046 4XZ: Isreali Navy, Haifa, 2210 CW ISR w/CQ marker. (RB)

10192.5 DRAS: Kriegship Rheinland-Pfalz 1552 USB clg DHJS9. DRAV: Kriegship Rheinland-Pfalz (BWS)
WUNhv02

Karlsruhe 1525 USB clg DHJ 59 for radiocheck (BvR)

10205 ANDREWS 1902 USB wkg SAM 204 (unheard here) on 917. ANDREWS parked him here while ANDREWS worked on his data modems and other equipment. (JH) SAM 204: USAF C-20B tail 86-0204 2022 USB Special Air Mission a/c, wkg ANDREWS for rdo ck's. (RB)

10470 FDC: FRENCH DEFENSE COMMS CW BEACON (HW2)


10548.6 Unid 1725 USB Callsigns include: "Combat Tower" and "Coronado" among others. (Dw2)

10780 A624 1350 USB w/pp through Widbey Island OB. (MS2) USS Moosbrugger 0155 USB wkg Cape Radio. Cape Radio booming in So Cal.. Cape Radio said they were simulcasting on 10780 and 6937.. Asked Moosbrugger to respond w/best freq heard. (PP) CLEARANCE-1 : 1754 USB clg "Fisher", Cape Radio answers, rdo ck. NCWA: USS Moosbrugger 1755 USB (PD-980) clg Cape Radio, no joy. QSY'ed to 6937 w/Cape. NOQP: USCGC Vigorous (WMEC-617) 1807 USB wkg USS Moosbrugger w/comm's cks. KING 3: USAF HC-130 aero/res 1815 USB a/c, wkg "Fisher" (Cape Radio), re ETA, is on taxi now for take off. Comms re launch Space Shuttle Columbia on mission STS-75. (RB)

11114.5 CMU967: Havana, Cuban Naval 2125 CW Ident followed by "OK? K". (PS)

11155 RIT: RUS Navy, Sveromorsk 1531 CW clg RKF80/RCQ48 (MC)

11155.4 RIT: CISN VAYVACH 1404 CW Tfc at 16 wpm. Calls RKZ de RIT with tfc "FM RJD56" in p/l. (Dw2)

11175 Reach 59411 1134 USB Clg Mainsail for RC. No joy (AB) REACH 72530 1508 USB wkg MAINSAIL no joy -> 8968 (Thule) pp PMSV wx GLCP (Las Palmas) 2000. REACH 11480 0815 USB wkg Ascension (C-141B) pp Mildenhall AMCC: C-141, diverting from Keflavik, eta 1030, need fuel only to continue mission (80K). Mildenhall says they can't handle, too busy, call Hilda. pp Hilda: divert to Lakenheath, crew comes up w/Shannon, but Lakenheath it will be, 3 hrs of fuel on board, low on fuel on arrival. Need flight plan Lakenheath ENEV (Eveness, Norway), eta Lakenheath 1045. At 0906 again, pp PMSV wx Lakenheath --> 15016. SPAR 66 0838 USB wkg Croughton (C-20A, 83-0500) pp DSN 480-8450 (Phantom = EOC = European Operations Center): dep 0703 eta Rota 0945. The female radio operator on this flight 'assisted' Croughton: whenever an a/c called & Croughton didn't answer in 3 seconds she interrupted & asked Croughton do you read this and that flight. The operator at Croughton got a bit annoyed & explained he was wkg other frequencies as well & asked her to 'just relax a little'. SPAR 66 1030 USB pp Phantom: arr Rota 0939, tailnr. 500, is Spar 43 on schedule? (Spar 43 usually is a T-43 - Boeing 737). IFO 09 0842 USB wkg Croughton (IFOR related) pp ramstein PMSV wx ETAR 1000, pp Ramstein AMCC: tailnr 0002, A1, 3 pax, no cargo, req. early dep. slot, req. upload information. JM 789 0843 USB wkg Croughton (US Navy) pp Croughton (C-141B) pp Mildenhall AMCC: eta 1115, A1, 21312lbs/8 pallets pp Mildenhall PMSV wx Egun 1115, pirep: C-141 5305n 2614w fl330. REACH 40637 1006 USB wkg Croughton pp PMSV wx Lakenheath and Ramstein. pp Mildenhall CP: cross winds at Mildenhall out of limits, divert to Lakenheath. REACH 60196 0856 USB wkg Croughton (C-141B) pp Ramstein CP, Ramstein PMSV wx 1200, lost contact. BATIK 0904 USB wkg Croughton msg traffic, 9 trigraphs. Spelling not sure. IFO 19 0911 USB wkg Croughton (IFOR related) pp Sigonella CP, PMSV wx 1215. REACH 50239 1000 USB wkg Incirlik/Croughton (C-141B) all frequency calls. REACH 28522 1009 USB wkg Croughton pp PMSV,wx Brize Norton. pp Hilda: scheduled to Mildenhall, winds are out of limits, alternates Ramstein & Brize Norton, crew change planned at Mildenhall, req div to Brize: divert to Lakenheath,eta 1250. IFO 10 1036USB wkg Croughton (IFOR related). REACH 2R3 1048 UZSB wkg Croughton (C-57) pp Ramstein AMCC: eta 1400, A2. pp PMSV (BH) REACH 6FP USB This may not be the correct c/s as I couldn't hear them, just the receiving station. They were getting the wx for OKKB and I'm sure Kuwait was mentioned. Is this Kuwait? RY26 2330USB wx Ascension weak/unreadable. (CH) NASA-931 1900 USB for radio check to Offutt. First called on 11176 (DE) Hickam 1734 USB with 6PA auth IT (EG) REACH 60184 2305 USB w/Ascension pp for Dover CP/meteo. REACH 60145 2308 USB w/Hickam meteo (GG) Casey 01 KC-135A tail-number 57-2589 1925 USB wkg Incirlik GHFS w/pp to DSN 858-xxxx,
req pre-flights for the 15th. Andrews replies '15th at 05.00, 114u primary, 982u secondary, 365u backup'. (GT) MACDILL 1534 USB c/lg SPAR 65 at 1534z on 1175..0, so she's still active; and MCCLELLAN did an all freq request at 1537z for HICKAM, finally c/lg HICKAM on 8968 only w/no response & gone. WISE 81 1617 USB w/kg OFFUTT w/pp to BLACKBIRD OPS, and pa to another DSN 579 number. AUSSIE 049 0250 USB w/kg HICKAM w/pp to TRAVIS wx. SPAR 57 1705 USB c/lg MAINSAIL. At 1706z OCEAN 95 c/lg MCCLELLAN. RADIATION 1538 USB c/lg ANDREWS at end of the final string of the 20/20/26 character set of the 1517z EAM bcsts. He was having numerous tech problems with apparently his xmr. TURBO 0614 USB w/kg OFFUTT, with apparent OPS NORMAL, 3-element group traffic. OFFUTT seemed to be helping & assuring the opr in this process, & seemingly confirming that it was ok to 'reference GLOBAL STATION re passing your traffic.' D2U 1717 USB w/kg MACDILL w/pp to COMSUBLAND DWO, adv that he will continue with the mission, supporting the battlegroup. Apparent U.S. attack sub. SAM 973 1544 USB w/kg MACDILL.

JAILDOOR 1817 USB w/kg MACDILL w/pp to NIGHTWATCH 01, getting w/kg frequencies: S310/S309. JAMBO 41 0036 USB w/kg ASCENSION w/pp to MUDBUG CONTROL. Interrupted at 0037z by GHFS EAM rotation; heard at fair level on 17976, so maybe propagation was a better on that day. AIREVAC 7003 0757 USB w/kg MCCLELLAN w/pp tcf. SAM 681 0002 USB w/kg ASCENSION, getting ANDREWS freqs. Up again at 002z. WISE 1809 USB w/kg MCCLELLAN w/pp to ANDREWS wx. ISRAELI AIR FORCE 007 1617 USB c/lg MACDILL, w/nothing heard. 2XB 1040 USB w/kg MAINSAIL. At 1040z 045 c/lg "any GLOBAL STATION this net" & raising ALBROOK; placing pp to Roosevelt Roads. At 1044z, RAID 26 c/lg OFFUTT. 2009 GHFS with 20-character EAM string "FOR ASHMORE." MOTOWN 3 1308 USB c/lg MACDILL. AIR FORCE RESCUE 50987 1534 USB w/kg ALBROOK w/pp to KING OPS (DSN 854 number), making hourly checks. At 1052z, RAZOR 02 w/kg MACDILL w/pp's. (JH) Airevac 1074 1315 USB w/kg MCCLELLAN w/pp to TRAVIS wx.quoise 11: 1040 USB Both Croughton and Ascension, planning A/R at 60W. Navy 50496: 1435 USB c/lg Presidential Radio, QSY to 616u (9320), then 211u (11056), contact "at bottom of every hour, due to radio problems, only one set available"). Quid 12: 1510 USB KC-135, 100th ARW, south Elba, to Mildenhall (the south of the island of Elba seems to be one of the favorite A/R zones in the Mediterranean). Reach 11382 1300 USB to OKBK /n=50007. Reach 1191 1530 USB to McGuire. Reach 11A3: 1445 USB 38N-18E, FL 330, to Incirlik. Reach 11S2 1445 USB to Sigonella. Reach 59411: 1515 USB going to Spangdahlem, support for A-10s det. returning. Reach 60128 1000 USB to Ramstein/followed by 60141. Reach 60F5: 1435 USB to Kuwait City Int'l. Spar 66 1410 USB Stuttgart-Andrews. (JP2) MacDill 2100 USB w/kg Blue 71 to Shock. Andrews 2124 USB w/kg w/pp to Horizon 21 to Raymond 9, dep? approx 15 mins till, est their station on the hour, req pass msg Horizon 23 they are not required to make a third run. Andrews 2140 USB w/kg w/pp to RAZOR 42 to Andrews ext & Metro for ETA to to Incirlik. Adv that they are not conducting A/R with 0216UTC. Andrews 2250 USB w/pp to Raymond 9. Albrook 2250 USB w/pp for Shark 18 re a/c was struck by lightening right after takeoff, app no damage, but the hit was on right aft side. (KS) Offutt Global USB w/"SKYKING, SKYKING (repeated 2x) DO NOT ANSWER, ZULU MIKE FOXTROT. TIME 56" tcf. Elmendorf USB w/Lima Alpha 338-1. McClellan 2138 USB //11244. Offutt 2140 USB w/Reach 106. Offutt 2145 USB giving wx for Kelley AFB, Melrose range w/Mainsail w/Reach 4 Mike 5 MacDill providing various pp's for Airforce Rescue 86 mentioned Cherry Point several times. (LB) Andrews 1929 USB w/kg PP for SPAR 84 to Commercial #507-828-2101 in Panama. Albrook 1952 USB w/kg pp for SHARK 11 to Howard meteo. MacDill 2031 USB w/kg PP for SUMO 74 to a DSN#582-3458 MOUSE 14. Offutt 1927 USB w/kg PP for Reach 50259 to Andrews CP & meteo. Albrook 1929 USB w/kg PP for Shark 63 to Furious. Andrews 1945 USB w/kg pp for SHARK 23 to Lobo. Andrews 2216 USB w/pp for MAGIC 59 to a DSN#423-1110. Ascension 2241 USB w/kg pp for REACH 50239 to TRAVIS meteo & CP (REACH 50239 C-141). Albrook 1911 USB w/kg PP for SHARK 24 to LOBO. Offutt 1943 USB w/pp for REACH 50001 to Dover meteo. Andrews 1948 USB w/pp for KING 84 to DNS#854-7127 (Rescue Ops). Albrook 1920 USB w/pp for NAVY INDIA 9 MIKE GOLF to DNS#Jack City (MIKE GOLF was passing traffic for Spangle, reporting group counts. Albrook 2012 USB w/pp for SHARK 60 to Lobo. Ascension 2000 USB w/pp for REACH 4 ROMEO 2 (C-141)to Dover CP. Albrook 2008 USB w/kg PP for SHARK 12 to Lobo.

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Albrook 2009 USB wkg PP for SHARK 33 to Lobo. Andrews 2012 USB w/pp for REACH 0447 to Dover CP. Ascension 2000 USB w/pp for REACH 60158 Dover CP & meteo. Bayonne 2008 USB w/pp for AFORE 21 to DSN 875-6750 BAYONNE requested switch to 11217. Albrook 2025 USB w/pp for KING 64 to Rescue OPS. Albrook 2033 USB w/pp for AFORE 21 to DSN 875-6701 SANDCASTLE OPS AFORE 21 was checking deconfliction routes to Latin America. Albrook 2049 USB w/pp for REACH 00532 to Charleston meteo (REACH 00532 Ch17). Albrook 2059 USB wkg PP for SHARK 21 to Lobo. Albrook 2100 USB w/pp for KING 64 to DSN# 854h7113 Patrick meteo. Andrews 2131 USB w/pp for REACH 45 FOXTROT 5 to Dover meteo. LIMA DELTA 011 1924 USB clg for a ground radio check, no joy. Andrews 1925 USB w/pp for GOLD61 to McGuire CP & meteo. MacDill 1930 USB w/pp for REACH 04615 to Hilda America (Taill #40615). Albrook 1935 USB w/pp for AFORE 21 to DSN#525-4138. Ascension 1934 USB gives PEETRO 41 a radio check (PEETRO 41 is a KC-10). Andrews 1941 USB w/pp for REACH 70037 to HILDA & Scott AFB. meteo. MacDill 1955 USB w/pp for AGAR 72 to Wright Pat meteo. Andrews 2011 USB w/pp for SPAR 86 to a DSN#. Andrews 1932 USB w/pp for SNOOP 44 to Offutt. Albrook 2016 USB w/pp for SHARK 85 to LOBO. Andrews 2034 USB wkg AUTOGRAPH who is looking for Nightwatch primary & secondary freqs. (P-X903 S-S310). (MF2) NIGHTWATCH 01 0308 USB wkg Ascension w/pp to "0344" NW not heard. D2U? 0719 USB wkg MacDill w/pp to COMSUBLANT. D2U adv that they now feel they can continue w/mision, & that the tiger team could not get to < in time. They will be getting an escort for the rest of the exercise. D2U said that they will maintain a "can-do attitude." (MJ) HAND 72: 0349 USB wkg Ascension GHzF w/pp SANDCASTLE op's (who ID's as DUKE). ADMW: USAV Malvern H117 0606 USB (LCU-2025) clg Albrook GHFS, no joy. JAMBO 30: B-52 2nd BW Barksdale 1622 USB AFB, clg USS Tonkin(?), no joy, a weak vsi had been up clg 'any station this net' w/USN ID. Later hrd USS Defender. VOTOR 86: 1649 USB wkg Mcclellan GHFS w/pp 930 DSN, VOTOR CP, re was airborne 1550, ETA O'Hara of 1500L. KING 81: USAF fixed-wing aero rescue a/c 1650 USB wkg Offutt GHFS w/pp MINUTEMAN, passes ETA & adv tail number is 50981. HOBBY 35: 1658 USB wkg Albrook GHFS w/pp to meteo re wx Youngstown AS, Ohio & Wright-Patterson AFB, Ohio. JAWS 42: 1711 USB wkg Albrook GHFS w/pp 872 DSN. Executive 1 Foxtrot 1716 USB clg Mainsail, no joy. AGOLF(?) 95: 1719 USB wkg Offutt GHFS w/pp 242 DSN, Shepherd Field ANGB, WV, re shut 1 engine down & is diverting Patrick AFB. 167th AG C-130F? LIFTR 96: 1719 USB wkg MacDill GHFS w/pp Grand Forks scheduling re ETA to AR106L, tanker will be RAID 12. DARKSTAR MIKE: E-3 AWACS 1725 USB wkg Offutt w/pp 574 DSN, PYRAMID. HIKER 31: 1735 USB wkg Offutt w/pp RAYMOND 12 (Minot AFB) re wx. AAOU: USAV Manassas 1742 USB (LCU-1667), clg Albrook, no joy. (RB) MAILMAN 1845 USB checked in w/GHFS & asked for the current Nightwatch freqs. (RD2) 9DF: 1953 USB v/Hickam said he was told not to. MAGNUM 01 then announced it was an exercise. He is simulating a landing in some area where he will prepare some landing facilities for four C-130s. MAGNUM 01 wanted brush removal equipment. The exercise sounds like it is for a medical emergency in some remote area. They wanted 8,000 units of typhoid vaccine, IV tubing, and all sorts of related medical emergency equipment, much of it dealing with a filthy water supply. DART ?? 1955 USB has a hung BDUh33 & is returning to Dyess. SAM 681 2000 USB being called by Offutt. (TR) LOBO 532 1929 USB clg any station, Ascension responded, but 532 apparently could not hear Ascension. X1G 1814 USB clg 7DW & asking for 7DWs SITREP. 7DW adv 228 (bearing?), 6.4 (knots?), 27.15N, 095.40W. At 2306Z, 7DW reported: 6.8, 298, 27.26N, 96.15W. CURT(AIN?) RAISER (??) 1816 USB clg Offutt. Offutt adv, this is CURT(AIN?) RAISER, CURT(AIN?) RAISER, attempting to conduct HF comm drill in the clear, how copy, over? REACH 1191 gave them a radio check. CURT RAISER used 'interrogative' once, and sounded like he was reading from a script. RFR 232
(pronounced RAF AIR) calling MAINSAIL, & answered by Offutt GHFS. 232
req that Offutt relay to EGQK that RFR232 departed KNBG at 1600Z, ETA
KDOV at 1830Z. AIR FORCE RESCUE 864 2041 USB w/pp via MacDill GHFS to
DSN 854-7127. RESCUE 864 adv Rescue Ops at Patrick AFB that 864 had
just completed one aerial refueling and would have a 2320Z on-scene
time. Mission planning computer was indicating that they wouldn't
have much of a loiter time at the SAR area, so 864 wanted Ops to call
MCAS Cherry Point & see if they had an alert tanker that might be able
to relieve 864. At 2104Z, RESCUE 864 (sometimes started to ID as
KING...) made pp to Patrick Metro, wondering what time the moon would
rise on the morning of 14 FEB Zulu. Unid 219th 2055 USB MacDill Air
Force Base, this is the 219th req a radio check please, no joy.
MacDill GHFS 1945 USB clg & radio-checking PACIFIER 99 (Niner niner).
MacDill indicated he was just making sure 99er was still in the net.
O9Y 1840 USB clg MacDill, req pp to commercial 912/-----
(Commander, Submarine Group 10, Kings Bay Georgia). MacDill responds
that **DSN** 912/------- was busy, & did O9Y have an alternate #...
O9Y didn't catch that MacDill dialed the commercial # as a DSN call,
didn't suggest an alternate #, & adv they'd try again later. JAWS 52
1905 USB req pp to Eglin Metro at DSN 875 via Andrews Global. Andrews
adv that was a bad number. A few mins later, JAWS 52 req a pp to
Eglin Metro at DSN 872-4804 & got his wx for Eglin at 2030Z! AFRES
MC-130E? AXIS 62 1916 USB w/pp via Andrews to DSN 361. 62 adv AXE OPS
(aka AXIS OPS, the 42nd ACCS Squadron Ops office at Davis-Monthan AFB
AZ) that their ETA was 1645 local, & that the delay was due to a late
take-off because of maintenance & wx. MOTOWN 02 1930 USB req pp to
MOTOWN OPS on 800# via Andrews Global. Andrews adv that was a bad number. A few mins later, JAWS 52 req a pp to
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AZ) that their ETA was 1645 local, & that the delay was due to a late
take-off because of maintenance & wx. MOTOWN 02 1930 USB req pp to
MOTOWN OPS on 800# via Andrews GHFS (not heard). QSYed to 15016.
WISE 81 2108 USB w/pp to Hurlburt Metro for a 1600L ETA via MacDill
Global. (TT)
INDIA: USAF E-3 fm Tinker AFB 1749 USB wkg TRENTO...
//on 6739; 11244; & 9017. MACDILL 1704 USB with all freq request for ORANGEAID (common on the GHFS on the next to last Tuesdays of each month if they are going to conduct their 'exercise inject' activity.) 1713z, MACDILL clg NIGHTWATCH 01 w/all freq request. 1718z, EAM xmsn on GHFS; MACDILL clg NIGHTWATCH 01 at 1722z; 1725z; 1727z; and raises same at 1728z, adv that MACDILL has traffic (the injects) for him & to meet him 8992. 1728z, ORANGEAID calls & works MACDILL for 'traffic', adv to meet MACDILL on 9016 at 1830z. MACDILL 1820 USB w/all freq request for ORANGEAID. At 1830z, OFFUTT as lead station, w/rare 26-character "For..." EAM (FOR BALL QUE.) At 1848z, ORANGEAID up on freq, bcsting the FOR BALL QUE traffic. Then ORANGEAID would be up on freq at a 1-30 minute schedule with the FOR BALL QUE traffic for the next two hours (the remaining time window left in the 4 hour exercise activity). ANDREWS 1848 USB wkg NIGHTWATCH 01 w/"exercise inject" traffic. Again, as per past practice, at 1926z, NIGHTWATCH 01 calls MCCLELLAN; raises MCCLELLAN; and advises MCCLELLAN that NIGHTWATCH 01 'is standing by for traffic.' At 1930z ORANGEAID w/FOR BALL QUE traffic; 1931z a very weak ANDREWS with 'exercise injects', w/the strings slightly 'off' from earlier incrementing strings (again, as per past practices - it's as if there are two (or more) lists here). At 1944z, OFFUTT now up, clg NIGHTWATCH 01 (& cochannel, SPACEACE clg NIGHTWATCH 01), then into the 'exercise injects.' At 1951z, ORANGEAID up on freq with 38-character EAM (H3VX3L...). INGOT 21 2038 (phonetically spelled) wkg ALBROOK w/pp to common DSN 875 number that has been associated in the past with SPECTRE OPS, but recently id'd as SANDCASTLE OPS. Passed common codeword/minutestamp traffic (codewords today apparently maybe U.S.football team names). At 2042z, ANDREWS clg ORANGEAID, then into 'exercise injects. At 2054z, COBRA 06 wkg OFFUTT w/pp to RAYMOND 21 (after the OFFUTT opr got confused about the numeric attached to RAYMOND) At 2100z, the OFFUTT opr adv that she had to proceed with 'the exercise', & at 2101z she called MADELEINE, then into more 'exercise injects' in the blind. At the completion of her injects, SPACEACE pops up on freq (2103z), calls & works OFFUTT, verifies the first exercise inject that she had just passed (GYS 255). At 2119z, SPACEACE on freq w/pp's, & he finally phonetically spelled his call (it sometimes sounded like SPACEAGE). He apparently missed the MACDILL calls to him on 11175 w/in the blind exercise injects - the apparent final two for this 4 hour exercise. NIGHTWATCH 01 1617 USB clg something that sounded sorta like TANGO "on 11244 upper." At 1721z, MCCLELLAN wkg TROUT 99. At 1753z, "Any station this net. Any station this net." No response, so repeated. FISHHAWK popped up on freq and responded to the call; after a few seconds, MCCLELLAN was up on freq and "maybe" making a reference to the FISHHAWK call, but was immediately gone. SAM 204 1900 USB wkg MCCLELLAN; SAM 204 was told that they had already been preflighted, & in their database, for 616 upper, but to go to 917 upper. OFFUTT 1456 USB disregarding a 1454z EAM string for a FOXTROT bcst prefaced with INLIST; then completing the EAM. 1517z, another EAM. NIGHTWATCH 2013 USB net player (could not make out the call), female operator, with 20-character EAM, with no simulcast freq found. W/many of these 'player' EAM bcstrs, she had a very noisy background -this time lots of busy "chatter" from many folks.Typically, she also had very distinctive 'government' alpha and numeric pronunciations: fife; qwahbeck; an Oss-car that would do the MOSSAD lady proud; and tree (the GHFS oprs sometimes do the 'government' pronunciations, except for the "tree's" - for some reason they just won't do it (maybe because it often gets mangled and comes out "twee."). SAM 203 2023 UBS clg MAINSAIL 'with request'; and raising a very weak ANDREWS. RECOURSE 0655 USB wkg ALBROOK, getting NIGHTWATCH 01 wkg freqs. SNOOP 47 0621 USB wkg ALBROOK w/pp to a DSN 271 number (OFFUTT wkg); 4 hours out of port to OFFUTT; looking for wx between the "Texarkana radial and OFFUTT." (JH) IFO 82 1342 USB Sarajevo-Zagreb-Ramstein. (JP2) Andrews 2238 USB wkg pp for Reach 67951 to McGuire AMC Command Post, Alpha 2 due to a fuel leak in right wing. (KS) Andrews 2001 USB wkg PP for REACH 4 JULIET 7 to 39ths duty desk. Andrews 2011 USB wkg PP for NIGHTWATCH 02 to OFFUTT meteo (MF2) MacDill 1721 USB clg NIGHTWATCH -All frequency request. After several
tries, NW answers on 11244 at 1727. ORANGEADE 1728 USB wkg MacDill, MacDill adv OA that he will have traffic for his station in 60 mikes (min.). OA should then call MacDill on discrete 9016. NW01 1730 USB wkg MacDill re traffic. MacDill req QSY 8992. (MJ) Chocolate 1745 USB w/kg through McClellan to Nightwatch 01. McClellan 1748 USB w/EAM msg. (MK)


RAF’s Architect Volmet 2230 USB move from 11193. (GT)

IRONCROSS 1540 USB w/EAM. (MS2)

SAM 973 2152 USB wkg ANDREWS w/pp’s. (JH) Sam 681 1014 USB to Amman. (JP2) Spar 67 1330 USB Tuzla-Sarajevo-Aviano-Andrews. (BH)

JAILDOOR 1824 USB wkg NIGHTWATCH 01. (JH)

BANDSAW KILO and Ascension 2251 USB using freq. as a "discrete". BANDSAW KILO placed pp to RAYMOND 24 (Tinker AFB) on 11175, asked Ascension for a discrete freq., moved to 11634. This is an Andrews AFB MYSTIC STAR freq. (BWS)

NIGHTWATCH 01 (female opr)1825 USB wkg SPACEACE. At 1841z, NIGHTWATCH 02 active on freq. (JH)

SNOOP 55 1301 wkg Croughton (C-135) relay to .... control: eta in 3 hours (BH)

NIGHTWATCH 01 1826 USB wkg SPACEACE. SPACEACE 2105 sending data to NIGHTWATCH 01. (SPACEACE had been on 11244.0 wkg OFFUTT at 2103z). NIGHTWATCH net 0037 USB w/EAM traffic trailing the GHFS. 0040z, NIGHTWATCH 01 passing an EAM to unid station. At 0135z, unid station wkg GRISWALD with ANDVT comms. ANDREWS 0026 USB wkg SAM 681. (JH)

Cotam 0021: 1715 USB –23East, to Djibouti. (JP2)

MACDILL 1658 wkg OVERDRAFT (female opr) w/voice & data. (JH) MACDILL 1837 USB clg, & eventually wkg ORANGEAID, w/data xmsns at 1841z. (JH)

ANDREWS 1944 USB wkg SAM 050. ANDREWS 0026 USB wkg SAM 204. (JH)

NNNO0ZU 0046 USB w/pp patch via NNO0VNO. The latest MARS list shows this vsl to be USNS Powhatan, a fleet tug with civilian and Navy crew. (RA)

NNNO0CQ: USS Frank Cable 1759 USB (AS-40) wkg NNNO0JR, QSY 1439.5 for pp ttc. NNNO0ZN: USS Mount Vernon 1802 USB (LSD-39), clg ASSMS w/beam heading of S.W. for routine pp ttc. NNNO0CQ: USS Shreveport 2037 USB (LBP-12) wkg private shore sta NNNO0JR w/QSY to 14470.0 re pp ttc. NNNO0CB: USS Portland (LSD-37) 2206 USB clg ASSMS, NNNO0RA ans. QSY 14470 for pp ttc. NNNO0CUB: USS Arthur W. Radford 2207 USB (DD-968) MARS station, wkg NNNO0JR w/QSY 14477 for pp ttc. NNN0CUO: USS Spruance (DD-963) 2209 USB MARS station, clg NNN0LB & NNN0FLH no joy. NAVMARCORMARS clg. (RB)

Cotam 3123 1334 USB From Brindisi to Sarajevo. 14587 is probably "Reconfort".

NASA-1 2114 USB wkg MacDill (G-3, C-20) sounded like they sounded like they had just departed somewhere in Brazil did not catch destination. (DE) Andrews 1731 USB w/EAM, also MacDill ? @ 17:33 (EG) OFFUTT 1739 USB as lead station, with another 26-character “For...” EAM, this time for TASTER. At 1745z, a GHFS station with female opr (did not hear an id) w/single read-through of the FOR TASTER string, & gone (MCCLELLAN??). (JH) Reach 104 SE: 1705 USB From Lusaka to Ascension. What exercise ? Reach 1100 1120 USB in Tbilissi & having difficulties to get support from embassy. Was an important flight in relation w/"treaty", trying to contact OSIA in Germany to solve problem. Reach 16311: 1500 USB Lajes-Ramstein, air refueling. Rather unusual c/s. Reach 70016: 1810 USB Mission ABB 4N1, to Roosevelt Roads, carrying Hazardous cargo (JP2) Reach 40645 1800 USB w/pp through Albrook to Norfolk. (MK)

4XZ: Israeli Navy, Haifa 1131 CW "vvv de 4xz 4xz ar ar" marker (MC)

ASCOT 5428 0932 USB wkg Architect req wkg for ?. Change to 11247
WUN-v02

(very very weak on that freq.) (HH)
18019 COLT 901: 1939 USB wkg Ascension on "discrete" freq. Came from 11175. (BWS)
18192 REACH 18192 0834 USB Incirlik (C-141B) pp Hilda East: arr LCLK (Larnaca, Cyprus) 23rd 1615, dep 0830, eta LGAT (Athens). REACH 18192 1012 USB wkg Croughton, pp Hilda: arr LGAT 1015 (on the ground when calling), req. 1 hr early departure. (BH)
20995 Unid: 1030 USB Portuguese Navy? (ANEE)

=ALL OTHER SSB/AM/CW/& MISCELLANEOUS MYSTERIOUS STATIONS=

60 WWVB: Ft. Collings, CO 0229 CW. (RM)
235.3 Unid beacon USB starts something like "Coast Guard...Dublin...117..." covered by noise and QRM. Any ideas? (Not sure of words, could be almost anything, but repeats about every 30 secs). (MS2)
2366 Unid 1005 USB 2 stns talking to ea other in Dutch or Afrikaans. (MS2) (Ary sez this is a popular Dutch maritime 'chat' frequency -LOGS)
3000 Unid numbers 0314 AM female English. (MS2)
3050 Unid 0323 USB Japanese conversation, two stns on same channel. (MS2)
3068 BR81: 2230 CW "TU5J TU5J TU5J DE 8R8I 8R8I 8R8I QTC" then exchanged 5DG's encoded msgs. CW send by hand. (CK)
3077 Unid 0320 USB Japanese guy? in what sounded like ship-to-ship (simplex) conversation, then breaks out into song in EE having to do w/"Land of the Golden Sun" and then another stanza about arriving in Philippines, went on for about 3 minutes. (MS2) [suspect you found the Chinese guys who sing love songs to ea other in Cantonese, hrd for years -LOGS]
3261 Glenorchy Base (South Island Mountain Radio Service 0730 USB wkg ZKB14 ZKB17 ZKB17 ZKB19 ZKB18 ZKB101. Mountain Radio provides general comms for hunting/hiking parties etc operating in the mountainous areas of NZ (Southern Alps in the South Island, and the Urewera and Kaimanawa Ranges in the Central/Southern North Island. Mountain radio service provides regular daily skeds (around 0630 & 2030 local time). They provide wx reports, flood warnings, etc & pass any msgs to & from the field parties as required. Users include people such as professional hunters, tour party guides etc. (AB3)
3345 ZKVY: North Island Mountain Radio Service, Base 0740 USB wkg ZKVY11
3348 Unid: USB 0750 NZ Rural Comms
3363 Unid: 0215 USB unid French (ANEE)
3403 Unid: 0144 CW Very end of coded msg. (RM)
3426 Unid: 0713 USB w/Parkhill type voice scrambling. (RB)
4050 Unid: 2000 USB French (ANEE)
4146 Unid: 0810 USB German Simplex. (SM)
4445 Unid 0730 USB They are regular here at 0730 Z starting with radio checks & sometimes exercises in FF, usual callsign used is LIMA 21, 22, Key station is LIMA 21 and one day they revealed full c/s as FAL 21 etc. ID? (JS2)
4506.5 Unid: 0955 USB French Simplex. Air France? Mentioned "Un Chambre, deux Person". (SM)
4547 UNID 0749 USB wkg ?AT req. pp A112. Other callsign heard ZAO. in GG. (HH)
4585 WWJ74: FFWA, Cadillac, MI 1435 USB Kittyhawk 303, CAP, NC, w SHARES tcf. (JM)
4635 Unid: 0804 USB Italian Simplex. Very Very Clear. Heathrow mentioned ! (SM)
5090.1 Unid: 0301 CW station w/"647" sign on. Then into 5lg's (118). Off w/"589 589 113 113" +20 db. (PS)
5091 Unid: 1930 USB Mossad long messages. (ANEE)
5211 WGY912: FEMA, Berryville, VA 1434 USB wkg WGY927, FEMA, Region 7? w/comms about exercise. (JM)
5230 VLB2: 1745 AM Mossad #s station til 1800 (ANEE)
5301 OLX: MOI Prague, Czh 0504 USB YL in Czech w/numbers or phrases (voice reader). (RB)
5308.5 French Simplex 1406 USB Charlie xx callsigns. (SM)
5430 Goroka PNG telephone net 0935 USB conversation in Pidgin. (AW)
5437 Unid: 2030 USB Mossad #s til 2045. (ANEE)
5480 Moroccan Gendarmes 1915 USB stolen car reports? (ANEE)

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Unid: 2015 LSB Portuguese. (ANEE)
6980 Unid: 0815 USB Portuguese. (ANEE)
7000 Unid: 1930 USB Russian (ANEE)
7409 UNID: 1006 CW Slow CW in FF. Appears two letter callsings. Two stns on net both slurring c/signs. "TD de TV"? (DW)
7502.3 Unid: 1715 CW tuning poss Turkish navy? (ANEE)
7516 Unid: 1645 USB Portuguese (ANEE)
7552.1 WNFT437: Morristown, NJ or Washington, D.C. Bellcore station 1705 USB wkg W12KX800, Cincinnati, OH, att to pass a message and configure some equipment. WGY901: FEMA Maynard, MA 1710 USB wkg KAA60, FCC Grand Island, NE, w/same. (JM)
7656 UNID: 1427 CW Slow cw. Poor fist. "bk's" "vvv zht k" "r 11 14 28 k" "gru". Only one side of qso heard. (DW)
7677 Unid: 0915 USB Catalan druggies? (ANEE)
7707.8 Unid: 0915 USB Ethiopians? (ANEE)
7751 Unid: Arabic 0930 USB arabic phone Maghreb (ANEE)
7918 Unid: 0730 USB Mossad #s til 0745 they run the same tfc again in 12 hours. (ANEE)
7918 FYH: 1730 AM mossad (ANEE)
7947 Spanish tobacco farmers 0830 USB (ANEE)
8055.5 Unid Spanish ad-hoc 1511 USB lots of shouting and whistling. (MS2)
8081 Unid station possibly Fiji 0855 LSB pp tfc. (AW)
8131 Secure comm's (Parkhill) 02/01 0751 USB. Sounded Spanish. QTH unknown. (PS)
8160 Number Station 0340 AM Female voice, msg was in progress & continued until 0449 UTC - unusually long time. Sign off was 508 (callsign) 497 (group count) 00000. Indicative of the old KGB (FIS) and groups were repeated. Signal strength was 40dB over 9 indicating probably coming from Cuba (Old GRU site?) (RC1)
8173 Unid: 1730 USB Russian military or maritime? (ANEE)
8869 Unid: 0018 CW att QSO, QSY 8874 where it was app no joy. (RB)
Unid: 2137 USB w/Parkhill voice scrambling. (RB)
Unid: 0915 USB Spanish. (ANEE)
Unid: 1745 USB Arabic. (ANEE)
Unid Filipino stn 0850 USB long list of orders, invoices etc. (AW)
Unid: 1730 USB Mossad #s til 1745. Unid: 1715 AM mossad huge message poor spy! (ANEE)
Unid: 1700 USB tfc to Harrsbourg (PA?) airport on CSA from Logistic Center, OKC is OK City. (MS2)
Unid: 1015 USB Spanish. (ANEE)
Unid: 0815 USB French. (ANEE)
Unid: 0900 USB Catalian and Castilian (ANEE)
WGY916: FEMA Denton, TX 2041 USB clg NMF, USCG Boston, MA; WWJ48 FHWA Lakewood, CO; and KAD640 INS Swanton, VT w/SHARES tfc. (JM)
Unid Fiji Tonga or Solomons 0940 USB pp tfc. (AW)
Unid: 0915 LSB (ANEE)
Unid: 0930 USB asian lang. (ANEE)
Unid: 1915 USB GRU #s. (ANEE)
1407 CW Tfc in offline (5fg's) encryption at 27 wpm. End msg w/"ar". Begins second "89 = 13072 64616 48869 80611 24638" etc then after that msg ends "ar" and "382 382 382". (DW) (poss OLX, Prague hLOGS)
1600 CW Czech intel svc 543 5fgs til 1615 (ANE)
WGY 912 2001 USB clg a alphanumeric callsign (did not make it out.) (JH)
Unid: 1000 USB Russian, probably a phone patch (ANE)
Unid: 0900 USB Catalian (ANE)
Unid: 1838 USB 2 OM/1J comms between ARQ xmsns on 12166.7 kHz. (RM)
Unid: 1015 USB Russian? (ANE)
8BY: 1944 CW "vvv vvv vvv 8by 8by 8by 306/958/020/097/058/532/469/641/623" rptd. Xmsn ended 2000 w "AR" Returned 2040 w/same 3FG's. (RM)
Unid language 1550 USB one side of pp--weak. (MS2)
Unid 1635 USB 2 men in SS; simplex. (MS2)
M16: 1330 USB M16 #s station til 1345 (ANE)
Lincolnshire Poacher 1506 USB Clg 95736.//11545//15682.(MF)
Unid: 1200 USB enciphered speech (ANE)
EZ1: 1345 AM mossad #s station til 1600 (ANE)
Unid: 1215 USB Arabic phone. (ANE)
CIA number station 1215 USB till 1245. (ANE)
Unid: 1030 USB language-senegalese? refs to Dakar (ANE)
Unid: 1130 USB Russian (ANE)
Unid: 0915 USB Spanish (ANE)
M16: 1030 USB M16 numbers station 5fgs til 1215 (ANE)
Unid: 0915 USB Portuguese (ANE)
Unid: 1215 USB Greek phone patch (ANE)
Unid: 0930 USB Arabic till 0945 (ANE)
"8BY": 1555 CW V marker & "106/095/689/ 784". Good signal. (PS)
(versations reported this sta is in France -LOGS)
Unid: 1330 USB Italian. (ANE)
M16 #s 1130 USB tfc til 1300. [Lincolnshire Poacher - LOGS] (ANE)
Lincolnshire Poacher 1506 USB Clg 95736.//11545//13375.(MF)
CIA Numbers station 1200 USB till 1215 (ANE)
M16 Numbers 1330 USB M16 #s till 1345. Right on sked [aka Lincolnshire Poacher - LOGS] (ANE)
Unid Filipino stn 1015 USB pp to "Kilo Charlie" (AW)
Unid: KM 1445 CW Net control has the callsign KM & 2 stations joining the net are OME and EDS. Appears to be in South America but just caught the tail end of the net when outstations were requesting tfc "fills". Some philosophy tossed about. (RC2)
Unid: 1300 USB Czech intelligence svc #s station (ANE)
18303.9 OLX: 1245 CW Czech intel svc, msg "t11 261" til 1315 (ANEE)
18690 Unid: UTC? USB link between Montevideo, Uruguay - Spain military liaison? (ANEE)
19092.3 UNID. [SMC] 1122 CW Calls "BMSA de SMC qsa?". Then "BMA de SMC nil pse qsy qsy qsyalahtiaui alahtiaui as" (DW)
20195 Unid: 1030 USB Indian? (ANEE)
20345 Unid: 1615 USB Russian (ANEE)

Contributors: (please mail me if you wish added info from that listed)

(AB) Ary Boender, Spykenisse, The Netherlands
(AB2) Art Blair, Orangevale, CA, USA (by mail): NRD515, M-7000
(AB3) Andrew Brill, Auckland, New Zealand
(AH2) Arthur P. Heely, QTH?
(ANE) Anonymous, Eastern Europe
(ANI) Anonymous, In Italy
(AW) Alex Wellner, Sydney, Australia: Kenwood R5000
(BH) Bart Hoekstra, Leeuwarden, The Netherlands: Lowe HF-225
(BVR) Bert van Rij, Naaldwijk, The Netherlands
(BWS) Brian Wayne Scott, Denton, TX, USA: NRD535D, IC R7100
(CH) Carl Hender, Suffolk, UK: IC R72, JVFAAX, HAMCOMM
(CK) Costas Krallias, Athens, Greece: Yaesu 7700
(CM) Craig Mackinnon, Halifax, NS, Canada: Yaesu FRG-7
(CWDS) Charles W. Doolittle-Scovish: USA
(AD2) Daniel Ayers, Christchurch, New Zealand: Kenwood R5000
(DC) Dennis Campagna, SE Connecticut, USA
(DD) Dick Dillman, San Francisco, CA, USA: R390A, Alden 517
(DE) Don Edwards, Northview, NY, USA: Drake R8
(DF) Dan Fischer, East Central Wisconsin, USA: Drake R8, NRD525
(DG) David W. Gentile, Central UK: Kenwood R5000, Hoka Code3
(DW) Day Watson, Clevedon, UK
(DW2) David Wright, San Angelo, TX, USA: DX390, Grundig YB400, Univ.M-1000
(ED) Ed Deasy, Charrrlottville, Va, USA: Hoka Code 3
(EG) Edward Griffin, S.Francisco, CA, USA: Drake R8/ATS803/AOR8000/R7100/R1
(EW) Eddy Waters, Collinswood, Australia: NRD 525, R8, Hoka Code 3
(GG) Gary Glaze, Willamette Valley, Or, USA: DX440
(GT) Graham Tanner, London, England
(HH) Harry "Hero" Hofmann, Zwolle, Netherlands: Yaesu FGR100
(HW) Hans Wildschut, Zutphen, the Netherlands: Lowe HF225 with 12m wire
(HW2) Harold Woering, USA: TS440S
(JH) Jeff Haverlah, Houston, TX, USA: R5000/R7/FROG7/RFB65
(JJ) Jeff Jones, CA, USA
(JJ2) Jan Janssen, The Netherlands
(JM) Jim Pogue, Danville, Ky, USA
(JP) Jim Pogue, Memphis, Tn, USA: R-2000, Sony 2010
(JP2) Jacques Pagnoux, Western France: NRD535, AOR3000A
(JS) Joachim Stiller, Gilzum, Germany
(JS2) John Svendsen, Norway
(JSM) Steve McDonald, Port Coquitlam, BC, Canada: R71A, M6000
(KM2) Ken McLareh, Ottawa, CAN
(KS) Keith Stein, Woodbridge, VA, USA
(LB) Linda Brodsky, Valverde, NY, USA: Kenwood R2000, Universal M1000
(LVH) Larry Van Horn, Brasstown, NC, USA: Yaesu FGR100
(MC) Mike Chace, Bath, UK
(MS) Mark E. Schoonover, San Diego, CA, USA: Kenwood R1000, PK232MBX, JVFAAX
(MF) Mark Fine, Remington, VA, USA: Drake R8, AEA PK232MSX
(MF2) Mark Fink, S. Florida, USA: Sw8
(MJ) Mike Jacobs, Allentown, Pa, USA: R5000
(MK) Mark Kirker, NY, USA: Sanagean 803
(MS) Michel Schaay, Doorn, The Netherlands: IC R71E, Hoka Code 30
(MS2) Matt Stutterheim, New London, Ct, USA: (2)IC R71A's, R7A, R9000
(PP) Phil Potts, San Diego, CA, USA: Drake R-8
(PS) Paul Scalzo, Montreal, PQ, Canada: R2000, M7000 v.7
(PT) Peter Thompson, Crewe, Cheshire, UK: Lowe HF225/Universal M-7000
(PT2) Phil Tomaszewski, Loduc, AB, CAN: Yaesu FT990
(RA) Rick Albright, Merced, CA, USA: Sony 2010, Realistic DX-440

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(RB) Rick "RD" Baker, Austintown, Ohio, USA: Icom R71A, Icom R72, M-1000
(RC1) Ray Colbert, El Paso, TX, USA
(RC2) Ralph Cameron, Nepean, Ont, CAN
(RD) Rick Dickens, Chicago, IL, USA: Kenwood TS930SAT
(RD2) Robert K. Dixon, Davis, Ca, USA: Drake R8A
(RJL) Bob Lewallyn, The Woodlands, TX, USA (was BL)
(RM) Robert Margolis, Lake Forest, IL, USA
(RR) Rik Rasmussen, Raleigh, NC, USA: Icom R72
(RS) Rich Stedman, RI, USA
(SM) Stuart McMurtrie, Surrey, UK: Racal 1772
(SS) Stan Scalsky, Leonardtown, Md, USA: Icom R71A, M7000, Code 3
(TJ) Timothy C. Johns, Dallas, TX, USA
(TK) Takashi Kuroda, Tokyo, Japan: WJ HF-1000/Racal RA67906M R2174(P)URR, M7000/8000
(TO) Tony Orr, Reston, Va, USA: Lowe HF150, Datong FL-2
(TR) Tom Roach, San Jose, Ca, USA: Watkins-Johnson HF-1000, NRD525
(TT) Tim Tyler, Ypsilanti, Mi, USA: Kenwood R5000, Sony Sw55, TS50, AR8000, MVT7100
(WdM) Wim de Mol, Wezep, the Netherlands: Lowe HF-225
(WL2) Wayne Lake, San Francisco, Ca, USA
(WT) Wade Taylor, Glendora, Ca, USA

Abbreviations Used
//      Parallel with Frequency     pp      Phone Patch
5FG's   5 Figure Groups             PP      Polish language
5LG's   5 Letter Groups             R/T     Radiotelephone (ship/shore fone)
a/c     Aircraft                    rdo     radio
ARP     AIREP or Air Report         re      Reference/Regards
c/k     Check                       req     Request
cud     Could                       RR      Russian language
dep     Departed                    SAR     Search & Rescue
dx      duplex                      sta     Station
EE      English language            sx      simplex
enrt    En route                    tfc     Traffic
f       female                      TG's    Telegrams
FF      French language             tlx     telex
GG      German language             unid    Unidentified
hrd     Heard                       unk     Unknown
m       male                        vsl     Vessel
msg     Message                     w/      with
MIB     Maritime Info Broadcast     wkg     Working
nx      News                        wx      Weather
posn    Position

END
WUN-v02

If you have problems in this, or need further information contact Rick Baker at: utelistener@msn.com or ae411@yfn.ysu.edu

That's all it takes. There are no dues. A paper copy of the WUN Club newsletter can be obtained via our WUN publisher, Tim Braun, at WUN Publishing, P.O. Box 16533, Washington D.C. 22041-6533, USA, for the costs of printing & mailing at a rate of U.S.$1.50 per issue.

If you are reading this newsletter from another source, such as a BBS, please let us know!

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From your Electronic Editor:
* Welcome to another issue of the single largest source of utility station information and the most widely quoted utility station publication in the world...the WUN Newsletter.

WHAT'S INSIDE:
  o Membership News by Mike Wolfson
  o International Civil Aero by Tony Orr & Peter Ivakitsch
  o Ask WUN! by Colin Goodall
  o Digital Review by Ary Boender
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  o Utility Round-up by Ary Boender
  o Worldwide Bandscan by Tim Braun
  o The WUN Logs Column by R.D. Baker & TEAM LOGS

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MEMBERSHIP NEWS

Mike Wolfson, Membership Director
mewolfson@bright.net

Hello and welcome to the April edition of WUNNEWS and the WUN Membership News. Our group continues to add new members from different countries. The main WUN list had 604 members at the beginning of the month. WUN-DIGEST had 58 members. Tim Braun emailed me with the news that we have 35 members getting the mail edition. Finally, Jason Berri let me know that we have 195 members receiving the WUNNEWS list. We have at least 45 members on various non-email BBS systems reporting in.

I can also report that the country list has increased by 1 in the last month. We now have a member logging on from Mauritius. Welcome to the group. The complete country list is: Australia, Belgium, Brazil, Canada, Denmark, Finland, France, Germany, Great Britain, Greece, Iceland, Ireland, Israel, Italy, Japan, Luxembourg, Malaysia, Mauritius, Mexico, Netherlands, New Zealand, Norway, Peru, Poland, Portugal, South Africa, Spain, Sweden, Switzerland, Taiwan, Tunisia, United Kingdom and United States.

As always, I welcome information from members for inclusion in the club's database. The information will not be shared or used by anyone except club officers for club purposes. The database management program I'm using can accept ASCII text. I am requesting that you answer each question on a separate line followed by a carriage return. Please do not include the question itself in the answer, just the information requested.

Here is the survey:

E-Mail Address
Name
Where you're located (state/Province, Country)
Main receiver(s)
Main decoding equipment (HOKA, JVFAQ, etc)
Monitoring interests (aero, marine, etc)

Have a good month and good luck with your monitoring.

Mike

Pagina 297
Here we are with another edition of ICA and thanks go out to this month's contributors Wim de Mol, and Sir Thomson's Gazelle. We'll start off this month's column with Vic's SELCAL WATCH and move quickly into our special feature, GREEK DOMESTIC HF AERO. Then in AIRLINE NEWS, we'll bring you the latest in hot civil aero developments from around the world.

I must once again echo Vic Gubbins' sentiments about the level of contributions to SELCAL WATCH. I know that there are a lot of you out there who enjoy new registrations, and enjoy seeing new and updated selcal information, so please consider contributing your new info next month! Remember, what you may think is ho-hum stuff, is another DXers missing link. Let's all flood my mailbox for next month's SELCAL WATCH, shall we? So without further delay, we proudly present to you, ICA...

SELCAL WATCH—Vic Gubbins

Welcome to a very slim edition of Selcal Watch this month with only one contributor sending stuff in. This is hardly what you call inspiring, so please keep this section going by sending me news each month via the address above.

Tie-ups:
BG-CF Jet Air 212 DC8 LX-TLB
DQ-AR SIA 26 B747 9V-SMW
EQ-BL DAL 57 MD11 N810DE
FG-MS FDX A300F N665FE
FH-CE DLH 8207 B747 N509MC
FM-LR JEX 32 A320 N304ML

New Selcals:
none received!!!

GREEK DOMESTIC HF AERO—Tony Orr

With the recent Greek civil aero loggings appearing on the WUN list, I thought it would be of interest to present an overview of the domestic Greek HF aero network. Following this I have compiled a list of the most current frequency information available for the Greek HF stations.

Greece has many islands, many of them served by small aerodromes with limited facilities, suitable only for VFR flights, others with international airports and some by military air bases who accept civilian flights. Many major cities are also served by airports with regular flights from Athens. The ATC system is a mixture of very modern technology and obsolete systems which are gradually replaced. VOR, DME, VORTAC and TACAN systems mark most air routes and are supplemented by old style NDBs, however most communications are now on VHF (civil) and UHF (military). In addition Athens monitors the ICAO EUR channels on HF, but is not as active as Malta. This activity is most pronounced on 5061 KHz. This is because there is good VHF coverage of most of Athens FIR. In the past Athens Radio SWA was active with many RTTY links to neighboring ATC centers like Cairo and Malta, although in recent years these links have disappeared and have been replaced by standard international circuits (cable or satellite) provided by the Hellenic Telecommunications Organization (O.T.E.). Most major Greek airports are served by 2 dedicated communication links: a teletype link and a switchboard.
(magnetic) telephone (in addition to standard telephones and fax, but most not authorized for long distance calls to avoid abuse by personnel). Nearly all airports also have telex. There is also the HF/SSB network on 5637 kHz. This network has been used in the past to switch to 3015 kHz during nighttime and also use some other frequencies like 5912 and 5680 (SAR). At that time all radios were AM and 5637 was actually 5638 (carrier frequency). Of course most users now use USB, but selcals are still transmitted in AM on 5638. All comms, even at night, are on 5637 nowadays. The stations are also CW capable and many of the operators are good in CW, so someone calling in CW can expect a prompt answer.

The callsigns in the series SW...are still valid, although many smaller new airports have not been allocated a callsign (other than their names!). The network on 5637 is quite extensive and is used by all Greek airports to pass small bits of urgent information, like flight departures (those which have already filed a flight plan and submitted it over teletype or telex). Also it is used as a backup channel in case of wire line or equipment failure to submit flight plans, request or submit weather METAR reports etc. (Athens is covered on HF by Shannon VOLMET but other Greek airports with international tfc are not). At times foreign ATC centers can be heard contacting Athens for information, stations including Malta and Cairo, as well as rare appearances by Tirana. In addition, 5637 is also used in Romania for aero comms and is used as an information channel for military planes which file flight plans in Greek airspace, such as helicopters (CH-47D, UH-1, AB-206 etc) or C-130 transport aircraft. Many aircraft also use this frequency for A/G comms and often Olympic Airways long distance (North America etc) uses Athens while over the Atlantic to request weather METAR for Athens.

Special callsigns heard on these frequencies are:

"K.H.E." (pron. ki'eh): Civil Aviation Electronic Engineering, Athens
"SIERRA YANKEE": Skyros Is. (mil.) [LGSY]

The following are airport names, used instead of locations:

"Kazantzakis": Iraklion International Airport [LGIR]
"Makedonia": Thessaloniki (Mikra) Int'l [LGTS]
"Diagoras": Rodos Int'l [LGRP]
"Kapodistrias": Corfu/Kerkyra Int'l [KLGR]
"Philippou": Kozani [LGKZ]
"Megas Alexandros": Aleksandroupolis [LGAL]
"Dimokritos": Kavala [LGKV]

Here are a few of the SW... callsigns:

SWI     Ioannina        LGIO
SWM     Kalamata        LGKL
SWB     Thessaloniki    LGTS
SWT     Kastoria        LGKA
SWN     Kefalinia       LGKF
SWK     Kerkyra         LGKR
SWE     Souda           LGSA
SWF     Khios           LGHI
SWO     Kos             LGKO
SWL     Larisa          LGLR
SWX     Limnos          LGLM
SWW     Mikonos         LGMK
SWP     Preveza         LGBP
SWR     Rhodes          LGRP
SWA     Athens          LGAT

Here is a list of all known Greek Aero stations operating on 5637 kHz. Airport names when known are in parentheses. Any additions or corrections would be most welcome here at ICA:

Agrinion/Alexandroupolis (Dimokritos)/Andravida/Athina (Hellinikon)
(Athina (also operates on 3015 and 5638 AM)/Chania (Souda)/Ionnina/
Iraklion (Nikos Kazantzakis)/Kalamata/Karpados/Kasos/Kastoria (Aristotelis)/
Kavala (Megas Alexandros)/Kerkyra/Corfu (Ioannis Kapodistrias)/

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AIRLINE NEWS

AIR EUROPE resumes summer charters to YYZ effective April 3rd with up to four weekly flights from Milan, Venice, Lamezia Terme, and Pescara. B-767 are slated for use on these routes. AIR LIBERTE has started it's A-310 Paris-Mirabel-Toronto services. With the certain demise of Mirabel service will now doubt transfer through Dorval. BRITISH AIRWAYS plan to operate a series of Concorde flights to Canada this summer in conjunction with Nordic Tours. The first of these flights is scheduled for a May 17th arrival in Toronto.

Later the same day the Concorde is set to leave for Edmonton for an overnight stay. Concorde returns to YYZ on the 18th and returns to LHR on Sunday May 19th, listen for BA 099 and BA 098 flight numbers. CATHAY PACIFIC are enjoying great success with their Hong Kong-Toronto service, in fact service effective July 1st will increase to a daily schedule. Cathay continue to operate both A-340 and B-747-400 aircraft types on this route. For those in the Pacific regions listen out for CX 828 and CX 829. Finnair are once again gearing up for their summer charter flights to Canada. Flight numbers 122 (eastbound) and 121 (westbound) are set to begin May 29th between Toronto and Helsinki, keep an ear open on the NAT family of HF frequencies for their MD-11's on Wednesday's and Sunday's. Iberia have pulled the plug on their Madrid - Toronto service. Attempts were made with AIR CANADA on a codeshare agreement, sadly though this wasn't to happen. IBERIA will continue to operate Madrid-Montreal service.

MALEV Hungarian Airlines will soon begin their summer Budapest-Toronto charter program. Flights operate on June 5, 12, 27, 30, July 3, 7, 15, 24, 31, August 6, 12, 21, 28, and September 11, 18, and 25. Once again B-767 aircraft are slated for this service.

BRITISH AIRWAYS has again added a high season second flight to Washington, DC's Dulles International Airport (IAD) using 767-300ER's. Flight numbers are BA223/BA222. AIR CANADA will begin Montreal (Mirabel)-Brussels service effective 14 May. Effective June 6 United will add Chicago-Dusseldorf service. USAir has added Philadelphia-Rome service on 1 April, Pittsburgh-Frankfurt on 23 April, Philadelphia-Munich on 23 May, and Philadelphia-Madrid effective 15 June. USAir has also added Pittsburgh-Frankfurt flights as follows effective 24 April: US781 FRA-PIT dep 1125 arr 1435 and US782 PIT-FRA dep 1700 arr 0700+1 with 767-200ER equipment. Flights operate on a daily basis. EL AL ISRAEL has added weekly Tel Aviv-Los Angeles service to its schedules effective 30 March, weekly Miami-Tel Aviv service effective 23 June, Chicago-Tel Aviv effective 24 June, and San Francisco-Tel Aviv service effective 30 June, all with 747-400 equipment. SABENA has been using A340s temporarily on its Brussels-New York (JFK) services. Flight numbers are SN548 JFK-BRU departing 1915 arr 0815+1 and SN541 BRU-JFK dep 1140 arriving JFK at 1330. UNITED AIRLINE's current 777 schedules across the Atlantic are as follows: ORD-FRA UA 940/FRA-ORD UA941; ORD-CDG UA942/CDG-ORD UA943; EWR-LHR UA906/LHR-EWR UA907; IAD-FRA UA916/FRA-IAD UA917; IAD-LHR UA918/LHR-IAD UA919; IAD-CDG UA914/CDG-IAD UA915. Also note that UNITED is operating the 777 on it's UA982/UA983 from Miami to Sao Paulo. UA982 departs Sao Paulo daily at 2135 and arrives Miami 0445+1, and the return UA983 departs MIA at 2330 and arrives GRU 0835+1. NORTHWEST is using the 747-400 on its Detroit-Israel services for the time being. NW68 DTW-AMS departs Detroit 1730 and arrives Schiphol 0710+1, the return NW67 departs Amsterdam 1045 and arrives Detroit 1300. UZBEKISTAN Airways operates the following schedule across the Atlantic: HY207 AMS-JFK dep 1245 arr 1515 on Tuesday, and the return JFK-AMS dep 1745 arr 0745+1. On Fridays, HY205 AMS-JFK dep 1300 arr 1530 and the return JFK-AMS HY206 dep 1800 arr 0800+1, all flights operated by Airbus A310s. Finally, AIR JAMAICA may have begun service to London's Heathrow Airport by the time you read this. JM001 departs Montego Bay's Sangster International at 1500 arriving LHR 0620+1 on Tuesdays and Fridays, and on Saturdays departs 2205 arriving 1325+1. The return JM002 departs LHR 1135 and arrives MBJ 1535 on Wednesdays/Saturdays, and departs LHR 2110 arriving MBJ 0100+1 on Sundays, all with ex-Delta A310s.
CIS FREQUENCY INFORMATION

The following is a list of some of the stations heard on the Regional and Domestic Air Route Areas in the CIS and surrounding areas:

Aktyubinsk; 3440, 4669, 4728, 5586, 8951
Arask; 4669, 8951
Ashkhabad; 3467, 4669, 4728, 5658, 8951, 10018
Baku; 2926, 5487, 8918, 11333
Kiev; 4712, 11165
Krasnovodsk; 4728
Kyzl-Orda; 4669, 8951
Mineralnye-Vody; 2926, 4712, 5487
Moscow; 11390
Odessa; 4712
Penza; 3440, 4712, 5586
Rostov; 2926, 5487, 4712
Samarkand; 3467, 4728, 5658, 10018
Simferopol; 4712
Tashkent; 3467, 4669, 4758, 8951, 10018
Tbilisi; 4712
Uralsk; 3440, 4669, 4712, 5586, 8951
Yerevan; 2916, 4712, 5487, 8918, 11333

With that tidbit of information we bring yet another edition of ICA to a close. From all of us here to all of you out there, good DX and happy aero hunting!

ASK WUN
THE INFORMATION STATION FOR WUN MEMBERS
ASK YOUR QUESTIONS HERE
Colin Goodall, editor

This new section is here to deal with requests for help and information to and from WUN members. This column is for you to ask questions; to locate others with similar interests (even non-HF like SatCom or VHF aero); to locate or sell equipment; to ask about receiver problems, or to just ask about anything. If you have a question to ask then ask it via this new section.

Send your requests to: colin.goodall@sspdl.co.uk. Or by mail to C.F.Goodall, Stoneway, Hazleton, Gloucestershire, GL54 4EB, UK.

IF YOU WANT TO REPLY TO AN ADVERT NOTE THE SENDER'S ADDRESS AND REPLY DIRECT OR SEND THE ANSWER TO THIS COLUMN.

1. FOLLOW UP TO PREVIOUS NEWSLETTERS

from: John@metsys.demon.co.uk
Subject: INMARSAT RECEPTION

I have seen several questions and comments regarding this theme on this news group. This is such an easy operation in its basic form.

1> You need a dish, due to simple operation the dish is the main front end, hence the bigger the better. Six feet is so easy that no-one can complain...I recently sold a pile of 10 foot dishes brand new at 50 pounds each.
2> Get a KU band LNB of European use, these are new at less than 40 pounds.
3> Remove the top (microwave/mixer) board and make a direct connection to the input of the IF stage (950 - 1750 Mhz).
4> produce a 2.5 turn helical feed with a splash plate made from old PCB stock.
5> Feed the resultant signal into an ICOM 7000 and you will receive...
Inmarsat signals.

6> If you are capable of L band pre-amp design, you can reduce your dish size.
   I have received Inmarsat using this system for some eight years.
   Setting up takes about 30 seconds with a spectrum analyzer.


   Thanks John for your simple explanation (Ed).

From: Hooligan@aol.com
Subject: Parkhill vs ANDVT

Regarding the question about the Parkhill-family of voice encryption devices vs. ANDVTs, I can provide some basic answers. ANDVTs & their use on HF are perhaps another topic I might research further & do an article on sometime.
The Parkhill series devices were developed in the 1960s, and phased in over the 60s & 70s for securing HF, VHF, UHF, & UHF SATCOM voice circuits, using a time-domain system that secures traffic up to Top-Secret, but allowed for the basic cadence of the secured voice traffic to be recognized. Parkhill also isn't very good over noisy circuits with a lot of fading. One improvement allowed for diversity/non-diversity mode (easily distinguished by preamble length for us monitors), yet the U.S. government was eager to phase out the Parkhill family of voice transmission-security devices with a more robust system.

Enter the Advanced, Narrowband Digital Voice Terminal (ANDVT). ANDVT is actually a misnomer, because in addition to processing and securing analog voice, the system also is compatible with record-mode circuits.

Users consider ANDVT to be a tremendous improvement over Parkhill, particularly on HF. It also allowed for other TSEC (such as KY-58 'Vinson' family VHF/UHF crypto gear) systems to be removed, reducing weight and saving space on the aircraft and ships, as well as ground-mobile & fixed locations.

Cryptographic key management is streamlined with ANDVT, but there is one downside, the importance of which depends on some particulars involving voice-traffic.

ANDVT vocodes (digitizes) the analog voice to digital voice using a codec that works well on narrowband (i.e. HF/SSB) circuits, this product is then fed into a KY-99 encryption unit to secure the digital-voice, after which it is fed into the communications circuit (radio or telephone). The process is of course reversed on the receive-side of the link. But the deciphered audio is a mechanical voice...you do not have voice-recognition!

This isn't a problem when the message (traffic) is the only factor, but there are plenty of times when the messenger is just as important. For example, the Air Force One Communications Systems Operator can pass some sensitive frequencies to the CSO aboard NIGHTWATCH 01 via an HF ANDVT circuit without voice-recognition being a concern. But if the President aboard AFL wanted to speak with the Secretary of Defense aboard SAM 973, an ANDVT/KY-99 circuit would usually be a poor choice because voice-recognition becomes an important factor! Tim Tyler

Thanks for the information Tim!

2. HELP WANTED
   ***************
   from: John of London
   Subject: UNID Stations

Two more stations have been bothering me for many years so perhaps someone could help:-

1) Station using 850/50 encrypted RTTY for 23 hours 50 minutes every day and which sends the test tape (le brick with no ID) for the remaining 10
WUN-v02

minutes between 08:50 and 09:00 Zulu. The transmissions are in parallel on 2064, 8565, 15969.4

2) Station which relays GYA CARB (availability b'cast) on 19860 from 05:00 to 17:00 Zulu and on 9130 from 17:00 to 05:00 Zulu. (the times of change-over do vary quite widely). This station uses 850/75 and is NOT in the UK, signal strengths suggest the Middle East or possibly Cyprus. The signals are delayed by a quarter of a second with respect to the coast station bands which suggests that it receives its feed via satellite from the UK. This station is frequently reported as GYA from outside the UK being assumed to originate in the UK.

Well, anyone got the info on this? (Ed).

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from: Brooke Clarke (brooke@pacific.net)
subject: MSK modulated Coast Guard DGPS beacons (285-325 kHz)

I am working with the Global Positioning System (GPS) and would like to demodulate the Minimum Shift Keying (MSK) signals on the US Coast Guard stations in the 285-325 kHz range. These are Differential GPS correction signals that improve the accuracy of the GPS position fix by about 20 times.

I know the formats and how to apply them but am having trouble converting the audio MSK tone shift into usable digital data. I want to do this as optimally as possible since at my location the signals are extremely weak. i.e. I do not want to use an FSK type decoder. I have found a company that makes MSK chips but none of them goes SLOW enough. The beacons use 50, 100 or 200 BAUD MSK. Does anyone have any information on demodulating the MSK signals?

Thanks, Brooke -N6GCE

Anyone tried this before and can offer help? (Ed).

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From: Barry Stone <g6sre@kentnet.co.uk>
Subject: Computer noise

I wonder if anyone can come up with any ideas to help me cure my interference problems. I have tried every thing I can think of with only very limited success. So far I have: fitted toroids to all leads, made sure the computer case (metal) is well earthed moved the Ae (150ft longwire) as far away as possible, fitted a longwire balun. I even wrapped the whole computer in aluminum foil, the noise level is the same whether the radio is connected to the computer or not. I have only had problems since I changed my old 286 for a Pentium 75. Things are so bad I can only hear the very strongest stations on the HF150 and slightly more on the Racal which I think is down to the better filters in the RA17. I hope somebody can help. Thanks for listening, Barry G6SRE

HELP NEEDED HERE FOLKS, What can we do to help Barry? (Ed)

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And with that it brings us to the end of another program, let's have your replies/questions and hopefully someone will provide all the answers....... Till next time,

Colin.

===========================================================================
# DIGITAL REVIEW #
[ editor: Ary Boender    ary@bitbike.com    2:283/512.24 ]

Digital Round-up
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 o WUN's Sound Page is now in place. The first recordings of digital
stations are waiting for you. They are all in .WAV format. Let us
know what you think of the sound page please.

During the past year we covered the Guardia Civil and other southern
European stations. Here is an update:

- **Guardia Civil**: (Sitor-A, some Sitor-B occasionally)
  - 2216.5 Toledo,
  - 2228.5 Almeria,
  - 2240.5 Navarra,
  - 2246.5 Guipuzcoa,
  - 2490.5 Madrid,
  - 2749.5 Orense,
  - 2750.5 La Coruna,
  - 3588.5 Ochagavia,
  - 3219.5 Barcelona,
  - 4562.5 Barcelona,
  - 4563.5 Madrid,
  - 4570.5 unid loc,
  - 4595.5 Gijon,
  - 4752.5 Cadiz,
  - 5008.5 Andalucia,
  - 5010.9 Ciudad Real,
  - 5287.5 Valencia,
  - 5320.5 Guipuzcoa,
  - 5353.5 Barcelona,
  - 5380.5 La Rioja,
  - 5860.5 Vitoria,
  - 5869.2 Lugo,
  - 5869.5 Leon,
  - 5872.5 Andalucia,
  - 6933.5 La
  - 6991.5 Lerida,
  - 10174.5 Barcelona

- **Spanish army**: (Sitor-A, Baudot 50bd, some Sitor-A 100r)
  - 2236.5 MOD Madrid,
  - 4853.7 San Sebastian,
  - 5389.3 Loyola,
  - 5776.6 Murcia,
  - 5785.3 Andalucia,
  - 10435.2 Vitoria

- **Spanish air force**: (Sitor-A duplex)
  - 5851.7 Andalucia,
  - 5216.7 Andalucia

- **Portuguese State police**: (Sitor-A chatter, traffic in Sitor-B):
  - 3282.2 continent-nights,
  - 5049.2 continent-days,
  - 9981.5 Azores-days,
  - 9983.2 Azores-days

- **North Africans**: MINURSO (UN Morocco):
  - 5005.3 nights (Sitor-A),
  - 8186.3 evenings,
  - 8186.7 evenings,
  - 9120.75 and 9120.85 primary days.
  - Tunisian National Guard: 5796 ITA2-50, and 5731 FEC-A/90.

Rick Baker copied the following Globe Wireless announcement of new freqs:

```
WNU SITOR 401
CQ DE KFS/WNU/VCT/KEJ/SAB/ZLA
HELLO ALL STATIONS.
THIS IS THE GLOBE WIRELESS NETWORK - SELCAL 1094
NEW ZLA FREQ - ITU CH. 1602 - 16807.5/16684 KHZ
NEW KEJ FREQ - GW CH. '501' - 4300.4/4154.5 KHZ
BY SPECIAL ARRANGEMENT WITH GLOBE WIRELESS, FREE AMVER
IS AVAILABLE IN THE FAR EAST VIA VRX/9MG/A9M/9VG
KFS/WNU/VCT/KEJ/SAB/ZLA ITU CHANNELS:
401 402 403 416 418 501 602 603 625 626 627 802 803 819
830 837 838 1202 1203 1219 1257 1263 1291 1347 1602 1647
1657 1673 1676 1691 2203
FOR A FREE STATION BROCHURE, SEND SVC+
to ANY GLOBE WIRELESS STATION
CALL ANY GLOBE WIRELESS STATION TO RECEIVE YOUR TFC.
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- **Royal Navy**: c/s 'MTO' seems to be replaced by 'MGJ' now. 'MGJ' is
  the c/s of the Submarine base Faslane in Scotland, N.W. of Glasgow.
  Although the Rosyth site was MTO's original c/s, the actual messages
  were remotely keyed from London to the transmitter site in Rosyth.
  It is not clear whether the extended services of 'MGJ' all originate
  from the Faslane site. It is also possible that Rosyth still transmits
  the lot of the messages but simply uses 'MGJ' nowadays instead of 'MTO'

- **Day Watson** reports that British Telecom, who runs the UK coast
  stations, has dropped the following channels for telex:
  - Cullercoats
  - GCC1 1615
  - Wick
  - GKR2 1923.7
  - Landsend
  - GLD3 2696.7
  - Niton
  - GNI11 3517

Leif Dehio noticed that, after a long period of absence, Moscow is
back on 18490 kHz transmitting in CIS-11 with a shift of 500 Hz.
It seems that either the satellite is out of order, or they have
realized that shortwave is a lot cheaper.
Traffic consists of telegrams from Russia to Antarctica and synoptic

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weather reports, using 3rd shift cyrillic alphabet. 
Please note that although many publications list 18490 as being RUZU, 
it is in fact the link from Russia to Molodezhnaya.

Mohammad Sultan writes from Port Louis, Mauritius that he heard the 
French Navy at le Port, Reunion (FUX) on 8476 kHz. The station is on 
the air 24 hrs a day with 75bd RTTY. 
Good to see that we have folks from Mauritius on WUN as well. We're 
becoming more and more global :-

David Gentile copied another new Turkish military station. 
Freq: 6395, mode: RTTY, BD/SH: 75/850, Nato Desig: RTQQDBCY 
Location: Turkey, User: Strategic Turkish Army (Team/Task force level). 
<although the route indicator suggest that it is the army, it is in 
fact the navy in Ankara, Dave - Ary>

Unid military station

Bob Margolis copied an unid military station on 16172.2 kHz in Baudot 
75/150 and Sitor-B. I have no idea who this may be, Bob.

The transmissions in Sitor-B were interspaced with RY's in Baudot. The 
majority of the Sitor-B transmissions consisted of 4-digit groups who 
all started with '3333'. There was no digit '5' in the messages. Any 
ideas everyone ??? Here a few samples:

PGNY PGNY DE WNSN QTC 1 BT BT BT XXX XXX XXX XXX
VESPER 3 VESPER 3 THUNDER THUNDER

3333 8902 1747 0213 6487 9321 6487 1364 9807 2139 4807 2130 9846
2109 7498 0321 7409 8213 7409 8321 7498 0213 7490 8213 7409 2187
4098 2137 4902 3174 0982 1374 9087 2140 9827 3149 0821 3749 0827
1490 7349 8073 2180 4721 9047 1092 7498 0213 7498 0174 BT BT XXX

ARTM ARTM DE WNSX WNSX QTC 1 BT THUNDER THUNDER THUNDER

VOODOO VOODOO VOODOO XXX XXX XXX XXX XXX XXX XXX XXX XXX XXX
WNSX WNSX DE GFSB GFSB RGR RGR RGR VOODOO VOODOO VOODOO VOODOO

PGNY PGNY DE WNSN QTC 1 BT BT BT XXX XXX XXX XXX
VESPER 3 VESPER 3 THUNDER THUNDER

3333 8902 1747 0213 6487 9321 6487 1364 9807 2139 4807 2130 9846
2109 7498 0321 7409 8213 7409 8321 7498 0213 7490 8213 7409 2187
4098 2137 4902 3174 0982 1374 9087 2140 9827 3149 0821 3749 0827
1490 7349 8073 2180 4721 9047 1092 7498 0213 7498 0174 BT BT XXX

ARMS ARMS DE GFSB GFSB QTC 1 AS 1 K

RC2BAL ICRC Banja Luka RC2JAJ ICRC Jajce
RC2BDU ICRC Bosanska Dubica RC2KLI ICRC Kljuc
RC2BEL ICRC Belgrado RC2KNI ICRC Knin
RC2BIH ICRC BiHac RC2MAG ICRC Maglaj
RC2BI J ICRC Bijeljina RC2MB0 ICRC Zagre (Maribor ?)
RC2BRK ICRC Brcko RC2MOS ICRC Mostar
RC2DAL ICRC Dalj RC2OKU ICRC Okucani
RC2DOB ICRC Doboj RC2OSI ICRC Osijek
RC2DUT ICRC Dutovlje RC2PAL ICRC Pale
RC2GOR ICRC Gorazde RC2PET ICRC Petrinja
Diplo corner

The following item comes from the hand of Day Watson and covers the Pakistani diplo stations.

o Stations
There are two MFA locations in Pakistan, one in Islamabad and one in Karachi.

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<thead>
<tr>
<th>callsign</th>
<th>selcal</th>
<th>location</th>
<th>callsign</th>
<th>selcal</th>
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<td>ASP 32</td>
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<td>ONN 35</td>
<td>OBSU</td>
<td>Jeddah</td>
</tr>
<tr>
<td>ASE 63</td>
<td>MRZK</td>
<td>Paris</td>
<td>OXFF</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ASZ 57</td>
<td>PKIY</td>
<td>Rome</td>
<td>OYDK</td>
<td></td>
<td>Teheran (or AST61?)</td>
</tr>
<tr>
<td>QQPR</td>
<td>QYDK</td>
<td>Belgrade</td>
<td>QZKY</td>
<td></td>
<td>Algiers</td>
</tr>
<tr>
<td>TASC</td>
<td>TASC</td>
<td>Tripoli</td>
<td>WPSB</td>
<td></td>
<td>Baghdad</td>
</tr>
<tr>
<td>VPSB</td>
<td></td>
<td></td>
<td>OXSS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ASM 41</td>
<td>OXSS</td>
<td></td>
<td>ASK 16</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ASP 23</td>
<td></td>
<td>MFA Karachi</td>
<td>ASM 41</td>
<td></td>
<td>Moscow</td>
</tr>
<tr>
<td>B 18</td>
<td></td>
<td>Dhaka</td>
<td>ASS 6</td>
<td></td>
<td>Ankara</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Manama</td>
</tr>
</tbody>
</table>

Transmission modes used:
- TWINPLEX 100bd N F7B-1 -300/-100/+100/+300 [S5/200Hz]
- SITOR-A 100bd N 170
- SITOR-B 100bd SBRS
- ITA2 50bd
- USB

Logged frequencies:
14990.7  16386.7  18061.7  18071.7  19031.7  20011.7  20017.0  20976.7  22006.7  23021.7

Reported frequencies:
9107.0  10231.7  10891.7  12152.7  13274.0  13421.7  14386.5  14407.5  14466.7  14479.0  14481.7  14697.0  15645.7  18011.7  18021.7  18051.7  19001.0  20099.0  21006.7  21066.7  21306.7  21366.7  21530.0  21862.9  21864.0  21894.0  22008.7  22016.7  23011.5  23602.7  24006.7  26412.0

Notes on operation:
[SAT][SUN]
Language: English
Offline/online encryption

The original tone displacement (-200/-85/85/600) appeared to have been replaced by a later displacement (-300/-100/100/300). However recent loggings show the original arrangement on 16386.7/19031.7 kHz and the
later arrangement on 14990.7. So far no mixture of arrangements seen on any given frequency.

**Dictionary:**
- *dto*  
  - date of origin
- *Foreign Islamabad*  
  - MFA Islamabad
- *Foreign Karachi*  
  - MFA Karachi
- *faibd*  
  - MFA Islamabad (abbrev?)
- *PAREP*  
  - Pakistan Emb (Pakistan Representative)

**Sample message format:**

Example - Off line encrypted message

```
from parep rabat

to foreign islamabad

dto november 20, 1992 ( 1845 hrs)

most immediate

foxtrot alpha a+++alpha delta sierra
```

That's all for now. 'till next time -Ary-

The WUN Military Column
Jim Pogue, editor (kh2ar@aol.com)
P.O. Box 3888
Memphis, Tn 38173-0888, USA

May 18th in the United States is Armed Forces Day. In celebration of Armed Forces Day special cross-band communications are done with the amateur radio community, and SWL's. Fabrizio Magrone posted information he received over amateur packet:

**ADMINISTRATIVE MESSAGE**

**ROUTINE**

R 161625Z APR 96 ZYB PSN 166545M27
FM COMNAVCOMTELCOM WASHINGTON DC//N3/00//
TO ALCOM
UNCLAS //N02093//
ALCOM 025/96
MSGID/GENADMIN/COMNAVCOMTELCOM//
SUBJ/47TH ANNIVERSARY OF THE ANNUAL ARMED FORCES DAY COMMUNICATION /CELEBRATION//
REF/A/DOC/DOD/960117/-/NOTAL//
AMPN/DOD DIRECTIVE 4650.2 OF 17 JAN 86//
RMKS/

1. 47TH ANNUAL ARMED FORCES DAY COMMUNICATION CELEBRATION IS SCHEDULED FOR SATURDAY, 18 MAY 1996.
2. **ARMY, NAVY, MARINE CORPS AND AIR FORCE ARE CO-Sponsoring an Amateur Radio Program in Celebration of Armed Forces Day** Per Ref A, featuring traditional military-to-amateur cross-band communications test and message-receiving test. The tests give amateur radio operators and short wave listeners an opportunity to demonstrate their individual technical skills and to receive recognition from a service MARS Chief or appropriate military radio station for their proven expertise.

A. Proceedings will include operations in continuous wave (CW), single sideband voice (SSB) and digital modes (RTTY, packet, and AMTOR).
B. Participating military radio stations will award commemorative acknowledgement (QSL) cards to amateur radio operators achieving a verified two-way radio contact. Special commemorative certificates will be awarded to anyone who receives and accurately copies armed forces day CW and/or digital message from the SecDef. Chief, Army MARS provides SecDef Armed Forces Day message text to the three service MARS organizations.

3. **Military-to-Amateur Cross Band Test.** Military-to-amateur cross band operations will take place from 18/1300Z Universal Time (UTC) to 19/1300Z UTC May 1996. Military stations will transmit on selected military frequencies and listen for amateur radio stations in amateur bands indicated below. Frequencies assigned below are the "assigned frequency." To derive "window frequency" drop 1.5KHz from "assigned frequency" for upper side band (USB).

   \[
   \text{EX: 4005.0 KHz (assigned frequency) - 1.5 KHz 4003.5 KHz (window/dial frequency)}
   \]

   Military operator will announce the specific amateur band frequency being monitored. Duration of each contact should be limited to 3 minutes.

<table>
<thead>
<tr>
<th>STATION</th>
<th>MILITARY EMISSION</th>
<th>AMATEUR BAND FREQUENCY</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAE</td>
<td>4030.5 KHz LSB</td>
<td>80 METERS</td>
</tr>
<tr>
<td>ARMY HF/MARS RADIO STATION</td>
<td>7358.5 KHz RTTY/LSB</td>
<td>40 METERS</td>
</tr>
<tr>
<td>FORT SAM HOUSTON, TX 78234-5000</td>
<td>13994.5 KHz USB</td>
<td>20 METERS</td>
</tr>
<tr>
<td>POC: MR. LEONRITTER</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AAH</td>
<td>4021.5 KHz VARIOUS</td>
<td>75 METERS</td>
</tr>
<tr>
<td>ARMY HF/MARS RADIO STATION</td>
<td>6988.0 KHz (N) VARIOUS</td>
<td>40 METERS</td>
</tr>
<tr>
<td>FORT LEWIS, WA 98433-5000</td>
<td>7312.5 KHz (D) VARIOUS</td>
<td>40 METERS</td>
</tr>
<tr>
<td>POC: MR. CHUCK VERDON</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AAZ</td>
<td>4036.6 KHz LSB</td>
<td>80 METERS</td>
</tr>
<tr>
<td>HQ USAISC</td>
<td>6910.0 KHz CW</td>
<td>40 METERS</td>
</tr>
<tr>
<td>COMMAND HF/MARS RADIO</td>
<td>7422.5 KHz LSB</td>
<td>40 METERS</td>
</tr>
<tr>
<td>STATION ATTN: ASOP-HF FORT HUACHUCA, AZ 85613-5000</td>
<td>13965.0 KHz USB</td>
<td>20 METERS</td>
</tr>
<tr>
<td>POC: MR. BATEMAN</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIR</td>
<td>4025.0 KHz LSB</td>
<td>80 METERS</td>
</tr>
<tr>
<td>89TH COMMUNICATIONS GROUP</td>
<td>6896.0 KHz CW</td>
<td>40 METERS</td>
</tr>
<tr>
<td>ANDREWS AIR FORCE BASE</td>
<td>7315.0 KHz LSB</td>
<td>40 METERS</td>
</tr>
<tr>
<td>WASHINGTON, DC 20331</td>
<td>13986.5 KHz RTTY</td>
<td>20 METERS</td>
</tr>
<tr>
<td>POC: SSGT JOSEPH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WAR</td>
<td>4018.5 KHz LSB</td>
<td>80 METERS</td>
</tr>
<tr>
<td>ARMY HF/MARS RADIO STATION</td>
<td>6997.5 KHz CW</td>
<td>40 METERS</td>
</tr>
<tr>
<td>FORT DETRICK, MD 21702-5016</td>
<td>7361.5 KHz VARIOUS</td>
<td>40 METERS</td>
</tr>
<tr>
<td>POC: MR. VARGAS</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
4. CW transmitting. CW receiving test will be conducted at 25 words per minute. Broadcast will be special Armed Forces Day Secdef message to any amateur radio operator or short wave listener desiring to participate. 10-minute call for tuning purposes will begin at 18/0230Z UTC May 1996. Secdef message will be transmitted at 19/0240Z UTC May 1996 from following stations on listed frequencies:

<table>
<thead>
<tr>
<th>Transmitting Station</th>
<th>Frequency (KHz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAE</td>
<td>20941.5</td>
</tr>
<tr>
<td>ARMY HF/MARS RADIO STATION</td>
<td>FORT SAM HOUSTON, TX</td>
</tr>
<tr>
<td>STATION</td>
<td>FREQUENCY (KHZ)</td>
</tr>
<tr>
<td>------------------</td>
<td>--------------------------</td>
</tr>
<tr>
<td>AAE</td>
<td>7358.5</td>
</tr>
<tr>
<td>AEE</td>
<td>7358.5</td>
</tr>
<tr>
<td>AHH</td>
<td>6988.0, 14488.5</td>
</tr>
<tr>
<td>AAZ</td>
<td>6908.0, 21825.5</td>
</tr>
<tr>
<td>AAR</td>
<td>6901.5, 13992.5</td>
</tr>
<tr>
<td>ARM</td>
<td>6997.5, 13992.5</td>
</tr>
<tr>
<td>NAV</td>
<td>10259.5, 20625.0</td>
</tr>
<tr>
<td>NBL</td>
<td>14385.0, 20375.0</td>
</tr>
<tr>
<td>NMN</td>
<td>14468.5</td>
</tr>
<tr>
<td>MCL</td>
<td>14480.0</td>
</tr>
<tr>
<td>MPR</td>
<td>7382.5, 14465.0</td>
</tr>
<tr>
<td>MPN</td>
<td>7382.5, 14465.0</td>
</tr>
<tr>
<td>NAV-2</td>
<td>7372.5, 20680.0</td>
</tr>
<tr>
<td>MCO</td>
<td>7380.0, 19956.5</td>
</tr>
<tr>
<td>MPR</td>
<td>7346.0, 20988.5</td>
</tr>
</tbody>
</table>

5. DIGITAL MODES TRANSMITTING TESTS. DIGITAL MODES BROADCASTS WILL BE AT 0340Z (RTTY, 100WPM, NARROW SHIFT); 0440Z (PACKET); AND 0540Z (AMTOR). A 10-MINUTE CALL FOR TUNING PURPOSES WILL BEGIN AT 19/0330Z FOR RTTY, 19/0430Z FOR PACKET AND 19/0530Z FOR AMTOR. SECDEF MESSAGE WILL BE TRANSMITTED FROM THE FOLLOWING STATIONS ON THE LISTED FREQUENCIES: (NOTE: NOT ALL STATIONS MAY NECESSARILY OPERATE ALL LISTED FREQUENCIES, DEPENDING ON PROPAGATION AND EQUIPMENT.)

<table>
<thead>
<tr>
<th>TRANSMITTING STATION</th>
<th>FREQUENCY (KHZ)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAE</td>
<td>7358.5</td>
</tr>
<tr>
<td>AHH</td>
<td>6988.0, 14488.5</td>
</tr>
</tbody>
</table>
6. SUBMISSION OF TEST ENTRIES. TRANSCRIPTIONS OF THE CW AND/OR RTTY RECEIVING TEST SHOULD BE SUBMITTED "AS RECEIVED." NO ATTEMPT SHOULD BE MADE TO CORRECT POSSIBLE TRANSMISSION ERRORS. TIME, FREQUENCY AND CALL SIGN OF MILITARY STATION COPIED AS WELL AS NAME, CALL SIGN AND ADDRESS (INCLUDING ZIP CODE) OF INDIVIDUAL SUBMITTING ENTRY MUST BE INDICATED ON PAGE CONTAINING TEST MESSAGE. EACH YEAR A LARGE NUMBER OF ACCEPTABLE ENTRIES ARE RECEIVED WITH INSUFFICIENT INFORMATION, OR NECESSARY INFORMATION WAS ATTACHED TO TRANSCRIPTIONS AND WAS SEPARATED, THEREBY PRECLUDING ISSUANCE OF A CERTIFICATE. ENTRIES MUST BE POSTMARKED NO LATER THAN 31 MAY 1996; SUBMIT TO RESPECTIVE MILITARY COMMANDS AS FOLLOWS:

A. STATIONS COPYING AIR SEND ENTRIES TO:
   ARMED FORCES DAY CELEBRATION
   89CG SCOJM ALABAMA AVE STE 3
   ANDREWS AFB
   WASHINGTON DC 20331-6345

B. STATIONS COPYING NAV, NBL, NMN, MCL, MPN, ASC, MCP, AND MQU SEND ENTRIES TO:
   ARMED FORCES DAY CELEBRATION
7. OTHER AMATEUR ACTIVITY. IN ADDITION TO PROGRAM OUTLINED ABOVE AMATEUR RADIO STATIONS AT NAVY AND MARINE CORPS ACTIVITIES SHOULD ENGAGE IN CONTACTS WITH OTHER AMATEUR RADIO STATIONS ON ARMED FORCES DAY AND HANDLE BONAFIDE TRAFFIC, ALTHOUGH THEY SHOULD AVOID ARTIFICIAL GENERATION OF MESSAGES SUCH AS "GREETINGS ON ARMED FORCES DAY."

8. ACTION. ALL COMMANDS SHOULD DISTRIBUTE THE INFORMATION CONTAINED IN THIS NOTICE TO ALL QUALIFIED AMATEUR RADIO OPERATORS AND RADIO STATIONS WITHIN THEIR JURISDICTION. //

BT

These stations are usually pretty good verifiers for SWL's too.

In other news:
Arospatial is appointed by the French government as main-contractor for further development of the Multiple Launch Rocket System (MLRS). The new developments will make the MLRS fit to use a more diverse type of ammunition. The currently used M26 rockets have a range of 30 to 40 km and each rocket contains 644 M77 grenades which spread over an area of 2000 square meters. The new smart ammo will be more accurate and have a larger range.

The standard infantry rifle M16A2 is going to be replaced by a "Objective-Individual-Combat Weapon" (OICW).
Main-contractor for development of the new weapon is FNMI, an American sub-company of the Belgian Herstal-Corporation and AAI, a sub-company of United Industrial Corporation.
Details of the new OICW are not yet available but what known is that the weapon will have 2 barrels, one for conventional, kinetic ammunition and one for high-explosive fragmentation cartridges.

The French airforce has bought another 200 Eryx short range anti-tank missiles launchers including 3000 Aerospatiale missiles. This makes a total of 600 launchers and 7700 missiles. Also Canada (1600 extra missiles) and Norway use this system with an effective range of 600 meters. Canada and Norway have 400 Eryx-launchers each. Some other customers have shown interest, amongst them is Brazil. Last year the production of the Maribel-camera has started that will give the launcher day an night vision.

The RAH-66 Comanche, a light reconnaissance and attack helicopter that will replace the AH-1, OH-6 and OH-58 (3000 helicopters) has made its first flight. Because of the use of new technology the RAH-66 appeared 6 months later than previous planned.
The RAH-66 is the first Army-helicopter using a fly-by-wire-system and is equipped with a fantail and has to supplement the Apache-helicopter. The Comanche has a retractable landing-gear, 6 ordonnance points for missiles and a 3-barrel gatling gun. It will take at least until 1998 for the 2th prototype will appear.

By the scrapping of the last battle-cruisers, the Iowa-sisters the US NAVY will loose a lot of fire-power needed for landing operations. For the time being this is compensated by modifying the 125mm (5 Inch) MK-45 cannon. The standard range of 24 km will be extended, using guided ammunition, up to 116 km (1) maximum.
The first prototypes, build by United Defence, will begin testing in 1998. From the year 2000 all new DDG-51 class boats will be equipped with this
"new" gun. The standard MKh45 is also used by the NAVY's of: Australia, New-Zealand, Greece, Turkey and Thailand.

Vosper Thornycroft has developed a new landing craft for the British MOD the MKh5 landing craft, vehicle and personnel (LCVP). The craft can carry up to 2 tons of equipment and 35 soldiers. 2 Volvo diesel-engines drive the waterjets that give the LCVP the ability to manoeuvre in shallow water and give it a speed of 16 Kts. The craft is now being tested in extreme conditions. If the LCVP meets the requirements made by the British MOD, 4 more of this type will be ordered for the new "landing platform helicopter craft" the HMS Ocean.

Navy oceanographers now study oceans closer to shore

Courtesy of the Office of the Oceanographer of the Navy

WASHINGTON (NNS) -- In the fictional novel and movie "The Hunt for Red October," the search for the Soviet warhead-packed submarine requires information provided by Navy oceanographic ships.

For the last 50 years, Navy oceanographers have filled huge databases with information -- bottom bathymetry, deep ocean current patterns, biology tows, temperature and salinity profiles -- to find submarines in the world's vast deep oceans.

These days, the fresh salt air Navy oceanographers breathe is a little closer to shore because Navy oceanographic ships are changing course and turning toward land. Increasingly mindful that the likely focus of naval operations are now unpredictable adversaries operating in shallow waters near shorelines and not in the world's deep waters, Chief of Naval Operations ADM Mike Boorda signed a new policy directing Navy oceanographers to start looking more closely at the complex marine science of near-shore areas. This is the first such revision in naval oceanography policy in 10 years.

There is a renewed concentration on the complicated problems that make up the science of the littoral, or near-shore areas: tidal pulses, beach profiles, reefs, bars, shallows, shoals, channels, sediment transport, fine-scale hydrography, turbidity, land cover and terrain, dust, traffic, rain rates, river run-off, sub-bottom terrain and the complex weather patterns of coastal areas.

Navy oceanographers are shifting from thinking in scales of hundreds of miles and days, to scales of tens of meters and minutes. Navy oceanographers and meteorologists must now be able to collect data in limited access areas -- both remotely and on-the-fly. They must then be able to deliver information to the user in the field almost immediately. This occurred during the Gulf War, when oil spills, smoke from Iraqi fires and drifting mines in the water were a constant threat. Using oceanography supercomputers half a-world away to calculate local winds and currents, mines were quickly located and destroyed and oil slicks and smoke avoided.

"The era ushered in by the end of the Cold War requires a new focus," commented ADM Boorda in his recent testimony before Congress. "The high-tech systems we use in the Navy today require sophisticated and timely environmental information or they simply won't work. We need oceanographic information to support 'go' or 'no-go' decisions ... for the precise use of weapons, so that those weapons go where we want them to go, hit the target and do not cause collateral damage."

The CNO's new policy for naval oceanography also directs that a Navy oceanographic fleet of no less than eight ships will be maintained. "Eight is the bottom line," he stated definitively, "to do the work needed to be done.

Navy oceanography supercomputing capabilities will be maintained to process more than 2 million meteorological and oceanographic observations received each day. One or more natural laboratories will be established in ocean areas to test new ideas and technologies.

Boorda also told Congress that he would not succumb to the temptation to "salami slice" ocean research funding. He will re-establish Navy-funded research chairs at appropriate universities. He would make partnerships with industry and academics a priority.

"Not to talk about increasing them, but to increase them," he said. Non-Navy researchers are now getting unprecedented access to Navy databases and resources.

One example is the use of Navy's underwater surveillance system for tracking whales. More information on the movements of marine animals was...
gained in this one experiment than all the previous data collected in history. Another example is the convergence of military and civilian environmental satellites, allowing both to share the data in an efficient way.

USS Nimitz relieves the watch in East China Sea

by JOC Lance Johnson, Nimitz Public Affairs

ABOARD USS NIMITZ IN THE EAST CHINA SEA (NNS) -- Some 600 miles east of Taiwan, the men and women of USS Nimitz (CVN 68) have just begun their fifth week at sea without a port of call. This comes after two months in the Arabian Gulf for Operation Southern Watch, where pilots flew some 100 sorties a day, enforcing the 'no-fly' zone over Southern Iraq. For these Sailors and Marines, keeping the watch in an unstable region is business as usual.

"We keep launching, recovering and servicing jets, just like normal," said Aviation Electronics Technician Third Class Justin A. Rondach of Lompoc, Calif., assigned to Fighter Squadron 211. "The only difference is it was hotter during the day in the gulf."

In response to elevating tensions between China and Taiwan, the Nimitz battle group, with embarked Carrier Air Wing Nine and six other ships, received orders to sail from the Arabian Gulf one month early and report to the region, relieving the USS Independence (CV 62) battle group of the watch.

"I'm glad no military force or 'punch' was needed to decide the outcome," said Aviation Ordnanceman Third Class Thomas K. Farley. The Ypsilanti, Mich., native explained, "That's what the Navy is for...to help protect the interests of the U.S. and to help those in need."

Farley is one of more than 5,000 Sailors aboard Nimitz who left in late November for a six-month deployment. Since departing its homeport of Bremerton, Wash., the nuclear-powered aircraft carrier has steamed over 35,000 miles and performed more than 7,500 aircraft recoveries or traps. All but nine of the last 130 days have been spent at sea.

"Working seven days a week, 13-plus hours a day is quite frustrating, but I guess it's a small price to pay to ensure freedom and democracy around the world," said Aviation Structural Mechanic Airman Matthew A. Cummings of Roseville, Calif., a plane captain for VF-211. "It makes me proud to think we had something to do with ensuring China and Taiwan stayed peaceful."

Other vessels operating with the Nimitz Battle Group, commanded by RADM Lyle B. Bien of Veblen, S.D., include USS Port Royal (CG 73), USS Oldendorf (DD 972), USS Callaghan (DDG 994), USS Ford (FFG 54), USS Shasta (AE 33), USS Willamette (AO 180), and USS Portsmouth (SSN 707).

Upcoming Exercises

Joseph Cirone tells us that "28MAY96 through 05JUN96 is the time period for Annual Hurricane Exercise "HURREX '96", sponsored by the USN, but many agencies play."

"Expect some HF and VHF/UHF activity, but mostly depends on units that are playing and what they want to do at their level. In years past, Bayonne Global and the MTMC has played it as "the real thing" would be played - so we had lots of HF & VHF activity (Voice & Data) but this year we are too busy on other projects to play at all."

Larry Van Horn, MT Ute World editor, checked in from his MT office to send a heads up on "Exercise Purple Star '96".

"The U.S. Atlantic Command is conducting a major joint exercise with British forces on military installations in the southeastern United States and waters along the eastern seaboard from the 25th of April to May 20th. More than 53,000 military service members from the United States and the United Kingdom will participate in Combined Joint Task Force Exercise '96 or Exercise PURPLE STAR."

"One of the areas that WUN members might want to explore in-depth are the new OR assignments for the USN. Some of these new Nav frequencies have been noted with activity and some have not. Hint-Hint: Exercises are usually the best time for normally quiet frequencies to become active."

"While the majority of this exercise will probably be conducted on secure satcom circuits, there will still probably be some HF activity and the new aero OR freqs listed below is a good starting point."

"Here is a list of the new aeronautical OR Navy channels. Have fun and remember to report your results to WUN (may RD's mailbox fill to the brim)."
I should have more on this exercise later as I have a call in the PAO folks for some additional information. (All frequencies below are in kilohertz)

3035 3038 3047 3050 3080 3083 3086 3089 3092 3095 3098 3101 3104
3107 3125 3128 3131 3149 3152 4700 4703 4706 4709 4712 4715 4736
4739 5714 5717 5720 5723 5726 6688 6691 6694 6697 6700 6703 6706
6718 6721 6724 6745 6748 8971 8974 8995 8998 9001 9004 9007 9010
9028 9031 9034 9037 11184 11187 11190 11193 11205 11208 11211
11253 11256 11259 11262 11265 11268 11271 11274 11277 11280 11283
13239 13251 13254 13257 13260 13263 13266 13269 13282 13285 13288
15019 15022 15025 15028 15031 15034 15037 15040 15043 15046 15049
17970 17979 17982 17985 18012 18015 18018

Thanks for the heads up guys! This is probably related to the log posted by Don Stidwell and Rick Baker of the HMS Hecla (A-133), a Royal Navy Hydrographic Service ship, on 3394.0 USB just before press time.

All for this month, we'll see you all again here next month....

=============================================================================  
New Products, Books, News and Reviews
Rick "RD" Baker, editor
1352 Cavalcade Dr., Austintown, Ohio 44515-3844
utelistener@msn.com or ae411@ysu.edu

Items to be reviewed, information about new products, books, software, or events that would be of interest to the WUN membership, send them in care of this column (not via the clubs D.C. address to save mail costs)

A slight name change in the column this month to include "news" in the coverage. Besides, I like the ring of it, hi! "News" will be gatherings like Dx'peditions, conventions, or any news that really doesn't fit in with the other editors columns.


Last April we took a look at V2.3 of Jan's program and recently released this year is version 3.2 of WEFAX. WXFAX is a Weather Facsimile Database Program for radio-listening-amateurs, SWL's or weather fans. WXFAX contains information of all WEATHER Facsimile Stations around the world which are operational on Longwave and Shortwave.

Hardware Requirements:
Computer: IBM-compatible AT(tm) 286, 386, 486 or Pentium. I ran WEFAX in a DOS 386/20 IBM clone and a Pentium 90 under Windows95 without problems in either. the program comes on a 1.44MB (3.5") floppy and takes up about 655k when installed. It needs about 640k of memory and DOS 3.3 to 6.22 (or a DOS box in Win95) to run and a VGA monitor.

Installation
Simple...copy the files into a directory and run WEFAX. It can be run off the disk.

The Program
This version has a slightly different look to it with added information in several areas. The main menu has seven options:
# Display List - Displays the data by frequency, by station, by callsign, or by country.
# Print List - Several options here including a complete listing of all data, by location, by selected transmissions, or a weather map ID list.
# Dump Data to a File - Designed to make it easy for those with computer control to generate a 'scanning' list. Nice!
# Station Info - Shows the type of fax transmitted and their times of transmission with the station address at the bottom of the file. Confirms what you snagged and gives QSL hunters
WUN-v02

an address while your at it.

# Sample Weather Maps - The overall appearance of these samples are much improved. Samples of the commonly seen types of weather fax maps can be viewed.

# General FAX Info - 'About Fax Transmissions' gives you technical information helpful in understanding what's going on. 'Software' describes the various software which can be used to decode WEFAX transmissions. 'Symbols Used' shows the various symbols we see on the WEFAX and tells you what they mean. 'Updates' gives last minute station information.

There is now a 'Dial-up Wx-Fax Services' area with phone numbers worldwide for direct dial WEFAX locations.

# Fax Database Stats - Interesting information about WEFAX transmissions.

Those who have seen earlier versions of Jan's program will note some new additions and that several menus were combined. The overall speed of the program seems faster for the pop-up screens and sample maps. So while providing more information, the program is also 'spiffier'.

**Cost**

Registration fee is 25 Dutch guilders. When using EuroCheck or International Money Order, make sure that the Check or Money Order, is in Dutch currency. If you send cash then the following foreign currencies are allowed: English Pound, German Mark, French Franc, U.S. Dollar. 25 Dutch Guilders are about 10 English Pound; 23 German Mark; 81 French Franc; 15 U.S. Dollar; or 21 Canadian Dollars. These prices include airmail postage worldwide.

It's a still a slick little program stuffed with a lot of information that is very easy to use. For further information or orders write: Jan Nieuwenhuis, Vloedlyn 12, NL-1791 HH Den Burg (Texel), The Netherlands or via e-mail at jan@nioz.nl.

---

**Software Review: IDENT2 (V2.1) Freeware by Ary Boender/Flatline**

IDENT2 is a 'Freeware' NATO Route-Indicator Convertor and now in Version 2.1. IDENT2 needs 300kb of disk-space and 640kb of conventional memory. Although a DOS program, I ran it under Windows95 in a Pentium 90 just fine.

IDENT2 is an utility to determine the kind of military force that you are hearing. Simply start the program and enter the Route Indicator that you want to identify. IDENT2 will show you the type of station (strategic or tactical), the country of origin, the area where the action is, the organization that owns the link (Air Force, Army, Navy, Min. of Defense, Min. of Foreign Affairs, etc), the level of operation (HQ, brigade, unit, etc) and finally the actual users of the link.

Around 1000 known route indicators are included in the program and will appear when you type the indicator. There is also an external database available and a special editor to maintain that database. This allows you to update IDENT2 whenever you want.

So, you log "RFFVAY" in some digital mode and want to know who it is. Type it in and here is what you get:

```
TYPE OF FORCE : STRATEGIC
FORCES ORIGIN : FRANCE
OPERATING IN : BOSNIA HERZEGOVINA
LINK OWNER : AIRFORCE
OPERATION LEVEL : BRIGADE
LINK USER(S) : DETAIR FRANCE IFOR SARAJEVO MCA BATGEN EN BOSNIE HERZEGOVINE

RFFVAY IS A STRATEGIC FORCE FROM FRANCE OPERATING IN BOSNIA HERZEGOVINA
THIS LINK IS OWNED BY THE : AIRFORCE
LEVEL OF OPERATION IS : BRIGADE
THE LINK USER(S) IS : DETAIR FRANCE IFOR SARAJEVO MCA BATGEN EN BOSNIE HERZEGOVINE

Simple!
```

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And the best part is...it's free! That's right...freeware. Easy to use, simple and quick, you can't maintain your own paper list or database this easy. Available from fine BBS's everywhere. I will also be happy to forward a copy to you. By e-mail so long as you can handle a zipped/uuencoded or zipped attached file, and by mail by sending a IBM compatible 3-1/2 formatted disk and postage to my address above.

Interesting new www sites
From Andrew Toppan via the Ships list comes information of his recent updated U.S. Fleet lists. This is billed as "a complete, accurate (hopefully), up-to-date list of all vessels in active service with the US Navy, Coast Guard and NOAA". The information is available from the following URL: http://www.wpi.edu/~elmer/navy/current.html Or go to: (http://www.wpi.edu/~elmer/navy.html) and browse through the selections offered there.

The lists are broken down into the following categories:

- **Surface Combatants** -- includes all aircraft carriers, cruisers, destroyers, frigates.
- **Submarines** -- includes all submarines and manned submersibles of all types.
- **Amphibious Ships, Mine Craft and Coastal Combatants** -- includes amphibious assault ships, landing ships of various types, mine countermeasures ships of all types, and major coastal combatants.
- **Auxiliary Ships** -- includes all replenishment ships, tenders, tugs, salvage ships, surveillance, research and surveying ships, command/flag ships, and miscellaneous auxiliaries such as range instrumentation ships, cable ships, hospital ships, coastal tankers and sundy other vessels.
- **Sealift Ships** -- includes all sealift ships in active service or laid up in ROS-4, APF, MPS or RRF status. 172 vessels.
- **Carrier Wings** -- Lists each carrier wing and associated squadrons.
- **USCG** -- All Coast Guard vessels, from the biggest cutters to the smallest tenders.
- **NOAA** -- All National Oceanic and Atmospheric Administration vessels.

Similar but less comprehensive information is available for the Royal Navy and Canada. The listings for these countries include all warships and major auxiliaries, but omit most non-military vessels, such as research ships.

Each entry includes "vital information" such as the displacement, dimensions, propulsion and weapons of a vessel, in addition to its name, number, year of entry into service, fleet assignment, and notes about its future. Ships planned or under construction are also listed. A single image representative of the class is provided in many, but not all, cases.

The total database includes over 1000 vessels. Additional links are provided to official and unofficial sites providing similar information on navies around the world. Additional on-site documents within the "current" section include lists of all aircraft carriers in the world today (short and long formats), list of surviving "true" destroyers, list of surviving big-gun warships, and list of preserved naval vessels in the US. Many additional comprehensive warship lists are available from other parts of the site--several megs worth of text files, and over a dozen megs of images (well over 200 images in all). For further information contact Andrew Toppan at elmer@wpi.edu or elmer@confusion.net

I've been getting a lot of mail about the Hoka Code 3 Gold and I have no further information or a reply from Hoka in regards to an evaluation unit. Sorry about that.

That's it for this month. Next month we have an item for you digital fans and other interesting goodies and reviews for the discerning utility fan!
Utility Monitoring in the Maritime Bands
Editor: Jim Pogue (kh2ar@aol.com)
P.O. Box 3888
Memphis, TN 38173-0888 USA

Again with regrets, a shortened column this month due to work interfering with hobby!

From Alex Wellner: The Holland America Line will conduct 9 tours to Alaska, including 2 days inland. The first tour will depart from Sydney on the 19th of May, the cruiseship will be the 5 star NOORDAM. They will visit Ketchikan, Juneau, Sitka, Valdez, Hubbard Glacier, the College Fjord, and Harriman Fjord. Cruise ends in Stewart, where the passengers will continue inland to Anchorage and flight to Fairbanks.

Also the Holland America Line will conduct six voyages to Scandinavia and Russia aboard the luxurious MAASDAM. Departure from Australia is between the 17th of May and October. New cruise for the Maasdam is a nine day Mediterranean/Morocco, which includes an overland trip to Fez, Meknes and Rabat.

For our European members the Danube Cruises starting a seven day round trip from Passau to Russia, 13 days from Berlin to all the Danubian ports, or 10 days from Prague including a Munich stopover. Hope somebody will pick up some of these. Thanks Alex!

And from an anonymous contributor:
Greek customs ships may be heard on the following frequencies: 6420 USB (day) and 4035 USB (night). This service is separate from the Greek Coast Guard and is controlled by the Ministry of Treasury. They run a few fast boats to fight heroin and grass smugglers in the greek seas.

Great tip! If you have information you would like to share, send it along and we'll use it next time...Fair Winds...

---

THE QSL REPORT

Editor: Martin C. Barry <mbarry@absint.login.qc.ca>
6875 Fielding #02
Montreal (Quebec)
Canada H4V 1P3

STATION VERIF/CALL/FREQ/MODE/TYPQSL/NO.DAYS/REMARKS/CONTRIBUTOR

CIVIL SHIPS
M/S Columbus America/DIIU 8240.0 USB PFC 41 ds Letter (JP)
M/S Seaward/CGDM2 8198.0 USB PFC 22 ds post card (JP)
M/V Gypsum King/ZCAN2 2182.0 USB PFC 62 ds photo (JP)
M/S Leeward/3FKM5 4071.0 USB PFC 16 ds (HW)
Grampian Wood/GVAS 2182.0 USB PFC 23 ds info (AI)
Far Centurion/GDDP 2182.0 USB PFC 93 ds photo (AI)
Putford Snipe/GUHV 2182.0 USB PFC 76 ds (AI)
Viking Viper/MPML7 2182.0 USB PFC 68 ds (AI)
Toisa Puffin/C6KA8 2182.0 USB PFC 43 ds (AI)
Flaminia/IBQD 2182.0 USB PFC 28 ds info (AI)
 Aurelia/IBIE 2182.0 USB PFC 58 ds ham-card (AI)
Emerald Bas/J8FW4 2182.0 USB PFC 45 ds letter, photo (AI)

FIXED STATIONS
USMC Camp Pendleton/NNN0MPN 14441.5 USB PFC 113 ds pictures (RB)
Dimokritos Aero 5637.0 USB PFC 44 ds letter (AI)
NDB Antalya/AYT 302.0 A2A PFC 46 ds hrd in Turkey (AI)
NDB Antalya/YT 413.0 A2A PFC 46 ds hrd in Turkey (AI)
NDB Paphos/PHA 328.0 A2A PFC 89 ds hrd in Turkey (AI)

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### MILITARY/COAST GUARD SHIPS

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Size</th>
<th>Contact Notes</th>
</tr>
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<tr>
<td>NOAAS Townsend Cromwell/WTDF</td>
<td>8294.0</td>
<td>USB PFC</td>
<td>30 ds letter, info</td>
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<td>USS Platte A0-186/NJFY</td>
<td>7535.0</td>
<td>USB PFC</td>
<td>41 ds letter</td>
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<td>USAV Hobkirk LCU-2023/ADMU</td>
<td>8297.0</td>
<td>USB PFC</td>
<td>87 ds letter, photo</td>
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<td>HMCS St. John's FFH-340/CGAK</td>
<td>4560.0</td>
<td>USB PFC</td>
<td>59 ds letter, photo</td>
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<tr>
<td>USS Clark FFG-11/NJJC</td>
<td>5696.0</td>
<td>USB PFC</td>
<td>32 ds letter, brochure</td>
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<tr>
<td>USAV El Caney LCU-2017/ADMO</td>
<td>8297.0</td>
<td>USB PFC</td>
<td>148 ds letter</td>
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<tr>
<td>USSA Geraldton PTF-213/VLRK</td>
<td>8122.0</td>
<td>USB PFC</td>
<td>84 ds letter, cap tall</td>
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<td>USAV Kennesaw Mtn./AAEG</td>
<td>8297.0</td>
<td>USB PFC</td>
<td>34 ds letter</td>
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<td>FGS Brandenburg F215/DRAH</td>
<td>6779.0</td>
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<td>FGS Rhein A513/DRHL</td>
<td>6779.0</td>
<td>USB PFC</td>
<td>310 ds photo</td>
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<td>FGS Spessart A1442/DRKN</td>
<td>6779.0</td>
<td>USB PFC</td>
<td>298 ds</td>
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<tr>
<td>USCGC Sanibel WPB-1312/NCDK</td>
<td>8240.0</td>
<td>USB PFC</td>
<td>27 ds brochure</td>
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<td>FGS Koln F211/DRAU</td>
<td>6779.0</td>
<td>USB PFC</td>
<td>374 ds letter, info</td>
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<tr>
<td>USS Normandy CG-60/NNNOCO</td>
<td>14470.0</td>
<td>USB PFC</td>
<td>95 ds letter, fo's</td>
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<td>USS Arleigh BurkeDDG-51/NNNOCOA</td>
<td>14391.0</td>
<td>USB PFC</td>
<td>81 ds fo, info</td>
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<tr>
<td>USS Guam LPHh9/NNNOCRW</td>
<td>14470.0</td>
<td>USB PFC</td>
<td>42 ds viewcard</td>
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<td>Minden M-1085/DREK</td>
<td>3116.0</td>
<td>USB PFC</td>
<td>9 ds</td>
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<td>Kalkgrund Y-865/DRXQ</td>
<td>3116.0</td>
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<td>109 ds</td>
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<td>Auerbach M-1093/DRFR</td>
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<td>105 ds</td>
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<td>U-30 S-179/DRDX</td>
<td>6279.0</td>
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<td>Rottweil M1061/DRET</td>
<td>3116.0</td>
<td>USB PFC</td>
<td>105 ds</td>
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### CIVIL AIRCRAFT

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<th>Type</th>
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<th>Contact Notes</th>
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<tbody>
<tr>
<td>Aer Turas 728/EI-CGO</td>
<td>3476.0</td>
<td>USB PFC</td>
<td>33 ds DC8-63F, letter</td>
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<tr>
<td>Air Portugal 595/CS-TIE</td>
<td>6628.0</td>
<td>USB PFC</td>
<td>37 ds 737-300, letter</td>
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<tr>
<td>Cathay 749/VR-HUE</td>
<td>5834.0</td>
<td>USB PFC</td>
<td>29 ds 747-400, ltr, tt</td>
</tr>
<tr>
<td>Continental 294</td>
<td>5530.0</td>
<td>USB PFC</td>
<td>15 ds 727-200, chrts, ltr</td>
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<tr>
<td>Excalibur 302/G-BWKO</td>
<td>8960.0</td>
<td>USB PFC</td>
<td>17 ds A320, letter</td>
</tr>
<tr>
<td>Northwest 1717</td>
<td>6586.0</td>
<td>USB PFC</td>
<td>41 ds DC10-40</td>
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<tr>
<td>Race Air Cargo/9G-ADS</td>
<td>8894.0</td>
<td>USB PFC</td>
<td>25 ds B707-300C</td>
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<tr>
<td>Speedbird 184/G-AWNH</td>
<td>2872.0</td>
<td>USB PFC</td>
<td>67 ds 747-100, letter</td>
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<tr>
<td>Swissair 287/BH-IND</td>
<td>5658.0</td>
<td>USB PFC</td>
<td>24 ds MD11, pers letter</td>
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### MILITARY/GOVERNMENT AIRCRAFT

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<th>Size</th>
<th>Contact Notes</th>
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<tr>
<td>NOAA 45/N485R</td>
<td>5696.0</td>
<td>USB PFC</td>
<td>15 ds</td>
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<td>US Air Force 1/AF1</td>
<td>6731.0</td>
<td>USB PFC</td>
<td>87 ds</td>
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### MARITIME/NAVAL/COAST GUARD STATIONS

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<th>Name</th>
<th>Type</th>
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<tbody>
<tr>
<td>AT&amp;T Coast Station/KMI</td>
<td>13083.0</td>
<td>USB PFC</td>
<td>11 ds card/chart/bklts</td>
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<tr>
<td>Mobile Radio/WLO</td>
<td>4396.0</td>
<td>USB PFC</td>
<td>30 ds letter, booklet</td>
</tr>
<tr>
<td>Kinloss Rescue</td>
<td>5680.0</td>
<td>USB PFC</td>
<td>28 ds letter</td>
</tr>
<tr>
<td>Mont-Joli CCG R./VCF</td>
<td>2182.0</td>
<td>USB PFC</td>
<td>32 ds letter, info</td>
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<tr>
<td>USCG Group Long Beach/NMQ</td>
<td>5696.0</td>
<td>USB PFC</td>
<td>12 ds unit patch</td>
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<tr>
<td>CGAero/CG2601</td>
<td>5696.0</td>
<td>USB PFC</td>
<td>23 ds</td>
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<td>CGAero/CG2139</td>
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<td>25 ds</td>
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<td>CGAero/CG1720</td>
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<td>Orlandet R./LFO</td>
<td>2182.0</td>
<td>USB PFC</td>
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<td>Haiphong R./XVG</td>
<td>8470.0</td>
<td>CW PFC</td>
<td>25 ds letter, vc f/up</td>
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<td>GNY Rostock/DH026</td>
<td>7448.0</td>
<td>RTT PFC</td>
<td>86 ds</td>
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<td>AF Saten=64s/SKH</td>
<td>8992.0</td>
<td>USB PFC</td>
<td>109 ds letter, 3rd try!</td>
</tr>
<tr>
<td>MARS Smara, W. Sahara/AR-227</td>
<td>14402.0</td>
<td>USB QSL</td>
<td>298 ds</td>
</tr>
<tr>
<td>USCG Boston/NMF</td>
<td>5696.0</td>
<td>USB PFC</td>
<td>74 ds letter</td>
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*** THE LITTLE BLACK BOOK ***

With this month's column I am inaugurating a new title for what was known till last month as Tips & Tidbits. The content, which is QSL addresses and other assorted trivia and advice, will remain the same for the time being. If you have anything to contribute, including trivia or other advice for QSL'ing, please send it along.

Just a note, too, to anyone who's sending QSL's that the corresponding mailing addresses for those are also greatly appreciated. Whenever you send QSL's, try to remember to include their mailing address at the same time.

******

OLD DOGS, NEW TRICKS The traditional method of QSL'ing and submitting
reception reports to utility stations is surface or air mail. Something that you might want to try some time, though, is submitting a report to one of the growing number of utilities that have fax or even e-mail access. One such station (or in this case network) is Global Radio, which operates KLB Seattle Radio, the widely-heard WLO Mobile Radio, and the venerable WSC Tuckerton ("wireless") Radio. Global welcomes comments on their services (which presumably includes QSL requests), that can be submitted to the following phone numbers or addresses:

Fax:    (334) 660-9850
E-mail: mmrcusvc@aol.com
Telex:  782027 WLO UD
Voice:  (800) 343-1090

Your initial reception report can be submitted by regular snail-mail, and these numbers can then be used for follow-up, since they're much easier and direct. You might even experiment doing the whole thing by wire. If anyone knows of other utilities with similar arrangements, please share the information with us.

******

Andreas Ibold of Germany sends the following comment as per his MARS W. Sahara catch (see Naval Stations): "United States Military Affiliate Radio System (MARS) radio station AR-227 was operating a Yaesu FT-840 with an output power of 200 watts PEP into a multi-band folded dipole. Station operator was Major Tim Hardy of the United States Air Force, assigned to the United Nations Mission for the Referendum in Western Sahara (MINURSO). Station AR-227 was located at United Teamside Smara, 2 km west of the town of Smara in the north central part of Western Sahara!"

Aero monitor and QSL fan Tony Orr has this comment concerning a particular logging of his last month, Speedbird 069/GhBDXO 5658.0 USB PFC 7 ds 747-200: "I should have made it clear that the QSL was signed and delivered in person by the Captain himself, as we were able to meet up here in DC while he was operating a flight into BA!! Quite an experience to say the least. We had a beer and talked about various aviation-related subjects for over three hours." Sounds exciting, Tony. Hope you thought to get off some snapshots while you were at it.

WUN Military and Nautical editor Jim Pogue recently posted the following address for aero station FSS in Yellowknife, NWT Canada:

Chief Radio Operator
Transport Canada FSS
#5 Yellowknife Airport
Yellowknife, NWT
Canada
X1A 3T2

These are the complete and correct addresses for a couple of 'old reliable' high-seas stations based in the U.S.:

AT&T High Seas Radio Station KMI       Global Radio Network
18500 Sir Francis Drake Blvd.         KLB-WLO-WSC
P.O. Box 9                             7700 Rinka Avenue
Inverness, CA                         Mobile, Alabama
94937                                 36619-1199

ANOTHER HINT Among the many 'Hints to Successful QSL'ing' mentioned in last month's column, there was one which was left out: Patience. You can never know for sure when a station is taking its time acknowledging your reception report, or if it is simply ignoring it altogether. Jim Pogue has a QSL posted above (FGS Koln F211/DRAU) that took over a year to reach him, and at least one other that was nearly as long. Henning Sandte of Germany forwarded us one last month that he received after 410 days. I don't know where impatience stands ute monitors in the eyes of station operators whether the squeaky wheel eventually does get the grease, if you submit many reports over a short period of time. But you probably have to take into account that certain kinds of ute stations are notoriously slower than
others. There's no need here to go into which those are, but if you scan this and past columns, you ought to get some idea. Like anybody else, station operators are probably not very receptive to even moderate pressure being applied on them by listeners to QSL. The only advice I can offer in the case of slow verifiers is to check here first, then go about any follow-ups in a systematic and patient fashion.

If there's anybody out there who is using a specific method for following up slow or reluctant QSL'ers, please share it with us as I'm sure we could all use some help in this department.

#  #  #

IRC'S, MINT STAMPS, AND GOOD OL' 'GREEN'

One of the most important parts of the 'package' of different materials you send out to potential verifiers is return postage. Your 'package' normally includes a cover letter, PFC (printed form card), gummed label with your return address, return envelope, and maybe some kind of 'freebie' article you toss in as an incentive or attention grabber. Return postage, in one form or another, should also be included in all but exceptional cases. There are, no doubt, some ute stations that are in a position and that will in fact verify reception reports at their own expense, without you're having to send them postage (or stationary). But even if they are few, by sending along the postage, you are making the process easier for them, and subsequently for yourself. (Probably the best way for you to evaluate the truth of this is to send out a few reception reports without return postage and decide for yourself whether it's worth it.)

Of three possible methods of including return postage, mint stamps win the approval of ute SWL's hands down. Mint stamps are denominations of postage issued by different countries throughout the world, and which are subsequently sold by special dealers in or near your own area. (For the name and address of a mint stamp dealer, see the end of this article.) When choosing a method by which a station in a foreign land can reply to you, you just cannot go wrong with mint stamps. In comparison to the alternatives, they are virtually foolproof. If you have already affixed the stamp to the return envelope, the station operator or clerk then needs only pop in the completed PFC and drop it in the mail. If there is a more efficient method than this, I'm sure we'd all like to know it.

The next method, International Reply Coupons (IRC's), has been the subject of a fair amount of criticism lately from even seasoned utes probably deserved. IRC's are ticket-size certificates which are sold by the post-office and are redeemable in foreign countries for stamps sufficient to send back a standard airmail letter. Rick Albright of Merced, Cal., says he dislikes IRC's "because I feel the U.S. price (over .90 cents) is a ripoff. (They cost $3.50 in Canada). They claim to be equal to all airmail postage costs, yet most foreign stations demand at least two or three (Brazil is famous for that). Also, some out-of-the-way stations may find IRC's hard to convert or not worth the effort."

Rick Baker adds that IRC's "are used and understood by broadcasters. But to send one to a warship, merchant ship, businessman or airline pilot who has never seen one is pretty much a waste of time unless the fellow is going to use his own stamps. They must be redeemed at a post office for a stamp only (no cash). They cost U.S., .98 cents (the last I knew). Some mint stamps cost less than .98 cents, but in any case can readily be used 'on the spot.' You don't have to run to a post office to redeem them."

However, the nail in the coffin of IRC's comes from one who ought to know, a station operator who has dealt with them from that end and answers about a half-dozen QSL's every year. "IRC's are useless," says ship radio operator John A. Wrafter in a recent post to the WUN listserver. "The time and effort involved in locating a P.O. and redeeming one of these things is simply beyond me."

Which brings us to the last alternative for return postage, what Rick Albright refers to as "green stamps", American moolah, hard currency, $1 bills. "Postage costs are very high in some countries at this time," he says. "Airmail in Japan is just over $1 and in Germany $2 barely does it, but if you include a green stamp or two plus a mailing label, the station can opt to use its own envelope and surface mail rather than airmail. There are no
simple answers and no one method works for all situations. If weight is not
a factor, I go with dollars and a plain return envelope. I had over 500 ute
replies during a burst of activity between 1987-1992." Wrafter has this to
say about receiving money with reception reports: "On occasion a dollar bill
has been enclosed with the QSL request, very nice, thank you very much, but
I would have responded anyway." As Albright points out, though, "mail theft
by postal workers is a very real problem in Latin America and the new Russia,
and dollars, IRC's and stamps all have value to a thief. Plus, even if the
thief opens your letter and finds nothing, there's no guarantee he's going
to reseal it and send it on its way. Of course, the recipient can just as
easily keep the enclosure and junk your letter, too."

There are probably at least a few dealers in mint stamps scattered
in different locations. But the one whose name seems to come up most often
among utes is:

William J. Plum
12 Glenn Rd.
Flemington, NJ
08822 (USA)

Plum specializes in the needs of DX'ers. If you know of any other
dealers, either in the U.S. or elsewhere in the world, please send us the
information. Until the next time, 73, and Bon Courage!

#  #  #

Thanks to this month's contributors:
(RB) Rick Baker, USA
(JP) Jim Pogue, USA
(MB) Martin Barry, Canada
(HW) Harold Woering, USA
(TO) Tony Orr, USA
(AI) Andreas Ibold, Germany

===========================================================================
# UTILITY ROUNDUP #
[ editor: Ary Boender ary@bitbike.com 2:283/512.24 ]

o Wonderous sounds..... I love it !
In October 1990 Ulysses was launched from space shuttle Discovery. Spacecraft Ulysses' payload includes sensitive radio receivers who
are used for the Ulysses Unified Radio and Plasma wave (URAP) expe-
riment. Ulysses monitored radio emissions between 0 and 940 kHz.
These emissions originate from our Sun. The waves are sweeping thru
the spectrum approximately every 2 minutes and consist of plasma waves
(0 to 60 kHz) and solar radio bursts (1 to 940 kHz). I wonder if we
will ever be able to hear the sounds from the Sun. In the mean time
we can listen to the wonderous sound of the Northern Lights or Aurora.
It is not only a magnificent sight but also fascinating to hear.
Natural radio emissions such as these occur in the 0.1 to 11 kHz
radio spectrum and can be copied on a good, sensitive ELF/VLF receiver.
You must listen far from the city and power lines for a clean signal.
When you are interested in the sound of the Aurora, check Mc Greevy's
home page for a very nice collection of these sounds:
http://wwwhpw.physics.uiowa.edu/mcgreevy/

o Speaking of sounds... did you check our own home page for the new
sound page ? Folks who asked me how Hyper-fix, Loran-C or Decca
sound, check the sound page and you'll know ! There are currently
14 digital sounds available. Let us know what you think of this page.

o The Woodpecker is back !
Yep, the woodpecker will return shortly folks. The US Navy has placed
an order with Sanders to manufacture a prototype High Frequency Surface
Wave Radar (HFSWR). The system covers the HF spectrum (3-30 MHz). The
over-the-horizon-radar is said to provide long-range coverage against
small targets. Land-based testing is planned for February 1997 while shipborne trials will start in August 1997. Let's hope that they cause less interference than the notorious Kiev woodpecker in the 70's.

o ITT Avionics (c/s KA2XEA) is working on a HF radar system for aircraft tracking purposes. Freqs: the aeronautical bands between 15 and 25 MHz.

o The Georgia Institute of Technology (c/s KS2XCW) transmits video info on 2400 kHz under contract of the US Army.

o The Moroccan army has been heard in SSB, French and Arabic mixed, on 3754 LSB, 7777 USB, 10315 USB, 3625 USB, 3625 USB

DXing New Zealand, pt.1
=================================
In a 2 parts story we will take a look to the utility radio scene in New Zealand.

Some figures to start with:
# New Zealand's land area is 268,670 km² and includes the three main islands: North Island, South Island and Stewart Island plus the Antipodes Islands, Auckland Islands, Bounty Islands, Campbell Island, Chatham Islands, and Kermadec Islands.
# There are 93 counties, 9 districts, 3 town districts and 3 dependent areas, namely: Cook Islands, Niue and Tokelau.
# The Cook Islands are self-governing in free association with New Zealand. Cook Islands are fully responsible for their internal affairs and New Zealand retains responsibility for the external affairs, in consultation with the Cook Islands. The defense is the responsibility of New Zealand.
# Niue is a self-governing territory in free association with New Zealand. Niue fully responsible for its internal affairs and New Zealand retains responsibility for the external affairs. The defense is the responsibility of New Zealand.
# Tokelau is a territory of New Zealand.

The following interesting notes from Andrew Brill reached me thru Rick Baker. Thanks a million Andy!
In addition to Andy's frequencies I compiled a list from WUN loggings, the Frequency Manager and Spezial Frequenzliste. <Ary>

Andy sez:
"In NZ we still have quite a number of services using HF. Because of the nature of the country (long and skinny, very steep mountainous terrain and sparse population) it does not lend itself well to VHF. This is changing now and HF is slowly being eased out of the domestic scene here, assisted by the spread of the cellular network to rural areas.

The main users of HF today are those services which need to operate in bush and mountain areas - eg Rural roading contractors, cattle and logging trucks etc.

Public service organisations such as Dept of Conservation (Park Rangers) NZ Forest Service, Department of Lands and Survey etc also still use HF networks.

Emergency services (Police Fire Ambulance) have in the past used HF but the VHF/UHF coverage for these services is just about nationwide now and HF is rarely used.

The following is a list of a few of the more interesting NZ HF channels. I have not included commercial/business comms. They are located mainly in the 3200-3400 4800-4900 5200-5400 ranges on 3kHz channel spacing.

Unfortunately for DX they tend to operate during our daytime and are not usually active when the bands are open to the rest of the world!! If you do manage to hear them, callsigns are in the format ZKxx for bases and ZKxxxx for mobiles. eg Base - ZKAB mobiles ZKAB11 ZKAB24 etc. they frequently abbreviate to by dropping the ZK ie "AB base this is AB45" (or...
more commonly “y’ there Mick?”

Civil Defence: Channel: A 5386 (National Calling Channel)
B 2021
K 3360
N 5389 (Northern Zone Primary Daytime Chan)
O 3357
P 2027
Q 3351
S 5407 (Southern Zone Primary Daytime Chan)

Net Control Stations:
Northern (Auckland) ZKNT works outstations ZKNTnn
Weekly skeds 2000 UTC Tuesdays (0900 Wed local)
Southern (Christchurch) ZKST / ZKSTnn
National HQ (Wellington) ZKHQ - monitors Ch A

# Loggings
5383 ZKCT Wellington NZ 0800 USB Civil Defence Central Region HQ wkg outstations (Channel Foxtrot - Central area working frq)
5386 ZKHQ Wellington NZ 0800 USB National Civil Defence HQ wkg ZKNT ZKCT (Channel Alpha - national calling frq)
5389 ZKNT Auckland NZ 0800 USB Northern Region Civil Defence HQ wkg outstations NT22/NT32/NT33/NT37/NT41/NT52/NT54 (channel November - Northern region working channel)

Other Military stations
2045.00 ZMH 229 CG Kawhia
2045.00 ZMH 35 CG Tauranga
2045.00 ZMH 48 CG Whitianga
2045.00 ZMH 49 CG Taranaki
2045.00 ZMH 54 CG Whangamata R
2045.00 ZMH 83 CG Whakatane R
2045.00 ZMH 83 CG Whakatane R
2068.00 CG Mana
2084.00 CG Mana
2129.00 CG Auckland
2129.00 CG Manukau
2182.00 CG North Kaipara
2444.00 ZMH 229 CG Kawhia
2444.00 ZMH 49 CG Taranaki
2480.00 ZMH 49 CG Taranaki
4125.00 CG Mana
4125.00 ZMH 229 CG Kawhia
4125.00 ZMH 35 CG Tauranga
4125.00 ZMH 48 CG Whitianga
4125.00 ZMH 49 CG Taranaki
4250.00 ZLP 2 Navy Waiouru
4260.00 ZLP 2 Navy Waiouru
4263.20 ZLP 2 Navy Waiouru
4417.00 CG Mana
4417.00 ZMH 229 CG Kawhia
4417.00 ZMH 35 CG Tauranga
4417.00 ZMH 48 CG Whitianga
4417.00 ZMH 49 CG Taranaki
4417.00 ZMH 54 CG Whangamata R
4445.00 CG Mana
5442.00 ZXX AF Auckland
5687.00 ZXX AF Auckland
5707.00 ZXX AF Auckland
5726.00 US Navy Christchurch
6125.00 CG Mana
6215.00 ZMH 229 CG Kawhia
6224.00 CG Mana
6224.00 ZMH 229 CG Kawhia
6339.8 ZLP 3 Navy Waiouru
WUNhv02

6436.00 ZLP 3 Navy Waiouru
6436.80 ZLP 3 Navy Waiouru
6723.00 ZKX AF Auckland
8291.00 ZLLO Navy Waiouru
8291.00 ZMH 229 CG Kawhia
8294.00 ZMH 229 CG Kawhia
8297.00 ZLLO Navy Waiouru
8598.40 ZLO Navy Waiouru
8601.00 ZLLO Navy Waiouru
8601.30 ZLLO Navy Waiouru
8601.00 ZLO Navy Waiouru
8601.30 ZLLO Navy Waiouru
8636.00 ZKX AF Auckland
8638.00 ZKX AF Auckland
8692.00 ZKX AF Auckland
8975.00 ZLLO Navy Waiouru
8975.00 ZKX AF Auckland
8984.00 ZKX AF Auckland
8992.00 ZKX AF Auckland
8992.00 ZKX AF Auckland
8992.00 ZKX AF Auckland
8992.00 ZKX AF Auckland
8992.00 ZKX AF Auckland
8992.00 ZKX AF Auckland
8992.00 ZKX AF Auckland
8992.00 ZKX AF Auckland
8997.00 ZKX AF Auckland
8997.00 ZKX AF Auckland
9009.00 ZKX AF Auckland
9016.50 ZKX AF Auckland
9024.00 ZKX AF Auckland
9027.00 ZKX AF Auckland
11235.00 ZKX AF Auckland
11290.00 ZKX AF Auckland
13253.00 ZKX AF Auckland
12719.80 ZKX AF Auckland
12944.90 ZKX AF Auckland
13206.00 ZKX AF Auckland
13241.00 ZKX AF Auckland
13251.00 ZKX AF Auckland
15044.00 ZKX AF Auckland
15053.00 ZKX AF Auckland
16420.00 ZKX AF Auckland
16528.00 ZKX AF Auckland
17128.50 ZKX AF Auckland
17227.60 ZKX AF Auckland
18012.00 ZKX AF Auckland
22630.00 ZKX AF Auckland

Police:
Rarely used (the only gear I know of is on Great Barrier Island North of Auckland and in our mobile command vehicle). Assigned Callsigns ZLKSn. Freqs: 2828, 4469, 4928 kHz

Police Search and Rescue:
In NZ Police Co-ordinate all class 1 and 2 searches (Land and Sea) (There are usually 2 or three each weekend during the summer tramping season). Freqs: 3023, 5680 kHz
Callsigns - Police Station name; eg "Taupo Police"
Forward Base: locality name eg "Pirongia"
Search Teams: locality and team no. eg "Pirongia three"
Aircraft: Standard Aircraft c/sign eg Iroquois zero five etc.

Police Maritime: All HF marine channels - mainly 2182, 2129, 4125, 4417 kHz. Callsign (Auckland) "ZMIH Police Launch Deodar".

Metoro stations
5806.60 ZKLF Auckland Meteo
5807.00 ZKLF Auckland Meteo
5807.00 ZKLF Auckland Meteo
9458.60 ZKLF Auckland Meteo
9459.00 ZKLF Auckland Meteo
9950.00 ZKLF Auckland Meteo
13550.00 ZKLF Auckland Meteo
13550.00 ZKLF Auckland Meteo
13550.10 ZKLF Auckland Meteo

Pagina 325
Auckland Meteo

<table>
<thead>
<tr>
<th>Frequency</th>
<th>Callsign</th>
<th>Station</th>
</tr>
</thead>
<tbody>
<tr>
<td>16340.10</td>
<td>ZKLF</td>
<td>Auckland Meteo</td>
</tr>
<tr>
<td>16340.10</td>
<td>ZKLF</td>
<td>Auckland Meteo</td>
</tr>
</tbody>
</table>

**Aeronautical Stations**

- 2863.00 ZKLF Auckland VOLMET
- 4940.00 ZKS Rarotonga Air, Cook Islands
- 5592.00 Auckland Air
- 5592.00 Christchurch Air
- 5592.00 Invercargill Air
- 5643.00 Auckland Air
- 6637.00 Air New Zealand, Auckland
- 6679.00 Auckland VOLMET
- 7740.00 ZKS Rarotonga Air, Cook Islands
- 8828.00 Auckland VOLMET
- 8867.00 Auckland Air
- 10072.00 Air New Zealand, Auckland
- 11225.00 Christchurch Air
- 13261.00 Auckland Air
- 13282.00 Auckland VOLMET
- 13300.00 Auckland Air
- 13333.00 Air New Zealand, Auckland
- 14500.00 ZKS Rarotonga Air, Cook Islands
- 17904.00 Auckland Air
- 17940.00 Air New Zealand, Auckland
- 21970.00 Air New Zealand, Auckland

**Red Cross Disaster Relief Teams**:

- 2580 (Night Freq), 5278 (Day Freq)

**Net Control**: ZLCL Auckland works mobiles ZLCLnn during civil emergencies and exercises.

**Dept of Survey and Land Information**: 2387, 3336, 5893 kHz

**Mountain Radio Service**: Provides HF comms to Hikers/Hunters etc on foot in mountain areas.

**Various Utility Stations**

- 3246.00 ZLBC 4 NZPO Campbell Island
- 3246.00 ZME NZPO Raoul Island
- 4601.00 ZLBC 4 NZPO Campbell Island
- 4601.00 ZME NZPO Raoul Island
- 5225.00 ZLZ NZPO Wellington
- 5785.00 ZLQ Scott Base, Antarctica
- 7490.00 ZLQ Scott Base, Antarctica
- 7890.00 ZLBC 4 NZPO Campbell Island
- 7890.00 ZME NZPO Raoul Island
- 8998.00 ZLQ Scott Base, Antarctica
- 9435.00 ZLQ Scott Base, Antarctica
- 9950.00 ZLBC 4 NZPO Campbell Island
- 9950.00 ZME NZPO Raoul Island
- 10550.00 ZLQ Scott Base, Antarctica
- 10608.00 ZLQ Scott Base, Antarctica
- 10760.00 ZLQ Scott Base, Antarctica
- 11100.00 ZKS 28 Rarotonga, Cook Islands
- 11570.00 ZLQ 24 Scott Base, Antarctica
- 13251.00 ZLQ Scott Base, Antarctica
- 13390.00 ZLQ Scott Base, Antarctica
- 14580.00 ZLQ 27 Scott Base, Antarctica
- 14655.00 ZLQ 8 Scott Base, Antarctica
- 16065.00 ZLQ Scott Base, Antarctica
- 18360.00 ZKN 9 Alofi, Niue Island, Cook Islands
- 28230.00 ZL1MHF Mt. Climie Beacon

**Pagina 326**
Welcome to the second edition of WORLD BANDSCAN. This month we take a look at the 7600-7699 Khz range. I would like to take the time to thank the contributors that have sent in their loggings, specifically Rick Baker, Guy Denham, Day Watson and Alex Wellner. This is in addition to the many sources of material consulted for this column, and most importantly for the information published in the last year's worth of The Worldwide Ute News. It is only with your help that this list be as accurate as possible.

This will be a bi-monthly column, so get in your loggings now for the next segment that we take a microscope to: 7700-7799 Khz. Please remember that I try to be as accurate as possible with this listing, but obsolete stations obviously will creep in from time to time. Let me know when you see one.

On with the show:

<table>
<thead>
<tr>
<th>FREQUENCY</th>
<th>MODE</th>
<th>CALL</th>
<th>STATION/AGENCY</th>
<th>INFORMATION</th>
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<td>SSB</td>
<td>UNID</td>
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<td></td>
<td></td>
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<td>repeat 'Oscar' subj.</td>
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<td>Jan96</td>
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<td>CW</td>
<td>RMR2</td>
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<td>KAA60</td>
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<td>FRANCE</td>
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<td>ARQ</td>
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<td>RTTY</td>
<td>FDX</td>
<td>PARIS,FRANCE</td>
<td>MOD ARQ-E3</td>
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<td>RTTY</td>
<td>SAM38</td>
<td>SWEDISH EMBASSY</td>
<td>Stockholm</td>
<td>ARQ-SWE</td>
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<td>SAM</td>
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<td>MFA Stockholm</td>
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<td>MENA news</td>
<td>- 500/50</td>
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<td>3XA</td>
<td>CONAKRY AERO</td>
<td>Guinea - 425/50</td>
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</tbody>
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WUNHV02

That's all I have time for this month. CU! -Ary-
7620.0  RTTY  GYA  LONDON NAVAL R.  England 540/75
RTTY  OMZ  PRAGUE, CZECH R.  MFA - 425/75
RTTY  UNID  200/100 ACF7...occ bursts Feb96
7621.0  SSB  CANADIAN FORCES  850/75 - USAF AWS
RTTY  IBH  VICENZE, ITALY  USB-LSB-ifax 96/576-RTTY
7621.3  RTTY  AJE  US AIR FORCE  Croughton - 75bd
7622.0  SSB  UNITED NATIONS  UNPROFOR Poland - Milslunj
RTTY  SNN299  WARSAW, POLAND  MFA ARQ/PO/L/100/E/250  Feb96
RTTY  UNID  BEE36/50 idling on 36bd Jan96
7622.5  ISB  ROY. AUSTRALIAN NAVY  Belconnen Naval
7623.0  RTTY  OMZ1  CZECH EMBASSY  Bonn - 100bd
RTTY  OLZ88  CZECH REPUBLIC  MFA Praha - 75bd
7625.0  SSB  AUSTRALIA  Many commercial ops
FAX  AJE  US AIR FORCE  Croughton - 120rpm Jun95
FAX  IBH  VICENZE, ITALY  USAF Aws - 120/576
RTTY  HZN47  JEDDAH METEO  S. Arabia 400/850/100 Jan96
7626.0  SSB  US COAST GUARD  Ch.3E10...tactical Nov93
RTTY  TZH  BAKAMO AERO, MALI  ASECNA 425/50 Jan96
RTTY  DER  BONN, GERMANY  ARQ-E
7627.0  CW  KWS78  ATHENS, GREECE  US Embassy Nov94
7628.0  RTTY  UNID  7 second bursts Jan96
RTTY  UNID  Scrambled comms
7629.0  SSB  US COAST GUARD  Dist.9 Emergency net
7630.0  SSB  A01  UNID  Wkg A02 in Tennessee
FAX  RNR78  ROSTOV METEO, RUSSIA  60/90 RPM
RTTY  CANADA  Ministry of Transport
7631.0  SSB  AUSTRALIA  School of the Air - Charters Towers
7631.7  RTTY  CAIRO, EGYPT  MFA - SITOR/A/100/E/170 Jan96
7632.0  SSB  US AIR FORCE  MARS
SSB  US AIR FORCE  Norton AFB - 1722 CCS Net
SSB  US AIR FORCE  Air Combat Command
CW  RIT  MOSCOW NAVAL, RUSSIA
7633.5  SSB  UNID  STEALTH wkg TRADITION adv that they are off freq on Naval Gunfire Support freq.
RTTY  US AIR FORCE  MARS - 170/75 & USB
7634.0  RTTY  P6Z  PARIS, FRANCE  MFA - FEC-A-192
7635.0  SSB  US AIR FORCE  Civil Air Patrol Jan96
SSB  US FED.GOV'T  SHARES Net Jan96
SSB  UNID  Tactical trc re helos
SSB  UNID  SHARK19 wkg BARRACUDA04 w/ pos/speed/contact info.
7636.0  FAX  BEIJING, CHINA  XINHUA - 120 RPM
7637.0  SSB  AUSTRALIA  Dept. of Education - Rockhampton
7638.5  CW  FDC  FRENCH AIR FORCE  Metz-Frascaty
7639.2  RTTY  UNID  SITOR/B/100/1/170 - 50bd Jan96
7640.0  SSB  UNID  Scrambled traffic Jan91
FAX  RST76  MINSK METEO, BELARUS  60/90 RPM Mar95
CW  UNID  Ch.marker 'v' Apr95
7640.9  CW  UNID  #'s stn w/ID '459' Apr95
7642.0  RTTY  FDY  FRENCH AIR FORCE  Orleans - 425/50
7642.5  RTTY  US AIR FORCE  MARS - ARQ HF Mailbox Feb95
7642.7  RTTY  RFFP  PARIS, FRANCE  Air Force - ARQ-M2-200 Jun95
7643.0  SSB  US COAST GUARD  School of the Air - Longreach
SSB  AUSTRALIA
7643.3  RTTY  RFLIG  CAYENNE, F. GUIANA  French Forces - ARQ-E3 Jan96
7643.5  SSB  UNID  Chinese phone net Jan96
7643.7  RTTY  REVI  LE PORT, REUNION  French Navy - ARQ-E3-100
RTTY  RFFQP  JIBOUTI, DJIBOUTI  French Navy - ARQ-E3 Mar94
7644.2  RTTY  RFFVA  PARIS, FRANCE  French Air Force-ARQ-M2 Feb96
7645.0  SSB  US NAVY  Disaster Net
SSB  US MARINE CORPS  Tactical Jun92
RTTY  MKK  LONDON, ENGLAND  VFT: DCN
WUN-v02

7646.0 SSB THURS IS, AUSTRALIA Dept. of Admin Svcs
SSB AUSTRALIA Many commercial operators Jan96
RTTY DDH7 QUICKBORN, GERMANY DWD - 50bd Jan96

7646.5 SSB UNID CHECKPOINT 2/3/4/5/6/7 Nov90
wkg GROUP28...convoy ops Dec95

7647.0 SSB UNID Scrambled traffic Dec95

7649.0 SSB AUSTRALIA Many commercial operators

7650.0 SSB US COAST GUARD
SSB BITUNG, INDONESIA Telcom
SSB FLORIDA, USA Dept. of Law Enforcement
SSB UNID Talk of parts/maint. status Nov95

7652.0 SSB UNID Many commercial operators Nov95

7653.0 SSB BENGHAZI, LIBYA Aero Operations

7653.5 RTTY HBD20 BERNE, SWITZERLAND 'FOXTROT TANGO' Net Aug94

7653.7 RTTY HBD63 LONDON, ENGLAND Swiss Embassy - SITOR

7654.0 RTTY HBD64 BONN, GERMANY Swiss Embassy - SITOR

7655.0 SSB UNID THUNDER1 wkg unid giving report on thunderstorm conditions over central/eastern Colorado Min.of Interior-ARQ-E3

7656.0 RTTY FIT35 RENNES, FRANCE 'VVV ZTH K''R 11 11 4 28 KFeb96

7657.0 SSB US AIR FORCE Lajes AFB discrete Ch.F Oct95
RTTY/SSB US CUSTOMS/DEA
SSB AUSTRALIA POLICE WA/NT/SA/NW/QLD
SSB RAAF Search & Rescue
RTTY YZD BEOGRAD, YUGOSLAVIA Many commercial operators Dec95
SSB CANADA Bush comms - dpx 7818.5

7660.0 SSB US AIR FORCE Mystic Star net
SSB AUSTRALIA POLICE WA/SA/NW
SSB GILES, AUSTRALIA Bureau of Meteorology

7662.0 RTTY HBD20 BERNE, SWITZERLAND MFA - SITOR
RTTY VARIOUS SWISS EMB. London/Bonn/Praha-SITOR
CW KUN50 AGANA, GUAM MFA Washington relay
CW KWA80 BANGKOK, THAILAND US Embassy

7662.5 SSB US MARINE CORPS Tactical

7663.0 SSB UNID Scrambled comms Jan91

7663.5 RTTY FDY ORLEANS, FRANCE French Air Force - 50bd Jan96
RTTY UNID OQPSK

7665.0 SSB RUSSIA Antarctic comms

7668.5 RTTY HBD20 BERNE, SWITZERLAND MFA - SITOR

7669.0 SSB TUVU Vanuatu

7669.5 SSB FED. HIGHWAY ADMIN. Inter-island net Ch.F25-Emergency Comms Sys.

7670.0 SSB NASA Meteo Jan96

7671.0 ISB MKD AKROTIRI, CYPRUS UNPROFOR Bosnia

7673.0 SSB UNITED NATIONS

7674.0 SSB UNID Phone call w/KTM212 clear Apr91

7675.0 SSB US COAST GUARD Law Enforcement Operations
SSB US AIR FORCE Air Combat Command
SSB NASA Ground relay

7676.0 SSB NASA Ministry of Transport
SSB UNID Launch support aircraft Jan96

7677.0 RTTY HBD20 BERNE, SWITZERLAND MFA - SITOR

7678.0 SSB KIRIBATI Ministry of the Land

7679.0 SSB US AIR NATL GUARD BROCHURE (Wisconsin ANG)

7680.0 SSB UNID British ops - GUAVA wkg Nov91 various tracks

SSB US AIR FORCE MARS

ISB GXQ LONDON, ENGLAND Army VFT: DCN thru 7682.8 Jan96

7681.0 RTTY UNID ACF64, SYN blocked-850/75 Jan96

7682.0 PACKET US AIR FORCE MARS Nov95
Howdy folks, were back for another interesting logs month. After my
please last month, we have three new contributors by mail for this issue.
Two from England; that rascal "Robin Hood" and Mr. "John Doe" of London.
From Kilgore, Tx, comes Robert Thompson. They are joined by mailhregulars
Art Blair and Fabio Luis Fonseca, of Gravatai, RS, Brazil and 61 others by
ehmail from 15 countries, including our first logs ever from Mauritius.
Thanks to all who take time to share what they hear with us.
No update on the condition of Carl Quick. If someone with e-mail
capability wants to help out and fill in for him to help in this column,
drop me a line.

=CIVIL AERO=

2872 Gander Radio: NF, CAN 0631 USB wkg unid flt 714 w/posrep, adv call
Shanwick at 54N. Shanwick, IRE: 0632 USB wkg unid flt 8104 w/posrep,
50N at 280. Gander Radio: NF, CAN 0717 USB wkg unid flt 8182 w/selcal
FM-GH. Speedbird 204 0439 USB (AC-JM) wkg Shanwick w/ARP 52N30W F350
(TO)

2899 Shanwick, IRE: (NAT-B MWARA) 0610 USB wkg American 54 w/posrep,
Gander had to relay for Flt. Gander Radio: NF, CAN (NAT-B MWARA) 0625
USB wkg UPS 6080 w/posrep, 49N/30W 0624, selcal CF-MQ, DC-8 N803UP.
At 0631 wkg Tower Air 31 w/posrep. At 0648 wkg world 111 w/selcal ck
CH-8D, DC-10 N117WA (ex-N302UW). (RB) Continental 28 0429 USB (GH-AE)
wkg Shanwick w/ARP 50N30W F310 ETA 0650. OY-CKK 0430 USB (CG-FS) wkg
Shanwick w/selcal check DA900B of Lego Systems. DHL 011 0432 USB
(DG-CL) wkg Gander w/ARP 54N30W F310 ETA JFK 0904. SHUCK 36 0501 USB
wkg Shanwick w/ARP 52N30W F310. BEAK 75 0115 USB wkg Gander w/ARP
55N50W F290 (TO)

2962 Canarias: 0649 USB wkg Caledonian 074 w/posrep, relays same to Santa
Maria. (RB)
AIR MIKE 922 1334 USB w/Naha/just dep't Taipei for Guam "CM-DF" prob COA leased N40489 727-200. AIR MIKE 928 1340 USB w/Naha/just dep't Seoul for Guam "CM-BJ" (JSM)

Gander Radio: NF, CAN (NAT-A MWARA) 0425 USB wkg N938H, w/posrep, Raytheon Corp BAE125/800A. (RB)

Iberia 6170 0122 USB (HL-BD) wkg Madrid LDOC w/ARP & wx rpt. Iberia 6892 0132 USB wkg Madrid LDOC w/ARP MOGNI 0129 F330. Iberia 6820 0134 USB (DF-GH) wkg Madrid LDOC for selcal check (TO)

AAL 956/962/918 0635 USB Heard 3 American Al. flights wkg ATC Station w/SS accent, poss. Colonial Domestic, can anyone confirm this? (M2)

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5616 REACH 70022 1108 USB wkg Iceland (C-141B). CFC 1671 1806 USB wkg Shanwick clmbing (BH) American 84 0352 USB (3-JK) wkg Gander w/ARP 58N30W F330. Canadian 40 0427 USB (HL-EJ) wkg Shanwick w/ARP 49N30W F350. BEAK 76 0122 USB wkg Gander w/ARP SCROD F290. GOLD 79 0126 USB wkg Shanwick w/ARP 51N30W F390 (TO)

5628 Tokyo: 1019 USB wkg United 85 w-posrep (AW)

5637 Olympic Airways SX-BKA 1831 USB wkg Athens Radio req selcal check "BLEJ" with Athens Radio (SWA) Selcals are transmitted on 5638 AM. (CK) Athens 0450 USB calling Limnos w/no reply. First time ever heard anything on this Greek aviation frequency. (TB)

5658 Sabena 573 0057 USB wkg Tripoli ATC. LAZ 556 0102 USB wkg Cairo ATC. Contact to Cairo on 129.4 VHF. (KH) PIA 746 2234 USB wkg Sanaa (A300) reg. AP-BAX, selcal AGEH, 300 Johannesburg - Karachi for relay to Nairobi. SEU 492B 2237 USB wkg Cairo -> Khartoum (B737) B737, Luxor - Mombassa f1290, SML (Abu Simbel) 2259 (any ideas which company SEU is? Couldn't find a scheduled flight from Luxor to Mombassa in the ABC either. DLH 8296 2237 USB wkg Cairo -> Khartoum (B747) B747, Frankfurt - Nairobi, f1330, SML 2314. AFR 481 2245 USB wkg Khartoum -> Cairo (B747) B747, Nairobi - Paris CDG, f1310, SML 231. KLM 584 2248 USB wkg Cairo w/kg Cairo (MD-11, PH-KCH) route MRW (Merowe) - SML 5075, selcal clg Lahore ATC (KH) Air44-2115 USB wkg Bombay, req Selcal chk/gs3q (Possibly ex.CLI A310 ?). DLH779 2115 USB wkg Bombay/ARV Verla 2115 ALAMA 2154 F310. DLH8297 2115 USB wkg Khartoum/ARV AVONO 2115 F350 KNA 2142. AIC156 2200 USB wkg Bom, Delhi/ARV FDD 2234 F290 TIGER nxt sel/ABCH (V2LEJ L101). KAC361 2145 USB wkg Bombay/ARV ALAMA 2115 F290 VERLA sel/DFRM (9KAMC A300). AFR455 2124 USB wkg Khartoum/ARV EPSIX 2124 F310 AVONIA 2144 KNA. TRU703 2130 USB wkg Called Entebbe several times, Nairobi replied but a/c didn't !! (RD3)

5661 Aeroflot 436 2200 USB wkg Malta, getting a met report. Has anyone heard any other stations on this freq? (MZ)

5673 Unid 1359 Volmet w/computer voice. (SB)

6535 LUFTHANSA 503 0222 USB w/Dakar @ "NANIK" (06-20.5N/33-10.5W) "CM-LS" D-AGH A340-300. ASCOT 3451: 0211 USB w/Dakar @ 05S/15W "DJ-BC" ZD-952 L1011 Tristar Ascension-EGVN. LUFTHANSA 526: 0309 USB w/Dakar @ "KENOX" (14-48.6N/28-29.5W) "AL-EH" D-ABVF 747-400. SPEEDBIRD 67: 0254 USB w/Dakar @ "KENOX" "AL-EH" G-CIVA 747-400 Buenos Aires-LHR. SPEEDBIRD 244: 0221 USB w/Dakar @ "NANIK" "BR-AH" G-BNLZ 747-400.
Sao Paulo-LHR. VARIG 721: 0306 USB w/Dakar @ "GAPOL" (14-16.9N/26-32.5W) "HK-LM" PP-VMD DC10-30. SPEEDBIRD 267: 0316 USB w/Dakar @ "GAPOL" "BP-CM" G-BNL P 747-400. AIR AFRIQUE 9921: 0345 USB w/Dakar inbound from "TIO" (29-13N/00-15E in Algiers FIR) & to report "UDELA" "DGhEK" 5XhJON 707h300. AIR AFRIQUE 9921: 0345 USB w/Dakar inbound from "TIO" (29-13N/00-15E in Algiers FIR) & to report "UDELA" "DGhEK" 5XhJON 707h300. AIR AFRIQUE 9921: 0345 USB w/Dakar inbound from "TIO" (29-13N/00-15E in Algiers FIR) & to report "UDELA" "DGhEK" 5XhJON 707h300.

Vinhom02

6556
SINGAPORE 412 1500 USB w/Madras @ "ANOOKO" (07-8.2N/94-25E) "DF-GL" 9V-STR A310-300 Sing-Bombay. LTU 769 1507 USB w/Ljubljana @ "SAPPAN" (08-5.2N/97-32.7E) SAMAK next "BQ-AL" D-AMUM 757-200. QANTAS 6 1523 USB w/Perth @ "UBNAX" (14-42.8S/25-58.2E) "HJ-FP" VH-OJM 747-400. Bangkok-Sydney. MALAYSIAN 317 1528 USB w/Jakarta @ "KEONG" (06-55S/120-00E), call BALI on VHF "EP-GL" 9M-MHL 747-400. SAUDIA 5821 1613 USB w/Ljubljana @ "ANOOKO" "DH-GJ" N82SJR 747-100. AEROFLOT 558 1430 USB w/Yangon @ "ROBNO" (10-00N/97-05E) "DM-CL" Singapore-New Delhi.

6559
SINGAPORE 412 1500 USB w/Madras @ "ANOOKO" (07-8.2N/94-25E) "DF-GL" 9V-STR A310-300 Sing-Bombay. LTU 769 1507 USB w/Ljubljana @ "SAPPAN" (08-5.2N/97-32.7E) SAMAK next "BQ-AL" D-AMUM 757-200. QANTAS 6 1523 USB w/Perth @ "UBNAX" (14-42.8S/25-58.2E) "HJ-FP" VH-OJM 747-400. Bangkok-Sydney. MALAYSIAN 317 1528 USB w/Jakarta @ "KEONG" (06-55S/120-00E), call BALI on VHF "EP-GL" 9M-MHL 747-400. SAUDIA 5821 1613 USB w/Ljubljana @ "ANOOKO" "DH-GJ" N82SJR 747-100. AEROFLOT 558 1430 USB w/Yangon @ "ROBNO" (10-00N/97-05E) "DM-CL" Singapore-New Delhi.
receiving clearance to Brisbane via flight plan route, Fokker F.28. Aussie 708 0645 USB wkg Brisbane w/ARP DOSOB F180 climbing. Qantas 04 0726 USB (EG-FL) wkg Tahiti w/ARP F390. Polynesian 844 0732 USB (FP-KR) wkg Nadi w/ARP OMORI? F370 .74 grnd speed 533 kts. (TO) Lufthansa 404 1837 USB (LM-HS) wkg Gander w/ARP 58N30W F350. (TO) NIPPON CARGO 083: 2100 USB w/Baffin @ "LT" (CA) (10) to 82-31N 62-12.8W westbound on polar track "QUEBEC" "AF-JK" JA8194 747-200F. (JSM)

8879
8891
8893
8903
8906
8908
8910
& selcal chk/GHCS N276WA MD-11. HALCV 1652 UAB wkg Stockholm/Req pp
Budapest OCC (TU154 MALEV). RIA7200 1700 USB wkg on ground ENVA for
radio check. UAE662 1700 USB wkg Stockholm/o/h the Med Larnaca-
Heathrow ETA 2150 Req EGLL wx/selcal ck/DHEM (5BDAE A310). WOA
'MAZ' 1645 USB wkg Stockholm/ARP BBM 1645 F310. ETA OJN 2145 Fuel
54.1 sel/EGAC (9MMAZ DC10). OOGBL 1800 USB wkg Stockholm pp to
Company ops. (LR35A). UAE770 1900 USB wkg Stockholm/dep.Ho Chi Minh
to Dubai ETA 0130. sel/FOGQ A6EEK A310. LDA650 1900 USB wkg Stockholm
Radio, selcal chk/BKJ ?. UAE624 1928 USB wkg Stockholm/o/h Iran.
Tehran to Dubai ETA 2300 sel/GLAR A6EEK A310. WOA727 2122 USB wkg
Stockholm/Msd to Comores 0353. WOA'MAZ' 1930 USB wkg
Stockholm/Req./Jeddah wx. selcal/EGAC 9MMAZ DC10. VKG1104 1945 USB wkg
Stockholm/p/p to Premiair Ops Copenhagen. (RD)

SA275 1945 USB wkg Springbok Ops/ETA Jo'burg 0549. ARP/CSO 2146 F330
will call later (RD)

VARIG 300 0240 USB wkg VARIG LDOC (Recife) w/dep. msg from Sao Luiz
0230/35 ETA Belem 0325; B737-300 req. PP-VOG (FLF)

JAPAN ASIA 222 1716 USB w/Manila @ "SEKSI" (12-16.2N/113-59.8E)
"PF-KM" JA8534 DC10-40. EMIRATES 0724 1645 USB w/Ho-Chi-Minh @
"PKAT" (06-04/106-30). "FQ-GI" A6-EK9 A310-300 Sing-Ho-Chi-Minh
SINGAPORE 15 1647 USB w/Sing @ "IDRUX" (08-22.6N/110-19.6E) "DQ-AS"
9V-SMY 747-400 Seoul-Sign. SINGAPORE 882 1653 w/Sing @ "KANTO"
(06-49.6N/103-48.2E) "BP-FR" 9V-STX A310-300 Sign-Seoul. LUFTHANSA
8455 1756 USB w/Hong Kong @ "CAVOI" (17-13.5N/110-00E) "BL-ADF" D-ABY
747-200. JAPAN AIR 716: 1641 USB w/Singapore for pre-flight radio
check "JK-CG" JA8545 DC10-40. UPS 6814: 1650 USB w/Singapore @
"MAARZ" (05-56.3N/108-48.8E) "CE-AQ" N801UP DC8-73F. (JSM)

Portishead Radio 2102 USB wkg '503' passing frequency of 139.95 for
Madrid. (TB)

Argentina 1745 1940 USB OW-Aerolineas Argentinas LDOC (QTH:
Aeroparque Jorge Newbery-Buenos Aires) wkg this flight rpting
maintenance problems w/"doors closed" lighting. Argentina 1883 1956
USB wkg OW LDOC w/req for someone to meet two children upon arrival.
Argentina 1375 2016 USB wkg same w/req for ambulance to meet pax.

DHL flight 1921 USB checking in w/ground station in Miami (MF2)

Brazzaville VOLMET 2100 USB Aero wx for various cities in FR, very
strong signal (TO)

Speedbird 8918 1830 USB wkg Speedbird R. for London wx; not
available. Caledonian 5481 1832 USB wkg same w/req pp to Cally Ops
ETA LGW 2115 (TO)

Cedar Rapids: LDOC, IA, US 0024 USB wkg Connie 801 w/ETA SBGF. (RB)

Malaysia 202 0138 USB wkg Ezeiza R. ARG w/ARP KILOS F330 reg.
N273WA of world. Malaysia 4816 1729 USB wkg same w/ARP ANKOK F330. 

VARIG 2056 1750 USB (BL-FJ) wkg VARIG LDOC (Rio de Janeiro) w/ARP ATF
ETA CUN 2335. VARIG 477 1804 USB wkg same rpting arr. at Brasilia
737-200 req. PP-CJP. VARIG 482 1810 USB rpting arr Campo Grande
1800/04 B737-200 reg. PP-CJS (FLF)

AIR CHINA-176 0610 USB wkg Perth radio. Coast Watch-523 0350 USB wkg
Perth (SB)

N623J: Pilatus PC-12 of Serka 2319 USB Aviation, De, concluding R/T
trans w/KMI (on 13080). (RB)

DHA-06F: 0123 USB wkg/Nadi radio, also 17904, id as a B707 D2-TOP
EGAL on rout from Manila to Nadi. (not thru cairns) (SB)

El-Al flight 1000 USB w/El-Al, Tel Aviv LDOC wx rpt in Hebrew (ANEE)

CW8 823: 2156 USB w/Houston @ just dept Cancun for Freeport, Bah.
"KS-ER", UNITED 881: 1736 USB w/Houston on ramp at Chicago "FG-CP"
N173UA 747-400 ORD-Tokyo-Taipei. UNITED 803: 1749 USB w/Houston
@"over Toronto", "AC-EG" N151UA 747-200 Newark-Tokyo. COAST GUARD 1:
1956 USB w/Houston w/selcal ck "AF-LP" (JSM)

Aero Mexico: unid LDOC, MEX 2325 USB wkg unid flt in SS comms,
selcal ck. (RB)

=DIGITAL MODES=
Please note that ARQ is used for SitorhA, FEC is used for Sitorh-B, and
Pagina 336
both of these modes are 100/170 unless noted otherwise. RTTY is used for Baudot. This is not as a statement of correctness, but rather a space saving measure.


1490.7 MFA ISLAMABAD ? 1609 TWINPLEX 100 weak, irs. Weaker twinplex in background. Eventually faded but still active. (DW)

2460 RIGA RADIO (YLQ) 1915 ARQ wkg unid ship. Constant mark between bursts. Marker "YLQ scanauto" and tuning bursts. (DW)

2607 FUO: Toulon, F 1810 RTTY 75b/850 test tape w/RY's, SG's. (JD2)

2750.5 EHG4: GC Orense,E 1933 ARQ sx Sp tcf, selcalling TXXX. (RK)

2892.3 MGJ: Faslane Naval base, Scotland 1800 RTTY 75b/850 CARB (replacing MTO which has now ceased transmission). (JD2)

3082.2 CSP32: POL Vila Real, POR 2345 FEC 20032 CDVRL, & msg fm C.P. VILA REAL. (RK)

3203 Unid: Royal Navy,??? 1941 RTTY 75bd/850 Baudot, crypto "16ry's vnmgtnjnhb" (MC)

3229.5 Unid: 0315 RTTY w/USAF coded wx, ment.KAWN (RT2) (AFS: USAF Offutt AFB, Omaha (Elk Horn xmit site), Ne -LOGS)

3282.2 Portuguese State Police, POR 0709 FEC w/weak tcf in Portuguese. (RB)

3311 Unid: 2218 RTTY 50/170 ATU-80 tcf (MC) (unid "N.Africa" in 5/95 WUN, listed as "Tunis" in 12/95 WUN -LOGS)

3358.5 NAM: Norfolk,VA 0210 FAX 120/576 strong quality (RT2)

3386.3 Unid: 0540 ARQ-E3 192/425 Idling. (RB)

3394 NAU: Roosevelt Roads,PR? 0315 RTTY w/coded wx (RT2)

3451.5 Irish Navy units: 0200 ARQ relaying wx reports. (ANEE)

3529.2 Unid: 0130 ARQ-M2 200 (ANEE)

3561.4 Unid: 2030 ARQ also FEC tcf here (ANEE)

3583.5 Unid: 2030 CLOVER 200 poss. Croatian army? (ANEE) (several known amateur digital mailboxes in this area also -LOGS)

3593.8 Unid: 0145 PACTOR 200 til 0200 (ANEE)

3832.7 RFFVA: FAF Paris,F 2000 ARQ-M2 200 'FDBX...' msg to RFFVAY. (RK)

3861 UNID: 0736 ARQ-E 85.7/170 On line encrypted tcf. (DW)

3903.7 D7FS: 2201 RTTY 50/1000 Idling on space. Burst of ry's and ID D7FS at each 15 min from the hour. W8N2: 2040 RTTY 50/1000 Idling on space. Short ID and ry's at 2058z. Callsign yesterday [D7FS] & on 28/Feb [XN2B] ie daily tactical callsign. (DW)

4159.2 Unid: 1905 ARQ comms in unid lang. (Bvr)

4172.5 ESX: MV Pihtla 2152 ARQ msg to ESA/Tallinn in Estonian from Km Retskalov. Vsl is ex Vera Lebedyeva c/s UDC. (HOOD)

4173.5 WSRH: SS Kauai 0635 ARQ opr+ mode. Arr SFO on the hour. (WT)

4174.5 J8KY8: MV Sunwave 2140 ARQ msg to FFT/St Lys login 02336 SUNWAVE. Vsl owned by Sunset Maritime Corp., Monrovia GRT 2136 and Captain is Latvian (Pudans Martins), ITU gives as Telendos. (HOOD) 3ELQ9: M/V Columbia 0438 ARQ w/tlx login 42971 jsly. (WT)

4175 ELFT8: M/S Celebration 0424 ARQ w/tlx login 42892 C1bn. ELRB8: Costa Romantica 0505 ARQ w/amver/fr login 42635 elrb8. (WT)

4175.5 ELNX9: TK Tromso Fidelity 2100 ARQ selcalling KYXX=3711/UFN/NWR, msg, 24906 ELNX9 X. (RK) WLBX: M/V L. H. Gianella 0508 ARQ w/movrep. Arr SFO on the hour. (WT)

4176 OXRO2: M/V Helvetia 0700 ARQ w/tlx re departed Veracruz, ETA Progresso. (RB)

4178.5 WEHV: Overseas Alaska 0450 ARQ w/tlx, dept tacoma, eta Cape
Hinch.login 11084 wehv. WEHV: Overseas Alaska 0527 ARQ w/wx obs, bbbx. login 11084 wehv (WT)
4179 HBDJ: ST. Cergue 0143 ARQ w/amver/fr (WT)
4180.5 OXBM6: M/V Fetish 0548 ARQ w/bbxx. (WT)
4202.5 UALX: RTMS Volnyy Veter 2200 RTTY 50b 3cyr msgs KLD/MRH, ex UVWZ. (RK)
4204 LYFZ: RTMKS Vidunas 2144 RTTY 50b 3cyr msgs to KLP; latin: Vydunas/LYFZ. (RK)
4205 UEKK: TH Donskoy 2025 RTTY 50b 3cyr msg to Mariupol. (RK)
4212.5 FFT21: St Lys France 1708 ARQ 100/170 Traffic FF (AB3)
4258.2 MGJ: RN Faslane,G 2012 RTTY 75b QSX mkr //2892.3/6336.2/8672.8. (RK)
4322.1 MGJ: Faslane Naval base, Scotland 1800 RTTY 75b/340 CARB (1 channel of an FDM aggregate replacing MTO which has now ceased transmission). (JD2)
4343 WLO: Mobile Radio,AL 0037 FEC traffic list, at 0337 w/union newsletter, at 1335 w/hourly traffic (RT2)
4396.7 Unid, CIS?: 0440 Unid 200/500 w/encryption, poss CIS station? (RB)
4442.6 Unid: 1913 ARQ-E 100 idle NGN? (BvR)
4446.7 Unid: 2005 108.9bd/170 FSK UNID System, ACF=32 (QSX=5315.7kHz) (MC)
4492.2 Unid 0400 UNID PACKET BB tfc M00940 and NE0021 (TV)
4583 DDK2: Hamburg 1927 RTTY 50 meteo wx (BvR)
4595.5 EHG4: GC Orense,E 1925 ARQ sx selcalling TCWP, tfc CFM M2 DE G4. (RK)
4615 UNHCR Banjaluka, BIH 1900 ARQ EE msg sgd UNHCR BANJALUKA. (RK)
4752.5 RETYMA***: Guardia Civil, Albacete 2006 ARQ Crime reports in SS to RETXX (Madrid) (MC)
4768 CCS: Santiago Chile 0925 RTTY 100/850 Chilean Navy 5LG and Ry (AB3)
5036.7 MFA Cairo,Egy 1812 ARQ sx selcalling XBVP=11105/Roma, tfc. (RK)
5049.2 Portuguese state police 0745 FEC Cmd & CP Coimbra w/circulars to all continental posts (this is day freq qsy to/from 3282.2, the fixed night freq is abt 0600/1800 propagation-dependent) (ANEE)
5055 JFY6: Amman Jordan 1621 RTTY 50/405 PETRA nx AA. (CC)
5121 Unid: 1857 ARQ-E 192 idle (BvR) (unid since issue#1 !! -LOGS)
5127.2 7J***: 1833 FEC Figures time stamped (UTC+1) in CBRS mode (MC)
5243 FAR,F 1850 ARQ-E 72b 'UBF...' EXEAT 961 exercise msgs to RFFHCFB/DETECOLTRANS QUATRE EPINAL. (RK)
5315.7 Unid: 1857 ARQ-E 100/500 w/encryption, poss CIS station? (RB)
5474.5 CSY: Santa Maria Air, AZR 0818 RTTY 50/850 posn relay for flt AEL 710 on circuit MSA. (RB)
5711.5 Apparent LINK-11 transmission at 1614 w/14 pulses. (JH)
5720 RNZAF Data comms (crypto) see 5764 (AB3)
5721.7 MFA Cairo 1815 ARQ poss comms ck with London Embassy (ANEE)
5754 Darwin Meteo, NT, AUS 1127 FAX 120/576 sending wefax. (DW3)
5864.7 USN SIGONELLA (NSY) 1838 FAX 120/576 weak chart, upper air, Europe/Med. (DW)
5865.2 AOK?: Rota, Spain 0317 FAX 120/576 U.S.N? weather maps (RT2)
6216.7 Unid Egy diplo 1733 ARQ atu a tfc (BvR)
6220 Unid Rig? 1800 ARQ same as 6223.3Mhz, Noble Drilling West Africa (BvR)
6223.3 Rig Tommy Craighead 1740 ARQ personnel list to Portharcort Noble drilling West Africa. Rig Percy Johns 1859 ARQ personnel list. At 0515 ARQ daily drilling report to Noble Drilling West Africa Portharcort. Rig Lewis Dugger 1840 ARQ ww Noble Drilling WA (BvR)
6237.7 Unid: 1800 ARQ Unid sc VKXE (BvR) (EastMed ships logged here before w/comapny msgs -LOGS)
6259.9 Unid: 1849 ARQ sc qspv (BvR)
6263 9HEB4: Mt Sunflower 1628 ARQ tlx to Rotterdam. UGSZ: Mt Kommandarm Fedko 1633 ARQ tlx to Batumi ship 26679 (BvR) DVGJ: M/V Morillo 0102 ARQ w/tlx etd Charleston. UNID: M/V Tai Tai 0242 ARQ w/tlx arr mobile roads. UZSE: 0102 ARQ w/tlx in RR login 55054 uzse. UZSE: TK Adygeya 0110 ARQ w/tlx in RR login 55054 uzse. C4XH: M/V Derby North 0155 ARQ w/tlx to: Piraeus re wx too bad for berthing. (WT)
6264 KHRC: SS Matsonia 0207 ARQ rx only login 11008 khrc. WSLH: SS Maui 0054 ARQ w/qrg rpt after arq sent bursts of clover II for abt 5 min. KDBG: M/V Manoa 0235 ARQ rx only login 11165 kdbg. WLVD: Lurline 2242 ARQ w/qrg rpt. WEZM: SS Ewa 0042 ARQ w/qrg rpt. KNIJ: SS Manulani
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0600 ARQ w/svc to: Globe re: software crashed. WEZM: SS Iwa 0230 ARQ w/amver/fr. WEZD: SS Chief Gadao 0053 ARQ w/qrg rpt, login 10867 wezd. (WT)

6265 7TJC: Mourad Diduvche 0735 ARQ LNG/LPG carrier, w/kg 7TK24, Boufark Radio w/tlx ETA Rade Arzew. UKFV: TKH Novol'vovsk 0810 ARQ w/admin TG from master. (RB)

6265.5 ELIG7: M/V Indian Ocean 0559 ARQ w/bbxx. ZCAQ8: M/V Courtney L. 0517 ARQ w/bbxx. P3HR2: Belgrano 0119 ARQ w/tlx login 56180 p3hr2. ELIG7: MV Indian Ocean 0530 ARQ w/bbxx. (WT)

6267 OWJE: 1744 ARQ Unid mv irs mode ship 85624 (BvR)

6267.5 P3CR6: MK Akademikis Zavarietskis 0406 ARQ w/crew TG's to Riga, is flagged out Latvian vsl. (RB) 3FPN5: 0625 ARQ rx only login 71002 3fpn5. LXDE: M/V Deloris 0222 ARQ tlx via WLO (WT)

6268 ZCBB7: M/V Chiquita Jean 0621 ARQ general cargo vsl, w/BBXX meteo to 'Meteo Washington D.C.' (RB)

6269 LXNF: M/V Nara 0628 ARQ w/bbxx (WT)

6270 KHLDO: SS Arco Spirit 0407 ARQ crude oil tanker, w/AMVER, login 10963 KHLDO. UNOJ: TKH Dekabrist 0538 ARQ w/tlx re ETA Kuantoan via WLO, login 55736 UNOJ. (RB)

6272 DPEH: M/V Esperanza 0320 ARQ w/ack of tlx sent to vsl. 9HWA4: M/V Grigoroussa 0350 ARQ w/AMVER/PR, exhC4DU w/login 72050 GRIG. (RB) L32H: UNID,NOR 1650 ARQ ending tfc, 32435 L32H X, rig/platform ?. (RK)

6274 YLAP: MK Pavel Sternbergs 0602 ARQ w/admin msg to Riga Radio. (RB)

6274.5 SQEE: MV Kopalnia Zofiowka 0157 ARQ w/tlx. (WT)

6283.5 KNKC: SS Chile 0636 ARQ w/qrg rpt. (WT)

6303.5 YUX: TKH Dmitriy Polyuan 2245 RTTY general cargo ship, in 50/170 RYR/DE to UUI, Odessa Radio, w/ admin TG's from master KM Kovacha. (RB)

6305 Unid: 1857 ARQ Unid Dutch internship comms (BvR)

6309 UANB: MI-0771 MRM/KRH 1840 RTTY 50b 3cyr msg to UDK2. (RK)

6311 UTXS: TH Valya Kotik 1835 RTTY 50b 3cyr msg to UAT. (RK)

6325.5 WLO: Mobile Radio, L 1443 FEC temp out of service (RT2)

6325.5 WNU627: Slideill Radio, LA 0015 FEC w/offshore wx (RT2)

6329.5 WOM: Ft. Lauderdale, FL 0251 FEC w/Gulf of Mexico wx (RT2)

6336.3 MGJ: 1641 RTTY 75 RN ... 02d 03b ... (BR) (Ary sez RN Sub Base, Faslane, Scotland -LOGS)

6336.6 GYA: Royal Navy, London 2305 RTTY 75/850 w/code (RT2)

6348 HWN: FN Paris 1642 RTTY 75 de hwn rryr sgsgsg (BvR) HWN: FN Paris 1035 RTTY 75b clg "FN" & requesting to QSY. The line ended with the word "DESOLE". (PT)

6362.1 MGJ: Faslane Naval base, Scotland 1800 RTTY 75b/340 CARB (1 channel of an FDM aggregate replacing MTO which has now ceased transmission). (JD2)

6375 RTQGDBCY: TURKISH NAVY 2240 RTTY 75/850 uses circuit indicator (TIIA). Suggests TN bcdast, possibly for small ships. Istasyonu mentioned - location? To TBDJ - not a Turkish ship - collective callsign? (DW) ("Any Turkish Naval ship" -LOGS) TBO3: Tuny Izmir, TUR 2130 RTTY 75b DE RTQGDA, T22C 5L msg. (RK)

6417 WLO: Mobile Radio 2035 FEC tfc list (RT2)

6425.3 Unid: 1240 RTTY 75/924 (RT2)

6425.7 Unid: 0215 RTTY 75/850 Strong sig...Russian? (RT2)

6496.4 Unid: 0110 RTTY CWHF Conforce wx. (RT2) (should be CFH: Halifax NS Ca. -LOGS) CFH: Halifax Canada 0951 RTTY 75/850 Canadian Forces WX (TAF) (CC)

6517 Egyptian diplo 1700 ARQ atu a & 5 fgs (BvR)

6537 Egyptian diplo? 1820 ARQ atu A tfc (BvR)

6537.7 Egyptian Embassy, Khartoum 1800 ARQ w/kg/MFA Cairo (ANEE)

6571.7 Egyptian Emb Roma, I 1810 ARQ to Cairo, req QSY 8055, then req QSY 5035. (RK)

6681.7 Egyptian Embassy, London 1700 ARQ w/kg/MFA Cairo til 1830 (ANEE)

7641.7 PLM Tunisia 0117 ARQ "secret" msg., Tunisian Navy. (ED) (this is TSBF, the Tunisian naval vsl PLM Tunis (502), PLM is Patrouiller Lance-Missiles or Missile Patrol Boat -LOGS)

7679.3 German Navy 0717 VFT: 3ch of 150bd/170 FSK UNID System (space 0/700/1400) (MC)

7685.4 MKK: RAF LONDON 0848 RTTY 50/340 Chan.B in vft. RYIs qbf figs "test
WUN-v02

6786 MKK: RAF LONDON 0843 VFT 16 channel DCN interleaved vft on lsb/usb.
4 channels active lsb, 6 channels active usb. (DW)
6787.9 MKK: RAF LONDON 0847 RTTY 50/340 Chan. 5 in vft. RYIs qbf figs "test de MKK". (DW)
6791.7 MFA Cairo, EGY 1725 ARQ ATU-Ar msg to KDS YPHKG DGMG =London. (RK)
6797.5 Guardia Civil, Cordoba 1345 ARQ w/missing person circular to entire net, followed by jecor (jefe coronel) exterior messages to all Madrid sectors abt another disappeared woman. The andalucia net is on nights on 3267.5. (ANEE)
6820 V5G***: Romanian MFA, Bucharest 1817 164.5bd/400 ROUhFEC, crypto (MC)
6821.7 MFA Cairo 1815 ARQ wkg/Egyptian Embassy, London til 1930 (ANEE)
6836.7 Unid: 0640 ARQhE3 200/425, idling. (RB)
6837.9 Egyptian Embassy? 0637 ARQ w/SFG's. (RB)
6881.6 Unid: 1807 109bd/170 FSK UNID System (MC)
6915 BAP46: Beijing China 1851 RTTY 75/963 Xinhua N X EE (AB3)
BAP46: Xinhua Radio, Beijing 1435 RTTY 75 EE nx (EW)
6918 Madrid meteo, E 0048 FAX 120/576 sending wefax. (DW3)
6972 YOG59: Bucharest Romania 1856 RTTY 50/476 N X EE (AB3)
YOG59: Bucharest Romania 1637 RTTY 50/507 Romp res N X FF. (CC)
6974.8 Unid: 0321 RTTY 50/400 Unid meteo station. (ED)
7350.7 MFA ALGIERS 1358 COQ-B 26.6 tfc in ATU80. CQ msg "qry selon tableau 1 Madrid 2 Trp3 Tunis 4 Rqbt." Worked each in turn but emb side not heard this freq. Return freq 9118.66? (DW)
7353 AXI36: Darwin meteo 1438 FAX 120 wx map (EW)
7356 YIX75: Baghdad Iraq 1942 RTTY 50/403 INA N X AA. (CC)
7358 NKW: Diego Garcia Radio 1438 FAX 120 wx map (EW)
7356 RFVITT: FF Dzaoudi Mayotte Island 1436 ARQ-E 96 idle (EW)
7360.7 RFFA: FF Paris Radio 1435 ARQ-E 100 idle (EW) 0642 ARQ-E 100/425 w/2 pages of 5Lg non-protuge tfc on circuit HJL. (RB)
7364.5 Unid: 0154 FEC 109.5/340 5Lg's, Sp. Msg., Cuba? (ED)
7367 RCC76: Moscow Meteo Radio 1432 FAX 120 wx map (EW)
7368.5 HBD20/2: Swiss MFA, Berne 1830 ARQ 5LGS ending "hbd20/2 +?" (MC)
7726.7 MFA Cairo, EGY 1540 ARQ ATU-Ar msgs. (RK)
7736.7 MFA Cairo 1800 ARQ wkg/Egyptian Embassy, Paris w/security office tcf (ANEE)
7746.7 Egyptian R, Rome 1900 ARQ 5LGS and ATU-80 MSGs from Rome (fljk) to Cairo (MC)
7756.7 MFA Cairo 1800 ARQ wkg/Egyptian Embassy, Rome w/security office tcf. (ANEE)
7760 RDH77: Arkhangelsk Radio, R 1430 RTTY 50 ry (EW)
7770 KAWN 0644 RTTY 75/880 USAF Air wx (AB3)
7808 DFZG: Belgrade Serbia 0634 RTTY 75/405 Serb MFA RY tape. (AB3)
7808 DFZG***: Belgrade MFA, Belgrade 0615 RTTY 75/400 "dfzg dfzg dfzg qt cte rry..." then crypto (MC)
7838.1 Unid: 0351 ARQ-E 96/425 idle. (RB)
7832 AFA2QG: USAF MARS 2135 RTTY 75/170 w/ MARS broadcast 206. (RB)
7894.5 Unid: 0550 ARQ-M2 SPEED? garbled tcf possible call EAWBQA (MES)
7916 DGG91L2: PIAB BONN 1341 FEChA 96/400 Start up sequence for Europe !qra de DGG91L2 auf 7916,0 khz" andry's, March schedule, then German press for Europe. (DW)
7946 RPV1: FF Le Port Radio, Reunion 1424 ARQ-E 96 idle (EW)
7961.7 Unid: Philippine Military, Israel 1800 ARQ wkg/MFA Cairo til 1915 (ANEE)
7998 RFHJ2?: French Navy, Papeete 0735 ARQ-E3 Tahiti, 96/425 w/non-protecte tcf to RFFKCTR, shows from side as "FM CENTAUE", new one for me. ID? (RB)
8001 RFHJ: French Forces, Papeete 0617 ARQ-E3 Tahiti, 96/425 w/CdeV. (RB)
8020 HMF85: KCNA News, Pyongyang 1757 RTTY 50/250 "ryry qa de hmf52/hmf85 freq 31476/8020 kcna" (MC)
8021.3 HMF85?: Pyongyang, N. Korea? 2000 RTTY 50/250 News (RT2)
8022 Unid: Romanian 1519 ROU-FEC 218.3bd/400 crypto (MC)
8023 UNIDEN 1037 FEC-A ??? idled for some time. no traffic no id. off 1051 (EW)
8026.7 Egyptian Embassy, Wash. DC 1745 ARQ comm office wkqg/MFA Cairo communications administration office (ANEE)
8028 SNG202: Polish MFA, Warsaw 0731 RTTY 100/500 repeated "ryry..."
WUNhv02

sng-202 sng-202 sng-202 ryryr..." (MC)

8030.3 Unid: 2244 ARQ-E 72/425 idling. (RB)

8030.9 RFFXL?: FF Unifil Naquara, LBN 2258 ARQ-E 72/425, idling, this is only log I found for freq, not confirmed. (RB)

8049 9BC25: Tehran Iran 2105 RTTY 50/692 IRNA Nx EE (AB3)

8056.7 MFA Cairo, EGY 1812 ARQ selcalling XBVP=11105/Roma, tcf. (RK)

8080.5 Spanish Embassy, unk loc 0739 TWINPLEX-1w 100 (200/85), crypto + opchat in SS. (MC)

8088 Unid: Russian? 0631 81h81 81/250 tcf (MC)

8099.3 MFA SOFIA 1022 RTTY 150/500 Bulgarian p/l. Mart = March. (DW)

8140 3EYB6: MV Kudu 1624 ARQ msg to GKE/Portishead for ETA Cristobal from Capt. Kurotakis. (BvR)

8153.6 Unid: 0747 108.9bd/170 FSK UNID System, ACF=32 (MC)

8186.4 MSF Lyon?: 1800 PACTOR 200 wkg/Zagreb, chatter abt computer probs. (ANEE)

8192 9MR: Malaysia Naval Radio 1351 RTTY 50 msgs to ships (EW) 9MR: Johor Bahru, Malaysia 1700 RTTY 75b/850 test tape w/9MR 11/15 RMMJ MRB. (JD2)

8249.7 MV Ioanis 1815 ARQ tlx to Eastern Mediterranean Athens (BvR)

8303 LOR: Argentine Navy, Puerto Belgrano, ARG 2315 RTTY 75b/850 test tape w/immediate tcf. 5LG's. (PP) LOR: Buenos Aires 0701 RTTY 75/184 PP Maritime tcf. (AB3)

8330.7 RFVI: FF Le Port Radio, Reunion 1352 ARQ-E3 100 idle (EW)

8341.5 RFHZ: FF Noumea Radio 1345 ARQ-E3 100 idle (EW)

8361.8 MV Gnik 1136 ARQ x ship 00019 msgs to mv?? Voyager (BvR)

8367 3EYB6: MV Kudo 1624 ARQ msg to GKE/Portishead for ETA Cristobal from Capt. Matsumoto login 42577 3EYB6. (HOOD) UXUS: MV Volkov 1430 ARQ msg to GKE, 55432 UXUS. J8ED6: TH Kolkhida 1500 ARQ msg to GKE for RDO BTM, WRU-ID 23302 J8ED6 X. UJUA: MT David Garamishvili 1600 ARQ msg to MORFLOT Batumi via Portishead, 55313 UJUA X. (RK)

8377.5 C6NJ4: Cascadian Dawn 0158 ARQ w/tlx. WEZD: SS Chief Gadao 0648 ARQ w/amver/pr 3643N 14539E. WLBX: L.H.Gianella 0600 ARQ tlx via KFS (WT)

8381 UZEG: Mv Parfentii Gretchanyi 1728 ARQ tlx to Odessa. UBGR: Mv Andrey Lavrov 1735 ARQ ship 54648 sc xckm (BvR)

8383.5 Z_Ch6: M/V Ice Flake 0634 ARQ w/tlx for registering w/KPH, login 319038000 ICFL. UWTB: THK Akademik Guber 0645 ARQ w/DISP-1 report from master KM Grinenko to Mariupol Radio. (RB) UZHD: MV Nikolay Morozov, UKR 1630 ARQ msg, 67855 UZHD. LXNF: M/V Nara 0148 ARQ wx obs. (WT)

8383.7 OWJP2: Elisabeth Clipper 0110 ARQ w/tlx in Danish. (AB2) C6CP: M/S V VKF: SPIC Emerald, IND 1655 ARQ msgs, ETA La Sikira, 23606 VVX X. (RK) UNID: Capitan BT Ancud?? 0200 ARQ w/tlx in ss login 19031 ancd. CBAN: Andegas 0834 ARQ tlx in SS. (WT)

8384.5 UJGO: Mt Marshal Vasilevskiy 1821 ARQ  tlx tfc. ENPP: Ms Kapitan Samoilenco 1556 ARQ tlx to Hamburg eta Riga 230300 ship 55583 (BvR)

8385.5 IBYC: Jolly Rubino, I 2105 ARQ selcalling QVYV=2070/IAR, msg. (RK) KHLD: SS Arco Spirit 1843 ARQ in opr mode asking for qsl. Login 10963 khd. (WT)

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8406  UTZF:  TKH SUETS 2034 RTTY 50/170 RYRY/DE & w/"PROK-1" reports to Odessa Radio, other admin tfc from KM Rudenko. (PP)
8406.5 UNNL:  BMRT Zvezda 2041 RTTY in 50/170 crew TG's to Kerch Rdo (KRCH/MRH). (RB)
8407  UALV:  RTMS Kulikovo Polye 0930 RTTY 50/170 with svc msg to Murmansk (VLD/VTF). UEMP:  RTMS Malta 2202 RTTY in 50/170 RYRY/DE to UIW, & into crew TG's using hull#/ID RTMS 7563, is ex-LYEB. (RB)
8408.5 P3AX6:  TR Anton Gurin 2039 RTTY in 50/170 crew TG's. UWOC:  TKH Kapitan Modest Ivanov 2312 RTTY in 50/170 admin tfc to Odessa Radio, vsl bound Port Beira, Mozambique. (RB)
8411.5 UAMD:  NPS Zund 0048 RTTY in 50/170 crew TG's to Khgrad, is ExhEWVV. (RB)
8413  UQRT:  TKH Il'ya Ul'yanov 0618 ARQ sending tfc via UGC, St Petersburg Radio for UOUW, TKH Boris Zhenrizhin 2327 ARQ w/crew TG's to St Petersburg. (RB)
8417.5 KFS:  Palo Alto, CA 1740 FEC ships traffic w/college hoops tfc (RT2)
8420   WLO:  Mobile Radio, AL 2310 ARQ w/sports & NYSE (RT2)
8430   XSG:  Shanghai R.,CHN 1940 ARQ w/CW ID "XSG". (RK)
8435   VCT:  Grand Banks R. NF,CAN 1905 FEC tfc list CQ DE KFS/WNU/VCT/KEJ/SAB/ZLA. (RK)
8476   FUF:  0543 USB RTTY 75b Mainly in idles (MES) FUF:  Le Port, Reunion Island UTC? RTTY 75b w/test tape: RYs/SGs/VVV VVV VVV DE FUX FUX FUX (MS4)
8478.5 FUF:  FNY Fort de France,MRT 1935 RTTY 75b RY DE FUF. (RK)
8500   UON:  Baku Radio 1927 RTTY 50/170 msg to TK Shamakhy (4JGA) for Km Mahmudov. Vsl is ex UHZC. (HOOD)
8538 6Ww:  Dakar, SEN 1815 RTTY 75b/850 test tape, "Fox", RY's & SG's. (JD2)
8626   GYU:  RN Gibraltar,GIB 1545 RTTY 75b MANUAL CARB 08A 12A GYU. (RK)
8642.1 MGJ:  Faslane Naval base, Scotland 1800 RTTY 75b/340 CARB (1 channel of an FDM aggregate replacing MTO which has now ceased transmission). (JD2)
8876   MFA:  Bulgarian MFA, Sofia 1821 RTTY 75/500 "pmo pmo pmo zry 11164" msg acks to Washington DC (MC)
9041 5YE:  Nairobi Kenya 1531 RTTY 100/850 test tape w/5/7/9 RBSL BNR Ry's & SG's. (JD2)
9065   GYU:  RN Gibraltar, GIB 1545 RTTY 75b MANUAL CARB 08A 12A GYU. (RK)
9066.4 GYU:  RN Gibraltar 1115 VFT Chan4 in vft, on line encrypted, ACF7. (DW)
9066.9 GYU:  RN Gibraltar 1043 ARQhM2 96/340 2 chan tdm, 4crc. Chan:A and B betas. No tfc. (DW)
9067.6 GYU:  RN Gibraltar 1120 VFT Chan 7 in vft. Unid mode 170bd syn, 85bd async. ACF99. (DW)
9090.5 Italian MFA, Rome 0806 ARQ 5LGs "da maeroma" to various Emb/Cons (MC)
9107  Romanian Embassy, Loc? 0640 ROU-FEC 218.3bd/400 crypto (MC)
9130  MGJ Faslane? UK. 2030 RTTY 75/850 RN availability message. (frec previously occupied by MTO and GYA - New station on the freq or same station with new callsign ???) (AB3) (see Ary's Digital column this month -LOGS) MGJ:  RN Faslane,G 1710 RTTY 75b QSX mkr. (RK)
9145  Italian MFA, Rome 0758 ARQ-E 96bd/170 5LGs to many European embassies. (MC)
9145  D4B:  Amilcar Radio, Cape Verde 2246 RTTY 50 ry. poor signal but definite id.first time heard. 10730 miles away! (EW) D4B:  Sal Cape Verde Is. 0545 RTTY 50/867 RY (AFTN cct to Santa Maria). (CC)
9155.5 Unid:  French Diplo? 1830 TT2300b 100bd (MC)
9179.5 HBD20/1:  Swiss MFA, Berne 1700 ARQ 5LGs ending "hbd20/1 ?" (MC)
9204.9 Unid:  Russian PTT, 1545 QPSK 1280bps (MC)
9226 1250 VFT Two channel piccolo vft on USB. (DW)
9226.5 UNID:  1252 PICCOLO Eng channel in vft. Idle. (DW)
9265 Russian Diplo 1600 CROWD-36 (MC)
9318  NRK:  Ucn Keflavik 1805 FAX 120/576 sat pic (BVR)
9322.8 RFFXI:  French Forces Bangui 2143 ARQ-E 72/425 on circuit XZI (Bangui to Versailles) on this priv unk freq, thanks to Day Watson for the
WUN-v02

9323  RFFXI: FF BANGUI 2348 ARQ-E 72/400 Betas. Cct [XZ1]. Header "~FEDCS de RFFXI" tfc in French. SVC with text ".zic xzi059 zid xzi054" (last sent last received). (DW)

9329.4 VNA: VNA news Hanoi, Vietnam 1241 RTTY 50 EE news (EW)

9340  UZB: Tashkent Meteo Uzbekistan 1218 FAX 120 very good wx map (EW)

9983.2 Unid: 1549 ARQ sign-off "20040 cdpd1 $" (MC) (cud be CSP-40, Portuguese State Police -LOGS)

9994  CSY: Santa Maria Azores 1753 RTTY 50/850 AFTN traffic (AB3)

10031.7 EGYPTIAN EMB SANTIAGO 2038 ARQ Tfc to Khargia Cairo in offline encrypt. (DW)

10117  BAF 4: Beijing Radio 1045 FAX 120 wx maps (EW)

10129  RBX73: Taskkent Meteo Radio 1422 RTTY 50 wx rpts (EW)

10132  TNL: Asecna Radio, Congo 2224 RTTY 50 wx. hdr fsa 456 metar rpts etc. (EW)

10154.3 DOR***: Bulgarian MFA, Sofia 0649 RTTY 75/500 Call-up "olg olg olg qap" then into ASCII-ARQ (MC)

10158  MFA SOFIA ? 1410 CW also 75bd RTTY, 300bd IRA-ARQ? /CW. Hrd only AG9C, working CW. withI2B1, IAT5, 2MBT. (DW)

10160  V5G: MFA BUCHAREST 2003 ROU-FC 164.5/400 Tfc on line encrypted. (DW)

10170.3 UNID: 1240 RTTY 50 wx rpts no id but definitely Asia (EW)

10171  Unid: Russian PTT 0625 OQPSK 1280bps UNID System (MC)

10175  UNHCR Nema, Mauritania 1300 ARQ wkg/Nouakchott w/three convoy coordination msgS (ANEE)

10211.7 MFA Cairo 1600 ARQ w/unid Embassy til 1645 (ANEE)

10213  CNM29: MAP News, Rabat 1720 RTTY 50/400 NX in French (MC)

10215  HZN: Jeddah Air Radio, Saudi Arabia 1230 RTTY 100 many wx reports (5 lg's). (EW)

10250  MADRID MET 1048 FAX 120/576 Tropopause chart for N and S Atlantic, Europe, Africa and S America. (Dw)

10281  RFLI: Fort de France Martinique 0735 ARQhE3 196/400 Fr Forces Idles

10298.7 HSW61: Bangkok Air Radio, Thailand 1237 RTTY 50 wx rpts (EW)

10384.4 5YE: Nairobi Radio, Kenya 1242 RTTY 50 wx reports (5LG's). (EW)

10391.7 Egyptian Emb, loc? 1541 ARQ 100/170 5LGs and ATUh80 "jg cfkydp kds kjdkqor" (MC)

10410  KUL: Moscow Russia 0715 RTTY 75/400 "brotherhood" KUL/646464 tape closed at 0720 (AB3) (Ary sez this is SOUD Moscow with a msg TO KUL-LOGS)

10412  RFFXL: FF Naquora Radio, Lebanon 1419 ARQ-E 72 idle (EW)

10415  SNN299: Polish MFA, Warsaw 0709 RTTY 75/225 "cq1 snn299 warszawa" and MFA computer MSG listings (MC)

10422.5 Unid: 0708 ARQ-S GG text then cipher. (CC) (probably MFA Vienna here in this mode -LOGS)

10423 VMA20: Ankara Meteo Radio, Turkey 1407 RTTY 50 wx rpts (EW)

10491.7 MFA Cairo 0815 ARQ w/unid Egyptian Embassy 5lgs, no ident whatsoever-abnormal (ANEE)

10493.7 RFT3F: FF Port Bouet, Ivory Coast 2334 ARQ-E 48 idle no id (EW)

10521.7 RFLI: FF Martinique 2336 ARQ-E 192 idle CdeV at 2341 (EW)

10535.8 CFH: Halifax Naval, Canada 1432 RTTY wx and traffic (RT2)

10551.3 GPL23: Bracknell Meteo, G 2057 RTTY in 75/425 meteo reports. (RB)

10600  VNA: News Radio, Hanoi 1407 RTTY 50 FF news (EW)

10614.5 Unid: 0740 VFT 2ch of Piccolo-6, eng. ch idle (MC)

10615.9 Unid: 0741 VFT 2ch of Piccolo-6, crypto tfc (MC)

10686  9DM17: Teheran Meteo Radio, Iran 1445 RTTY 50 wx rpts (EW)

10692.5 Abuja, NIG 1640 ARQ sx En tfx, msg FROM: PUBLIC AFFAIRS DEPARTMENT NECON HQRTS.ABUJA TO: ALL PUBLIC B AFFAIRS S.. (RK)

10749.3 C37A: MOSSAD Tel Aviv 1404 ARQ-E 288 encrypted text (EW)

10801.7 Unid 1611 ARQ s/off with bekliyorum@@@ zzz zaza (BvR)

10847  NAM: Norfolk, VA 1913 FAX 120/576 wx map (RT2) (now NAA in Cutler, Me -LOGS)

10873.7 RFVZ: FF Le Port, Reunion 2226 ARQ-E3 100 idle no id (EW)

10890  GXQ: RN LONDON 1958 VFT 8 channel DCN interleaved vft on USB. Channels 1 and 2 idle. (DW)

10891.2 GXQ: RN LONDON 2001 VFT Channel 2 w/RTTY 50/340 in vft. RYI's, qbf figs "test de GXQ". (DW)

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10891.4 GXQ: RN LONDON 2004 VFT Channel 3 w/RTTY 50/340 in vft. RYIs, qbf figs "test de GXQ". (DW)

10912 SNN299: Polish MFA, Warsaw 1731 POL-ARQ 100/230 5LGs (MC)

10918 RFTJ: Dakar Senegal 0725 ARQ-E 48/400 French Forces - Idles (AB3)

10946.4 CFH: Halifax Naval Radio, Canada 2035 RTTY 75/850 Canforce (RT2)

10955 UNID: 2348 ARQ-E 48 idled for over an hour no id no tfc. (EW)

10962.2 FKW: FAF Sarajevo, BIH 1700 ARQ-M2 200b 'FKWB...' FPL msgs. (RK)

10971 HBD20 Berne 1222 ARQ 5lg's. (ED)

10980 RDD79: Moscow Meteo Radio 1401 FAX 90 wx map (EW)

11017 RPFN: PNY Monsanto, POR 1500 RTTY 50b TQBF/RY/SG clg RPTI DE RPFN. (RK)

11030 AXM34: MELBOURNE MET 1450 FAX 120/576 Text - current warning issued by Darwin RMS - contains advice of gales issued by Tokyo. 500 hpa fcst chart. Has note "Update - 1 March 1996 - new schedule starts 5 March - check 0045 UTC note" (DW)

11034.7 Egyptian MFA, Cairo 1638 ARQ ATUh80 MSGs to Abu Dhabi, Doha, Beirut, Tunis. (MC)

11044.6 P6Z: MFA Paris, France 1950 FEC-A Idling (RT2)

11105 BELGIAN EMB CAIRO ? 0750 VFT 6028 "Barry" vft with 6 of 7 possible channels (ch:2 missing). (DW)

11106.8 BELGIAN EMB ? 0745 Ch.4 w/RTTY 100/170 in 6028 type vft. vri weak sigs. Odd snatches of off-line encrypted tfc & page numbering. At 0752 Chan:4 w/RTTY 100/170 in VFT. Tfc in offline encrypt (5LG's) in pages "eg "Page 10". Header "pr kairo sleulel 25 3.96 ambabel nairobi a belexthbru 225 van 22 3.96. code" then encryption (DW)

11109.5 Saudi National Guard, ARS 1609 ARShGUARD 125/120 ACF=48 or 96. (MC)

11119 USAF AWS Omaha NE 2001 RTTY 75b sending wx reports. (DW)

11164 MFA SOFIA ? 1103 RTTY 75/400 Operator exchanges. Sends msg opening 5LG's then 'bdbdbd' string thereafter online encryption. Offair. (DW)

11414.8 Unid: 0658 TT23000b 100bd idle (MC)

11421.7 Unid: Chinese Diplo? 1604 4+4 (MC)

11428.8 Unid: 1410 RTTY 50/225 'I' Marker (RT2)

11456.5 Unid: 1213 PSK 2400bps UNID System (MC)

11467.7 Egyptian diplo 1730 ARQ atu a tfc (BVR)

11485 AOK: Usn Rota 1525 FAX 120/576 surface pressure fnmoc 96 h fcst (BVR)

11500.6 Unid: 1810 RTTY 850 SensRev (RT2)

11536.5 German Diplo? 1025 RS-ARQ 228.5 cannot decode (EW)

11551.7 MKK: Royal Air Force, London 0701 VFT 16ch of 50bd/170 Baudot, "tryiry.... test de mkk" DCN (MC)

12065 VHC: RAN BELCONNEN 1704 VFT Two channel piccolo vft on USB. (DW)

12065.5 VHC: RAN BELCONNEN 1707 VFT Eng chan w/piccolo in vft. "1710z GHF de vrc rzg zk kkh2". "1713z GHF de vrc ga on f4 f4 f4 kkh2". "1714z GHF de vrc int last ??? kkh2". "1715z GHF de vrc zm will pass to g kkh2". (DW)

12065.9 VHC: RAN BELCONNEN 1705 VFT Piccolo channel in vft. On line encrypted. (DW)

12098.1 Unid: 1925 RTTY 75/870 Sense? (RT2)

12125 SNN299: Polish MFA, Warsaw 1547 POL-ARQ 100/250 Press review in Polish (MC)

12138.2 DOR***: Bulgarian MFA, Sofia 0701 RTTY 75/500 "gub pse zal 1024" call-up for Emb. Damascus (MC)

12152 GXQ: RN LONDON 1259 VFT DCN 8 channel interleaved vft on usb. (DW)

12152.5 GXQ: RN LONDON 1338 VFT (Eng) channel 1 w/RTTY 50/340 in vft. Idle. At 1502z "de GXQ plse to qsy the yels to the 7770 zub 1502z" (7770 is a GYU frequancy). (DW)

12152.7 GXQ: RN LONDON 1302 VFT Channel 2 w/RTTY 75/340 in vft. ACF7. Online encrypted. (DW)

12153.4 GXQ: RN LONDON 1305 VFT Channel 4 w/RTTY 75/340 in vft. ACF7. On line encrypted. (DW)

12153.9 GXQ: RN LONDON 1308 VFT Channel 5 w/ARQ-M2 96/340 in vft. TDM 2 chan 4CRC. Chan A: idling on figshifts/linefeeds. Chan B: idling on betas/#'s. Poor sync. (DW)

12154.1 GXQ: RN LONDON 1317 VFT Channel 6 in vft. Active - speed/mode indeterminate. (DW)

12154.6 GXQ: RN LONDON 1323 VFT Channel 7 w/ARQ-M2 96/340 in vft. TDM 2 chan 4CRC. Ch A: Met tfc. Chan B: alphas. Chan A suggests, with much EGRR/Bracknell originated tfc station is MKK or GXQ to GYU. (DW)
RKB: Moscow 1830 FAX 120/576 meteo wx chart (BvR)

MFA SOFIA 0950 RTTY 150/500 diplo news in Bulgarian p/l, // 8099.27. Followed by EE news. (Dw)

Soud STN: 1455 RTTY 75/500 Tfc in offline (5LG's) encrypt. Headers "11177 00125 19468 01283 01969". (Dw)

MFA SOFIA 0805 IRA-ARQ 300/400 Encrypted tfc. ACF11. 24 character bursts. Each burst starts with character "m" irrespective of parity setting. (Dw)

BZR62: XINHUA BEIJING 1508 RTTY 75/400 English press. (Dw)

Unid: UN? 0717 PACTORhU 200/200 operator chatter in EE (MC)

Italian MFA, Rome 1428 ARQhE 96/170 5LGs "da maeroma" "tx ambvars". (E. Warsaw) (MC)

Unid: German Diplo? 1523 MERLIN 228.7bd/170 tcf (MC)

5BUFF: M/V Jodie D. 2101 ARQ cargo ship, w/tlx re ship repairs completed during voyage, login 00574 5BUFF. (RB) KNJI: SS Manulani 0202 ARQ svc to: Globe W. GE crashed, had to reboot windows, lost all files. (Whats new buddy?) ELOE9: M/V DSR Rostock 2348 ARQ w/tlx 3753N 1455W. WLV: Lurline 2220 ARQ w/svc to: GLOBE reporting system crash. IBPI: M/V Raffaeile Iuliano 2233 ARQ am/vpr 703N 15044W. (WT)

G6KY5: Zim Santos 1657 ARQ AMVER/PR 25.46N/80.05W. (AB2) 9HL: M/V Mediteran Frigo 2053 ARQ w/crew Tg to Philippines, login 26460 MEDFRI. PESF: Holland Clipper 2102 ARQ w/AMVER/PR, login 81755 PESF. (RB)

WJLP: SS Solar 0102 ARQ wkg unk shore stn. (JEB)

3FLN3: M/T Nereo 1649 ARQ w/AMVER/PR. J8FK6: M/V Biograd 2126 ARQ w/tlx to 'Plovidba Sibenik', vs1 bound Long Beach, Portland & Vancouver. BPEZ: M/V Hua Nan 2337 ARQ Chinese flagged cargo ship w/tlx for ETA Balboa, login 20236 BPEZ. (RB) WRK5847: Coast Runner 1917 ARQ w/msg getting dodger tickets? (WT)

9GYS: M/V Volta River 1820 ARQ w/tlx for repairs done to ship/repairs completed. WEHV: SS Overseas Alaska 2148 ARQ w/tlx re film crew to be on board. KNJX: SS Chelsea 2235 ARQ w/tlx for ETA Lake Charles, departed Port Everglades, login 10725 KCNX. (RB) WXBL: M/T Potomac Trader 1829 ARQ w/qrg rpt login 11180 wxbl. (WT)

KNOLO: SS Manukai 1840 ARQ w/bbxx (WT)

3EJO9: M/C Maria Laura 1730 ARQ w/tlx for ETA Cape Fear. (RB)

EAFT: bulker Juana Tapias 1153 ARQ psn rpt with ETA for Novorossiysk. (HOOOD)

C6G9B8: MV Forest Hills 1151 ARQ with ETA for Hampton Roads login 29496 FHILLS. (HOOOD) LXVC: M/V Crystal Privilege 1737 ARQ w/svc msg to RFL/NZ after sending sselcall QSPV, SAB, Goteborg Radio, login 29066 LXVC. (RB)

YQEP: M/V Birlad 0223 ARQ w/tlx (WT)

J8KS6: M/V Oris 0013 ARQ w/posn tlx, 5306S/0732W. (RB)

EDW: Sergey Lemesheyev 1615 ARQ crew Tg's. (AB2)

LCRA?: M/N Libra Rio 2338 ARQ w/SS tlx via Valparaiso Radio, c/s may have been LCWF, this is ex-Nacional Rio, PPWF, login still 01000 NACRIO. (RB)

SQGX: RQ M/V Atol 0115 ARQ cgo lst to "Szina Portnova". (JEB)

P3LZ: M/V Amani 0029 ARQ w/tlx in ?? login 56373 amani. (WT)

3EAW7: M/V Pacific Rider 2350 ARQ w/tlx eta Cristobal. (WT)

LCAL?: M/V Bel Azur 2204 ARQ w/tlx to Oldendorf Asia, login 02754 BELA. (RB)

P3EJ4: M/T Ohio 0103 ARQ w/SHIPREP/ PR (AMVER), posn 1226S/0775W. KNJI: SS Manulani 0113 ARQ container ship, w/BBXX wx obs. (RB)

P3L5T: M/V Velos 0213 ARQ rx only login 00598 p3lt5. (WT)

P3GR3: M/V Filoktitus 0110 ARQ w/tlx eta Lagos. SVZI: Pal Falcon 0037 ARQ w/tlx. (WT)

P3CR6: MV Akademikis Zavarickis 1135 ARQ with svc msg. login 00501 ZAVA .Vsl is ex YLDA. (HOOOD)

EWAH: TR Marshal Malinovskiy 0110 RTTY 50/170 RR Tg's to Vladivostok.
12560  J8LU6: TKH Vitaliy Federov 2026 RTTY in 50/170 RYRY/DE, & into crew TG's. (RB)
12561  DQFV: M/V DSR-America 1645 FEC w/list of ships, posn's & status, including non-DSR vsl's. (GB)
12561.5 UNNI: RTMS Chernyashev 1620 RTTY in 50/170 crew TG's (KLD/MRH). UTYZ: TKH Kremenchug 1654 RTTY in 50/170 crew TG's to Odessa Radio & w/same for ELSK3, TKH Deputat Latskiy & ENUR, TKH Stakhanovets Petroch abrev as St Petach. (RB)
12562  UOMC: BATM Tumanh2 1805 RTTY in 50/170 crew TG's using hull#/ID BATMh0274 (SPB/KRH). UOUV: TKH Novodruzhsk 2034 RTTY in 50/170 tfc being sent for UOUW, TKH Nikolaevsk to St Petersburg Radio. (RB)
12562.5 UHIV: RTMA Al'ma 1700 RTTY in 50/170 admin tfc to Odessa Radio. (RB)
12563  UVJO?: MAh1832 1556 RTTY in 50/170 admin tfc to Murmansk Tralflot, from master KM Mikhaina, may have used c/s UVJO in msg. UCBD: BMRT Kronshtadt 1606 RTTY 50/170 (MRM/KRH) RYRY/DE to UDK2, & into TG's to Murmansk using hull#/ID MB-0356, is ex-UUOV. UUIV: RKTS General Petrov 1658 RTTY in 50/170 crew TG's to Sevastopol Radio (SVS/MRH). (RB)
12563.5 UIMY: RTMAhPeredov 0640 RTTY 50/170 RR Fish catch rpt. (JEB) USLB: RTMA Orlinoe 1725 RTTY in 50/170 crew TG's to Sevastopol (SVS/MRH). P3BJ6: Tai Tai 1801 ARQ w/tlx to Agencia Maritima Mexicana Veracruz for 3 day notice, login 29456 TAI. (RB)
12564  UTSS: TB Yarkiy Luch 1755 RTTY in 50/170 RYRY/DE to UIW, & w/crew TG's to same. (KLD/UTF) UFXV: PPR Navigator 1837 RTTY in 50/170 RYRY/DE to UDK-2, into crew TG's using hull#/ID MA-0828, this is the ex-EXSD. (RB)
12564.5 USJZ: PB Sergey Vasilisin 1335 RTTY 50/170 wkd UDK2 crew TGs and OBS rpt (to MURMANSK POGODA) from Km Podgayskiy. (HOOD) UALLY: RTMS Zvezda 1642 RTTY in 50/170 RYRY/DE to UIW, & into crew TG's to same, K-grad, c/s was URRD. USJZ: PB Sergey Vasilisin 1824 RTTY in 50/170 RYRY/DE to Murmansk Radio. UALL: RTMA Evrika 2155 RTTY in 50/170 crew TG's to Murmansk Radio. (RB)
12565  N/A: MIh1411 1644 RTTY in 50/170 crew TG's to Murmansk using hull#/ID only, name, c/s of vsl is unk. UVJA: Kapitan Bogomolov 1758 RTTY in 50/170 crew TG's using hull#/ID MA-1831 (MRM/KRH). (RB) UUGS: MB-0127 MRM/KRH,RUS 1230 RTTY 50b 3cyr msgs. (RK) (BMRT Nokuev -LOGS) UIAE: MB-0005 MRM/KRH,RUS 1245 RTTY 50b 3cyr msgs. (RK) (BMRT Ivan Zimakov -LOGS)
12565.5 UBKS: RTMS Sokrat 1648 RTTY in 50/170 RYRY/DE to UIW, & into admin TG's from master KMD Shcherbakov w/ref to hull#/ID RTMSh7555. LYLN: RTMKS Daukantas 1813 RTTY in 50/170 RYRY/DE to LYL, & into crew TG's, is ex-RTMKS Simonas Daukantas. (RB)
12567  UCHV: Inzhener Yermoshkin 1533 RTTY in 50/170 crew TG's to Murmansk using hull#/ID MI-1527, (MRM/KRH), is app exhUTWA. (RB)
12569.5 UVKKG RTMS Stratosfera 1648 RTTY 50/170 crew TGs to URL/Sevastopol Vsl

12570.4 Unid: 2110 RTTY 50/1036 (RT2)

12570.5 UHUZ: RTMA Nikolay Brovtsev 2156 RTTY in 50/170 crew TG's. (KLD/UTF) (RB)

12571. UTQZ: TH Evgeniy Onufriev 1709 ARQ psn rpt from Km Tsyrelnikov via UCE/Arkhangelsk. Vsl is gen cargo/timber carrier of Northern Shipping Co, Arkhangelsk. UQGX: TH Cherepovets 0825 ARQ psn rpt (anchored Kaliningrad Roads for loading woodpulp) via UCE/Arkhangelsk. (HOOD)

12571.5 UFZJ: RTMS Azimut 1852 RTTY in 50/170 RYRY/DE to UIW, & into tlx w/crew passport info from master Kap. Nikolay Lopatin. UWBS: RKTS Nikolay Fil'chenkov 2200 RTTY in 50/170 crew TG's to Sevastopol rdo. (RB)


12572.5 EOJF: RTMS Bagrationovsk 1710 RTTY stern trawler, in 50/170 admin TG's to Kaliningrad Radio from master, KMD Panikov. UAMB: BMRT Kokand 1724 RTTY in 50/170 RYRY/DE to UIW, & into admin TG's from master KMD Stalikov, this is apparently the ex-LYIR. YLGK: TR Kapteinis Kulinchis 2153 RTTY in 50/170 crew TG's to Riga Radio. (RB)

12573. UQYZ: TKH Pavloydar 2025 RTTY in 50/170 admin TG's to Vladivostok R. from master, KM Zozulya. (RB)


12575.5 3FKX4: TR Ref Star 1635 RTTY in 50/170 crew TG's to Kaliningrad. (RB)

12576. UH3L: TSM Olayne 2039 RTTY in 50/170 crew TG's (MRM/KRH) had been homported at Riga. (RB)

12584.5 WLO: Mobile Radio,AL 2005 FEC wx in FF...not confirmed. (RT2)

12593.5 9VGB81: Singapore R.,SNG 1659 ARQ "9VG" IDent mkr. (RK)

12608. UAT: Moskva R.,RUS 1455 ARQ DE UAT mkr. (RK)

12664.2 FUM: French Navy Papeete, 0113 RTTY Tahiti 75/850 RYRY/DE. (RB)

12691. FUX: Le Port, Reunion 1815 RTTY 75b/850 test tape, RY's & SG's. (JD2)

12735. URL: Sevastopol Radio 1846 RTTY 50/170 tcf (in EE) from Barcelona for MV Molodaya Gvardiya. (HOOD)

12748. Unid: 1535 FAX USCG quality (RT2)

12921. MGJ: Faslane Naval base, Scotland 1200 RTTY 75b/340 CARB (1 channel of an FDM aggregate replacing MTO which has now ceased transmission). (JD2)

13031.2 FUF: Fort de France, Martinique 1815 RTTY 75b/850 test tape, RY's & SG's. (JD2)

13042.5 FUV: Djibouti 1815 RTTY 75b/850 test tape, RY's & SG's, 8-1/2 bit baudot: looks like 1-1/2 bits 'start', 2 bits 'stop'; difficult to copy. (JD2)

13241. Unid: 0930 ARQ poss encrypted til 1000 (ANee)

13314.6 Unid: N.Korean Diplo? 0626 BPSK 1200bps UNID System (MC)

13347.7 Egyptian general intel office, Cairo 1000 ARQ to ?? w/peace process update. Kuwait, Amman and Rabat normally served on this circuit. (ANee)

13349.3 Unid: 2209 unid off before any baud rate found. (RB)

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13366.5 SYD: NAIROBI AIR 1631 RTTY 50/400 Air tfc. Cct [KVA] to Addis Ababa. 230hz high. (DW)
13373.4 SYD: NAIROBI AIR 1636 RTTY 50/400 Marker "de SYD SYD SYD" and ry's. 50hz low. (DW)
13378.7 Egyptian MFA, Cairo 1437 ARQ 100/170 ATU-80 MSGs to Algiers "kdgiket". (MC)
13388.5 MFA Rome 0730 ARQ wkg/Italian Embassy Sanaa and from Italian Embassy Tel Aviv; copies to many mideast embassies til 0900 (ANEE) Italian MFA, Rome 0727 ARQ 100/170 5LGs to Middle Eastern Emb's "da maeroma" (MC)
13397 DFZG**: Serbian MFA, Belgrade 0645 RTTY 75/400 crypto after "xjxjxjxjxjxj" (MC)
13401.7 MFA Cairo 1000 ARQ (ANEE) Unid: Egyptian MFA, Cairo 1451 ARQ ATU-80 MSGs to various european embassies (MC)
13419 6XMB: BNDVB BONN 1249 ARQ-E 288/200 On line encrypted tfc. (DW)
13425.7 MFA ALGIERS 1422 COQ-8 26.6 tfc in French p/l to Moscow directly or relayed ? (jerle). Attempting work Ankara, then Berne. (DW)
13438.6 DG43H1: PIAB BONN 1004 ARQhE 96/400 Press in German to midhEast, but poor copy. (DW)
13444.2 RFQP: FF DJIBOUTI 1707 ARQhE3 100/400 Betas. 1713z Controle de voie RFQP de RFQP. Cct [DJI]. 1728z second c de v svc - vri slow transfer. (DW) RFQP: FNY Djibouti,DJI 1330 ARQhE3 100b 'DJI...' CONTROLE DE VOIE. (RK)
13486.7 MFA Cairo 0915 ARQ-E 100/400 Betas. 1713z Controle de voie RFQP de RFQP. Cct [DJI]. 1728z second c de v svc - vri slow transfer. (DW) RFQP: FNY Djibouti,DJI 1330 ARQ-E 100b 'DJI...' CONTROLE DE VOIE. (RK)
13509.8 CFH: Halifax Naval, CAN 1415 RTTY wx & traffic (RT2)
13543 RAU***: SOUD Station? 0725 RTTY 75/500 "rau 2/1402" ID "11177 00030 00000 02015 06659" (MC) (Ary sez this is SOUD Moscow w/a msg TO RAU hLOGS)
13545.1 PCW 1: Mfa Den Haag 1530 TWINPLEX 100 mgs to Tehran (BvR)
13565 Unid: 0814 81-81 cannot decode (EW)
13580.7 GXQ: Royal Navy, London 0634 VFT 5ch of 50bd/170 Baudot, "ryiryi... test de gxq" DCN VFT (MC)
13584 Unid: Romanian? 1332 ROUhFEC 164.4/400 crypto (MC)
13588 RAU***: SOUD Station? 0725 RTTY 75/500 "rau 2/1402" ID "11177 00030 00000 02015 06659" (MC) (Ary sez this is SOUD Moscow w/a msg TO RAU -LOGS)
13928.7 DOR***: Bulgarian MFA, Sofia 0820 RTTY 75/500 "ryryry... gd zoh 3 dum1 5225" and tfc to Prague (MC)
13933.3 DOR***: Bulgarian MFA, Sofia 0845 RTTY 150/500 NX in Bulgarian (MC)
13957 SNN299 Warsaw 1541 POL-ARQ 100/200 5 CRC, brief pol. msg. (ED)
13966.4 IRC: Baku 0635 PACCTOR-IL 200/200 MSGs to Geneva in FF & EE. (MC)
14082.8 KG4GC: Guantanamo Bay, Cuba 0803 RTTY 170/500 ('CLOSED') (RT2)
14085.9 K3KO: Voitsburg, PA 2327 RTTY 45/170 chat (RT2)
14092.5 K5VNG: Islip, NY 2150 RTTY 45/170 chat (RT2)
14095.1 W2AV: ARRL Newington, CT 2318 RTTY 45/170 w/news of explosion in Appleton,WI (RT2)
14364 Unid: SOUD Station? 1341 RTTY 75/500 Baudot, 5LGs on link id "20087" (MC)
14376 MFA SOFIA 1423 RTTY 75/500 Diplo press summary in Bulgarian. Opr signals & offline (SPG's) encrypted tfc. Various opr signals. Further tfc in Bulgarian p/l. (DW)
14411 Unid: ?,RUS 0703 36-59 50/200 tfc (MC)
14434.5 7RA20: MOI Alger,ALG 1330 RTTY 50b Fr and ATU-AR msg. (RK)
14476.1 Belgian MFA, Brussels 1105 VFT 6ch of 100bd/170 Baudot, MSGs in FF. (MC)
14583 JTF23: Ulan Bator Mongolia 0715 RTTY 50/606 Diplo tfc to OMZ24 Prague in Mogolian Lang. (AB3)
14593 MTS: Mt Pleasant, Falkland Isl 1800 PICC-6 wkg MKK. (JD2)
14610.5 Unid: French Diplo? 1551 TT2300b 100bd idle (MC)
14643.7 Unid: 0536 TWINPLEX 100 Unid EE msgs (BVR) 4U: UNO, Geneva 1236 TWINPLEX-1w 100/170 United Nations NX review in EE (MC)
14645.7 Egyptian E, Khartoum 1620 ARQ 5LGs and ATU-80 MSGs to MFA Cairo. (MC)
14732 Warsaw 1502 POL-ARQ 100/170 5 CRC, msg. to Lagos. (ED)
14760.8 CNM61: Rabat, Morocco 1245 RTTY 50/400 News (RT2)
14830 SOUD (RUS) 1455 RTTY 75b 11177 00030 20365 17731 ..... 5L msg. (RK) (Ary sez c/s of the sender is BFR, receiver is RGA -LOGS)
14912.5 SPW: Warsaw Radio, Warsaw 1413 FEC Marine traffic lists "tfc-lista"
14990.7 MFA ISLAMABAD ? 1031 TWINPLEX 100 -300/-100/100/300. F7b-1. Stn in irs mode, also at 0752, 1112, 1132. (DW)

15036.2 Unid: Russian Mil,? 0727 MS5 12 tone vocoder (3300Hz pilot) (MC)

15541.7 Egyptian diplo 1606 ARQ atu a tfc (BVR)

15730.2 Unid: ARQ UTC? sc tvpk (BVR) (probably MFA Den Haag -LOGS)

15744 XVN: Hanoi, Vietnam 0630 RTTY 50/311 VNA new EE (AB3)

15757 SNN299: MFA Warsaw 0815 POL-ARQ 100 msgs in polish lang (EW)

15981.7 EgyEmb Washington DC,USA 1717 ARQ 5L msgs to KHARGIA Cairo. (RK)

15994 UNID: 0815 FAX 120 poor wx map no id. (EW)

16015.7 MFA SOFIA 1031 RTTY 150/500 Diplo news in English. (DW)

16017.7 MFA SOFIA 1008 RTTY 150/500 Messages and nx in Bulgarian p/l. (DW)

16032 Unid: 0822 FAX 120 wx map, no id. (EW)

16035 Unid: 0815 FAX 120 wx map, no id. (EW)

9VF252: Singapore 1655 FAX 120/576 KYODO press in JJ. (JD2)

16117 6VK317: PANA Dakar, SEN 1604 RTTY in 50/425 FF nx stories, later into EE items. (RB) 6VK317: PANA Dakar, SEN 1003 RTTY 50b Fr NX. (RK)

16119.9 HBD20/7: MFA BERN 1150 ARQ Tfc in offline (5LG's) encrypt. After period of betas signs HBD20/7 and offair. (DW)

16120.7 6VK317: Dakar, Senegal 1630 RTTY 50/850 QTY S9 w/news in unid lang. (RT2)

16146 Unid: Cuba? 2010 RTTY 50/425 News SS (AB3)

16158.1 Unid Cuba 1723 RTTY 50/500, Minrex press from Latin Am. (ED)

16205 MKK: RAF Bampton, G (tx at Stanbridge) 1800 PICCh6 wkg MTS. (JD2)

16213 DKAR**: French E, Dakar 0937 ARQ6-90 200/400 5LGs (MC) DKAR: UNID Dakar, SEN 1733 ARQh6/90 250b DKRX DE DKAR, SV DIPL 5L msgs. (RK)

16268 German Embassy La Paz, Bolivia 1245 ARQ-E 96 wkg/MFA Bonn til 1330 (ANEEM)

16273.6 MFA ALGIERS 1420 COQh8 26.6 Tfc in ATU80. Fading. (DW)

16327.7 Egyptian Embas: sy, Unid loc. 2303 ARQ sending 5LG's. (RB)

16332 V5G***: Romanian MFA, Bucharest 1048 ROU-FACT 164.5/400 crypto (MC)

16386.7 Unid: 1334 ARQ sc yoxc kmeu (BVR)

16386.7 Mfa Islamabad 1349 TWINPLEX 100 eng nx (BVR)

16386.7 PAKISTAN EMB RABAT 1037 TWINPLEX 100 -300/-85/85/600 (old system). F7b-1. Stn in irs mode. Swaps to iss. Offline encrypted tfc. opr chat in EE. Betas. Offair new qso offline encrpt. Singned Parep ra~f~at” (Rabat?). (DW)

16494.7 9HYN3: M/T Chance 1609 ARQ ship 63398 in irs mode unknown qsx (BVR)

16501.7 MFA Cairo, EGY 1430 ARQ EE msg, to DKR/ABJ. (RK)

16551.7 Unid: 1630 ARQ sc tvxx txvx vxv (BVR)

16551.8 Unid: 1553 ARQ Intership commns, at 1542 sc tvxx (BVR)

16671.8 Unid: 1545 ARQ sc tvxx (BVR)

16683.5 YLVB: M/T Lielupe 1642 ARQ w/test msg to Riga via "Amos Link", login 24659 LIEL (Chg of c/s?). (RB)

16685.5 SUCD: MW Alwadi Al Gadeed 0002 ARQ tlx in ?? login 78001 suc. (WT)

16686.5 RRL2: M/V Joyous World 2057 ARQ on her maiden transition to Cristobal (app via Panama canal), vsl is 69,286 DWT w/cargo of soybeans & corn. (RB)

16687.5 3EAW7: M/V Pacific Rider 2213 ARQ rx only. login 42593 3eaw7. (WT)

16692 LAEK4: M/V Chilean Reefer 1702 ARQ w/tlx re ETA Cristobal. (RB)

16693.5 ELOI6: M/T Knock Allian 1804 ARQ w/AMVER/PR vsl route Sabine Pass, Tx to Malongo, Angola. (RB)

16696.5 9HY3N3: M/T Chance 1720 ARQ w/AMVER/PR to 'AMVER New York', selcall 63398. (RB)

16697 YQEP: M/V Birlad 2116 ARQ w/tlx to General Steamship, Houston, login 29123 YQEP. (RB)

16699.5 P3FG4: Aghia Markella 1556 ARQ tfc for Evakend Shipping. (AB2) UBLA: TKH Mekanik Slauta 1619 ARQ w/crew list telex, login 54970 UBLA. UWXK: M/T Kapitan Ostashevski 2128 ARQ w/tlx to Boston after sending selcall QSPV, SAB, Goteborg Radio, login 54969 UWXK. (RB)

16702 ELGF9: Nedlloyd Curacao 1855 ARQ posrep, 15.36N/96.26W, selcall 63398. (RB)

16703 3EY86: M/V Kudu 1809 ARQ w/status tlx. (RB)

16705 PPML: M/V Frotaichle 1802 ARQ w/tlx for revised ETA due to gale force winds/heavy seas being encountered. (RB)

16706.5 KDBG: M/V Manoa 0356 ARQ w/qrg rpt. (WT)

16707.5 SXHP: M/V Jewel-l 1639 ARQ wkg SVU, Athens Radio, w"/SVU DE SXHP QRV+?". (RB)

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16708.5 EWDT: TH Khudozhnik Moor 1708 ARQ w/crew info tlx (26 crew) via St Lys Radio, login 55136 EWDT. (RB)

16713.5 SXRY: M/V Angelic Faith 1754 ARQ w/tlx via WLO, login 16728 SXRY.

16791.5 Unid 0211 ARQ News EE (AB3)

16793 Unid PHL ships 1603 FEC EE nx (BvR) UTKU: BMRT Mys Frunze 1617 RTTY in 50/170 w/crew TG's to Murmansk using hull#/ID MBh0389. (RB)

16796 ENUR: TH Stakhanovets Petrach ODS,UKR 1433 RTTY 50b msgs to UUI, noon posn 23N36/42W.3. (RK)

16798 UGMS: RTMS Kapitan Smelov 1718 RTTY in 50/170 admin msgs from, master KMD Safonov. UCBW: RTMS Nikifor Pavlov 1732 RTTY in 50/170 RYRY/DE to UGW, & w/admin TG's to Novorossiysk Radio, including wx. (NVR/KRH) (RB)

16800.5 UQTD: BKRT Nataliya Kovshova 1400 RTTY 50b 3cyr msgs. (RK)

16801.5 UEMG: RTMSh7563 Malta KLD,RUS 1344 RTTY 50b 3cyr msgs. (RK)

16802.5 UJMU: TR Dimants 1602 RTTY in 50/170 admin tfc to Riga Radio from master KM Fokin. (RB)

16804.9 FUJ: Djibouti 1050 RTTY 75b/850 test tape, RY's & SG's, 8-1/2 bit baudot; looks like 1-1/2 bits "start", 2 bits "stop"; difficult to copy. (JD2)

16904.9 FUX: Le Port, Reunion 1055 RTTY 75b/850 test tape, RY's & SG's. (JD2)

16922 VTH: Bombay, India 1040 RTTY 50b/850 test tape w/VTH 5/7/9 RBSL BNR RY's & SG's. (JD2)

16930 MRB: Mariupol Radio, UKR 1525 FEC w/Nav Area warnings. (RB)

16951.5 6WW: Dakar, SEN 0341 RTTY 75b/850 test tape, "Fox", RY's & SG's. (JD2)

16961.5 FUF: Fort de France, Martinique 1100 RTTY 75b/850 test tape, RY's & SG's. (JD2)

17002 UDK2: Murmansk Radio, RUS 1522 RTTY in 50/170 G's to unid vsl. (RB)

17022.5 WLO: MOBILE RADIO 1546 FEC Maritime(union) bulletins. Times given as "ARA times 0235/145z MEBA times 0335/1535z Sun/Sat." Then "fec mode signal telex tsb wc bdcast ceased Jan 2, 1996" is available arq mode chargeable. (DW)

17055.1 MGJ: Faslane Naval base, Scotland 1200 RTTY 75b/340 CARB (1 channel of an FDM aggregate replacing MTO which has now ceased transmission). (JD2)

17468 HGO24: Budapest Hungary 0645 RTTY 50/400 MTI News EE (AB3)

17521 HSW61: Bangkok Thailand 0630 RTTY 50/850 Meteo (AB3)

17547 Unid: 1614 ARQ-E3 192 idle (BvR)

18050 SNN299: Polish MFA, Warsaw 1238 RTTY 75/250 NX review in Polish (MC)

18064 SNN299: Polish MFA, Warsaw 1103 POL-ARQ 100/240 Claris MSGs & 5LGs (MC)

18066.4 "de ver"? Geneva 1459 PACTOR-I 200/200 ICRC Geneva with FF msg. (ED)

18191.7 Unid: Italian Diplom/Mil,7 1059 FSK 1200bps UNID System (MC)

18241.9 ZRO4: Pretoria Meteo Radio 0701 RTTY 75 wx rpts (EW)

18252.7 SUU: Cairo Meteo 0654 RTTY 100 wx rpts header DDBB (Cotonou Benin). Cairo off freq? (EW)

18314.5 Unid: French Diplom? 1351 TT2300b 100bd tfc (MC)

18390.5 SAF: Tripoli, Libya 1650 RTTY 50b/340 "QJH HLLTYF", this sta has been Pagina 351
heard on freqs from 18380 to 18420 Khz. (JD2)

18422 Unid: SOUD Station,? 1409 RTTY 75/500 SLGS to link ID "10024" (MC) (Cuban traffic from Hanoi logged here before -LOGS)

18451.5 Jakarta 1622 ARQ Indo. lang. msg. to Damascus. (ED)

18597.5 MFA MADRID 0928 TWINPLEX 100 -200/85/85/200. F7bh-1. Brief Spanish words before end qso. (DW)

18771.2 MFA Havana 1430 RTTY 50 Prensa MINREX svc til 1500 (ANEE)

18970.5 "RFLI" Caribbean 1707 ARQ-E3 96/392 Slg's. (ED)

19011.6 PCW 1: Mfa Den Haag 1531 TWINPLEX 100 Eng mgs (BvR)

19126.7 MFA Cairo 1445 ARQ ACK circuit w/unid embassy til 1515 (ANEE)

19160 MFA ISLAMABAD ? 0759 TWINPLEX 100 h300/h85/85/600. F7bh1. Weak signals then offair. (DW)

19176.7 DFZG: Belgrade, Yugoslavia 2130 RTTY 75/400 MFA (RT2)

19289.7 Cuba 1734 RTTY 50/400 Minrex Cuba w/EE(!) press, warbly tones. (ED)

19363.4 Unid: 2030 FAX Unid...very poor quality (RT2) (poss NRR, USN Rossie Roads on 19363? -LOGS)

19693.5 UFN: Novorossiysk R.,RUS 1403 ARQ "UFN" SITOR mkr. (RK)

22447 FUV: FNY Djibouti,DJI 1359 RTTY 75b RY/SG. (RK)

23561.5 PCW1: Mfa Den Haag 1551 ARQ sc TVPV (Luanda) (BvR)

=MARITIME=


2582 ZBM: Bermuda Harbor Radio 0440 USB w/wx, MIB. (RB)

2625 9HD: Malta R., MLT 2130 USB EE m clg TCB35. (RK)

2749 VAU: Yarmouth Coast Guard, NS, CAN 2340 USB Maritime wx forecast. (KH)

3261 ship-to-ship calls 0200 USB is this an ITU Ch? (BWS)

4054 HOS Seoul radio 0850 USB pp w/unid in Korean (AW) (new one! -LOGS)

4092 HQCL5: Mv Abu Samir 1911 USB clg GKT. GDFK: Warship Sheffield 1840 USB clg Portishead radio (BvR)

4110 ELKJ6: M/S Fantasy 0506 USB clg/wkg AT&T Coastal Station WOO (on 4402) re R/T tfc holding for passengers, vsl is Carnival Cruise Lines 70,367 GWT, cruise ship. HQDE3: M/V Cavalier Star 0522 USB general cargo vsl clg/wkg AT&T Coastal Station WOO (on 4402) re R/T call to Jacksonville re problem vsl, only able to make 1 knot, vsl 8 miles N. of Lake Cherokee, Fl, att to make Port Everglades. (RB)

4146 ZML Taupo radio 0805 USB wx to the area (AW)

4199 WBN5981: Monitor (tug) 0620 USB clg/wkg WPE, Tug Communications, Jacksonville, Fl, US w/posrep. WBN3011: Pilot (tug) 0631 USB clg/wkg WPE w/posrep. (RB)

4294 WNU31: Slidell Radio,LA 2220 CW CQ 4/6/8/12/16/22 (RT2)
4310  WNU41: Slidell Radio, LA 1420 CW QSX Marker (RT2)
4369  WLC: Rogers City R., MI, USA 0346 USB "Voice of the Great Lakes"
w/marine wx for ships on the Great Lakes. (DF)
4372  3DP: Suva Radio Fiji 0805 USB Marine Wx (AB3)
4384  GKT20: Portishead Radio wkg HMS Invincible (KH)
4387  WOO: Ocean Gate Radio, NJ 2210 USB W/WX. (RT2) WOO Ocean Gate Radio
1403 USB making ann. (DPW)
4390  WOM: 0024 USB High Seas radio wkg Cruise Ship Crystal Harmony. (KH)
4396  DAJ: Norddeich Rdo, GER 0445 USB w/voice marker..."here is Norddeich
Radio" in EE, w/sound of ticking clock. Note Norddeich sounds like
Nordine in EE. (RB)
4402  KMI: AT&T Coast Station Cal 0658 USB w/voice tfc list. (RB)
4417  Bluff Fishermens Radio NZ 0810 USB Traffic for small ships. Russell
Radio NZ 0740 USB small ships sked. (AB3) ZLTH "Cape Resolution" 0823
USB wkg ZLM Taupo. (AW)
4444.5 Outhofhband: Mississippi Towboats 2352 USB w/chat, gave mile marker
for Mississippi River. (RB)
4724  US vessel "Gina Bradley" 0857 USB wkg "Brenton Express" (AW)
6215  PK: Yayapura radio IN 0825 USB general call. Later at 0827 P2R Rabaul
radio, also general call. (AW)
6344  SVB3: Athens,Greece 0045 CW. (RT2)
6357  SAA: Karlskrona R., S 1111 CW QSO DE SAA. (RK)
6368.5 D3ES1: Luanda Radio, Angola 0010 CW QSO 8/12/16/22 Mhz (RT2)
6376  WCC: Chatham Radio, MA 0335 CW QSO Marker (RT2)
6389.7 WNU42: Slidell Radio, LA 0100 CW (RT2)
6421.5 FFL3: St.Lys Radio, France 0053 CW QSO 4/8 Mhz (RT2)
6493  VAI: Vancouver CG Radio 1803 CW 'T' Marker (RT2)
6507  VIT Townsville radio 0645 USB wx to the area // 8176 (TB)
6507  Lyngby Radio 2315 USB w/offshore wx in Danish/EE. (TB)
6815  Pirate fishing vessels 0137 LSB w/XXX language, EE/SS comms. (BWS)
8101  Unid 2358 USB (did not catch the id's) stations (U.S.) w/personal
type pp traffic. (JH) (common cruiseship crew pp freq -LOGS) LA014:
M/S Majesty of the Sea 0149 USB - s, glg/wkg fellow cruiseship M/S
Song of America, LEN3, who is duplex on 6230. (RB)
8116  S/V MOHAWK 1115 USB wkg MERRY MERRY & CORIOLIS in yacht net around
the Caribbean...MOHAWK was heading to St.Thomas,USVI...at 1120 two of
the boats switched to 4024.0 while the CORIOLIS joined a ham net on
7268.0. (TB)
8176  Sydney Radio 1117 USB w/offshore wx. (TB)
8198  ZMAC: (?) Columbia 0653 USB wkg Sydney Radio duplex w/R/T call.
Anybody know this NZ-flag merchant vsl's full name? (JP)
2420  GHJV: M/V Lord Nelson 0035 USB clg Portishead Radio. (JP)
2450  EFDS: Mv Mar Caterina 1750 USB clg Nordeich radio (BvR)
2499  ELP88: 1150 USB Unid clg Portishead r req pp (BvR)
3435  XNYS: MV Sagaing,BRM 1125 CW msg to SUP, QRC BM01, ETA Port Said.
(RK)
8347  3EZP8: SS MSC Sabrina 2210 CW wkg unid coastal station w/msg tfc.
(RB)
8347.5 4JIG: TH Teymur Ahmedov 1720 CW clg URM3 DE 4JIG K, no joy. (RK)
8351  ELOC3: Tropic Brilliance 2030 CW SNC msg FM TROPIK BRILLIANS. (RK)
8363  3FMN3: M/V Golden Panagia 2341 CW wkg WNU33 w/tlx tfc. (RB)
8365  UT2Y2: TKH Kremenchug 2159 CW clg/wkg VCS, Halifax CG Radio w/3 msgs
sent. (RB)
8367.6 COLD: Pargo 2201 CW Cuban tuna trawler clg CLA sev mins, no joy. (RB)
8440  VCS: Halifax CG R, Canada 2145/0130 CW w/wx. (RT2)
8444.5 KFS: Palo Alto Radio, CA 1500 CW QSO Marker (RT2)
8472.5 JYO: Aqaba Radio, Jordan 1324 CW VVV DE JYO JYO (EW)
8510  J2A8: Dijboui r., DII 1930 CW VVV VVV DE J2A8 J2A8 J2A8 QSO 8
MHz. (RK)
8502.5 FFL4: St.Lys Radio, France 2220 CW Marker (RT2)
8568.5 XFM: Manzanillo Radio,MX 1445 CW 'de XNM/XUM' (RT2)
8569  GKD4: Portishead Radio 1430 CW 'T' Marker (RT2)
8570  WNU43: Slidell Radio, LA 1450 CW QSO Marker (RT2)
8604  XSZ: Dalian Radio 1903 USB w/hour traffic list. (PvdE)
8619  VRX32: Hong Kong R., HKG 1956 CW tfc list. (RK)
8680  WSC: Tuckerton R. NJ,USA 1920 CW tfc list. (RK)
8767  DAJ: Norddeich radio 1748 USB w/tfc list (BvR)
9346.5 LYEU: TR Rambynas,LTU 1715 CW clg LYL and msgs. (RK)
12422 UKRR: TH Sormowskiy-123 RST 1530 CW msg to UFJ/8683. (RK)
12429 9MCD8: M/V Amity Union 2111 CW wkg LGJ w/1 msg, vsl not in ITU. (RB)
12637.5 UHS: Murmansk R.,RUS 1505 CW DE UHS 3707 mkr. (RK)
12660.5 UGW: Novorossijsk R. UGW,RUS 1510 CW 4LA7 DE UGW 12660.5/16980 TFC LIST. (RK)
12695.5 KFS: Palo Alto Radio, CA 1620 CW CQ QSK 'K' Marker (RT2)
13002 KPH: San Francisco R., CA, USA 2317 CW w/marker and msgs. (DF)
13024.9 WLO: Mobile R., AL, USA 2330 CW w/marker. (DF)
13033.5 WCC: Chatham R., MA, USA 2357 CW w/marker. (DF)
13041.5 XVS9: Ho Chi Minh V. R.,VTN 1430 CW CQ DE XVS TFC LIST, QSX 8/12 MHZ K. (RK)
13062 CLA32: Havana R., Cuba 0006 CW w/marker and frequencies. (DF)
13083 KMI: AT&T Coast Station Cal 1526 USB wkg S. Korean fishing trawler DTAC9, Oyang No.371 for R/T call to Korea. (RB)
16530 Port Moresby PNG 0015 USB pp to unid in pidgin (AW)
16548 Singapore radio 0444 USB clg vsl "VNN362" (AW)
16591 Bulacan radio PHL 0545 USB pp to unid (AW)
16610 Athens radio 0225 USB pp to unid in Greek (AW)
16914.5 CBV: Playa Ancha Radio, Chile 2130 CW 8/12/22 (RT2)
17027 FFL8: ST LYS RADIO 1715 CW Marker "cq de FFL4/L6/L8/L9 qsx 8 12 16 and 22 mhz channel 3 and 4 k". (DW)
17045.6 LPD46: GENERAL PACHECO RADIO 1719 CW Marker "vvv de LPD 25/46 qsx 8 12 16 and 22 mhz ch 3 and 7 k". (DW)
17088.8 KPH: 1652 CW QSX & traffic list (RT2)
17147 URL: Sevastopol R.,UKR 1300 CW 4LA DE URL URL QSW 6383/12735/17147, tcf list. (RK)
17177 URK9: Kertch R.,UKR 1245 CW msgs to RTMKS Kapitan Butrimow. (RK)
17242 LPL: General Pachecho rdo, 2328 USB ARG, wkg unid vsl for R/T tcf ID'ing in phonetics Lima Papa Lima. (RB)
17305 HPP20 Panama radio 0630 USB wkg vsl 3F0 p/p, ch 1622 (AW)
17341 HLS Seoul radio 0620 USB pp to unid. This is ch 1634 (AW)
17359 ESA Tallin radio Estonia 0550 USB pp unid. ch 1640 (AW)

=MILITARY=

2622 WRPH: M/V Liberty Star 0523 USB wkg BRD, Booster Recovery Director, reporting on station for try#2 of launch of Space Shuttle Atlantis on mission STS-76, this is a Booster Recovery ship owned my Morton-Thikol. BRD: 0813 USB w/countdown from t-minus 30 secs to liftoff for try# 2 of launch of Space Shuttle Atlantis on mission STS-76. At 0815 reporting SRB separation, M/V Liberty Star has visual contact, at 0819 BRD estimates SRB's are in safe posn. WRPH: M/V Liberty Star 0245 USB wkg BRD, adv left booster posn at 131 degrees, 9 miles, at 3017N/7848W; right booster at 134 degrees, 10.1 miles, 3016N/7848W, enrt for recovery ETA 50 minutes. (RB)

2645 TB02: Turkish Navy, Izmir, TUR 2152 CW 5L msg, same msg as on 6375/RTT before. (RK)
3029 NIGHTWATCH 01 0359 USB wkg GASMASK. (JH)
3041 NCWA: USS Moosbrugger 0739 USB (DD-980) wkg Cape Radio w/rdo ck's, at 0812 CLEARANCE 1 wkg DoD Cape. was in support of Space Shuttle Atlantis on attempt #2 of mission STS-76. DoD Cape: 0813 USB w/countdown from t-minus 20 secs to liftoff for try #2 of launch of Space Shuttle Atlantis on mission STS-76. At 0819 adv CLEARANCE 1 that booster recovery ships are on-scene so C-1 is relieved. At 0831 secures net w/"Cape Comm". (RB)

3113 HOTCAKE 0416 USB wkg NIGHTWATCH 01. (JH)
3122 Rescue 1719: USCG HC-130H 0547 USB wkg NMN w/ pp D-8 Op's for revised search area re missing F-18. (RB)
3128 Unid: 0130 USB Slavic military comms "iatzig" de "endo"?? w/poss Polish til 0200 (ANEE)
3130 W8P: USN 0606 USB wkg 13H w/ref to the alligator & link-11 coordination comms. (RB)
3134 OVERHANG 0616 USB clg & wkg TOPNOTCH (USN trained opr), w/both weak to each other & to me. Request for T-quad check at 0618z. OVERHANG clg & wkg WAR46, w/some apparent awkwardness in the comms. DAREDEVIL 0743 USB wkg NIGHTWATCH 01, w/3134 designated as the primary freq for this night. (JH)

3192 "Navy Auckland" RNZN Auckland 0815 USB Working patrol craft HMNZS Hinau. (AB3)

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OVERREACH 1435 USB clg CHOPDOWN, then wkg NIGHTWATCH 01. NIGHTWATCH 1250 USB very weak net activity, heard after an instruction to move to S302 from 5700. Fairly certain this freq will turn out to be S302. (JH)

NNNOZTL: Navy MARS unk location 0314 USB wkg NNNOESU, also unknown location. 7XR Unid 0323 USB clg 1NO (One November Oscar). MARS op's asked for ID of stations. No response. Warned that they were operating on US Gov. frequency. 7XR Unid 0331 USB 7XR & 1NO often referring to themselves as 1N and X7. They fail to acknowledge MARS operators request for ID. 7XR unID 1NO mentioned that 7XR "popped in" at about 186 mi. out at a bearing of ??? degrees. 1NO asked for new frequency. 7XR responded with "code word HOCKEY". (DF) (Sounds like USN Link-11 coordination net -LOGS)

OVERREACH 0807 USB, fair level but very clear, wkg a weak station, maybe LONGHAND. NIGHTWATCH 01 0802 USB wkg WAR46 w/pp to a DSN 271 number. Hi 'n bye. (JH)

U.S. Army MARS net 0145 USB (AAA/AAV net). (BWS)

DRAE: Kriegship Luetjens 1940 USB clg DHJ59. ICT: IN Taranto 1940 USB clg V3B. DRAI: Kriegship 1947 USB clg DHJ59. (BvR) DRAV: Fregatte Karlsruhe (F212) 0049 USB wkg DHJ59 for RTTY coord. (JP)

Foxtrot Tango: USN Link-11 coordination net 0635 USB w/NOVEMBER, JULIET, others, passing track info. (RD)

RMWX: RUNY, RUS 2113 CW sx clg/wkg RMXV. (RK)

VTSP4: Vishakhapatnam Naval, India 1820 CW marker "VTSP 4/5/6/" (VN broadcast). (JD2)

VTG4: Bombay Naval, India 1815 CW marker "VTG 4/5/6/7" (BN Broadcast). (JD2)

ZMH35: Tauranga Coastguard NZ 2300 USB Coastal wx. (AB3)

NAMEPLATE: 0716 USB wkg NIGHTWATCH 01. FLAWLESS 0653 USB wkg NIGHTWATCH 01, NW 01 looking for HONEYDEW. At 0704, FLAWLESS w/28-character EAM, coincident with GHFS rotation of same; NW 01 acknowledged traffic. PORTABLE 2153 USB w/20-character EAM, coincident w/the GHFS rotation of same. WAR46 0556 USB wkg NIGHTWATCH 01. (JH)

TBUS: Turkish Navy, TUR 1919 CW VVV TBDJ DE TBUS QAP tape. (RK)


KPB644: Indiana Wing CAP 2359 USB w/RED FIRE 8 as alternate NCS, w/c k in's including RED FIRE 6, 7, 14 & GREAT LAKES 8 for regular net. (RB)

KPB609: CAP Texas Wing 0005 USB w/EAGLE NEST 601 as NCS w/ck in's by EAGLE NEST 612, 611. (RB)

Andrews 0405 USB on F-877, now changed to primary for unid a/c '152'. (BWS) F9Y 0700 USB wkg SIDECAR. (JH)

MCCELLEN 1315 USB as lead GHFS station, w/20-character EAM "FOR MUTTONFISH." At 1347, MCCELLEN with 20/20/20 character EAM "FOR MUTTONFISH." OFFUTT 0631 USB, as lead GHFS station, w/20/20/26 character EAM set over a 10 minute period. OFFUTT's mike picked up the sounds of a ringing telephone. FOUR LIMA OSCAR 0651 USB wkg THULE w/pp to COMSUBLANT CWO - an Exercise Esteem Highly Alpha xmsn. At the end of the pp: "I relinquish the net, over," & gone. (JH)

HERSHEY: Joint Interagency Task Force East Op's Center, NAS Key West 1635 USB wkg "19" w/link-11 coordination comms. (RB)

BLUE STAR: USN FACSFAC, PR 0004 USB wkg S4JG for rdo ck, app night alt to 8971. (RB)

Info Routine. (HMS Seagull -LOGS). ASCOT 4743 1939 USB dep Bruggen 1905, est Lyneham 2130/40 selcall AKCH std rel K & pp Lyneham Meteo. KITTYHAWK 20 0846 USB dep EGWU 0805/15 eta EKCH 0955/1000 std rel R selcall AHDF. IFN 80 0847 USB dep Leeming 0820/30 eta Banjulaku 1205/5 std rel AK CH selcall A3DL + taf/actuals foll LQK & LDSP. 2PN 0848 USB radio ck. ASCOT 7057 0856 USB dep EGNX 0745/50 eta LFKB 1150/55 crew 10 pax 0 std rel T neg selcall. Habit 4 0858 USB unheard. Architect 0903 USB clg IFN 80 w/wx for LQSA IFN80 wants to know where LQSA is (Sarajevo). ASCOT 4745 0908 USB dep ENEB 0845/55 eta Lyneham 1115/25 std rel K selcall AKAM. 99C 0915 USB radio ck. IFN 59 0917 USB dep EGVO enrt ex LFOC std rel J. S4I 0921 USB radio ck. T1D92 Puma 0933 USB ex EGAA enrt EKCH 0955/1000 std rel R selcall AHDF. IFN 80 0943 USB dep EGXE and Linton-on-Ouse EGU. ASCOT 9328 1006 USB std rel C + BIKFICEO dep EGIN 0952 eta BIKF 1205 selcall LMFG. ASCOT 9328 1009 USB Selcall check not from Architect(NOT!). IFN 80 1027 USB req pp Lyneham meteo req acts for LQNK. ASCOT 4290 1041 USB dep Lyneham 1020/30 eta EGBS 1145/55 std rel K (MH2)

4806 ASCOT 4806 0923 USB wkg Architect (C-130, XV200) dep Bruggen 0855 eta Akinci 1400 selcall A3DL standard relay k. The spokesman spelt the destination AKINCI, he had no ICAO identifier at hand, I checked my recent DoD flip, it says Akinci is LTAE, when I looked that up in the ICAO doc (from 1992) w/these ID's it came up with Ankara/Murted. Changed names since then? (BH)

4992 Cape Radio 0625 USB active w/USS Moosbrugger and USCGC Reliant w/rdo cks & status reports. (CM)NCWA: USS Moosbrugger (DD-980) 0329 USB HF R/C w/Cape Radio during space shuttle launch. (JP) NCWA: USS Moosbrugger 2216 USB (DD-980) wkg Cape Radio re status of launch of Space Shuttle Atlantis on attempt #1 of mission STS-76. KING 2: USAF HC-130 aero/rescue a/c 0702 USB wkg Cape Radio re secondary frequency, adv is 2822. KING 1: USAF HC-130 aero/rescue a/c 0705 USB wkg Cape Radio re is airborne w/ETA of 0750 in support of att #2 of STS-76. NCWA: USAF Moosbrugger 0726 USB (DD-980) wkg Cape Radio re new frequency, Cape adv try 20390 USB (nothing heard there), at 0736 Moosbrugger back up here, Cape gives new freq of 3041. was in support of Space Shuttle Atlantis on attempt #2 of: mission STS-76. NCWA: USS Moosbrugger 2209 USB (DD-980) wkg DoD Cape re status of launch, adv mission is 90% probable go for launch. (RB) Launch Support 0631 USB Cape Radio w/comms ck's. (TV)

5064 9MB: Penang, Malaysia 1750 CW marker "9MB 13/16/19" (MM broadcast). (JD2)

5152 SAM 206 0430 USB clg ANDREWS after moving here from 6712. (JH)

5290 TBO: Turkish Navy, Izmir, TUR 1929 CW "vvv vvv vvv v23c v23c v23c" marker. (MC)

5354 ANDREWS 0309 USB wkg FOOT ROPE. (RB)

5431.5 OSCAR 2300 USB w/heavy European accent wkg unid a/c w/interdiction ops... Bosnia-related (TB)

5435.5 ANDREWS 0309 USB wkg AIR FORCE ONE. (JH)

5680 Kinloss Rescue 0743 USB Wx. (AB3) SGMG 1600 USB wkg Plymouth Rescue said that if SGMG diverted to Northolt they wouldn't be able to land at Trafalgar Sq tomorrow. Plymouth are looking for alternatives. (CH) Rescue 51, RAF Nimrod 0320 USB clg Plymouth Rescue. (DF) RESCUE 194: 0256 USB wkg RESCUE 51 during SAR case off English coast. Plymouth Rescue: 0318 USB clg RESCUE 51. (JP) Rescue Helicopter "WMU" 2118 USB wkg Kinloss Rescue. Informing Kinloss now airborne out of Stornoway & wkg Stornoway Coast Guard on VHF. (KH) KINLOSS RESCUE 2255 USB wkg RESCUE 137 w/posn report. (TB)

5690 Unid SS military sounding comms 0148 LSB here almost every night for the last few weeks, at 0214 ANDVT being used on freq. (BWS)

5696 CAMSLANT Chesapeake 0815 USB wkg Rescue 1716 and 1718. COMMSTA Honolulu 0742 USB clg cutter Polar Star (AB3) NOJ: Commsta Kodiak 0752 USB wkg "Rescue 6024" (AW) Group Galveston 2145 USB wkg C9R, adv they had another a/c that would be airborne at 1400 local (CST). From now, that is in about 9 min. App re a distressed vsl. (BWS) USCG aircraft 2126 (HU-25A) UTC? USB enrt to NAS Brunswick, Maine to refuel. After refueling, 2126 is to search for a possible vsl in distress in vicinity of Cranberry Island. Flares have been sighted.
WUNhv02

2126 is based out of Cape Cod CGAS. (DW2) NOAA 85: NOAA a/c 2018 USB wkg CAMSLANT Chesaapeake. Op at CAMSLANT was clueless until pilot explained who/what he was. CG Rescue 1702: 0757 USB wkg COMMSTA Honolulu for MEDVAC, reporting "on deck Christmas Island." (JP) CAMSLANT 1953 USB wkg CG HELO 6041 w/a posn report. RESCUE 6030 2000 FM coms w/St Petersburg & req CAMSLANT to secure their guard (MF2) A/C 8221 2358 USB wkg CAMSLANT w/radio check. (MJ) C9R: Unid, prob Falcon jet 0019 USB wkg NMN relaying patient vital signs from RESCUE 6023 (USCG HH-60J), adv 6023 enrt NAS New Orleans as closest point to land, req relay to Dist.8 will need ambulance for ETA 1940L. Unid medico. (RB)

5700 nightwatch 0459 USB wkg KINDLADY & DOCKHAND good/readable to 0541. (GG) rowboat 1415 USB wkg nightwatch 01 in voice and data. At 1532, nightwatch 01 w/26-character EAM. At 1537, nightwatch 01 w/20-character EAM; then at 1547, NW01 adv rowboat & war 46 that he is going monitor-only for 30 minutes. At 1608, NW01 back up and wkg war 46. nightwatch 01 0635 wkg ERRANDBOY. foursome 1348 USB wkg nightwatch 01. At 1350, nightwatch 01 on 4742 wkg war 46, moving war 46 to 5700; at 1352z both NW01 & WAR46 are wkg each other on 5700. overhang 0610 USB passing traffic to topnotch: "nightwatch is no longer in the net; \"\"(Could not make out) is no longer in the net; & war 46 is on x206.\" At 0614, overhang into andvt coms. All comms are awkward and hesitant -some confusion is apparent from context. nightwatch 01 0646 USB ckg war 46, w/nothing heard & gone. washtub 0427 USB wkg nightwatch 01 & entering the net. Also active: readymade. At 1541, washtub ckg nightwatch 01. War 46 0142 USB ckg & nightwatch 01 for signal check; 0232, geodetic wkg nightwatch 01; 0254, NW 01 wkg hotcake; 0309, crazyweed ckg & wkg NW 01 to enter the net. Crazyweed cud not perform a correct "challenge", so NW01 asked him to check his date & time, then call him back-and try again. Still no good, so NW01 adv crazyweed to verify that he is using "day 19, 0311" (the current utc time). That done, procedure was completed successfully. At 0313, geodetic exits the net. At 0537z, broadleaf w/26-character EAM. Tigereye 1357 USB ckg/wkg nightwatch 01; enters the net w/NW01. Crazyweed on freq. At 1400, toadstool, stomping on tigereye, calls NW 01 to enter the net. At 1402, andvt coms between toadstool & tigereye. At 1540, yaleman wkg NW 01, & enters the net, & adv that x205 is also active - yaleman goes monitor-only at 1551. _line (I'd sometimes hear it as trout..; chow; and foul..) 0509 USB wkg NW 01 to acknowledge traffic. At 1557, wildman ckg nightwatch 01. starbird 0211 USB wkg NW 01, entering the net. Vocalist 1417 USB ckg NW 01, finally raising him at 1431z, & enters the net. NW 01 1433 USB ckg & wkg war 46 for signal check, & gone. Dockhand 0519 USB wkg kindlady discussing a 'T-quad'. By 0533 both stations were into sending time-standard ticks, w/a top of the minute time stamp "at the tone, 0534." At 0534, dockhand wkg NW 01, & exits the net. Circuit. Nightwatch begged off, stating that his data equipment was busy w/higher priority traffic. overrate 0021 USB ckg NW 01. At 0124, NW 01 wkg "46". At 0307, jaywalk (USN trained) wkg NW 01, & enters the net. At 0335, molecule calls NW 01; wkg Jaywalk; then wkg NW 01, & exits the net. NW 01 1323 USB ckg moderator (USN trained). Mischief 0510 USB wkg NW 01; at 0512, twilight calls NW 01, & exits the net at 0529. At 0731, Macaroni wkg NW 01, who is now a different opr (USN trained), w/unid (never could make it out) entering the net. NW 01 adv "" that Macaroni was in the net on 9017, but that NW01 had not had comms w/him in hours. Nameplate 0707 USB ckg & wkg NW 01. At 0721, NW 01 wkg war 46 & req pp to a DSN 271 number. After numerous problems, War 46 finally has a good circuit, & NW 01 completes his "hi 'n bye" connectivity check. flawless (EAM broadcaster) 0651 USB wkg NW 01 (USN trained). longevity 0455 USB wkg NW 01. Pullmotor 1242 USB ckg NW 01 also at 1711. NW 01 1216 USB wkg woodwork. Nighttide 0002 USB ckg NW 01, & raising same at 0004. Nighttide is exiting the net. At 0006, NW 01 wkg keylock, who enters the net. Keylock asks NW 01 if he has traffic 5ueudq, w/the answer in the negative. Keylock adv that he did not get a good copy of it, but since NW01 does not have it, they ignored it. Keylock goes monitor only at 0111z (many players recently seem to go monitor only shortly after they enter these nets); back up at 0237. NW 01 0742 USB wkg
WUN-v02

DAREDEVIL. (JH) WAR46 2258 USB w/req for signal check...no reply (TB)

5710 NIGHTWATCH 01: 0551 USB wkg Andrews w/comms ck. SAM 26000: USAF C-137C, Tail 62-6000 0621 USB wkg Andy w/pp tfc. (RB)

5711 KRFB: M/V Freedom Star (space shuttle booster recovery vessel) 0220 USB R/C w/Cape Radio during shuttle launch. (JP) Cape Radio: USAF ETR Cape Canaveral 2335 USB wkg booster recover ships M/V Freedom Star; M/V Liberty Star, re scrub of attempt #1 of launch of Space Shuttle Atlantis on STS-76, adv is on 24 hour hold. (RB)

5714 ARCHITECT 2300 USB w/wx report for various sites...thought this had switched to 5715??? (TB)

5716.5 FDG: French Air Force, Bordeaux 1957 CW "vvv vvv vvv de fdg fdg fdg an" marker (MC)

5764 19E (RNZAF) 0800 USB wkg HOL & T87 w/voice & data comms, re RNZAF/Singapore Airforce joint exercise. (AB3)

5875 NAMEPLATE 0712 USB clg NIGHTWATCH 01 on self-id'd WHISKEY-102. Nothing heard (NIGHTWATCH 01 had actually requested this call on w/106) so back to 5700. As soon as NAMEPLATE was gone, the freq lit up w/swbc IS tune. (JH)

6221 NZP: 1851 USB Unid mil Dutch accent clg 2DH German accent for radio ck. (BvR)

6333.5 IGJ43: Italian Navy, Augusta, I 2022 CW VVV IGJ43 mkr, new freq ex 6335.5. (RK)

6390 AQP4: Karachi Naval, Pakistan 1820 CW marker "AQP 2/4/5/6" (PN broadcast). (JD2)

6418 VTP5: Vishakapatnam Naval, India 1620 CW marker "VTP 4/5/6" (VN broadcast). (JD2)

6467 VTP5: Bombay Naval, India 1810 CW marker "VTG 4/5/6/7" (BN broadcast). (JD2)

6461 GOLD 82 1553 USB wkg HOBBY 45. At 1558z, GOLD 82 wkg NASH 91. (JH)

6501 NAVY Coast Guard Guam 0930 USB Pacific wx warning (AW)

6550 Coast Guard Center: Netherlands CG, 0518 USB wkg Coast Guard 03 a/c). Also heard "Savannah" wkg CG 03. Does anyone know who/what Savannah is??? (JP)

6683 AFA3 Andrews AB 0925 USB wkg "Showtime 9" (AW) SAM 275 2055 USB wkg Andrews w/pp to CROWN, 275 had just landed at their destination & adv Andrews they would be departing again at 2330. (BWS) SAM 202 1721 USB wkg ANDREWS. (JH) AIR FORCE ONE 0120 USB wkg Andrews w/radio check on primary. AF1 heard every 15 minutes until 0235 with more radio cks. SAM 049 0252 USB wkg Andrews w/radio check. Other SAM flight also heard. (MJ) SAM 203: USAF C-20B (tail 86-02 0428 USB 0203) wkg Andrews VIP w/signal cks. Air Force 1: 0708 USB wkg Andrews Presidential w/comms ck's. TROUT 99: 0753 USB wkg Andrews w/signal ck. Executive 1 Fivetrot 1810 USB wkg Andy on the ground unid loc, pp CROWN. (RB)

6691 BOOMTOWN 1518 USB wkg BLUECHIP w/voice & data. BLUECHIP did not enter the NIGHTWATCH net until approx 3 hours later. TANKCAR 2333 USB wkg VOCAL 2020. Seemed it was having problems w/their data xmsns. Asked if"...using 674 and using Day 218" and "using same key maps as they are using." (modem and crypto chatter). At 2343, BOOMTOWN clg VOCAL 2020 getting wx for ROTA. ANDREWS 0511 USB clg CROUGHTON, no response heard. (JH)

6712 ACE 55 1757 USB wkg Croughton (C-130) pp Talon Ops: eta Andoya (Norway) 1900, req. meals. IFO 22 1740 USB wkg Croughton (C-21A) pp DSN 480-8450 (EOC/Phantom): dep Zagreb 1015, arr LYBE (Belgrade) 1105 dep LYBE 1652 eta Frankfurt 1835. Same times for IFO23. Both IFO22 & IFO23 are on "change 1", ron Frankfurt. I was surprised to hear C-21's on an IFO callsign! SPAR 86 1609 USB wkg Croughton pp Andrews VIP: -> 667, heard Andrews clg on 6817, no Spar 86. 6712 again w/ Croughton: pp EUOM (UCOM?): abt privacy key and VIP crypto. Call again airborne. (BH) EARL 77 0812 USB wkg Banter Ops via Croughton (JB) CROUGHTON 0651 USB w/active pp activity. Could not make out the a/c's call - maybe something "00465." BLUE 87 0608 USB clg CROUGHTON. At 0629z, OFFUTT up w/20/20/26 character EAM string over a 10 minute period. REACH 8V4 (self-id'd C17) 0618 USB wkg CROUGHTON getting wx for ROTA. ANDREWS 0511 USB clg CROUGHTON, no response heard. (JH) Cotam 0007: 1715 USB Copenhagen-Chambery, crew 3,6 pax. Cotam 0001/0005: 1630 USB Both going to Charm-el-Chekh for peace conference. Cotam 0009: 1715 USB 34N-6E to Villacoublay, crew 4/2
WUNhv02

Cardiff, then Kinloss. FNY 53B8 USB N262AEN, 56S, Nimes, from Manchester to Kinloss. FNY 53B8 USB N362AEN, 56S, to Kinloss. FNY 53C9: 1130 USB to Andoya, clg Talon ops. stepping on Circus vert. Herky 100: 1430 USB C-130 from Araxos to Aviano, RON. IFD 06 USB to Calvi. IFO 22/23: 1730 USB Zagreb-LYBE-Frankfurt, also stepping on Circus vert who seemed to be used to it & patiently waited for his turn! IFOR 03: 1730 USB Isters-Orleans, crew 6, 55 pax, 2.9 tons +2 RAPASAN. Reach 101JS: 1810 USB called by Croughton, no reply. New c/s. Exercise ...? SAM 56973: 1730 USB to Prague. Sentry 50 USB E-3 to Mildenhall but requesting diversion to Geilenkirchen due to wx, needing 35 rooms for the (large!) crew. Spar 67 USB to Zagreb. SPAR 86: 1615 USB w/VIP crypto/Privacy key. Spar 94: 1250 USB (Croughton) to Ramstein. (JP2) Unid 1352 FF spoken, any help w/IP please. (SB) (French AF "Circus" freq, Marjolaine 2 –LOGS)

6715
CHR: Trenton Military 0418 USB wkg Halifax Military for RTTY coord. Ment. using "west coast transmitter" several times. (JP)

6717
CASEY 01 0245 USB wkg ANDREWS (JH) NAVY 676 0220 USB wkg Andrews, QSYed to F576 (11153.5 kHz) for check. (RJL) AFA3: USAF Andrews MD, USA 1052 USB EE m clg SAM-518; this must be a relay via a European TX-site. (RK)

6730
AEROBATIC 2019 USB wkg NIGHTWATCH 01. FOURSOME 1436 USB wkg NW 01. At 1558, BROADLEAF wkg NW 01 (20-character EAM from NW01, then ANDVT commns). OVERHANG 0133 USB clg an unid station too weak to make out. SAM 26000 0558 USB wkg a weak ANDREWS w/pp activity; at 0604, TOPNOTCH wkg OVERHANG co-channel w/SAM 26000/ANDREWS activity, & neither seemingly bothering the other. OVERHANG told TOPNOTCH to meet him in 4-5 minutes on 5700 "for traffic." READYMADE 1431 USB (in the net since at least 0427z) clg NW 01. AIRFORCE ONE 0557 USB wkg ANDREWS w/pp to AFOC, then ANDVT notice. CRAZYWEDGE & NW 01 1233 USB clg each other; but neither heard the other. At 1259, ANDREWS clg SAM 203. STARIBIRD 0208 USB & NW 01 clg each other, but STARIBIRD not responding to NW 01. LOGNEVITY 0458 USB wkg NW 01. PULLMOTOR 1442 USB w/28-character EAM broadcasts at 1442 & 1505. NAMESAKE 1500 USB w/26-character EAM, simulcast on 6730, 8968, & 11244. At conclusion, heard wkg a weak NIGHTWATCH 01. The GHFS, w/ANDREWS as the lead station, picked the string up at 1504. At 1618, NEONLAMP wkg NW 01 (USN trained). At 1647, NEONLAMP wkg WAR46, adv WAR46 to call NW 01 on S311 (11494). (JH) NIGHTWATCH 01 2012 USB wkg PRESSCAR. NW 01 2014 USB wkg OVERLORD who reports NW is fair-readable. NW & PRESSCAR played channel tag on these designators X903, X904, W108, P381, S309, W114. Andrews 2044 USB w/pp for REACH 91117 to Charleston meteo & CP. Andrews 2048 USB w/pp for 6 YANKEE LIMA to DNS# 831-3115 NAU PUERTO RICO NAVCOMSTA. Andrews 1955 USB w/pp for SAM 375. AGGREGATE 0025 USB wkg NW 01, Ag checking out of the net at this time. WAR46 0134 USB wkg NW 01 for radio check. OVERDRAFT 0141 USB wkg RAILVAN... discussed the oe" T-quad. (MF2) NW 01 0201 USB wkg RAILVAN & OVERDRAFT w/radio checks. (M3)

6731
SPAR 63: 1200 USB Contacting Tunis DAO prior to arrival there. (JP2)

6738
Unid: 1020 USB w/Two ops in Italian w/pp. (This supposed to be a Military frequency.) (Aw)

6739
ASCOT 9040 0834 USB radio chk (JH) BEDSPREAD 0130 USB continuing w/ heavy "repeat" EAM traffic heard earlier from callsign GIFTSHOP. At 0155z, BEDSPREAD back up w/same EAM set but apparently dicontinued the xmsn in mid preamble of the first string, & no restart heard. GOLD 92 0645 USB clg MAINSAIL. (JH) C7M 1181: French Air Force transport a/c 0910 USB wkg Hickam Global w/wx req. ASCOT 3201: 0412 USB wkg ARCHITECT for wx info. NNR 395: Royal Netherlands Navy P-3 a/c 0355 USB wkg Offutt GHFS for P/P to NAS Jacksonville. (JP) GUUYX 3103 USB clg Architect for pp (radphone facility) to FP2 MAFF control? (MH2) (GUUYX is HMS Shetland P-298, an offshore patrol vsl -LOGS) SKYKING 2128 USB dna TQM time 21 auth SH. REACH 1033S 2240 USB clg Lajes ex Aviano to LLNV 250000 lbs rolling stock & 34 pax. REACH 580BG 2328 USB clg Lajes. SKYKING 0014 USB dna TQM time 03 auth ZB (Albrook). Incirlik GHFS 0108 USB w/EAM 2WVMU. REACH 30397 0151 USB clg Aviano command post via Lajes 'A1 eta 0820 only 3 pallets to offload and 2 SpaceA? the others broken, 82 duty packs' then Aviano
CanForce 1950: Canadian Forces a/c 1808 USB wkg Trenton Military re pp. (RB)

VXA Canforce Edmonton 1025 USB Volmet wx to Canada (AW) MAGIC 56 1023 USB clg INY/MAGICMAN confirming on-station and bingo times previously satcommed. INY requests QSY UP to XE So XE is higher than 6754 - any WUN know where XE is?? There must be quite a bit of NATO/MAGIC activity there. (MH2)

SAM 206 1700 USB w/pp to 692-XXXX & 877-XXXX DSN '#s. It appears that SAM 60206 is going to Peterson AFB, CO. SAM 376 called (415) 877-XXXX commercial #. This shows to be in San Bruno, CA. There is an airfield at this commercial # and SAM 376 will be landing there. SAM 376 1615 USB w/pp re a wiring diagram they need faxed to them. It is about the stove on their a/c. It isn't getting hot enough. They advised they need the wiring diagram, otherwise, they would have to buy another oven while "on the road". They adv that the current oven won't last 6 or 7 days. SAM 202 and 206 are also on freq. At 1623, Andrews was calling TUFF '#'s (who I don't hear). (BWS) SAM 206: USAF C-20B (tail 86-0206) 1611 USB wkg Andrews VIP w/pp re att to repair or replace inop oven. SAM 376: Special Air Mission a/c, 1629 USB wkg Andrews VIP w/incoming pp. (RB)

DRKM: Kriegship Rhon 1809 USB clg DHJ59. DRAV: Kriegship Karlsruhe 1937 USB clg DHJ59. DRAS: Kriegship Rheinland-Pfalz 1559 USB clg DHJ 59. DRAO: Kriegship Luebeck 1823 USB clg DHJ 59 no joy. (BvR) DRDG: Unterseeboot U13 (S192) 2318 USB wkg DHJ59 w/RTTY coord. DRDV: Unterseeboot U28 (S177) 2345 USB wkg DHJ59. DRKF: Versorger (tanker or supply ship) Nienburg (A1416) 2359 USB wkg DHJ59. DRO: Unterseeboot U24 (S173) 050027Z APR USB wkg DHJ59. DRKM: FGS Rhon (A-1443) 0038 USB German Navy replenishment tanker wkg DHJ59 w/1 priority RTTY msg to send. DRDG: FGS U-13 (S-192) 0445 USB German Navy attack sub, clg DHJ-59 re RTTY coordination tcf. DRDV: FGS U-28 (S-177) 0459 USB German Navy 'unterseeboot', wkg DHJ59 w/conclusion of RTTY coordination. DRKF: FGS Nienburg (A-1416) 2322 USB German Navy underway replenishment ship, wkg DHJ59 w/ZBO, QRV. DRKV: FGS Karlsruhe (F-212) 2340 USB German Navy type-12 frigate, wkg DHJ59, Wilhelmshaven Naval w/1 priority msg to send. (RB)

SPAR 76: 1230 USB transmitting data to SHAPE, going to Keflavik (JP2) (SHAPE is Supreme HQ - Allied Powers Europe - NATO HQ in Belgium & SPAR 76 is 3rd Cy patriot program 876-0876 operated by 51st Aeromedical Airlift Sgd, Det at Chievres, Belgium. SPAR 76 is usually reserved for SACEUR - Supreme Allied Commander, Europe -LOGS)

Air Force 2: Vice Presidents a/c 2328 USB wkg Andrews w/pp CACTUS. (RB)

FDI8: FAF Nice, F 1650 CW VVV DE FDI8 AR mkr. (RK)

Army MARS 0445 USB w/net traffic. (CL)

MFP34: RN Cadet station, G 1048 USB EE m sx to weak UNID M.... (RK)

SAM 206/376 1710 USB were asked to check this freq (F-117). SAM 206 told 376 "it sounds like your transmitter took another hit" (BWS)

NIGHTWATCH 01: 0726 USB wkg Andrews w/comms ck on F117. (RB)

SAM 28000 0220 USB wkg ANDREWS. (JH)

GASMASK 0354 USB clg wkg DOCKHAND; then wkg NIGHTWATCH 01. The powerful co-channel swbc musical selection (and ALE bursts) did not seem to bother the players. (JH)

RIT: Russian Navy, RUS 1228 CW clg RJP55 DE RIT K. (RK)

VOCALIST 1439 USB clg NIGHTWATCH 01. NIGHTWATCH 01 1335 USB trying to work WOODWORK, no luck. At 1511, NW 01 wkg DIGNITARY. At 1548, NW 01 passes a 58 character (+/-) EAM (CREETN...) to dignitary, who misses all after item 14 due to a SELSCAN burst at that point. (JH)

SESEF NORFOLK 1944 USB conducting radio tests w/US NAVY. At 1941 USN conducting radio test w/US NAVY. FADER 77: U.S. Navy
Navy LCAC-77 1454 USB clg SESEF no joy. NNTR: USS Theodore Roosevelt 1520 USB up to transmitter #10 w/HF rdo ck's. NKKZ: USS Pensacola (LSD-38) 1630 USB w/HF tests up to xmitter #3. 28 REAR: USN Convoy comm's 1715 USB wkg 28 FORWARD w/rdo ck. At 1858 28 REAR clg RIGHT. Also hrd here next day w/same types of comm's. NASO: USS L.Y. Spear (AS-36) 1733 USB w/rdo ck's. NVV: USS Normandy (CG-60) 1813 USB w/HF rdo testing, all modes. NOGB: USS Mount Whitney 1903 USB (LCC-20) "Tech Control" w/HF rdo tests. NRWH: USS Hayler (DD-997) 1906 USB "Second to None", wkg SESEF, adv QSY 10315 for their testing. NEDO: USS Austin (LPD-4) 1907 USB w/qsy for testing after Mount Whitney is done. NDWQ: USS Detroit (AOE-4) 1910 USB "Fast Combat Support", w/rdo ck. NSVN: USS Nicholas (FFG-47) 2107 USB w/rdo ck. 7651.5 Y8M 2246 USB wkg E4J attempting to set up HF data frequency...sent once & 4J said to try again as he forgot to switch the envelope...tried again and 4J replied that he did not receive cryptolock (TB)

7687 ANDREWS 0301 USB wkg SAM 682. (INDIA/OSCAR freq). 0335z 'in the blocks.' (JH)

7747.5 OS: IFOR Bosnia? 2246 USB wkg 2OC passing track report for bulk carrier ELGF3, M/V EWL Rotterdam, OS was U.S. accented, 2OC had heavily accented clg. (RB)

7917 FDC: FAF METZ 1027 CW Marker "vvv FDC" - badly cut tape. (DW)

8026 SAM 206: USAF C-20B (tail 86h0206) 0447 USB wkg Andrews VIP w/pp Howard meteo, wx for MMNG for 0540z. (RB)

8122 RAN Cairns control 0329 USB wkg RAN Darwin Control re:crew man going w/Qantas to Sydney then onto Nauru and Tarawa. LAVUAN 0338 USB wkg RAN Cairns Control. who is LAVUAN? (SB)

8290 6YX: Jamaican JDF COAST GUARD RADIO KINGSTON, Jamaica 1255 USB wkg LARC2 NORA JAHER PRESIDENT (700 ft tanker) at unspec'd location 16 hours from Kingston enrt to Aruba. PRESIDENT on site with m/v CAMBRIA which was abandoning ship, picking up 16 men.6YX also wkg "KEY WEST" (maybe USCg grp), latter inaudible. (DC)


8490 AQP5: Karachi Naval, Pakistan 1440 Clg marker "AQP 4/5/6" (PN broadcast). (JD2)

8634 VTP6: Vishakhapatnam Naval, India 1630 Clg marker "VTP 4/5/6" (VN broadcast). (JD2)

8971 BLUESTAR 1918 USB wkg RED LANCER 08. BRAVO 1 MIKE 1923 USB req radio
WUN-hv02

check from SUN KING, no joy. BLUESTAR 1957 USB asking RED LANCER 08 if he copied him on the 101. (MF2) TRIDENT 720: P-3 VP-26 NAS Brunswick, Me, US 1958 USB wkg SLU re BIRD DOG comms. (RB)


8975 Striker-375 0248 USB wkg RAFAF Townsville P-3 Orion of 10 sqd RAFAF. TROJENh028 0346 USB wkg RAAF DARWIN To Darwin. (SB)

8992 REACH 67945 0815 USB pp Hilda via Ascension. NAVY 147 2020 USB wkg MacDill. (JH) SAM "6973" 0330 USB wkg ASCENSION for a signal check. (JH) A0031: Portuguese AF USB this freq is used by many people. FNY 5342 USB to Keflavik, then Greenwood on the 10th. Posn report: 77N-12W, which seems to be a mistake, as it is really up North! (JP2) LC 010 2314 USB clg MacDill no joy. PRIMO 71 0015 USB wkg Ascension w/pp to DSN 440 xxxx, McCuire ops, metro. (MJ)

9007 Unid UTC? USB HR7S clg to check a military point. (PP2)

9014 SENTRY 60 1730 USB wkg RAYMOND 07 w/pp, getting wx for TINKER. GASER 41 1702 USB wkg RAYMOND 07 w/pp to a DSN 866 number, id'd as NICKLE OPS. RAYMOND 07 1928 USB responds to a call from RADIO MAINTENANCE. At 2118, HAWK 02 wkg RAYMOND 07, & places pp to a DSN 461 number for DYESS wx forecast for "low level IR 150." (JH)

9016 Heavy data activity with a GHFS & callsigned station - could not make out. BROADLEAF 1635 USB clg MCDILL, w/no response. MCCLELLAN 0324 USB wkg PACOM 01 throughout the local night. MCDILL 1536 USB unid member of the NIGHTWATCH net. MCDILL 1557 USB wkg an unid station (could not make out the c/s) w/voice & long data transmissions. ROWBOAT 1839 USB clg NIGHTWATCH 01. At 1850, WAR46 clg & raising NW01 (unheard here.) At 2001z, RAISENET wkg NIGHTWATCH 01 w/clear & ANDVT comms. At 2011, AEROBATIC (phonetically spelled at 2014) wkg NW 01, & entering the net. (JH)

9017 NIGHTWATCH 01 1817 USB wkg a weak BLUECHIP, w/BLUECHIP entering the net, 9017 primary, P381/S310 secondary; w/RECKLESS in the net & using 11220 as primary. At 1843 NW 01 (female opr) wkg MAILBAG, w/MAILBAG entering the net. At 1910, NW 01 adv MAILBAG that RECKLESS & unid station (could not make it out) are now monitor-only. At 1955, FOOTBALL wkg NW 01, & enters the net. NW 01 2146 USB w/62-character EAM: GKSDGQ. GRABBAG 2021 USB (USN trained opr) & WILDMAN attempting comms; 2022, SHUTOUT wkg NW 01 w/ANDVT comms. At 2108, GRABBAG w/26-character EAM. At 2110 POST___ (sounds like POSTMAN, & sometimes like POSTBED, then POST???) enters the net, adv active players are STEERSMAN (or SPEARSMAN;) GLADBAG;WILDMAN; POOLQUE; & SHUTOUT. At 2117, SHUTOUT (USN trained) wkg NW 01. At 2314, SHUTOUT passes some traffic to NW 01 - a rarely heard "SSCC Status Report" (too much phonetics to use when phonetics are not used -- it sounds like SSCC.) Anyway, they all begin with "SS001 "dtg", then into things like "y" and "i". At the final "item 19," he said "NAS PATUXENT RIVER." NW 01 req a spelling of item 19 (definitely *not* USN trained); after a few moments of silence, SHUTOUT advised NW01 to disregard item 19. At 2348, STEERSMAN (now sounding more like SPEARSMAN) exits the net, & adv by NW01 to have a happy landing. ROOMRENT 0011 USB wkg NW 01, & enters the net. At 0022, SANCTIFY wkg TRUEMAN (pronounced true-man, not Truman, but take your pick - 6-character calls are very rare in the nets; 7 aren't.) TRUEMAN wants to check out of the net when NW01 becomes active in 5 minutes. At 0129, SANCTIFY (USN trained opr) wkg NW 01 & enters the net; at 0131, TRUEMAN wkg NW01 and exits the net. At 0200, SANCTIFY wkg STARBIRD. At 0204, NW 01 wkg STARBIRD who is now suddenly unheard here, and weak to NW. OUTCROSS 2301 USB wkg HIGHTIDE. DOCKHEAD 0507 USB wkg NW 01. NIGHTWATCH net activity 1941 USB - a number of EAM strings from m041z4. At 2101, LONEACE (USN trained) clg NW 01; then ERUPTION wkg NW 01, & entering the net. At 2218, TESTHEAD (did not sound like TESTBED), calls NW 01, then calls BLUE LIGHTNING. The last being a very rare callsign-type (13-characters) on the nets over the past 4 years. Richard Baker noted a recent 13-character call (CHRISTMAS TREE) heard on a USN freq. NW 01 1556 USB wkg WAR46, req a check on X208 - nothing heard on 3134. At 1607, RECTANGLE wkg
NW 01. ANDREWS 1549 USB clg AIRFORCE ONE. At 1844, NW 01 calls BACKPACK. At 1915, HIBERNATE calls ACCOMPANY. At 2042, HIBERNATE w/ EAM xmsn leading the GHFS (3BLDLM...); at 2044, HIBERNATE; at 2044, NW 01 w/the 3BLDLM... EAM, coincident w/GHFS rotation of same. RAINCOAT 1512 USB wkg NW 01. At 1530, RAINCOAT (ncs in the absence of NW 01; noisy background - individual reading same EAM string) w/ 20-character EAM. 1533, RAINCOAT w/26-character EAM string, simulcast on 6739, 9017, 11244 (GHFS bcst the string at 1537z+). At 1627, RAINCOAT w/26-character EAM, no // freqs found. After all EAMS, RAINCOAT would check with MODERATOR to assure he copied the strings. CORKWOOD 0124 USB wkg MACARONI. DEERSIGN 2059 USB clg NW 01; & raising same at 2100. PORTABLE w/EAM transmission, leading the GHFS rotation of same. NW 01 2252 USB clg TEXTBOOK; at 2254, NW 01 wkg PORTABLE; at 2300, PORTABLE wkg NW 01 & exits the net. At 2355, TEXTBOOK (USN trained) wkg NW 01, & goes monitor only for 2 hours. ASSOCIATE 0009 USB wkg NW 01; at 0011, SYMPHONY wkg NW 01 & enters the net. At 0040, NW 01 wkg WAR46, then SYMPHONY; at 0041, WAR46 calls NW 01 & requests "...to do a comm check for training purposes if it was ok with your guys over there." NW 01 begged off as being too busy. ASSOCIATE checks out of the net at 0318z. (JH) NW 0120 USB wkg WAR46 w/pp to DSN 276 xxxx. (MJ)

9023 WILDCAT 30 to 2350 USB wkg LAJES pp. "Something" 52 1537 USB clg WHISKEY ALPHA. (JH) DRAGNET TANGO: Eh3C AWACS 1543 USB wkg DRAGNET UNIFORM, req he keep NCS. Later SIDECAR, DEERHUNTER up w/NORAD training comms. (RB)

9031 HABIT 1526 USB wkg Architect pp .... ext 7088, pp unworkable. RFR 3C formation 1308 USB wkg Architect (Wessex, 60 Sq.? a/c weak. Strange, usually there are to figures following the '3C' bit. ASCOT 1132 USB wkg Architect (VIP) (BH) ASCOT 2666 1107 dep Hannover dest Calgary secal DHGL (JB)

9057 YALEMAN 1536 wkg NIGHTWATCH 01. At 1624, NW 01 (female opr) wkg SANDSTONE, SANDSTONE was another rare instance of a callsign who, when he unkeyed his mike, would have a very brief "pulse" (not dtmf-type) on his signal - this time a split second digital "whooshing" sound similar to the first split second of an ANDVT comm. Ground station, remotely keyed?? Or?? CORKWOOD 0125 USB wkg MACARONI w/a 'T-quad' (time-standard ticks & top-of-the-minute anns) & data xmsns. WOODWORK 1344 USB wkg NW 01. At 1445, WOODWORK goes monitor only for 2+ hours; & at 1458, NW 01 wkg DIGNE(A)TARY, who enters the net. DIFFICULT 1519 USB clg NW 01; at 1520, WAR46 wkg DIFFICULT; at 1521, NW 01 up on freq wkg DIFFICULT, confirming that DIFFICULT has two items of current traffic, GK and 5U EAM strings. At 1552, unk station (maybe NIGHTWATCH 01) w/225-character EAM taken from a 1539z GHFS bcst. During the second run-through of the string, the station faded into the noise floor of the receiver. At 1636, NW 01 wkg DIGNE(A)TARY, who eventually wkg WAR46 for a brief pp. (JH) NIGHTWATCH: 1753 USB wkg WAR46 for rdo ck on S309. (RB)

9120 AIR FORCE 1: 0710 USB wkg Andrews Presidential w/comms ck's on "5" (P005). (RB)

9122.5 WUG: USACE Vicksburg Dist 1539 USB wkg WUI5, WUG/A, WUB, WUJ4, WUB5, WUB2, WUB4, WOU, WUI5, all USACE stations for ck in to regular Friday net. (RB)

10192.5 DRKF: FGS Nienburg (A-1416) 1954 USB German Navy underway replenishment ship, wkg DH359 w/QRV. (RB)

10315 NRWH: USS Hayler (DD-997) 1918 USB "Second to None", wkg SESEF re UHF testing coordination. (RB)

10548.6 USS Tarawa & Neil Control OK, Coronado USB w/various tcf down in the grunge. These are all groundwave signals here, maybe 70 miles north. (HS) TARAWA 0352 USB clg 'any station this net' & wkg CORONADO. At 0445, NEIL CONTROL passes traffic to TARAWA & CORONADO: "Senator Dole will not be coming tomorrow." (Super Tuesday was the following day). (JH) NEIL CONTROL: 2300 USB wkg TECG REAR re tcf req, had to shut veh down re down to 1/2 tank of fuel. NLHA: USS Tarawa (LHA-1) 2311 USB wkg NEIL CONTROL re status. Boat Rig Ctl: Unid USMC/USN 2317 USB wkg NEIL Control re status. NEXW: USS Coronado (AGF-11) 2343 USB wkg NEIL Control re status. (RB)

10780 Cape Radio: USAF ETR Cape Canaveral, FL, USA 1646 USB clg REACH 40067, no joy. WRPH: M/V Liberty Star 2132 USB wkg Cape Radio for Pagina 366
frequency assignment for launch of STS-76, Space Shuttle Atlantis (att #1), this is a Booster Recovery ship. KRFB: M/V Freedom Star 2137 USB wkg Cape Radio for same, both advised 5711 by Cape, this is also a Booster Recovery ship. (RB)

RT: Russian Navy, RUS 1432 CW DE RIT QTC 300 58 20 0036 300= FM RMP= NAWI P 021 .... (RK)

11175 IFO 60 0941 USB QSY ->13200. REACH 7F5 2139 USB wkg Ascension pp Rota PMSV, pirep 39n 6.00e (a/c unrr). REACH 90017 2144 USB wkg Ascension (C-5A) pp Dover PMSV wx westover + enrt turbulence (a/c unrr). SHUCK 18 2148 USB wkg Ascension nh (a/c unrr). RAIDER 57 2156 USB wkg Ascension pp Lobo (a/c unrr). EV 18 0905 USB wkg Incirlik (US Navy?) pp DSN 624-5286 (Sigonella PMSV): req wx Sigonella 1430 and current -> 15016 ->11244 (Croughton). REACH 520BG 1104 USB (C-141)pp ...., C-141, tailnr. 60178 eta 1245, req 65k fuel. IFO 02 1116 USB wkg Croughton (IFOR) pp Ramstein CP, DSN 480-2121: arr QTZ 0928 dep 1025, eta Ramstein 1230, contact the 86th AMS to arrange transportation for 3 litter- and 9 ambulatory patients.Any ideas on QTZ? Could it be TuZla? SNOOP 56 1339 USB wkg Incirlik (C-133, 55 W) pp Banter, Incirlik didn't know Banter, pp DSN 238-2733 (95th RS): relay to the recovery officer (name) eta 1400, ops normal. REACH 5009 USB wkg Incirlik (C-5B) pp PMSV wx .... 2100: We're over Saudi Arabia, do you really want a pirep? REACH Z1 1528 USB wkg Incirlik (C-141B) pp Hilda East: tailnr. 60161, etb OEDR (Dahran) 1800, A2 nr 1 VOR, nr 2 HF :-(c), pp Hilda PMSV wx OEDR, OBBI(Bahrain), OERK (Riyadh, King Khalid) 1800. REACH 3V1 1528 USB wkg Incirlik (C-5A) pp Hilda East: C-5 tailnr. 90010, inbound Aviano for quick turn, then Lajes, confirm ron Lajes: yes. pp Hilda PMSV wx Aviano 1730. pp Aviano CP: same, now sayin ron Aviano! REACH 55 1509 USB wkg Mainzel no joy. Strange c/s. REACH 101DT 1619 USB wkg Croughton (C-17A) pp PMSV wx Ramstein 1945, pirep: C-17 f1310 3545n 2215e. REACH V5 1641 USB wkg Croughton pp USAFE PMSV wx Sigonella 1900. pp DSN 624-5578 (Sigonella ATOC): eta 1900. REACH 100M 1051 USB wkg Incirlik pp Ramstein PMSV wx Frankfurt 1255, also wkg Andrews, Ascension ->15016. REACH 7F8 1036 USB wkg Incirlik (C-141B, 67-0025) pp Sigonella ATOC: eta 1305. pp PMSV, wx LICZ, pirep: C-141, f1350 (couldn't read posn, too weak). 1518 pp Rota ATOC: eta 1800, tailnr. 70025. REACH 00535 1038 USB wkg Croughton (C-17A, 90-0535) pp USAFE PMSV wx Ramstein 1315. pirep: C-17, f1270,4346n 018.09e, coming out of Lajes. AIREVAC 1001 1329 USB wkg Croughton (C-9) pp 86 AME: abt patient transportation, eta Rota 1415. REACH 81411 1323 USB wkg Incirlik (C-141B, 66-0149) pp Hilda East: tailnr. 60149, eta LTBA (Istanbul) 1420,A1, user req. dep. LGAD (Andravidia, Greece on the 31st of march: call again later. pp PMSV wx LTBA 1400. REACH 11S2 1809 USB wkg Ascension (C-141B) pp Ramstein CP: dep USAFE PMSV wx DSS 1945. pp PMSV wx Estar 1940. pp PMSV wx DSS 1945. pp PMSV wx Estar 1940. pp C-141, f1350, 45n 11e. TITAN 82 1829 USB wkg Ascension (C-130, USMC) pp Lajes PMSV, wx Lajes 2100 (BH) NAVY RX667 2300 USB w/pp to 874-XXXX (VR-59 at NAS Dallas) adv they were having a mechanical problem. 667 adv their EPIRB was "inop" and they were about 2 1/2 hours out. 667 adv they had a "full crew day". (BWS) REACH TANGO 1 1241 USB pp Ramstein via Croughton pirep: C-5 41.34 North 12.6 East. REACH 50277 1329 USB pp Ramstein AMCC via Incirlik dep CYQX. SPAR 66 1033 USB at LERT waiting for DV. DERBY 54 1501 USB Wkg Scott AFB. (pp to Scott? -LOGS) PAT 895 1715 USB pp Ramstein via Incirlik pirep: C-20 code 52 on board. REACH ZULU 1 2020 USB wkg Lajes Met via Ascension. DOGGY 1 1949 USB wkg Andrews. NAVY LD013 1955 USB wkg Andrews. REACH 24101 1235 USB pp Mildenhall via Incirlik. REACH 106JS 1238 USB pp Hilda East via Incirlik pirep: dep Aviano des KJVO (7) Tail no. 80266. PATRICK 66 2053 USB wkg Lajes. YANKI 91 0826 USB pp Mildenhall via Lajes. SAM 01 1321 USB pp USAFE Metro via Croughton pirep: eta LBBG 1500Z. TUFF 12 and 13 2030 USB wkg Mudbug Control via Ascension req low-level routing info & ETA for Barksdale. (JB) FLAWLESS 1456 USB clg MCCLELLAN; then MAINSAI; & raising ANDREWS. Signal check and gone. OFFUTT 1459 USB as lead GHFS station, w/20-character EAM "FOR THRUST." At 1503, OFFUTT w/20-character EAM "FOR THRUST." CHOPHOUSE 2133 USB (maybe; sounds like) wkg ASCENSION getting wkg freqs for NIGHTWATCH 01: P383/X904. SANCTIFY 1413 USB
to shore", probably RATT as they stayed up on 11175 until they 'had' him. (RB) Incirlik 1625 USB wkg REACH 7F5, suggest they cancel flight to Riyadh (Saudi Arabia) as they have had 14 inches of rain & 3 inches of hail today, suggest divert to Sigonella. (RC) USAF REACH 80171 1315 USB EE m sx p/patch to 11175 ETA Sigonella 1830. USAF REACH-90090,USA 1725 USB EE m sx clg MAINSAIL, raising ASCENSION, for pp to Lajes AMCC, tail-no 50272, est. Lajes 1935. (RK) DARK 42: [B1-B?] 1656 USB calls DSN 682-4878 [Nellis AFB, Nevada].

Over Colorado en-route to range [bombing?]. Plans to be "holding at 18:15Z". HUSS 12: 1701 USB called by 246-9480 ["Coyote" at Kirtland AFB, New Mexico]. Estimates home station [Kirtland] by 2040Z. Sierra 41: 1725 USB tells Travis in "anchor 649" that sec. "GRIZZLY" is canceled, mentions that he is refueling, wants to continue contact and rendezvous with Sierra 42 and Sierra 43 as he has two people "dropping dead on receiver work". TUFF 12: 1729 USB called by DSN 781-3690 [Barksdale AFB, Louisiana] TUFF 13 is on the ground but is about to take off for rendezvous with refueling fighters [possibly low level]. TUFF 12: 1747 USB gets a phone call from "126" [through MacDill GHFS] re his refueling mission. IR174 "low level" is specifically mentioned. KBIF: Biggs AFB, El Paso, Tx 1750 USB wx given to RCH 80225[,] a C-130 at 4154N 08332W. PUMA 01 at 457 USB clg MacDill several times, any idea who uses this call sign? Executive 1 Foxtrot 2313 USB gets p/p to DSN 858-5333. (TR) 6YL 2052 USB w/pp to DSN 831-3175 via Andrews Global. 6YL asked NAVCOMMSTA Roosevelt Roads if they received 6YLs 004-007 message traffic sent over "primary ship to shore."

IFOR 2A 1928 USB w/pp to Ramstein Metro via Ascension Global for a 2045Z arrival time. Second patch was to Ramstein CP, passing ETA and A-1 status. 27 (or 37?) pax & two pallets. MAGIC 58 1243 USB clg & radio-checking Algona GHFS, then req "actuals" & 1700Z wx forecasts for "BOS and KBGR." Albrook put them through to Dover Metro. BASS 01 (British accent) 2118 USB radio-checking Ascension Island GHFS & req wx for Jacksonville (KNIP) at 0200Z. PUMA 01 2135 USB w/pp to RAYMOND 37 via Ascension Global. PUMA 01 asked Dyess CP if they had any traffic for the wing commander. Response was negative, and PUMA 01 advised RAY 37 they were 30 mins out from Dyess, & terminated the patch. SKY CHIEF 1912 USB clg MAINSAIL. Answered by Elmendorf, but stations were too weak to work each other. RAM 25 1703 USB clg MAINSAIL "on 5696" 25 then corrected himself & said 11175, but never got a response. SPAR 19 1759 USB w/pp to HILDA via Bayonne Global. SPAR 19 adv they were tail # 10327 & had departed KMCF at 1751Z, w/a 0630Z ETA at HECA, and had 16 pax. CINCENT EC-135Y #61-0327. RAZOR 01 1906 USB w/pp via MacDill Global to Langley AFB Metro at DSN 574-7428 for a 2120Z forecast. Next patch was to a DSN 858 exchange, adv their ETA at Andy was 1830L & they'd be rendezvous with the ship's South. Third patch was to a DSN #. RAZOR 01 adv Langlely Dispatch they were an EC-135 w/a 2120Z ETA & that they'd be dropping off two people, then departing. RHET 01 1932 USB w/pp via Ascension GHFS to a DSN (CENTCOM Command Center, MacDill AFB). Upon pp initiation, 01 adv "Command Center, RHET 01, passing for EC-135 secondary" no response from pp party. Ascension advised QSY to 13204, no joy, & when RHET 01 was re-contacted on 11175 they adv Ascension that they would try to contact their party via a different frequency or means. Probably related to my 091759Z APR 96. REACH 131XX 1923 USB w/pp to Ramstein Metro via Ascension GHFS for Mildenhalls 2300Z wx. 131XX was a C-141 at 35-09N/009-40W FL 320. Next patch was to Ramstein CP. 131XX adv they were tail # 59413, ETA Ramstein 2225Z and were A-1 with no cargo & no pax. McClellan GHFS 2027 USB w/an all freq request for BEARTRAP, req BEARTRAP contact McClellan on 11244 or 15016. NIGHTWATCH 01 1943 USB clg McClellan Global "with FLASH traffic." No response. (TT) AIRCRAFT 475 0616 USB clg any station for radio check; then moved to 11175, raising MACDILL. (JH)

11176 SPARROW 01 2130 USB adv PJB that 01 was ops normal, and was overhead PB1 was they were checking the Curacao (Netherlands Antilles) coastline. P5KT 0010 USB trying to run data w/PJK. PJK was extremely weak, & P5KT req they contact them via INMARSAT. (TT)
11181 HAWK 84: 8-1B crew training sqd 2016 USB Dyess AFB, Tx, wkg McClellan
GHFS on a discrete w/pp to Dyess meteo. (RB)

11187  BOOMTOWN: 1819 USB wkg COASTAL w/RTTY coordination comms, ltr
callword sounded like CHRISTMAS TREE came up in net. (RB)

11205  ARCHITECT: RAF Upavon, G 1655 USB EE m sx to 50X, passing a req from
BUCHAN: "BUCHAN requests PCS". (RK)

11214  CASEY 01 0248 USB wkg ANDREWS here. At 0348, TRENTON MILITARY wkg
"SIERRA" w/pp to RAYMOND 24 for wx. TRENTON asked for his 'front end
callsign' but I missed it in some local qrn. SENTRY 40 1654 USB clg
& wkg RAYMOND 24. (JH) Andrews 1948 USB w/pp for SAM 203 to UNID.
(Discussions regarded the rewording of a document for the UN). Second
pp involved something to do with the press. SENTRY 49 2027 USB req
radio check from RAYMOND 24 on Charlie 6. Andrews 2033 USB w/pp for
SAM 203 to Howard meteo. Andrews 2039 USB w/pp for SAM 203 to
DSN#202h359h6087, at 2057 req a switch to 89 (F89h13204). (MF2)
SAM 050: USAF C-20C tail 85h0050 0054 USB Special Air Mission a/c,
wkg Andrews VIP w/end of pp. (RB)

11220  TINWIPER 1355 USB clg NIGHTWATCH 01, w/no response. ANDREWS 1318 USB
wkg SAM 202 & SAM 375 (w/SAM 375 & 202 wkg each other as well). SAM
206 may have been in here as well. CHOPHOUSE 2152 USB (sounds like)
clg NIGHTWATCH 01. GIFTSHOP 2100 USB w/26hcharacter EAM, simulcast on
11220; 8968; & 11244. (3BOE5S...; repeated often throughout the
afternoon). At 2148, NW 01 passing a self-id'd "three-six-nine
message of 8 groups." This 369 message repeated throughout the
afternoon as part of GIFTSHOP's "repeat" EAM bcsts. OWNERSHIP 2253
USB clg NW 01, & entering the net. Unid station 0129 USB (did not
catch id) wkg NW 01; & GASMASK & WASHTUB in the net also. ANDREWS
1933 USB wkg SAM 375. RECTANGLE 1609 USB wkg NW 01, & entering the
net. (JH)

11226  TOADSTOOL 1704 USB clg CRAZYWEED. At 1716, CRAZYWEED wkg NIGHTWATCH
01 w/ANDVT comms. That would have the CRAZYWEED callsign active for
over 14 hours. NW 01 passed a self-id'd "three-six-nine
message of 8 groups." This 369 message repeated throughout the
afternoon as part of GIFTSHOP's "repeat" EAM bcsts. NW 01 requested an injection time, but no
such time was heard on freq. The GHFS ran with the string at 1646. At
1631, someone popped up on freq & seemed to id the freq as 6761. At
1636, ANDREWS wkg SAM 204. At 1701, EXTRADITE wkg NW 01, & enters the
net. At 1709, HIBERNATE (female opr) with 26-character EAM, //11220
& 9017. At 1842, BACKPACK wkg NW 01. At 2131, BACKPACK wkg NW 01 w/
ANDVT comms; then at 2139z, BACKPACK exits the net. NW 01 1712 USB
wkg MODERATOR. DEERSIGN 2041 USB clg NW 01. CHEWGUM 2021 USB clg
something that sounded like SKYCHIEF. (JH) NW 01 1947 USB is up. NW 01 1924 USB is up & barely readable, net sounds very busy (MF2)
NIGHTWATCH: 1755 USB wkg WAR46, STATEROOM, for rdo cks on S310. SAM
682: (73-1682) USAF Ch9C 1816 USB Special Air Mission a/c, wkg Andy
w/comms ck's, had been ELF just prior to switch here. (RB)

11228  ROADSTOOL 1704 USB clg CRAZYWEED. At 1716, CRAZYWEED wkg NIGHTWATCH
01 w/ANDVT comms. That would have the CRAZYWEED callsign active for
over 14 hours. NW 01 passed a self-id'd "three-six-nine
message of 8 groups." This 369 message repeated throughout the
afternoon as part of GIFTSHOP's "repeat" EAM bcsts. NW 01 must've just come off a monitor-only
period. At 2014, SHUTOUT wkg NW 01 & entering the net. SHUTOUT adv that GRABBAG, WILDMAN, &
POOLQUE are also in the net. At 2034, NW 01 w/a 26-character EAM,
//on 11220 & 9017. At 2043, CHEERSMAN (sounds like) wkg NW01, &
enters the net. DEERSIGN 2042 USB clg NW 01. (JH)

11232  SENTRY 58 1819 USB clg EDMONTON MILITARY, w/no response & gone. (JH)
TRENTON MILITARY 1928 USB w/pp for INDIA FOX 1 BRAVO (MF2)

11243  AUSSI-095 0343 USB wkg RAAF DARWIN (SB)

11243  Unid station 1440 USB (no id given) w/an occasional "Test, one, two.
One, two, three." At 1552, HOBBY 45 wkg GOLD 82. At 1557z, NASH 91
wkg GOLD 82. Moved to 6461.0. (JH)

11244  CATBIRD 0900 USB wkg Croughton (VP-3A) pp ... base ops: airborne,
etc. 11h00 local, need 8k fuel, fuel truck on arrival due to tight
schedule (BH) Elmendorf 1930 USB wkg Navy RV387. (EG) MCCLELLAN 1448
USB, as lead GHFS station, w/89-character EAM: CRWYAD. At 1547,
MCCLELLAN w/20-character EAM "FOR TURMOIL." At 1622, MCCLELLAN w/20-
character EAM "FOR TURMOIL". MCCLELLAN 1248 USB as lead GHFS
station, w/97-character (+/-) EAM: CR45k.... TINWIPER 1347 USB
(sounds like) ANDREWS looking for NIGHTWATCH wkg freqs. ANDREWS

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WUN-v02
gave him S310/S311, & told TINWIPER that if he could not raise NIGHTWATCH 01 on those freqs, to come back to 11244 & ANDREWS would try to help him some more. Then TINWIPER had ANDREWS place a pp to VQ4 OPCON, & TINWIPER passed his 'immediate' traffic: 11 3-element groups. OFFUTT 1513 USB as lead GHFS station, w/20-character EAM string, at the approx 1515z+/- Saturday EAM xmsn window for these things. During the 1515 MACDILL rebroadcast, the MACDILL mike was picking up another radio at his location w/the AAOU/ALBROOK pp comms concurrent on 11175. MACDILL 2001 USB w/numerous "all frequency requests" for NIGHTWATCH 01. At completion of the unsuccessful calls, ANDREWS called MACDILL on 11175. At 2005, someone w/"message of 1 group." At 2006, ROVE 01 (sounds like rove) clg RENTACAR (or RENTALCAR), w/no response. At 2015z, ROVE 02 (sounds like) clg RENTACAR/RENTALCAR. Then passing 1 group as follows: "item 1; item 2; item 3" (w/alpha characters for each item). OFFUTT 1304 USB as lead GHFS station, w/20-character EAMS "FOR SECRETARIAL" at 1304 & 1317. OFFUTT 1517 USB as lead GHFS station, w/26-character EAM string (preceded by a FOXTROT broadcast). PUSHBALL 1500 USB wkg OFFUTT, getting NIGHTWATCH wkg freqs: X904; S312. ANDREWS, 1333 USB as lead GHFS station, w/two 20-character EAMS "FOR OBTUSE". ALBROOK 1410 USB wkg SAM 681 w/pp to ANDREWS. ANDREWS VIP gave him F311 as his wkg freq. DIFFICULT 1514 USB wkg MACDILL w/pp to NW 01 for net wkg freqs (S309/S311). NW 01 also asked if DIFFICULT knew status of REAFFIRM (active earlier in local morning on 5700) Negative. (JH) Albrook 2300 USB clg BISCAYNE 39 w/all frequency request...no reply heard. AGGREGATE 0021 USB wkg Andrews, requesting NIGHTWATCH frequencies. (MJ) Elmendorf GHFS: Ak, US 1630 USB wkg REACH 0005 w/pp Andrews CP. (RB) COBRA 06 1737 USB w/pp to a DSN at Offutt via MacDill Global. 04 adv OPS that they needed a Maintenance Supervisor & Operations Officer on-line, reference a Digital Fuel Panel readout problem (the display was flashing!). 06 was on the way to Barksdale to pick up some passengers, but had to return to Offutt to get the panel replaced, & then was going to be back on the way to Barksdale ETA Offutt 1935Z. CROWN 63 2035 USB w/pp to (European) DSN 330-7422 via Thule. 5 minutes later, Thule adv there was no one there at Rhein-Main Metro, so Thule would get CROWN 63s 2100Z Rhein-Main forecast from another source. BEARTRAP 2029 USB contacts McClellan & adv they've tried to reach them via landline, but all the #s BEARTRAP has for McClellan GHFS were busy. McClellan advises the number they should be using is DSN 839-####. (TT)

11245.5 Male and female oprs (U.S. accents) 1935 USB w/apparent posn reports. Too weak to make out id's. 1.5 khz offset from 11244, so may be U.S. mil comms, & maybe not. (JH)

11246 AIRCRAFT ### (missed the numerics)1955 USB clg MACDILL, then any station for a radio check. These calls pop up every now and then - old MACDILL freq. Unid station 1527 USB clg "Any station, any station." Nothing heard and gone. (JH)

11253 MVU: RAF W.Drayton VOLMET,G 1322 USB EE m WX. (RK)

11460 PACOM 01 2122 USB & MacDill getting ready for PACOM 01's 2230 UTC flight. The way this net has been operating is a little strange. It's like a cross between a MYSTIC STAR ch. & a regular GHFS type ch. PACOM 01 adv they had a 2130 UTC departure time, but now it has been knocked back to 2230 UTC. They are currently sitting at Andrews AFB and will be enrt to N. Island NAS when they depart. They have a DV-2 onboard. (BWS)

11494 NIGHTWATCH 01 1636 USB wkg NEONLAMP. At 1901, NAMESAKE w/26-character EAM. NAMESAKE has a very noisy background; no simulcast freqs found. Traffic acknowledged by NW 01; NEONLAMP had NAMESAKE repeat the string. At 1930, NAMESAKE exited the net. At 1938, NEONLAMP w/26-character EAM broadcast. At 2117, NEONLAMP still active w/NW 01. NW 01 1524 USB wkg DIFFICULT, who adv that REAFFIRM was no longer in the net. (JH)

12781.5 9MB: Penang Naval, Malaysia 1200 CW marker "9MB 13/16/19" (MM broadcast). (JD2)

12808.5 VTG7: Bombay Naval, India 1155 CW marker "VTG 4/5/6/7" (BN broadcast). (JD2)

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12839.9 VTP7: Vishakhapatnam Naval, India 0930 CW plain-lang EE wx forecast.

13011 AQP6: Karachi Naval, Pakistan 1430 CW marker "AQP 2/4/5/6" (PN broadcast).

13200 NERTS 1600 USB w/kg Croughton c/s spelled, trigraph tfc (BH) THULE 1915 USB w/pp for REACH 5077 to RAYMOND 17. (MF2)

13201 REACH 01 2038 USB w/kg unid GHFS w/pp Dover AFB discussing protocol for Croatian Ambassador on board, arrangements for taxi to reviewing stand upon arrival, etc. Appears related to return of bodies from recent crash. Mentioned loitering out of site until landing at specified time for landing, I guess to wait for VIP's to arrive.

13204 Andrews 2106 USB w/pp for SAM 203 to UNID DSN# (pp concerned status of liaison w/Mexican embassy, also inquired about amount of news coverage there trip was getting). Andrews 2116 USB w/pp for SAM 203 to UNID DSN#202-514-2101. Ascension 1929 USB w/pp for PAT 108 to DSN# 885-5058 Andrews CP. Ascension 1935 USB w/pp for SAM 203 to Andrews VIP switching to F616 9320 (MF2)

13206 HUDSON-6070255 0255 USB w/kg RAAF Townsville, to RAAF Amberley HS-748 32 Sqd. (SB)

13211 NIGHTWATCH 01 1843 USB w/kg BACKPACK. DEERSIGN 2042 USAB clg NW 01; & w/kg NW 01 at 2047z. (JH)

13236 Cotam 1955: UTC? USB to Las Palmas, crew 10,1 pax,5.4 tons cargo (JP2)

13242 NIGHTWATCH 01: 2205 USB concluding app pp w/unid. (RB)

14441.5 NNNOCHS: USS Vincennes (CG-49) 2008 USB (MARS Sta) clg ASSMS w/beam heading of S., NNNOCLM, USMC Camp Lejeune answers, QSY 14818.5. NNNOMPN: USMC Camp Pendleton, Ca 2011 USB w/kg MARS station for rdo ck. NNNOCBB: Unid 2051 USB last known as USCG Auxiliary station, this was a ship, clg ASSMS w/beam heading S/SE for routine pp tcf, unid station answers, QSY 14477. NNNOCUV: USS Compte de Grasse 2332 USB (DD-974) clg ASSMS, NNNOADV answers, QSY 14477 for pp tcf. (RB)

14587 Cotam 1041: 1245 USB 16N-13East, to Bangui and N'Djamena, A-310 (JP2)

15016 Elmendorf 1962 USB w/kg 1879 req Fairchild AFB wx wk 2200z Elmendorf metro pirep KR135 WOODY79. Reach 50252 2043 USB clg McClellan pp to Elmendorf block time 23:50 C141. Andrews 2052 USB clg Reach 70043. Snoop 51 2055 USB pp to Raymond 217 pax & parking. Gasser 91 2056 USB clg McClellan for radio ck. Reach 838 2108 USB pp Ascension will call Charleston when closer in. Elmendorf 2110 USB clg Sierra 56 moved to 11175. (EG) Unid 2323 USB clg MacDill, SKYKING DNA msg. Unid 2331 USB clg Albrook weak but readable. DOG 03 2334 USB clg MacDill, DOG was Loud & Clear. (probably DAWG 09, Georgia ANG C-130, 165th AS at Savannah nat'l Ap, Ga -LOGS) YOKOTA 0035 USB clg AIRVAC 10784 x3, nothing heard/out. HAWK 84 0052 USB w/kg Andrews relay re: 6 release (?) of weapons. (GG) ZERO XRAY ECHO 2026 USB (female opr) w/30-character XFSQO, EAM new static series, on at least unheard until today). Co-channel is MIKE SIX KILO (female opr) with a 3B... EAM. No // freq found, but did not check most of the old HICOM freqs. Both back up at 2043z w/these same EAMS - repeats. ROOMRENT 2157 USB w/kg ALBROOK w/pp to VQ4 OPCON, asking VQ4 OPCON to have BOOMTOWN meet him on freq designator CHARLIE CHARLIE. MIKE SIX KILO 2238 USB (female Opr) w/'repeat' eams that are also heard on the NIGHTWATCH nets & from GIFTSHOP. ZERO XRAY ECHO (now a male voice) w/3 'repeat' EAMS co-channel with MK6 (they always transmit at the same time), each EAM followed by either "more information follows" or "more information", & he closed this xmsn with "OXE signing off." DELTA FOUR INDIA 0232 USB (female opr) w/'repeat' EAMS as heard earlier in the evening, w/unid station (did not hear a call, but it would be another trigraph), male opr, co-channel w/EAMS strings as well. During one of D41's strings she went from very strong to unheard. All the trigraph oprs on 15016 used the distinctive 'government' alphanumeric pronunciations for the characters in the string. Activity seemed to become much less(to nil) shortly after this hour. (JH) Herky 649: 1115 USB From GMMX to GMBG (support flight for shuttle mission?) Reach 4H3: 1810 USB to Brasilia (JP2) Albrook 2004 USB w/pp for SHARK 86 to Howard meteo. Albrook 2015 USB w/pp for SHARK 21to Lobo & Howard meteo (MF2)

15044 EVOLUTION 2142 USB (USN trained) clg & w/kg NIGHTWATCH 01 on self-id'd
P383; discussed & worked CHOPHOUSE (sounds like), w/ neither NW01 or CHOPHOUSE heard here. At 2150, EVOLUTION wkg CHOPHOUSE, adv that he will be on the deck shortly. (JH)

VTH: Bombay, India 1040 RTTY 50b/850 test tape w/VTH 5/7/9 RBSL BNR RV's & SG's. (JD2)

9MB: Penang, Malaysia 1730 CW marker "9MB 13/16/19" (MM broadcast). (JD2)

VTG8: Bombay, India 1030 CW marker "VTG 4/5/6/7" (BN broadcast) this freq liable to be +/- by about 0.2Khz. (JD2)

RAF CYPRUS 0815 USB w/local airfield condx (JB)

ALL OTHER SSB/AM/CW/& MISCELLANEOUS MYSTERIOUS STATIONS=

CLB: Wilmington NC (LB)

IW: UNID (LB)

RT: UNID (LB)

SAI: Amilcar Cabral Intl., Cape Verde (PvdE)

HWE: UNID (LB)

VI: Cabo Villano Lt, Spain (PvdE)

NA: Punta LantaillaLt, Canary Isl. (PvdE)

KC: Nouakchott, Mauritania (PvdE)

CMP: Campagno ITALY (LB)

MAR: UNID long dash at end (LB)

LZ: Lanzarote (Arrecife), Canary Isl. (PvdE)

TES: Retina Sofia/Tenerife Sur, Canary Isl. (PvdE)

SMA: Santa Maria (USAF), Azores (PvdE)

YFM: La Grande QUE long dash at end (LB)

TDF: Tindouf, Algeria (PvdE)

ADR: Adrar/Touat, Algeria (PvdE)

PM: Las Palmas de Gran Canaria (Gando AB), Canary Isl. (PvdE)

ASNI: Ascension Aux. Air Field (Wideawake) (USAF), Ascension Isl. (PvdE)

VR: UNID, prob. Canary, strongest station of all (PvdE)

YMW: Maniwaki, QUE (LB)

MGL: Sao Miguel (Ponta Delgada), Azores (PvdE)

JF: JFK Airport, NY (LB)

HR: Hierro, Canary Isl. (PvdE)

FIL: Horta/Falal, Azores (PvdE)

UR: Covington KY (LB)

BV: La Palma (Mazo), Canary Isl. (PvdE)

DDP: San Juan PR (LB)

ML: Charlevoix QUE long dash at end (LB)

FV: Fuerteventura, Puerto del Rosario, Canary Isl. (PvdE)

CP: (LB)

FR: (LB)

H: Montreal QUE (LB)

TX: Tenerife (Los Rodeos), Canary Isl. (PvdE)

BC: Quebec CAN long dash at end (LB)

OGY: New York City "BRIDGE" (LB)

YMA: Palawawa ONT " (LB)

Glenorchy Base, South Island Mountain Radio Service 0730 USB wkg ZKIB14 ZKIB72 ZKIB78 ZKIB79 ZKIB86 ZKIB101. ZKFK New Zealand - South Island Mountain Radio Service 0800 USB wkg portable/mobile field stations. (AB3)

ZKVV Base, North Island Mountain Radio Service 0740 USB wkg ZKVV11 ZKVV19. (AB3)

Unid NZ Rural Comms (AB3)

CIO2: MOSSAD, ISR 1846 USB EE f "C-I-O-2". (RK)

Unid 1900 CW "PVIN PVIN PVIN DE FLVD FLVD ZHM ZVZ ZSG ZAC ZDL ZVF QTL AR", strong signal over here, possibly in Russia. (CK)

WA3NAN: Goddard Amateur Radio, Md, USA 0813 LSB w rebroadcast of audio for launch of Space Shuttle Atlantis on mission STSh76, w/liftoff. (RB)

4347.2 Unid: 0215 CW (RT2)

5089.5 GS-X net unid 1500/1700 USB stations were GS-1, GS-2, GS-3, GS-4, GS-5, & another which sounded like a/c. Sometimes they would casually ID themselves as "Ground Station #" The comms centered around testing a HF data; voice system. I heard references to KY-100, & ALE. From the comms, they were using some sort of HF SELCALL.
systems much like Customs, but the data bursts were different. Once they went to "scan" 5089.5 would light up with various data exchanges between the units. At the same time, I also heard the same data bursts on 6730, 8967, & 11225. GS-1 seemed to be "coaching" the others on how to work their comm units. (CG)

5211 KGE22: FBI, Quantico, Va 1801 USB wkg WGY912, FEMA Special Facility, w/check-in during SHARES exercise. Arrow 34: CAP Nat'l Capitol Wing 1810 USB wkg WGY912, w/check-in during SHARES exercise. (RB)

5270 Unid French Net (Possibly New Caledonia) USB (AB3)

5383 ZKCT Wellington NZ 0800 USB Civil Defence Central Region HQ wkg outstations (Channel Fox Trot - Central area working freq) (AB3)

5386 ZKHK Wellington NZ 0800 USB National Civil Defence HQ wkg ZKNT ZKCT (Channel Alpha - national calling freq) (AB3)

5389 ZKNT Auckland NZ 0800 USB Northern Region Civil Defence HQ wkg outstations NT2/NT32/NT37/NT41/NT52/NT54 (channel November - Northern region working channel) (AB3)

5400 Fiji 0755 USB Inter-island net in Fijian Lang. (AB3) Unid: PNG station 0810 USB mentioned Lae in Pidgin (AW)

5425 Goroka PNG 0923 USB Phone net in Pidgin (AW)

5448 Unid 0415 USB some type of time signal station???, although beeps were actually slightly faster than one second apart. Sounded more like the beeping a truck makes when it's backing up (TB)

5470 Unid NZ 0745 USB - Rural comms - farmer chat. (AB3)

5780 SECY: 1950 CW Calls to "NEW8". Also to "KQGL" "rpt k" "qsv k" "qsa2" "qtc". Tfc but qrm. (DW)

5795 Unid PTP net (probably Papua New Guinea) 0820 USB US accents sounds like missionary network. (AB3)

5838 Unid: PHL 1015 USB presumed Manila w/long list of orders. (AW)

5841 S3A2 DEA Ops 0227 USB c/lg PANTHER (DEA HQ, Bahamas) on Bravo channel. Extreme noise on this freq. (DF)

5909 BMB: METEO Taipei, TWN 1228 CW VVV CQ DE BMB FREQ 3641/5909/8117/13560 KHZ. (RK)

6066 Unid: 0950 USB w/Two stn in Asian lang, pp Not CC or JJ (AW)

6975 Unid 2145 USB two women w/discussion in French (TB)

8982.2 Unid: 1725 CW slow hand morse, mix of figs/letters. (DW) (also a unid in WUN 5/95, 7/95 -LOGS)

9079 CIA numbers station 0730 USB till 0745 (ANEE)

9079 Numbers station 2238 USB lady w/British accent w/SFG's/11545.0 (TB) (probably Lincolnshire Poacher -LOGS)

9320 OXL: MOI Prague, Cz 0331 USB YL in Czech w/5LG's. (RB)

9331 UNID: 1211 CW 5LG's, no id off w/sk +++ at 1216. (EW)

10452 Unid Numbers Station 1023 USB w/5lgs. (EW) (interesting, former SAC frequency, probably now used by U.S. STRATCOM...notan EAM? -LOGS)

10594.6 MFA PYONGYANG? 0723 CW Hand morse (International of NK?). Language not recognized. Keying about 27wpm. (DW)

11470 Unid: 1210 USB Numbers Stations 3/2 letter grps (EW) (poss CIA -LOGS)

11545 M16 numbers station 1630 USB till 1645 (ANEE) Numbers station 2238 USB lady w/British accent giving 5-number groups //9263.0 (TB)

11689 Unid: 2135 CW (RT2)

12097.7 Unid: 2150 CW (RT2)

12097.9 Unid: 2205 CW (RT2)

12120.5 Unid: 2155 CW 'E' Marker (RT2)

12804.5 Unid: 2230 CW 'E' Marker (RT2)

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12804.5 Unid: 2250 CW (RT2)

14441 CLP1: MFA Habana, CUB 1401 CW clg CLP55. (RK)

14443 Numbers Sta: (unid) 0735 USB YL/EE in 3FG's. (RB)

14443 CLP1: MFA Habana, CUB 1401 CW clg CLP55. (RK)

14450 Numbers Sta: (unid) 0735 USB YL/EE in 3FG's. (RB)

14686 FLINT 462 2008 USB clg 463 for a ATLAS check (MF2)

15682 MI6 numbers station 1130 USB (ANEE)

15980 Mossad numbers station 1130 AM missed ident, new freq (ANEE)

17410 Unid: 1430 USB Israeli Mossad Station w/18hgroup message to EZI til 1445 (ANEE)

Contributors:

(A2B) Art Blair, Orangevale, Ca, USA (by mail): NRD515, Mh7000

(AAB) Andrew Brill, Auckland, New Zealand

(ANEE) Anonymous, Eastern Europe

(AB2) Alex Wellner, Sydney, Australia: Kenwood R5000

(BH) Bart Hoekstra, Leeuwarden, The Netherlands: Lowe HF-225

(BVR) Bert van Rij, Naaldwijk, The Netherlands

(BWS) Brian Wayne Scott, Denton, TX, USA: NRD535D, IC R7100

(CC) Charlie Chenely, Auckland, NZ

(CFG) Clayton F. Gibbs, Ga, USA

(CH) Carl Hender, Suffolk, UK: IC R72, JVFA, HAMCOMM

(CK) Costas Krallis, Athens, Greece: Yaesu 7700

(CL) Christine Lehman

(CM) Craig Mackinnon, Halifax, NS, Canada: Yaesu FRG-7

(DC2) David E. Crawford, Gainesville, FL, USA

(DF) Dan Fischer, E. Wisconsin, USA: Drake R8A & R8/JRC NRD525/Univ.M-7000v7

(DS) Dave Smith, St Louis, Mo, USA: DX-440

(DW) Day Watson, Clevedon, UK

(DW2) David Wright, San Angelo, Tx, USA: DX390, Grundig YB400, Univ.M-1000

(DW3) Donald Warner, Medway, Ohio, USA

(ED) Ed Deasy, Charrlottville, Va, USA: Hoka Code 3

(EG) Edward Griffin, S.Francisco, CA, USA: Drake R8/ATS803A/AOR8000/R7100/R1

(EW) Eddy Waters, Collinswood, Australia: NRD 525, R8, Hoka Code 3

(FFL) Fabio Luis Fonseca, Gravatai, RS, Brazil (by mail): Sony 2010

(GG) Gary Glaze, Great Egremont Valley, Or, USA: DX440

(HH) Harry "Hero" Hofmann, Zwolle, Netherlands: Yaesu FGR100

(HL) Henk Lammertink, Doesburg, The Netherlands, Lowe HF+PR150/Hoka Code 3

(Gold) Robin Hood, UK (by mail)

(HS) Hugh Stegman, Los Angeles, Ca, USA

(JB) John Burtenshaw, POOLE, Dorset, UK: FRG-100

(JD2) John Doe, London, England (by mail)

(JEB) Jason Berri, Torrance, Ca: R-2000, M-1000

(JH) Jeff Haverlah, Houston, TX, USA: R5000/R7/FROG7/RFB65

(JJ) Jeff Jones, Ca, USA

(JMP) Jim Pogue, Memphis, Tn, USA: R-2000, Sony 2010

(JP2) Jacques Pagnoux, western France: NRD535, AOR3000A

(JSJ) J.S. McDonald, Port Coquitlam, BC, Canada: R71A, M6000 (by mail)

(KH) Keith Haywood, Great Britain: Uniden CR2001, JVFA/HAMCOMM/MSCAN

(LB) Linda Brodsky, Malverne, NY, USA: Kenwood R2000, Universal M1000

(MC) Mike Chace, Bath, UK

(MES) Mark E. Schoonover, San Diego, Ca, USA: Kenwood R1000, PK232MBX, JVFA

(MF2) Mark Fink, S. Florida, USA: SWB

(MH2) Matt Hassock, England: AR3030

(MS2) Matt Stutterheim, New London, Ct, USA: (2)IC R71's, R7A, R9000

(MS4) Mohammad Sultan, Port Louis, Mauritius: NRD535, Universal M-1000

(MZ) Mark Zee, Waterford, Ireland: Philips D2999

(PP) Phil Potts, San Diego, Ca, USA: Drake R-8

(PPP) Paulo Pinto, Guimarães, Portugal

(PT) Peter Thompson, Crewe, Cheshire, UK: Lowe HF225/Universal M-7000

(PvdE) Peter van den Esschert, Arnhem, Holland

(RB) Rick "RD" Baker, Austintown, Ohio, USA: IC R-71A/IC R-72, M-1000


(RD3) Rob Davies, Northwich, Cheshire, UK: NRD535

(RJL) Bob Lewallyn, The Woodlands, TX, USA (was BL)

(RK) Ralf D. Kloth, Germany

(RT2) Robert Thompson, Kilgore, Tx, USA: R390A/FRG100/R-8/FRG7700

(SB) Steve Bottom, Cairns, Australia: FRG7700

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### Abbreviations Used

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<tr>
<th>Abbreviation</th>
<th>Meaning</th>
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<tbody>
<tr>
<td>//</td>
<td>Parallel with Frequency</td>
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<tr>
<td>FGG's</td>
<td>5 Figure Groups</td>
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<td>SLG's</td>
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If you have problems in this, or need further information contact Rick Baker at: utelistener@msn.com or ae411@yfn.ysu.edu

That's all it takes. There are no dues. A paper copy of the WUN Club newsletter can be obtained via our WUN publisher, Tim Braun, at WUN Publishing, P.O. Box 16533, Washington D.C. 22041-6533, USA, for the costs of printing & mailing at a rate of U.S.$1.50 per issue.

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Welcome to another issue of the single largest source of utility station information and the most widely quoted utility station publication in the world...the WUN Newsletter.

* Don't blame your paperboy, this edition is late due to a lot of factors beyond our control.

WHAT'S INSIDE:
- Membership News by Mike Wolfson
- International Civil Aero by Tony Orr & Peter Ivakitsch
- Ask WUN! by Colin Goodall
- The WUN Military Column by Jim Pogue
- New Products, Books, News and Reviews by R.D. Baker
- Nautical News by Jim Pogue
- The QSL Report by Martin Barry
- Utility Round-up by Ary Boender
- The WUN Logs Column by R.D. Baker & TEAM LOGS

MEMBERSHIP NEWS
Mike Wolfson, Membership Director
mwolfson@bright.net

Welcome to the WUN Membership News for May. I hope that listening conditions are improving for all of you and that you have lots of logs to show for your efforts.

The club continues to show healthy levels of growth. The main WUN list had 624 members at the beginning of the month. This is an increase from about 600 at the beginning of April. WUNNEWS had a total of 196 members, while WUN-DIGEST had 65 signed up. There are 34 getting the paper edition. Rick Baker did a survey of the BBS (non-e-mail/non-direct subscribing) sites and that number is now up to 135 members. This brings the total membership to 1,054!

By the way, our members are from 28 countries in May with Singapore and Austria being represented for the first time. Welcome one and all and its great to have you participating in the only WORLDWIDE utility listening club. With the addition of these two countries we have members from 35 different countries.

One of the trends I'm seeing in our membership statistics is that the membership is becoming more geographically distributed. A large percentage of our members have U.S. addresses. However, an increasing number of people are subscribing from other countries. This is good because of the different monitoring possibilities these members will be able to report and the different news items of interest to the group that people will be able to bring the attention of the membership.

As usual, I'm making a pitch for information for the club's database. If you're interested in participating please read on. The information will not be shared or used by anyone except club officers for club purposes. The database management program I'm using can accept ASCII text. I am requesting that you answer each question on a separate line followed by a carriage return. Please do not include the question itself in the answer, just the information requested.

Here is the survey:
E-Mail Address
Name
Where you're located (state/Province, Country)
Main receiver(s)
Main decoding equipment (HOKA, JVFAAX, etc)
Monitoring interests (aero, marine, etc)

That about covers things for May. Have a good month and good luck with your listening. Mike
Welcome back to another edition of INTERNATIONAL CIVIL AERO brought to you by WUN's exclusive network of wacky WUNners...I can hear the groans already. Well this month we'll dive straight into Vic's SELCAL CORNER, and that will remain the title from now on! :-) AIRLINE NEWS will follow that, and we've got a lot to catch up on as many airlines have added seasonal service for the Summer. Thanks to our contributors this month David Wells and Markus Buttinger and to Apollo C. Vermouth for the corrections.

===========================================================================

****SELCAL CORNER**** by Vic Gubbins
===========================================================================

As you can see below, we have a HUGE list of new and changed selcals for you this month although sadly, they have all been poached from another magazine due to the fact that only two people contributed anything this month. If I do not receive more news from WUN members for the next issue I shall not be writing it any more. For your information though, credits for all these codes go to a great UK radio magazine called The Monitor which was sent to me recently via one of it's contributors. The magazine covers all types of overflights for the UK as well as world civil and military HF traffic and makes very interesting reading as it also contains topical aeradio news and selcals. Sadly, due to it's UK concentration, it is not available outside of Britain although if you live there and are interested in the mag, full details can be obtained from 9 Gleadsmoss Close, Oakwood, Derby, England DE21 2BP. As for the rest of us non-UK selcal collectors, we'll have to stick to WUN so send those codes in to me please via Tony's e-mail address at the top of Civil Aero.

5B-DAS    CYP A310 HQ-LS
5N-TNO    XXX B707 DE-AB
9M-MAS    WOA DC10 EG-AD
AP-BEY    PIA A300 GL-EK
C-FTDU    SSV A320 HJ-MQ
C-GCI0    CLI A310 GS-JQ
C-GMPG    CWW A320 KS-ER
C-GVXD    CMM A320 LS-GK
D-ADBC    BAG B737 LQ-KS
D4-CBG    TCV B757 MQ-ER
EC-154    IBE A340 DJ-RS
EC-276    AEA B767 JR-AG
EC-BQV    IBE DC9 KM-EH
EC-FYP    AEA B737 FS-BP
EC-GAZ    AEA B737 LS-DF
EI-BKK    EIN B737 BD-HR
EI-TLE    TLA A320 GJ-AC
EI-TLI    TLA A320 JQ-CR
EI-TLJ    TLA A320 GH-LM
F-GFKQ    AFR A320 EH-GM
F-GKXA    AFR A320 BM-LR
F-GPVB    LJB DC10 AL-HJ
F-GRSC    SEU B737 MS-AJ
F-GTOD    CRL B747 GM-DJ
F-ODSX    AMY A310 HK-GR
F-OHIL    MEA A310 CL-FJ
G-CIVI    BAW B747 BG-MS
G-GKRT    CKT DC10 JM-EL
G-OALA    ALT A320 JR-DQ
G-OITL    AZA B767 LR-JS
G-UKLJ    ULE A320 HL-MP
HB-IIIF    TSW B737 LR-FM
N104CK    CKS L101 DF-LM
N229NW    NWA DC10 DK-BG
N247JM    AJM A300 DH-CF
N277WA    WOA MD11 JM-FL
N278WA    WOA MD11 JM-GH
David Wells in the UK also contributed information regarding Excalibur's new DC10-30 G-GOKT this month. David also comes through with the following:

Excalibur is now leasing DC10-30 V2-LEH selcal FK-BL from Skyjet Antigua until further notice. A big tip of the ICA cap to you, David!!!

Many thanks to Steve Bottom for providing us the new Ansett selcals!

Quite a good selection isn't it? Come on WUNners now it's our turn!

73, Vic

===========================================================================

Editors note-I am hoping that next month we will have some of our regular selcal contributors back in action, and let's all show Vic how much selcal info we can come up with for next month!

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AIRLINE NEWS

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BRITISH AIRWAYS will begin daily service from London (Gatwick) to Phoenix and San Diego effective 1 July. BA277 LGW-PHX dep 1200 and arr 1435 and BA276 dep PHX 2130 arriving LGW 1550+1 using DC10-30 equipment. By the 20th of May, JAT should have begun scheduled service to the United States as noted previously in this column. LTU has begun seasonal scheduled service between Dusseldorf and New York (JFK). LT1551 departs JFK 1630 arriving DUS 0605 on Fridays, LT1550 departs DUS 0905 arriving JFK 1115 also on Fridays utilizing MD11s. To SFO LTU operates LT1528 DUS-SFO dep 1145 arr 1410 and LT1529 SFO-DUS dep 1630 and arriving DUS 1155+1 on Wednesdays also with
MD11's. AMERICAN TRANS AIR has also begun scheduled service for the Summer to Belfast and Shannon with the following schedules:

- JFK-BFS TZ204 dep 2230 arr 1000+1 Saturdays
- BFS-JFK TZ205 dep 1130 arr 1335 Sundays
- JFK-SNN TZ242 dep 2115 arr 0830+1 Sundays
- SNN-JFK TZ243 dep 0945 arr 1150 Mondays

AUSTRIAN AIRLINES has added a second flight from Vienna to JFK on Mondays, Thursdays, and Saturdays: OS503 VIE-JFK dep 1715 arr 2050 and OS504 JFK-VIE dep 2215 arr 1250+1 using A310's on the route. AIR MAURITIUS has been using L1011-500 V2-LEO leased from CARIBJET on a few of its flights: MK744 MRU-BOM/MK745 BOM-MRU/MK746 MRU-SIN/MK747 SIN-MRU/MK750 MRU-BOM/MK751 BOM MRU.

AIR JAMAICA has indeed commenced it's Transatlantic service from Montego Bay to London-Heathrow as noted in last month's column. This was verified via ACARS loggings here in Reston the past two weeks...An interesting development on the island of Cape Verde: TACV-CABO VERDE AIRLINES has acquired a 757 for use on services to Europe and Boston, expect schedules to appear next month. ICAO Code is TCV. Listen up for CATHAY PACIFIC's new 777's to appear on routes from Hong Kong to Taipei, Tokyo, Bangkok, Bahrain, and Dubai effective this month. VIRGIN ATLANTIC began nonstop Manchester-Orlando A340 service on 17 May with new A340 G-VSUN. Flight numbers are VS075 MAN-MCO and VS076 MCO-MAN and operate except Tuesdays.

VIRGIN also begins daily London (Heathrow)-Washington (Dulles) A340 service effective 26 June. VS021 LHR-IAD departs the ‘Row 1130 arriving IAD 1500 and VS022 IAD-LHR departs 1825 arriving 0645+1.

UNITED adds a THIRD seasonal round-trip from IAD to LHR effective 6 June. UA924 departs IAD 1830 arriving LHR 0650+1, and the return UA925 effective 7 June departs LHR 1135 arriving IAD 1455 with 767's listed as the aircraft type. UA918/919 and UA920/921 both become 777 service effective 7 June.

UNITED also begins Chicago-Dusseldorf service effective 6 June. UA952 dep ORD 1700 arr DUS 0840+1, and the return UA953 dep DUS 1120 arriving ORD 1335 with daily 767-300s. The 747-400 appears for the first time on UNITED's scheduled Transatlantic service with UA940 ORD-FRA and UA941 FRA-ORD switching over. Second daily flights have been added between SFO and LHR, the flight numbers are UA954 SFO-LHR and UA955 LHR-SFO. AIR FRANCE will add a second seasonal flight from Washington (Dulles) to Paris (CDG) effective 14 June. AF025 departs IAD 1600 arriving CDG 0525+1 and AF026 departs CDG 1100 arr IAD 1320 using 747’s and operating only on Fridays, Saturdays, and Sundays. Effective 15 June AIR LIBERTE begins nonstop Bordeaux-JFK service with the following sked: VD1975 departs JFK at 1645 on Saturdays and at 1615 on Mondays and Wednesdays, and the return from BOD VD1974 departs Merignac Airport at 1130 on Mondays and Wednesdays and at 1230 on Saturdays. EL AL ISRAEL begins weekly ORD-TLV nonstop with 747-400's effective 24 June. LY110 departs ORD 1300 on Mondays arriving TLV 0820+1 and LY105 operates TLV-ORD dep TLV 0030 arriving ORD 0510 Fridays. Effective 6 June CONTINENTAL’s daily EWR-MAN flights switch to the following flight numbers: EWR-MAN is now CO20, MAN-EWR is now CO21. AER LINGUS has started new Dublin-Chicago (O’Hare) service. EI125 dep DUB 1430 arr ORD 1650 on Wednesdays Fridays and Sundays. EI124 departs ORD at 1915 arr DUB 0845+1 using A330's.

LUFTHANSA has added nonstop Munich-San Francisco Service effective 3 June: LH459 dep SFO 1655 arr MUC 1310+1 and LH458 dep MUC 1130 arriving SFO 1440 with A340's on Mondays/Tuesdays/Thursdays/Saturdays. And finally, WORLD AIRWAYS fires up their seasonal sked with the following flights across the pond:

- W0502 EWR-DUB DC10 Thursdays
- W0503 DUB-EWR DC10 Fridays
- W0504 EWR-BFS DC10 Fridays
- W0505 SNN-EWR DC10 Saturdays (Eff. 8 June)
- W0506 EWR-SNN DC10 Saturdays (Eff. 8 June)
- W0507 SNN-EWR DC10 Sundays (Eff. 9 June)
A couple of corrections to last month's feature on Greek Domestic HF Aero:
Add Aristotelis-Kastoria (LGKA)
Megas Aleksandros is Kavala (LGKV)
Dimokritos is Alexandroupolis (LGV)

And with that we close another edition of International Civil Aero. Please
send you contributions to the addresses listed above, and please let's all
give a round of applause to this month's contributors! From all of us to all
of you, 73 and good DX!

ASK WUN
THE INFORMATION STATION FOR WUN MEMBERS
ASK YOUR QUESTIONS HERE
Colin Goodall, editor
****************************************************************
If you have a question or you can provide an answer then use
this section. Let's hear from YOU.
****************************************************************
Send your requests to: colin.goodall@sspdl.co.uk. Or by mail to
C.F. Goodall, Stoneway, Hazleton, Gloucestershire, GL54 4EB, UK.
****************************************************************
1. FOLLOW UP TO PREVIOUS NEWSLETTERS
************************************
FROM: Mark Schoonover (schoonoom@ccmail.sgo.sony.com)
Subject: Computer Noise

Colin:

I read the April "Ask WUN" column and I had similar computer noise after
an upgrade. It was related to my monitor and the resolution I was running it
at. The system was unusable with 80x40 DOS character based programs, but when
I switched to Windows NT and the resolution was at 640x480, still tons of
hash, but when I changed to 800x600, it was better, and then to 1024x768 it
was almost gone.

I have an indoor dipole with a feed point about 20' from the PC and by
installing a balun, the noise is completely gone. I live in a second floor
apartment, so the only ground I have is through the ground lug on the 120 AC
line.

Mark

Thanks Mark for your help. Can you try this Barry?

From: dwgenti@globalnet.co.uk (David W. Gentile)
Subject: John of London and UNID stations
Colin,

Unfortunately I do not know anything about this user, but can you please
pass on my congratulations to John of London concerning his question? I just
happened to be reading it in the April newsletter just five minutes prior to
this guys daily testing, It was really interesting stuff he passed.

John- OUTSTANDING CATCH!! Dave.

2. HELP WANTED

Pagina 381
FROM: Jacques Pagnoux <pagn1096@eurobretagne.fr>

Hello everyone!
I have a request especially for US and British WUNers: is there any such
group/newsgroup which could be compared to WUN but who specialize in VHF/UHF?
I would also like to read/send/share loggings in those frequencies. Any
answer, to my personal e-mail address please. Thanks! Jacques. West of
France.

OK folks what have we got? There used to be Black Cat in the UK
but they died earlier this year I think. Anyone got any info?

FROM: Joe Polchlopek <joe@netcom.duke.edu>
Subject: RTTY software for PC?

Hi Colin,
I just subscribed to WUN and have a question I didn't see addressed
in the included FAQ. I hope you can help me get started. I recently dug out
my venerable old Sony ICF-6800A receiver and was happy to find it still works
perfectly after about 5 years in storage. I am interested in using my
IBM-compatible computer (486DX2-66, Win95) to demodulate Morse code and RTTY.
I did this many years ago using a VIC-20 and an add-on card called an AIR-1
(I think). I'm anxious to re-learn this interesting use of radios and
computers and hope I will be able to do it using my present equipment. I
realize I may have to add some hardware between the radio and computer.

Thanks in advance for any information! --Joe

Well my favorite is HOKA Code3. What about all those shareware and
freeware programs in use out there - help needed folks.

FROM: Jesus Martinez

I'm a Sciences student in Spain, my favorite hobbies are electronics,
computers, and ham radio. A few days ago i read an article from your magazine
which was very interesting, about a packet radio communication intercepted
by you from a ship of the Navy (U.S. Naval Academy -ed).

Well, i'm new at this of packet radio, and i'd need some help for
starting, i'm interested in receiving images from weather SAT's, but i need
to know how to make the interface for my computer, and what programs i can
use for do it, and how can i get them (and ftpsite in internet). I'm
interested too in radio bbs, i know how to make a rudimentary modem, but i
need the software for it.

My equipment is composed by a pentium pc compatible, with svga and
sound blaster 32 PnP (can i use this sound card for packet radio?), a couple
of CB transceivers of 5W, a sw receiver that covers 550kHz to 30MHz band, and
another receiver of vhf (108 MHz to 160 MHz).

I need schematics about modems, names of comm's programs, and a place
in the internet where i can get them. On the other hand, i'm designing a rf
power final amp. for my CB transceivers, but i need the equations for the
final net impedance adaptor, can you help me with that?

Thanks for all, Yours sincerely: Jesus Martinez

If you can help Jesus let us know!

And with that it brings us to the end of another programme. A bit small
the column this month, presumably all of you WUNNERS have no questions to
ask....I don't think. Anyone got a problem that needs help, someone in the
membership will know the answer. Or like Jacques letter above, do you want
to contact other like minded people on a subject outside the WUN range? Try
This month you have a locum editor (Day Watson) allowing Ary to get some
exams out of the way and take well-earned leave on completion. I trust I
can keep up with the standard he has set.

***Aero RTT circuits.***
Looking back through the WUN newsletters from the start (Feb95) I see few
references to aeronautical point-point circuits on HF. The following table
is taken from my database and summarizes my loggings in the UK within the
last two years. (For ITA2 in my database read RTTY or Baudot).

A number of the African circuits managed by ASECNA have moved from RTTY to
a more reliable mode namely ARQ/342 (also ARQ-M2) with error correction.
Where used it is in the two channel time diversity form. Channel A is the
aero traffic circuit with circuit ID and numbered traffic whilst Channel B
is a general met broadcast.

Note the two (standard) Pactor mode frequencies. These have been noted
but reception has been extremely poor at my location. To date my only
assessment is a guess at Nigeria, either internal or to neighboring country.

Finally note the CW circuit on 16246.5. This is used between Nairobi,
Djibouti and Antananarivo.

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If you have any additions to this list logged within the last 1 to 2 years please post them to the list.

***Diplo Corner***.

Keeping the flow of diplo notes going this month we look at Australia, Nigeria, and Belgium.

### AUSTRALIA/MFA Canberra (thanks to Andrew Brill in NZ for input). ###

Transmission modes used:
Sitor/A 100bd
Twinplex 100bd 255/85/85/255 F7bh1

Logged frequencies: 14854.7 14856
Reported frequencies:14806.7 18556 19414.5

Notes on operation:
Ministry of Foreign Affairs Canberra copied intermittently by AB (NZ) on 14856 in the Australian afternoon (around 0100h0300z) with traffic in both Sitor A and Twinplex to Pacific Island nations. Sitor/A has been copied in plaintext but Twinplex is invariably encrypted.

AB (Feb96) notes 14854.7 h Daily for the last 3 days Twinplex idling on this freq from 0200h0400Z. No traffic noted during this time. ISS station very weak and barely discernable. IRS reasonable strength. Sure this is Canberra with somewhere in the Pacific Islands.

Dictionary:
Austrade Embassy

Sample message formats:

Example #1 - Sample by AB 4/Aug/93

emdw604
rru nurudvxx (normally double spaced)
chchdvxx unc
o.ap16270 1345 4.8.93 unc
to.
p. canberra/
 rp.
rr honiara/ honolulu/ nauru/
rr noumea/ nuku'alofa/ pohnpei/
rr port moresby/ suva/ tarawa/
rr vila/ wellington/

fm. apia/ fa ref o.ap16253/man
unclassified
aid: taro leaf blight outbreak in western samoa
to file 92/1461 from file 607/8

a meeting on the afternoon of august 4th was attended by representatives of western samoan government, fao, spc, aidab farming systems project, commercial agricultural development project(usa)

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and ireta(usp) to hear developments in the outbreak of taro leaf blight caused by the fungus phytophora.

### NIGERIA/ MFA/MEA Lagos ###

Transmission modes used:
- FEC/A 96bd E 720hz

Logged frequencies: 19357
Reported frequencies: 19643.5 19645.5 19988.5 21408.2 23355 24060

Notes on operation:
- Language: English
- Off-line encryption (5 ltr groups).
- Two stations alternate on same frequency.
- Routing occasionally as MFA for KNS ie MFA Lagos for Embassy Kinshasa
  "External TAC Abuja" also observed.

Dictionary:
- External Address for MFA Lagos (occ External Abuja)
- Foreign Signature of MFA Lagos
- BGY Lagos
- KNS Kinshasa
- MEA Ministry of External Affairs (alternate to MFA?)
- MFA Ministry of Foreign Affairs
- ndc Nigerian Diplomatic Code?
- Nigerian Nigerian Embassy
- NUK Nigerian UK (London Embassy)

Sample message formats:
- -------------------------------
  Example #1 - Basic message structure
  
  Nigerian Kinshasa (Originator Nigerian Embassy Kinshasa)
  12/2/93 (1350 hrs) (date time)
  Immediate Nigerian UK London (Priority - Addressee Nigerian Emb Loc)
  UNND x ("UNND" ? and "x" in lieu of STOP)
  t e x t
  Nigerian Kinshasa (Originator signature).

  -------------------------------
  Example #2 - Message from Kinshasa
  immediate external abuja (Addressed MFA Abuja)
  tel: no: 48 (Telegram nr)

  ===========
  for gg's office from claude-wilcox
  rpt to: prcd
  we are being inundated by enquiries and comments from both press and individuals on the political happenings at home xx in most instances we appear inadequately informed on latest happenings stop we therefore wish to request that developments on the political situation at home are despatched to us on a regular basis as they happen so that we can be fully abreast with government's positions and decisions on the problem stop the press comma the diplomatic community and private individuals here show a lot of interest and concern on the current happenings in nigeria stop

  nigerian kinshasa (Nigerian Ambassador)
  27/07/93 : 1230 hrs

-------------------------------

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Example #3 - Press summary header

bgy for all missions (from MFA Lagos)

for duty officers x prestel for ur cfmation please x
to all missions
=
prestel p/lo 163
---

press summary - 21/7/93

receiving a delegation of igbo traditional rulers yesterday, pj
president babangida told them that the corporate existence of
nigeria as one entity was not negotiable and ruled out the
escalation of the political crisis, reports the daily times x
nigeria as one entity was not negotiable and ruled out the
escalation of the political crisis, reports the daily times x

<snip> <snip>

the observer quotes a washington-based population reference
bureau as publishing in its 1993 data sheet that nigeria has
a population of 95.064 million people, ranking as tenth most
populous country in the world x
the daily champion informs that oil price has crashed to fifteen
point nine eight us dollars a barrel against our 199 3 budget
price of seventeen point five zero x
the imf has advisedafrican government s to cut down military
expenditure and accord adequate priority to restigious deveh
lopment programmes for high economic growth reports the punch x

foreign lagos (From MFA Lagos)
21/7/93
1633 hrs

for duty officers x

grateful confirm if rok there x
bgy out on stdby x

Example #4 - Service message

allallallallallallallallallallallallallallallallallallallall all bgy for all
bgy for all missions
und x for duty officers x
this is to inform u that bgy is now open for normal operation
today 22/12/95 x msgs can now come in while cfmation
follows x sorry for silence for the past few days x it was
due primarily to power problems x grateful come in and cfm
how u copy this test call at yr respective ends x x

foreign lagos
22/12/95+++1

### BELGIUM/MFA Brussels (Thanks to Roberto R, Mike C and Geoff H) ###

Transmission modes used:
FEC/A 96bd
Packet 300bd
Type 6028 100bd (+ 105bd ITA/2 channels - either sideband reported)
(refer vft section in this issue).

Logged frequencies: 11105 14902 14474 (suppressed carrier of vft)
Reported frequencies: 10143 11506 15760 17481 18695 18810
24080.7 24805.7 24806.7 24808.7?

Notes on operation:
[Sun]
Language: French, Flemish(?), Dutch
Messages in paged offline encryption (5 letter groups)
WUN-v02

6028 vft currently (May96) has channel 2 missing.

Reported callsigns/selcals for parent MFA/Embassies:
D40 Brussels
D46 Cairo

Dictionary:
ambabel Belgian Ambassador
belext bru MFA Brussels (Belgian exterior Brussels?)
clear in the clear.
kode in code, encrypted
objet Subject or reference
Varsovie Warsaw?

Sample message formats:

Example #1 - call sequence - D40 (Brussels) calling D46 (Cairo) - 10/Apr/96

test d40 test d40 test d40
the quick brown fox jumps over the lazy dog 1234567890
the quick brown fox jumps over the lazy dog 1234567890
the quick brown fox jumps over the lazy dog 1234567890
d46 d46 d46 van d40 d40 tu me recois tuours bien ???? kkkk

Example #2 - Chatty op exchange signing off (in Dutch) - (RR)

zo eddysindieff-vyt nopzjvnpn-le prettige dag veri-xer en to
no--------h-------- dag verder en to nog eens kkkkk

<a bit garbled. it sez 'so Eddy ..... have a nice day. see you later>

okokok linda dat is 5555 danke en ook eengoeie dag verder bibibib

<ok Linda that is 5555 thanks and same to you. bibibi>

Example #3 - Messages encrypted and plainlanguage (French) - 31/Jan/96(RR)

belext bru a ambabel le caire (MFA Brussels to Cairo Ambassador)
20 du 31.01.96 kode (nr20 of 31/Jan encrypted)

rpt varsovie (Repeat Warsaw?)

zzzzz abzit abzit abzit abzit abzit whfts icart utdmr daajk
qggej iolze buqdp vmnxsy kasrl dwujd jwutd luvcz
dypwzw zcsyh hebtz ljcgk yarrg qdzig uqgxw vmjvn nxmyx stvnc
ifqic grrnn cplza vcrzv lgdmi ccpxf defps pgdbf svcxm tnwz

eahdy kaxou rgsvk nffis azgku liupa rmqlp phcpi fwrpg gvcij
jjudl wquis tfgru tirkl uyzzb heikw zucrv cdebl xbtj gkkbl
ylvkr mwml oifzv irzpj rfodt tkevq ctufd baotj hvdav pswhpt
wrdrs meapi ragso cdpm bcldv pgdft yogwd zaipe gbkoio lfsza
ykriy lypkj vckxy rujcr qbwkj wmrj xhps qhpr oowwhp oowka dics
tnrh jnkgq b0lzi zhgay ihteb wpmrh tcdr tarck damkp bftqfb
wdruz fwmvd wyzaa ygqcf grhprr uxbqj ewjwrh snhrq sjfcg feqeg
nlxri xxzxmo ogtil upgpxv qcpop aenpmg ecwkj pwrko vjgms gazzck
zzzzz
bt
gr121 (group count)
nnnn
belext bru a ambabel le caire (MFA Brussels to Cairo Ambassador)
21 du 010296 clair (nr 21 in plain language)
p52

objet : importations belges de ptrole de libye (Subject)

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concernant votre questcon sur les importations sous rubrique, vous
communique les chiffres suivants :

1. pétrole brut (stocks inclus) :
   1992 : 1489 t.m. (tonnes métriques)
   1993 : 1856 t.m.
   1994 : 907 t.m.

2. part des importations de pétrole brut (+ stocks) en Belgique par
   rapport au total des importations belges :
   1992 : 1489/32.597 +/- 4,57 pcnt.
   1993 : 1856/30.934 +/- 6 pcnt.

derycke

Example #4 - News in Dutch - 1/Feb/96 (RR)

eader
creator : new york - uno - pol
at : 01/02/96 17:08
ref : new york - uno - pol / fax 83 / 00150
subject : vr - soedan - resolutie 1044
reply to submhnr :
destinator : brussel - p.31polza1

distribution list :
copy :
   addis abeba - pnd.dummy y
   brussel - p.51 y
   brussel - p.52 y
   cairo - pnd.dummy y
   londen - ambassadeur y
   moskou - pnd.dummy y
   paris - ambassadeur y
   peking - pnd.dummy y
   washington - lambassadeur y

visum :
keywords :
originator : new york - uno - permrep
02/02/1996 96/00107

body
from : nr
reaction : ter informatie
fax : 3

betreft : vr - soedan - resolutie 1044

samenvatting: vr neemt resolutie aan waarin de
tussenkomsten van de oae in het geschil
tussen ethiopie en soedan volledig gesteund
worden en soedan nogmaals opgeroepen wordt om
de verdachten van de aanslag op de egyptische
president uit te leveren.

1. vr heeft vandaag bij unanimiteit resolutie
   aangenomen waarin soedan verzocht wordt om gevolg te geven
   aan de eerdere resoluties van de oae, nl. de uitlevering
   zonder verzuil aan ethiopie van de verdachten van de aanslag
   op de egyptische president moabarak en het afzien van het
   verlenen van steun aan terroristische elementen.

2. tijdens informele consultaties werd de tekst van
   de ontwerpresolutie (waarvan ik u reeds kopie toezond met mt
   71 van 260196) nog wat bijgeschaafd, zonder echter aan de
   essentie te raken. soedan wordt opgeroepen om te voldoen aan

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de eerdere verzoeken van de oae en de secgen moet binnen de 60 dagen aan de vr rapporteren over de implementatie van deze resolutie. wat er dan eventueel zal gebeuren indien soedan niet zou gereageerd hebben, wordt bewust in het vage gelaten. het opleggen van sancties lijkt in de huidige vr-context vermoedelijk op enige tegenstand te zullen lopen. egypte en de rest van de nam hopen dat de politieke en psychologische impact van deze vr-resolutie voldoende zal zijn om soedan zonder al te veel gezichtsverlies toe te laten de zaak recht te zetten.

3. vooraleer tot stemming van de resolutie over te gaan maakten ethiopie en soedan gebruik van hun spreekrecht in deh-vergadering. ethiopie legde de nadruk op de graduele aanpak van het probleem (eerst bilateraal, dan regionaal) en op het nog steeds aanwezige 'goodwill'-arsenaal in addis jegens khartoem. soedan van zijn kant veroordeelde nogmaals alle vormen van internationaal terrorisme en stelde geen enkel probleem te hebben met de objectieven van de voorliggende resolutie: afzweren van terrorisme en uitlevering van terroristen. het betreurt echter dat de tekst geen rekening houdt met de in dit verband reeds door soedan ondernomen stappen. deze gemoderernde reactie van soedan sluit alvast de hoop niet uit op een minnelijke regeling van de zaak via voldoende psychologische druk.

4. aan het formele debat namen alle vr-leden deel. samenvattend kan gesteld worden dat de vr-leden er niet van overtuigd zijn dat soedan zich voldoende ingespannen heeft om de verdachten op te sporen, dat de internationale gemeenschap een duidelijk signaal wenst te geven dat terrorisme niet getolereerd wordt en dat de actie van de vn complementair is aan de tussenkomsten van de oae.

einde van de tekst <end of text>
Sample message:

```
ytqy ytqy ytqy ytqy ytqy ytqy ytqy ytqy ytqy ytqy ytqy
```

eastern mediterranean athens 27/2/96 0745 gmt

foll for mt lucky lady

---

re tlx 26.2.96 engine spare parts pls adv

aa. epeidi den exoume spare parts book to

piston valve einai to idio me to

p~~~~~~~~ piston rod pn 3 pou einai sto stock

list me 3220131

bb. me issa 590812 line lubricator posa

zitate ???

rgds/i.giannou

wf te/sp/op(m)

30313 marry x

O Noble Drilling (West Africa) Ltd

Frequency: 6223.3 kHz

Selcals noted: qcck, fyyf, fyyq, fyyx, fyyyn, fycf, fykk, xuus, fyyc

Rig | Selcal | Location
--- |-------|--------

Percy Johns 8773 fyyk eku 18-a

Noble West Africa ubit 83 g

Tommy Craighead inanga 2

Lewis Dugger cauthorne channel 43

Don Walker 8768 fycf ubit 84 g

Lay Norble 51

Porthartcort 2663 qcck Portharcort

O Unid Greek net

Freqs: 8361.8, 12451.8, 16551.8, 16671.8 kHz

Ships: 00023 mv Aulu, 00100 mv Voyager, 00002 mv Ilob, 00013 mv Trijm

Selcals noted: tvvx, txkk, txvk, tvqk, tvqk, tvqk, tvvq, tvvq, tvqk, tvqk, tvvq, tvqk, tvvq, tvvq, tvvq, tvvq, tvvq, tvvq, tvvq, tvvq, tvvq

*** Multiple channel VFT. ***

Multiple channel voice frequency telegraphy (MCVFT or VFT for short) sounds complicated (and I suppose it is) but it is simply the function of using a modem to change the two states (mark/space) each of a number of telegraph channels into two tones (voice frequency) per channel and applying these to what is basically an SSB RT transmitter. USB is the usual choice.

There are quite a number of architectures in use from 2 to 16 channels. Some are to agreed International (CCITT) Recommendations since these were used between PTTs of different countries. I say were since the majority of PTT circuits have transferred to satellite.

Other VFTs are multiple channel carrying fully on-line encrypted military
traffic either (one must suppose) with independent data per channel or each carrying the same traffic in a form of frequency and/or time multiplexed error correcting system. Some of these are variants on the International recommendations but often there is no requirement to meet such standards since they are internal to a single administration.

Whilst far short of the results that can be obtained with the audio spectrum modules of CODE30, a good screen grabber and the graphics facilities of WP5.1 the following is a simple way of outlining the construction of a VFT within the limitations of a text file. The scale represents the 3 kHz USB of the suppressed carrier f0. Channel placements are indicated at the approximate offsets (Hz relative to f0) with M and S representing Mark and Space tones respectively. For want of an alternate system I refer to channels incrementally away from the suppressed carrier ie Channel 1 is nearest to the suppressed carrier.

When I was planning this section I was reminded that WUN has, at the web site, a DIGITAL FAQ section which includes a number of these VFTs and that I might like to include the German Navy (DHJ95) and British Piccolo VFTs.

Example a. German Navy (DHJ59 and warships)

```
<table>
<thead>
<tr>
<th>M</th>
<th>S</th>
<th>M</th>
<th>S</th>
<th>M</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td>f0</td>
<td>1000</td>
<td>2000</td>
<td>3000</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
```

Regularly logged as voice transmissions for RTTY coordination the above shows the digital vft within the USB passband. Three channels appear offset +1190/1870/2550 Hz from the suppressed carrier f0. Each channel is 170Hz wide. Data is online encrypted at 150 or 200bd. One can only assume that the three channels carry parallel data possibly time delayed on each other (similar to the 6028 system example c below) to provide a frequency division multiplexed system to alleviate transmission errors.

Freq (f0): 2625 4154 6731 6779 8335.5 10271.8 10192.5 10772

Example b. British military Piccolo

```
<table>
<thead>
<tr>
<th>MS</th>
<th>MS</th>
<th>MS</th>
<th>MS</th>
</tr>
</thead>
<tbody>
<tr>
<td>f0</td>
<td>1000</td>
<td>2000</td>
<td>3000</td>
</tr>
</tbody>
</table>
```

These are often seen where 6-tone Mk.6 Piccolo is employed. These may be two, three, four channel. Channels are located at offsets 510, 910, 1310, 1910 Hz. Usually USB but LSB is not unknown. All traffic channels are fully online encrypted. Channel 1 is the engineering channel and will sit idle, often for hours. Idle is alternating two central tones, 20 Hz apart.

Occasional engineer exchanges in the clear can be noted. Mk.6 12-tone Piccolo is normally found stand-alone ie not part of a vft.

Freq (f0): 7595 9226 9265 10261 10967.5 11018.5 12065 14510 14593 15855 16205 18057 18879 19053.5

Example c. Type 6028, or "Barrie"

```
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>f0</td>
<td>1000</td>
<td>2000</td>
<td>3000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
```

This is a time-and-frequency multiplex system in which a single channel of traffic is transmitted, not quite simultaneously, on up to 7 FDM channels spaced 340Hz. The individual channels are 170Hz and are offset at
+850/1190/1530/1870/2210/2550/2890 Hz with an unmodulated pilot tone at 561 hz. This is a common vft but the individual channels run at 75bd and are fully online encrypted. (However see Belgian Diplo above. They use ITA2 at 100bd either in the clear or offline encryption.) Otherwise the baud rate can be up to 110bd.

This system sends the data bit by bit over each channel. The receiving equipment then assesses each channel for a majority character ie over the seven channels the data is received as say P P A P S P P where the majority character is the letter P and this is the one passed to line. By mutual agreement the circuit may not support all channels; MFA Brussels currently does not use channel 2.

Freq(f0): 4083 6785 8172 10616 11010 11105 14821 14902 14474

Example d. RN Gibraltar/GYU

<table>
<thead>
<tr>
<th></th>
<th>M</th>
<th>S</th>
<th>M</th>
<th>S</th>
<th>M</th>
<th>S</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td>f0</td>
<td>1000</td>
<td>2000</td>
<td>3000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The RN employ various vft structures for broadcasts to ships. Here all channels are 75bd but each has a different shift.

Ch.1 +600 200 hz Note reversed ie low tone is the space. Used as the channel availability broadcast.

Ch.2 +1105 85 hz 7bit with blocked encrypted traffic.

Ch.3 +1785 340 hz Fully online encrypted.

Ch.4 +2550 850 hz Fully online encrypted.

Freq(f0): 2824.3 4220.3 6370.3 8625.3 12823.3 16986.3 22668.3

Example e. RNZN Waiouru/ZLO

<table>
<thead>
<tr>
<th></th>
<th>M</th>
<th>S</th>
<th>M</th>
<th>S</th>
<th>M</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td>f0</td>
<td>1000</td>
<td>2000</td>
<td>3000</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Two 75bd fully online encrypted channels (1- 200hz at +600 and 2- 850hz at +2000) with a CW marker at +2800hz.

Freq(f0): 6337 8598.5 12717 17224.8

Finally

16x85 type (CCITT R39-1) nicknamed in the States I believe as "bandsaw". This consists of up to 16 x 85hz wide channels spaced at 170hz intervals. Just a note to indicate this was (may still be by RAN) used by RAN and the USN. The RAN broadcasts were fully encrypted. The USN however had two clear channels - Ch.14 weather at 74.2bd from KAWN, and Ch.16 AFRTS(?) news at 50bd from APN/UPI. Unfortunately these seem to have disappeared in the last two/three years from HF to that big bird in the sky.

*** Meteo matters ***

MOSCOW MET - In early April I noted Moscow seemed to have dropped his RTTY broadcast. This was later confirmed by Klaus Betke who also posted a short list of active European met (RTTY) stations following a two-day scan.

I'll repeat these for those of you who don't subscribe to the list and say thanks to Klaus.

Bracknell, G 4489 6835 10551.3 14356 18230
Hamburg, D 147.3 4583 7646 11039 11638
Grengel, D 2690.7 5083
Prague, CZR 3196
Warsaw, Pol 111.3 129.5
Rome, I 3172.5 5887.5 11453
Bucharest,Rom 4002 5731
Sofia, Bul 11063

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MOBILE RADIO/WLO - another station, not quite ceased, but certainly who has ceased his TSBS (Time scheduled broadcasts). The service message being sent with traffic lists and other station info is "FEC mode sitor telex tsb wx broadcast ceased Jan 2 1996. Wx products available arg mode telex are charged. Please ask the operator for details". Another casualty from the US Government budget restrictions?

ROOSEVELT ROADS ? - on the other hand a new station popped up on 3393.7 kHz 0630-0720Z in UK using 75bd at 850hz and sending KAWN originated weather. Their marker when run had no ID but current indications are USN at Roosevelt Roads. David E. Crawford sent me the following comments - "Have been hearing it here in Florida for the past couple of weeks also. Current sked seems to be 00-12Z, and haven't found a plain text local daytime channel if one exists. Content consists of KAWN wx for the Caribbean area (TAPA, TFFF, TBPP, TJBQ, TTPP, MUCU, MUGM mostly) in random order, KAWN synopsis for the Guantanamo OPAREA, National Weather Service plain English general forecast for the Virgin Islands and Puerto Rico, and frequent Atlantic/Caribbean commercial aircraft position reports. Given the traffic, I'd say Rosie Roads is an excellent candidate for a location. Transmission is typically intermittent, but does come up at least once every 5 minutes for the time hack mentioned by Day. This weekend they've been running mostly continuous quick brown fox stuff. There's never any circuit or station ID that I've seen."

Then I noted 7784 kHz radiating met 75bd at 850hz at 2240z on the 7/May. Originator KAWN. Klingenfuss Utility Guide for 96 lists this as USAF AWS Ceiba in Puerto Rico. Another email to David - was this the daytime channel he was looking for? He replied "Have heard the 7784 outlet here also (good aviation weather source, actually). Based on the signal level, it could indeed be Rosie Roads, as Elk Horn (the mainland KAWN site) doesn't come in very well here in Florida during the daytime, while 7784 is always very strong. I vaguely remember this running parallel to the 5905ish Elk Horn tx when checking one night, will have to check again to confirm. Now (0130Z) Elk Horn is completely inaudible and appears to be off the air (3230/5905/11119, all appx), while 7784 is active and strong. 7784 seems to run around the clock now, though I have heard them pull the plug on occasion.

If 7784 is Rosie Roads, it would be consistent with USAF transmitter usage there for WEFAX transmissions on 4855/7397/7870 (night) and 11622/15781/19363 (day); this was supposedly activated as a replacement for the Homestead AFB station destroyed in 1992 by Hurricane Andrew. The HF FAX txs at Rosie are apparently fed from Offutt AFB (as is Elk Horn) via "land-line" circuit.

Re. programming, I don't think 3393.7 and 7784 are the same circuit. 3393.7 has always carried very limited, Caribbean-only excerpts from KAWN plus the other stuff described earlier; what I've seen on 7784 has been the "generic" KAWN feed, i.e. mostly continental North America plus selected world weather.

I've run across daytime "crypto-crap" RTTYs around 6230 and 6940 during the past week that run on a 5 minute cycle of on/off, but didn't log the particulars since I couldn't copy the text; these may be encrypted versions of the 3393.7 circuit. Why the circuit owners would scramble during the day but not at night, I don't know. I'm still searching for a clear circuit.

At 0148Z, Offutt FAX reappeared on 11122 and 3233, but still no sign of the usually-accompanying KAWN RTTY. 3393.7 is also active with the usual every 5 minute appearances."

Much obliged for all your feedback, David - Thanks

*** Press ***
TANJUG Belgrade - One of their daytime frequencies - 11604 kHz YZI233 - remains listed in their ID strings but I've not heard it for some time. Far too long for transmitter downtime. Anyone with fresh info?

Deutsche Welle, Trincomalee, Sri Lanka. 15770 kHz (100bd 300hz reversed) appeared in posting's by Eddy Waters (Australia), and David Gentile (UK)
and subsequently in my log book 0800-0930z as a continuous marker without traffic. DW is of course Germany's well-known HF broadcaster with (broadcast) relay facilities in Sri Lanka. I seem to remember a similar transmission some years ago but from a DW installation somewhere in Africa. Is it a link to Germany? Keep monitoring guys - only traffic will reveal.

To complete this month's column thanks to Mike Chace for the following article:-

*** TURKISH POLICE IN BOSNIA ***

You can hear the Turkish Police stationed in Bosnia on the following frequencies; 11201.7 and 10801.7kHz. Stations transmit in standard 100bd/170Hz shift SITORhA between units in Bosnia and back to base in Ankara. Language used on the links is Turkish.

As some of you may be aware, an agreement was recently signed in New York between the Croatians, Bosnian Muslims and the Turkish who will form a joint police force. The official purpose of the force will be to "provide physical and symbolic comfort" for Bosnian refugees returning home. Some 200 police officers from Turkey are involved.

Traffic on the links is pretty routine and consists mainly of operator chatter and is also rather infrequent, the 11201.7kHz channel being the busier of the two. Short messages are sent about once every hour. The network appears to be active 24 hours/day and at the weekend.

In early March, the network used only selcal TVVC but since mid-April, other selcals TVVV, TVSV and VVSV have also been used. Messages monitored also mentioned a third channel "11000lsb" but no data has been copied there. Perhaps it is a voice-only channel?

Most formal messages on the links are signed (translated) as follows:
MR. BURHAN TANSU, CHIEF OF SECURITY, TURKISH POLICE FORCE COMMAND, BOSNIA HEADQUARTERS, VELIKA KLADUSA

During the recent Turkish "Kurban Bayram" holiday, the detachment sent many greetings messages back to Ankara. Practically the complete order of command within the Turkish Police, Security and MOI was revealed in detail!

Messages have also been signed "t.c.zagreb" which probably indicates that the Turkish Consulate in Zagreb is providing the diplomatic liaison.

My thanks go to Dave Batcho (dbatcho@lascruces.com) who provided translations of the traffic captured.

============================================================================

The WUN Military Column
Jim Pogue, editor (kh2ar@aol.com)
P.O. Box 3888
Memphis, Tn 38173-0888, USA

Luftwaffe in New Mexico!
Several WUN'ers sent information concerning the German Luftwaffe having a permanent training facility at Holloman AFB, NM after Paul Miller posted a question about the German aircraft over WUN.

Dave Batcho, who lives in Las Cruces, NM, confirmed that "the German Air Force are indeed here. They actually have been training in F-4's for about two years, but they now have brought the Tornados and I their training wing was 'officially' welcomed at Holloman a few weeks ago. I don't know if they are using HF at all, but I hear them all day, every day, on UHF out on Holloman and White Sands Range. Their accents are distinctive. I guess I ought to put together a list of call signs here one of these days in case they do come up on HF. Does anyone know if the Tornados are HF equipped? BTW, there will be a large number of German AF participation, including some unit coming over from Germany in the next few weeks to participate in the upcoming ROVING SANDS exercise which takes place here in a few weeks. There is a list
WUN-v02

of German forces participating in the exercise on the ROVING SANDS home page at: http://www.forscom.army.mil/Rsands/default.htm"

I didn't see a reply to Dave's question about the Tornado's being HF equipped, but if Dave sends a list of the callsigns he has heard, we'll pass them along for general reference.

Rick Albright says that "The Week in Germany, published by the German Information Center in New York, confirms WUN reports about the German Luftwaffe opening a training facility at Holloman AFB in New Mexico. Defense Minister Volker Ruehe said the base will eventually host 42 Tornado fighters and 24 F-4 Phantom fighters. The stable climate and sparse population were given as the reasons for this first permanent foreign military base on U.S. soil. As stated previously on the list, air activity at the base (and during Roving Sands) will probably be confined to VHF/UHF, but air traffic between Germany and New Mexico should provide HF comms (especially on Lajes freqs)."

Then Al Marote sent this information from the _Air Force Times_ magazine: "This was also confirmed by Air Force Times in the latest issue. The German Command at Holloman was established on 1 May and "several" Tornadoes have already arrived. The German government will spend $44 million to build a facility at Holloman.

Then we have this release from the Air Force News Service:

*German Air Force opens training center*

HOLLOMAN AIR FORCE BASE, New Mexico (AFNS) -

Part of the German Air Force has a new home in southern New Mexico with the opening here of the German Tactical Training Center May 1.

The TTC is the only facility of its kind in the United States and it commands two German aircrew training squadrons. An F-4 training squadron flies 24 aircraft with the instructors participating in the F-4 training program under contract with the U.S. Air Force. The Tornado training squadron uses 12 aircraft to provide academic and high-quality tactical flying training. The units are expected to fly about 2,500 sorties yearly.

The new facility brings 300 military people and more than 300 family members. The German government paid the moving costs of the aircraft and supporting activities and facilities, to include about $42 million in construction.

So we have some interesting possibilities there! Thanks to all for the great information.

Tom Roach forwarded an interesting article posted in the c4i group. There is still hope for HF comms, Tom reports...

BAFCEAEDU@aol.com

AFCEA=92 Professional Development Center will present its course on High Frequency Radio for Military Communications

June 24, 25, 26, 27, 28, 1996

This course is Unclassified.

Location: AFCEA International Headquarters, Fairfax, Virginia

The resurgence of high frequency (HF) radio communications has involved many who have not been associated with HF radio previously but are now responsible for operation, planning and/or management of HF radio systems. This course was developed specifically to meet the needs of persons without communications experience, or with a communications background but little or no HF experience or training. The course covers virtually all facets of military HF radio communications and provides students an appreciation of the many factors that collectively produce reliable HF radio communications systems.

Complex technical material has been simplified and focused upon the essential techniques needed to obtain reliable HF radio communications employing ground and skywave propagation. Basic applications and planning of military HF radio networks and systems, as well as the practical propagation characteristics, are included. HF antenna systems, both field expedient and commercially procured, are covered in detail. The course relies on basic...
reasoning and charts/nomographs, minimizing mathematics and background
physics. Emphasis is placed upon the practical application of basic theory
to lead the student through the complexities of the HF radio discipline.

OBJECTIVE
This course will provide students having little or no previous communications
experience a firm foundation and clear understanding of HF radio
communications.

WHO SHOULD ATTEND
This course has been designed for personnel having responsibilities involving
communications by HF radio or requiring an understanding and appreciation of
the basic principles, applications and practical considerations of HF, one of
the more complex forms of radio communication disciplines. Persons with
responsibilities in broad communications areas, e.g., planning, architecture,
design, whose background is primarily in line of sight or satellite systems
will find this course useful.

COURSE OUTLINE: High Frequency Radio for Military Communications
HF Radio Regulatory Matters
    International and National Policy
    Spectrum Allocation and Frequency Coordination
    Assignment, Rules and Infractions

HF Radio System Principles
    Noise and S/N Ratio
    Systems and Nets
    Modulation

HF Systems Planning/Engineering Considerations
    Elements of an HF System
    Technical Considerations
    Non-Technical and Logistic Influences

HF Radio Propagation Principles
    Ground Wave
        Line of Sight
        Surface Wave
    Skywave
        Ionospheric Composition and Cyclic Variations
        Influence of the Ionosphere
        Solar Anomalies and Compensating Actions
        Frequency Sharing

Propagation Prediction and Path Instrumentation
    Long Term Prediction
    Prediction Methods
    Path Performance Studies
    Near-Real Time Propagation Forecasts
    Real-time Path Instrumentation, Assessment and Frequency Usage

HF Antenna Principles
    Wave Creation and Radiation Patterns
    Transmit Antennas
        Self Resonant
        Broadband
        Tuned
    Receive Antennas
        Passive
        Active

Application and selection of commercially procured HF antennas
    Directive and Power Gain Relationships
    Broadband Antenna Applications
    Sector Arrays and Rotatable Antennas

HF Antenna Feed/Terminator Devices
    Antenna Feed Principles
Mr. Alan S. Christinsin, P.E.
Course Coordinator and Lecturer

Mr. Christinsin was a civilian communicator, engineer and instructor for the Air Force for over 40 years. He is currently President of ASC & Associates, Ltd., a communications consulting firm that specializes in high frequency radio communications. Mr. Christinsin is a recognized expert on high frequency radio communications and a well known lecturer, author and instructor. He has two patents covering HF whip-tilt adapters and has designed several HF tactical and special purpose antennas.

Register by submitting the following information to:
AFCEA=92s Professional Development Center
4400 Fair Lakes Court
Fairfax, Virginia 22033-3899
Phone: (703) 631-6135 FAX (703) 631 4693
email aafceapdc@aol.com

Course Name or Number: Course 135P
Date Course Convenes: June 24, 1996

AIR FORCE NEWS
Air Force to get another operational B-2
WASHINGTON (AFNS) — Under Secretary of the Air Force Rudy de Leon signed a letter of transmittal to Northrop Grumman Corporation May 24 to upgrade the B-2 flight test vehicle AV-1 to operational status.

This follows the recent decision by the Air Force to upgrade AV-1 to an operational aircraft, bringing the operational B-2 fleet to 21 aircraft.

The upgrade includes replacing the landing gear, a new avionics suite and modifications to the aircraft structure, fuel system and weapons bay doors.

The B-2 Spirit is the Air Force's low-observable bomber capable of delivering both conventional and nuclear munitions. Its "stealth" characteristics give it the unique ability to penetrate most air defenses. These stealth characteristics, combined with its long range and large payload, provide a powerful force projection capability.
Gen. Ronald R. Fogleman, Air Force chief of staff, said the B-2, with the addition of a precision conventional weapons capability this summer, "will cause us to completely rethink the way we plan attacks -- instead of the number of sorties required to take out one target, our planners will decide the number of targets to take out on one pass."

"The B-2 embodies global reach/global power -- providing our commanders in chief with rapid, global precision response," said Secretary of the Air Force Sheila E. Widnall. She added that the aircraft is "an extraordinarily powerful tool for this nation."

The letter of transmittal obligates $150 million with a not-to-exceed value of $493 million. This is a firm fixed price letter contract with an expected contract completion date of June 2000.

The joint venture between the Air Force and Navy is the result of a decision between the two services and the secretary of defense to consolidate the mission of airborne threat radar jamming. This decision will result in the Air Force retiring the EF-111 Raven and joining forces with the Navy to stand up five squadrons of EA-6Bs, thereby making the Prowler the United States' sole tactical radar-jamming platform.

The current plan is to have one Air Force crew -- a pilot and three electronic warfare officers -- assigned to each operational squadron and one crew in training at all times. In June, the first four aircrews will graduate, with seven more still in training. Over the next two years the Air Force will gradually build up to a total of 24 aircrews throughout the five squadrons.

In September 1995 the first combined squadron, Tactical Electronic Warfare Squadron, VAQ-134, stood up and has recently deployed to Marine Corps Air Station, Iwakuni, Japan. The second squadron, VAQ-133 stood up in April of this year and will deploy in 1997. The first graduation Air Force aircrew will be assigned to VAQ-133.

"The Air Force members who are here are more than just aviators in a Tactical Electronic Warfare Squadron. They are here to combine the ideology of the two service's needs," said Lt. Col. Ronald Rivard, Joint Operations Staff at Whidbey Island.

The EA-6B decision is a significant new development. The secretary of defense has given a "core mission" of the Air Force to the Navy to manage, and removed a duplicate capability from the Air Force.

"Our success or failure of the jamming consolidation may well prove to be a fore-runner of similar efforts," Rivard said. "The deployment of VAQ 134 and the first graduating aircrew are the first of many benchmarks we anticipate setting with this joint venture."

International exercise ends in Spain

by Capt. Lindsey Borg

ZARAGOZA AIR BASE, Spain (AFNS) -- United States Air Forces in Europe people and aircraft began returning to their home bases May 24 as Matador exercise operations ended here with a final round of morning sorties.

USAFE F-15E Strike Eagles from RAF Lakenheath, England, and F-16 Fighting Falcons from Aviano Air Base, Italy, returned to their bases May 24. Air Force C-5, C-17, C-141 and C-130 aircraft began the task of returning cargo and people to bases throughout Europe.

About 400 Air Force people were among the nearly 11,000 U.S. military members
deployed to Matador '96. U.S. Army, Navy and Marine units played their exercise roles from several locations in Spain and afloat in the western Mediterranean Sea.

Matador provided U.S. and Spanish forces an opportunity for combined-joint training that also will help improve the two countries' ability to operate together on land, at sea, and in the air.

"I believe every Matador participant is leaving here with a better understanding of their U.S. other-service and Spanish counterparts," said Lt. Col. James Venus, commander of the 4616th Air Expeditionary Squadron (Provisional) here. "That can only help smooth future operations when we come together to face common objectives."

USAFE fighter aircraft flew more than 125 Matador sorties, most of which included interaction with Spanish pilots and aircraft. The host country's armed forces flew F-5 and F-18 aircraft during the exercise.

The exercise scenario focused on a call for humanitarian assistance by an imaginary country and included a non-combatant evacuation operation. At one point, U.S. and Spanish fighters attacked the USS George Washington battle group in retaliation for its aggression earlier in the exercise.

In addition to its exercise role, USAFE provided all support for the units and people here. Communications, airfield operations and contracted transportation, security, food service, billeting and liaison with the Spanish were among the issues addressed by the 16th Air Force's 616th Regional Support Group.

Venus said preparation for the support of Matador began in March when an advance team visited area Spanish businesses to negotiate contracts for support. However, the magnitude of the Matador exercise demanded full-time contracting support to meet planned and unexpected needs.

More than $600,000 was obligated to meet Matador support costs, said Master Sgt. Tom Atwood, a contracting officer from the 616th RSG.

"Those funds fulfill Matador requirements in areas like transportation, basic communications, lodging and feeding of the U.S. exercise participants," Atwood said. He added that funds for the air operations and transportation of people and equipment to and from Matador will be drawn from other operational accounts.

GHFS

Due to a lot of interest and new members, this is a 'info file' originally posted by Tim Tyler over a year ago. It contains the correct spelling and locations of the various USAF stations we hear and the updated GHFS frequencies.

USAF GLOBAL HIGH FREQUENCY SYSTEM (GHFS)

GHFS is (primarily) an Air Force network providing command control support to the U.S. DOD & NATO, & support on a non-interference basis to other U.S. government agencies and friendly foreign governments. It is primarily an air/ground system, with occasional maritime and ground-based users.

Freq/Station (Guard times)

4724 Croughton (2300-0500)
McClellan (0400-1600)
Incirlik (2000-0500)
Yokota (1000-2100)

6739 Albrook (0001-1200)
Andersen (0900-2000)
Andrews (2400-1000)
Ascension (1800-0600)
Croughton (H24)
Hickam (0400-1600)
Lajes (H24)
Loring (2400-0900) [remote from MacDill name not used]
MacDill (2400-0900)
McClellan (0400-1600)
Offutt (2300-0800)
Thule (H24)
Incirlik (H24)
Yokota (1000-2100)
8968 Andersen (H24)
Andrews (H24)
Elmendorf (H24)
Hickam (H24)
Lajes (H24)
McClellan (H24)
Offutt (H24)
Thule (H24)
Yokota (H24)
8992 MacDill (H24)
Incirlik (H24)
Yakota (H24)
10780 AF Eastern Test Range (Backup for Ascension)
Cape Canaveral (aka "Cape Radio")
Antigua
Ascension
Mahi
11175 Albrook (H24)
Andersen (H24)
Andrews (H24)
Ascension (H24)
Croughton (H24)
Elmendorf (H24)
Hickam (H24)
Loring (H24) [remote from MacDill, name not used]
McClellan (H24)
Offutt (H24)
Incirlik (H24)
Thule (H24)
13200 Andersen (2000-0900)
Croughton (H24)
Elmendorf (Apr-Sep 1800-0800, Oct-Mar 2000-0600)
Hickam (1600-0400)
McClellan (1600-0400)
Thule (H24)
Yakota (2100-1000)
15016 Albrook (1200-2400)
Ascension (0600-1800)
Croughton (0500-2300)
Elmendorf (Apr-Sep 1800-0800, Oct-Mar 2000-0600)
Lajes (H24)
Loring (0900-2400) [remote from MacDill, name not used]
MacDill (0900-2400)
McClellan (1600-0400)
Incirlik (0500-2000)
Yakota (2100-1000)
17976 Andrews (1000-2400)
WUN-v02

Croughton (H24)
Elmendorf (H24)
McClellan (H24)
Offutt (0800-2300)
Thule (H24)
Incirlik (H24)
Yakota (H24)

The above data is unclassified information which appears in the 31 MAR - NOV 94 Department of Defense Flight Information Handbook ('FLIP').

All frequencies are Upper Side Band (USB). Discrete circuits are available for prolonged voice traffic or secure data (e.g. AUTODIN access) requirements. The 10780kHz channel isn't technically part of the GHFS, but since it is listed along with GHFS assets, I included it.

GHFS Ground Stations

ALBROOK = Albrook Air Base, Panama
ANDERSON = Anderson AFB, Guam
ANDREWS = Andrews AFB, Maryland
ASCENSION = Ascension Island Auxiliary Air Base, Ascension Island (N. Central South Atlantic Ocean)
BAYONNE = Military Traffic Management Command Emergency Comms Center, Bayonne, New Jersey
CROUGHTON = Croughton Air Base, England, United Kingdom
ELMENDORF = Elmendorf AFB, Alaska
HICKAM = Hickam AFB, Hawaii
LAJES = Lajes Air Base, Azores
LORING = Loring AFB, Maine (MacDill GHFS Remote Site, name not used)
MACDILL = MacDill AFB, Florida
MCCLELLAN = McClellan AFB, California
OFFUTT = Offutt AFB, Nebraska
INCIRLIK = Incirlik AB, Turkey
THULE = Thule Air Base, Greenland (pronounced "Tool-Lee")
YAKOTA = Yakota Air Base, Japan

Many of the aircraft heard on GHFS channels use the static, tactical callsign "REACH" followed by numbers and/or letters. "REACH" is the static, tactical callsign issued by the USAF Air Mobility Command for aircraft on AMC missions. If you just hear "REACH ####" the aircraft is most likely using its tailcode. If "REACH" is followed by letters & numbers, then the aircraft is usually using their mission #. This is most often done for missions requiring diplomatic clearance.

That's all we have time for until next month...

============================================================================= New Products, Books, News and Reviews Rick "RD" Baker, editor 1352 Cavalcade Dr., Austintown, Ohio 44515-3844 utelistener@msn.com or ae411@yfn.ysu.edu

Items to be reviewed, information about new products, books, software, or events that would be of interest to the WUN membership, send them in care of this column (not via the clubs D.C. address to save mail costs)

My planned review for this month could not be completed due to extended work on the Newsletter and other WUN issues. So we'll try and get back on track next month.

News
o Interesting www sites

Jeff Haverlah sent information on Digital's Alta Vista search engine, which visits and 'captures' the various WUN (and it's member's) web sites. If you run a search on things such as "emergency action messages", "Nightwatch 01", maritime stuff, digital stuff, etc, etc, the Alta Vista

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The Alta Vista engine turns out to be a quick way to find something in back wun newsletters based on keyword searches - for people with web access. To access, point your browser at

http://www.altavista.digital.com/

Jeff reports that the engine is so good, huge, and *fast* that you can do things such as search for your (or anyone's) name (it's a status thing right now on the web to see how many "hits" a person's name has on this engine.) If you are going to search for, say, information on the NEACP, you type NEACP in the search block and hit "submit". This particular instance will find DoD stuff, plus Tim Tyler's NIGHTWATCH article etc (and any other wun page that contains the term "NEACP") - if you run a search on NAOC, you'll get tons of "hits" on the National Association of Older Canadians, btw.) It'll work for "NIGHTWATCH 01"; "emergency action messages"; frequencies; that Little Creek place on the East coast; callsigns; "USSTRATCOM"; "TACAMO"; EC135; airline info; and anything else that is captured in the wun newsletters on Berri's web site, plus that list archive site (and anywhere else on the web for any and everything.) Digital says that they get about 8,000,000 hits a day on their site, and it's free. A recent press release says that Digital is going to set up AltaVista servers in Europe and maybe elsewhere to speed the search process up for folks that have to access the U.S. from overseas.

I tried this site and boy was it ever neat! Give it a shot!

New Products

- **Internet Radio Guide**
  Klingenberg Publications announced recently the publication of their brand new handbook INTERNET RADIO GUIDE for 20 JUN 1996, "in time for the world's biggest amateur radio exhibition [outside of America, hi] HamRadio '96 in Friedrichshafen on beautiful Lake Constance".

  The release continues..."New editions of our RADIO DATA CODE MANUAL and of the 1996/1997 GUIDE TO WORLDWIDE WEATHERFAX SERVICES (both handbooks now including many Internet addresses!) will be presented as well. The INTERNET RADIO GUIDE covers all radio-related fields such as amateur radio, aviation, companies, dealers, DX clubs, equipment, geography, geophysical data, intelligence, manufacturers, marine, meteorology, navigation, newsgroups, organizations, publications, radio clubs, radio monitoring, radio propagation, radio stations, satellites, secret services, shortwave reception, solar data, weather services, and the like. For more details see http://ourworld.compuserve.com/homepages/Klingenfuss/ , or ask for our free catalogue to your postal address. Thank you for your interest, and see you on 28 - 30 JUN 1996 in Friedrichshafen hall 1 stand 164 as usual!"

73 es best DX, Joerg Klingenberg

Or by mail: Klingenberg Publications, Hagenloher Str. 14, D-72070 Tuebingen, Germany Phone ++49 7071 62830 Fax ++49 7071 600849 E-Mail 101550.514@compuserve.com

That's all she wrote for this month. Have fun....! DE RD

===========================================================================

**Utility Monitoring in the Maritime Bands**
Editor: Jim Pogue (kh2ar@aol.com)
P.O. Box 3888
Memphis, TN 38173-0888 USA

Jim continues to be extra busy with work, so with regrets, he sends a shortened column again this month.

- **M/V OOCL Britain christened** (From Steve Schultz and the SHIPS listserver)
The first ship delivered by a shipyard in Kobe, Japan, since the January
1995 earthquake was christened 19 April at Southampton. The M/V OOCL Britain, a 4,960 TEU capacity containership, was built by Mitsubishi Heavy Industries and will be used in the Europe to Asia trade. M/V OOCL Britain is the sixth of eight ships - the remaining two, to be named the M/V OOCL France and the M/V OOCL Germany, will be delivered later this year.

*o* Matson Navigation net

Rick Albright has noted a regular net on the old "12 Bravo" maritime simplex frequency of 12356 in USB. The daily Matson Navigation call-up is at 1700 and recently found Monukai/KNLO discussing new Globe Wireless software for ship communications. Rick also notes Matson ships have been good QSLers in the past. Thanks Rick!

If any of you know of similar scheduled times and nets, why don't you drop me a line?

*o* The Mystery of Ship Callsigns

I had seen the callsign for M/S Song of America listed as LENA vice LENA3 and after seeing a post by John A. Wrafter, who serves aboard her, I asked which one was correct. I thought his reply would be of interest.

"Ships under the Norwegian flag can be registered in one of two ways. On the GENERAL registry or on the Norsk Internasjonalt Skipsregister (known as NIS registry). A ship on the General Reg. will have the standard four-letter callsign, i.e. LNMO etc. A newly-built ship going directly onto the NIS registration will have the figure '2' appended to its callsign, i.e. LNMO2 etc. A ship transferring from the General to the NIS reg. will have the figure '3' appended to its callsign, i.e. LNMO3 etc."

"To the naked eye there is no apparent diff between a ship registered on the General reg. and one on the NIS reg., the devil, as they say, is in the detail. Under NIS registration the shipowner enjoys the advantage of a more liberal tax regime plus the benefits of more 'relaxed' manning and safety requirements. Not surprisingly then most Shipowner's find NIS registration the more attractive way to go. A number of other European countries have similar arrangements, though whether or not they follow the same procedure in relation to Callsigns I really don't know." "Hope this clarifies the situation a little. All the above of course is based upon my understanding of the situation and may or may not be correct."

Thanks to John for that information!

*o* Updated Russian shore calls

Jason Berri recently posted this updated copy of current Russian shore station call signs, extracted from his RMSD v2 documentation.

**Home Port Call Signs**

**Cuba:**

<table>
<thead>
<tr>
<th>Call Sign</th>
<th>Home Port</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLJ</td>
<td>Havana R.</td>
<td>CLJ unchange</td>
</tr>
</tbody>
</table>

**Estonia:**

<table>
<thead>
<tr>
<th>Call Sign</th>
<th>Home Port</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESA</td>
<td>Tallinn R.</td>
<td>ESA ex UAH/UNS/UTA</td>
</tr>
<tr>
<td>ESF</td>
<td>Tallinn R.</td>
<td>ESF ex UTA/RKBF/ESF</td>
</tr>
<tr>
<td>ESP</td>
<td>Paernu R.</td>
<td>ESP ex RKDF</td>
</tr>
</tbody>
</table>

**Georgia:**

<table>
<thead>
<tr>
<th>Call Sign</th>
<th>Home Port</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>UHK</td>
<td>Batumi R.</td>
<td>UHK unchanged</td>
</tr>
</tbody>
</table>

**Latvia:**

<table>
<thead>
<tr>
<th>Call Sign</th>
<th>Home Port</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>YLQ</td>
<td>Riga R.</td>
<td>YLQ ex UDH/UKB/UQK</td>
</tr>
</tbody>
</table>

**Lithuania:**

<table>
<thead>
<tr>
<th>Call Sign</th>
<th>Home Port</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>LYK</td>
<td>Klaipeda R.</td>
<td>LYK ex UNM2</td>
</tr>
<tr>
<td>LYL</td>
<td>Klaipeda R.</td>
<td>LYL ex URB2</td>
</tr>
</tbody>
</table>
Robin Hood in the UK also sent the following information too late to be added to Jason's list. Robin notes that UQA4 is listed by Jason as being in Murmansk as it is by Klingenfuss. Ferrel's list has it as Kiev. Robin isn't sure who it is, but last heard it March 1994 with a traffic list to "4LS", which is the collective callsign used by UDKh2. Does anyone know if UQA4 is still in operation? If anyone can add any information to the list, drop Jason a line at berri@aero.org or at my "snail" address above and he will keep us posted.

---

**THE QSL REPORT**

Editor: Martin C. Barry <mbarry@absint.login.qc.ca>
6875 Fielding #02
Montreal (Quebec)
Canada H4V 1P3

STATION VERIF/CALL/FREQ/MODE/TYPEx QSL/NO.DAYS/REMARKS/CONTRIBUTOR

**CIVIL SHIPS**

M/S Leeward/3FKM5
M/S Fascination/3EWK9

**FIXED STATIONS**

Malta ATC/LMMM
NDB Gainesville, FL/GN
New York AFSS/WSY70
Shannon VOLMET/EIP
FDC (French Defence Comms)

**MILITARY/COAST GUARD SHIPS**

USS Dolphin AGSS-555/NFXP
USS Juneau LPD-10/NROP

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MILITARY/GOVERNMENT AIRCRAFT
CGAero/CG6011  5696.0 USB PFC  23 ds  (HW)
CGAero/CG2139  5696.0 USB PFC  25 ds  (HW)
CGAero/CG1720  5696.0 USB PFC  25 ds  (HW)

*** THE LITTLE BLACK BOOK ***

Costas Krallis (SV1XV) of Athens, Greece furnishes the following address for his recent logging of Malta air control:

Communications Centre
Dept. of Civil Aviation
Luqa Airport
Malta, Greece

Jill Dybka of Nashville, TN sends along the following for hunters of non-directional beacons:

NDB GN
4301 NE Waldo Rd.
Gainesville, Florida
32609

A recent QSL received by me from New York Radio contained a pretty impressive package of goods, including a 12" color decal of the FAA shield suitable for framing, an assortment of smaller stickers, a gold cachet of the seal of the U.S.A, and a cloth crest featuring the FAA logo. The official return address is:

New York Automated Flight Service Station
150 Arrival Avenue
Long Island MacArthur Airport
Ronkonkoma, New York
11779

WUN regular Tim Tyler recently reported hearing the Gonzo 06 callsign being used on Canadian Forces HF channels. A little digging by him revealed that the prefix refers to a fleet of Dash-8 turboprops that are used for flight training at CFB Winnipeg. Tim provided the following address for anyone running into them again (11232.0 kHz) who'd like to try for a QSL:

Canadian Forces Air Navigation School (CFANS)
17th Wing
Canadian Forces Base Winnipeg
Westwin, Manitoba
R3J 0T0

*****

USING FAX TO QSL RAISES QUESTIONS

Last month we suggested that utes might try an alternative to the usual way of QSL'ing by postal service, namely by faxing reception reports or their follow-ups directly to the station. The idea in itself can't be all that far-fetched when you consider that at least one major publication of utility station information (Klingenfuss 1996 Guide to Ute Radio Stations) lists fax numbers for utes in many parts of the world, along with their regular addresses.

Some SWL's, especially broadcast listeners (VOA, BBC), report having had success using fax, especially to North American stations. "I have been using this method for follow-ups to U.S. and Canadian BCB stations with great success for a year now," John Stephens told us recently. "In many instances, I get a verification after the first fax follow-up, when written follow-ups (sometimes numbering as many as nine or ten sent over a four year period) get no response."

On the other hand that's BCB activity, and utes are probably a totally different situation. Despite their availability, the fax numbers of

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utility stations are set up primarily to transact official business. There's a good chance that the people receiving these faxes might not even understand what you are talking about. And in the extreme case of actually sending a reception report by fax, without return postage or PFC, odds of a reply become even more slim.

But this is not to say that using fax at any point in the QSL process is impossible... it's just till now been mostly unheard of, and it's probably impractical... There is only one station that I know of (WNU, Slidell Radio, Louisiana) that is on record (via the WUN list) saying they welcome reception reports by fax. The only other one that comes close is Great Lakes phone relay WLC, which is said to enjoy receiving 'signal' reports. But note that a 'signal' report is not the same as a request to QSL, and that WLC has never said they would do the latter.

Note also too that Rick Baker reports five tries to them using conventional means in five years and they still didn't budge. So here's a case where clearly the existence of a fax line probably doesn't make any difference at all. (To this we might add a little sidebar with respect to postal QSL'ing, to the effect that Rick normally waits at least a year before following up a reception report.)

The use of fax, then, as a tool for QSL'ing is unusual, to say the least. But maybe a better term might be 'novel.' Which is to say that there are virtually no cases so far of a monitor using it successfully, even in the odd instance. It's not something that ought necessarily to be encouraged. But as an 'experience' in QSL'ing, maybe once in a while's hobby it might be tried for the sake of saying it's been done.

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TIPS FOR MERCHANT SHIP QSL'ING

One of the first things to keep in mind before getting into marine QSL'ing is that merchant vessels are notoriously difficult to track down. There is a complex chain of command involved between the ships' owners, agents, or charters. The organization can get even more complicated if some of the vessel's on-board services are delegated out (as they increasingly are) to contractors who are independent of the owner or agent. (As noted in a previous column, this is currently a trend in shipping management, especially in the areas of on-board food services and radio communication.)

Not to discourage anyone before they've embarked into this branch of QSL'ing, since there are some die-hard fans of marine (Rick Albright, Jim Navary) whose enthusiasm speaks for itself.

Be ready to invest in a lot of references. But if, despite a great deal of enthusiasm, your budget happens to be somewhat restricted, the more expensive or hard-to-locate ones that might simplify ID'ing can be out of reach. These more useful and costly sources include Lloyd's Shipping Register, ITU callsign lists, etc. (A way around this problem, however, is to ask for help on WUN, as there are members online who have these works.)

Although it's outdated, the best low-cost source for North American merchant ship identification and owner addresses is the two-volume softcover "Utility QSL Address Guide" by Symington and Henault (1987-88). It also lists the government-owned shipping companies of many foreign countries that have little non-government shipping. These books can usually be found at suppliers of SWL and amateur-radio equipment.

Listening to radio traffic can provide clues to vessel ownership (especially ship-to-shore phone calls), which can then be followed up through phone book collections which are often kept at public libraries (or also via increasingly popular CD-ROM phone lists). If you know the ship's route, you may be able to direct your mail to the line's branch office or agent on the route, rather than to the mail office in another country. And if you happen to do digital monitoring of sitor traffic, it's all that much easier to 'read' and snag an agent's name or address from message headers.

For German ships there's the softcover "Schiffsliste, Verzeichnis der Deutschen Reedereien und Ihrer Seeschiffe," published yearly by Eckard & Messtorff, Roedingsmarkt 16, Hamburg D-20459, Phone: 0 40 37 13 34. (The cost was DM53 in 1991.) It ID's all German-owned (not just German-flagged) merchant ships, including callsigns and vital stats, and then lists owners and their addresses.

It's also useful to quiz the radio officer each time a QSL is requested. Often they will list other company ships and callsigns and offer...
lists of 'mail drop' agent addresses for their ships. Pacific Maritime maga-
zine, published monthly in Seattle, is considered a good source of Pacific
Rim shipping news that often helps with figuring out who owns which vessel.
If you are in any way connected with the industry, the cost of a subscription
can be quite cheap, but the rate for non-industry subscribers is much more
costly. If you happen to have Usenet access, you might also find it useful
to scan message bases like MISC.TRANSPORT.MARINE and ALT.GREAT-LAKES for
relevant information that occasionally pops up there, or to ask questions.

Marine QSL"ing is probably not one of the easier aspects of the ute
hobby. But as they say, no pain no gain. And if you happen to be an old salt
(or just a wannabe), it may be the only way to go.

Note: Special thanks to Rick Albright for help in preparing this months's
column.

#  #  #

Thanks to this month's contributors:
(RB) Rick Baker, USA
(CK) Costas Krallis, Greece
(JD) Jill Dybka, USA
(MB) Martin Barry, Canada
(HW) Harold Woering, USA

===========================================================================

# UTILITY ROUNDUP #
[ editor: Ary Boender (ary@bitbike.com 2:283/512.24) ]

SIGINT in Canada
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Like most countries, Canada has its own club of professional dxers: The
Communications Security Establishment (CSE). CSE is Canada's intelligence
agency who derives information from the interception of communications
(COMINT/SIGINT). CSE originally began as the Communications Branch of the
National Research Council (CBNRC). In 1947, CBNRC took on the additional
responsibility of serving as the Canadian government's communications-
electronic security (COMSEC) agency. Prior to 1947, the government's
encryption systems and keys had been provided by the UK. On 1 April 1975,
CBNRC became the responsibility of the MOD and its name changed to the
Communications Security Establishment.

What is COMINT/SIGINT?
COMINT (COMMunications INtelligence) / SIGINT (SIGNals INtelligence)
is the collection capability for the interception and decoding of
communications traffic. Usually the most desired type of traffic
is clandestine, private or diplomatic but also of interest is the
monitoring and analyzing of military traffic sent in the "clear" as
military protocol does sometime fail and important information is
sometimes sent without the usual coding. Satellites and other sophis-
ticated stuff is often used.

Who's doing what?
CSE is processing and analyzing the information derived by others.
The actual collection of the SIGINT is conducted by the Canadian
Forces Supplementary Radio System (SRS), a component of the Canadian
Armed Forces that operates under the direction of CSE. The SRS was
formed in 1966 as part of the unification of Canada's Armed Forces. The SRS is
responsible for the operation of SIGINT collection and
HF-DF facilities.
CSE and the SRS in turn work in close co-operation with the giant US
and British SIGINT agencies, the National Security Agency (NSA) and
Government Communications Headquarters (GCHQ), Australia's Defence
Signals Directorate (DSD), New Zealand's Government Communications
Security Bureau (GCSB), and a number of other SIGINT agencies in a
global intelligence alliance known informally as the UKUSA community.
CSE maintains permanent liaison officers at NSA HQ and GCHQ. There
are also NSA and GCHQ liaison officers at CSE HQ.

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o CSE/SRS Facilities
# CSE Headquarters, Sir Leonard Tilley Building, Ottawa (CSE also has offices in the Insurance Building, three floors of the SBI Building, and the "warehouse" on Merivale Road). "Kilderkin" intercept site, Ottawa (monitors Russian embassy)
# CSE intercept sites at Canadian embassies and consulates (locations secret) SRS Headquarters, Tunney's Pasture, Ottawa CFS Alert, Ellesmere Island, NWT (operates SIGINT collection and Pusher HF direction finding (HF-DF) antennae; intercepts mainly ex-Soviet air force, air defence force, and other military communications)
# CFS Leitrim, Ontario (near Ottawa; operates SIGINT collection and Pusher HF-DF antennae; also four satellite monitoring dishes; intercepts diplomatic communications in/out of Ottawa and some satellite communications; also supports other SIGINT stations)
# CFS Masset, BC (operates SIGINT collection and AN/FRD-10 HF-DF antennae; intercepts mainly military communications; part of the US Navy's worldwide BULLSEYE HF-DF net)
# 770 Communications Research Squadron, CFB Gander, Newfoundland (operates SIGINT collection and AN/FRD-10 HF-DF antennae; intercepts mainly military communications; part of the BULLSEYE net)
# 771 Communications Research Squadron, located at CSE HQ, Ottawa
# SRS Detachment (located at NSA headquarters, Fort Meade, Maryland, USA ??; formerly located at US Army Field Station Augsburg, Germany)
# CFB Kingston, Ontario: E Squadron, CF School of Communications and Electronics (conducts SRS intercept operator training, including Russian language training) and 1 Canadian Signals Regiment.
# SRS members also serve on exchange at various US Navy (Naval Security Group) BULLSEYE net sites in the United States; a comparable number of USN personnel serve at Canadian sites.

DXing New Zealand, pt.2
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"Haste make waste" certainly goes for the Ute Round-up column last month. It was a rush job and much to my regret you, the readers, have become the victims. I copied the frequency information from various publications and because of serious lack of time I did not double check that info. Consequently the incorrect information ended up in the column. My sincere apologies folks.

I'd like to thank Andrew Brill for his corrections listed below and his additional info.

8975.00 AF Palmerston - No such station. Probably refers to RNZAF base Ohakea. (This is not a regular HF station although they may come up on the odd occasion to work Airforce Auckland or Airforce Woodbourne on 8974 or the other general purpose net freqs 5688/8974/11235/13206)
8975.00 ZXX AF Auckland - Old freq - now 8974
8992.00 AF Ohakea - see 8975
8992.00 AF Whenuapai - Call is "Airforce Auckland" location is Whenuapai Airbase
8992.00 AF Wigram - Wigram Airbase now closed. Functions transferred to Auckland (Whenuapai airbase) and Blenheim (Woodbourne Airbase) - Woodbourne uses the call "Airforce Woodbourne" on general purpose net.
8997.00 US Navy Christchurch
8997.00 ZXX AF Auckland - 8997 was the freq for aircraft operating between Christchurch and the Antarctic. Has now been replaced by 8998. Originally (many years ago) this traffic was controlled from Deepfreeze HQ Christchurch, but is now done from Auckland Oceanic ATC. To the best of my knowledge Airforce Auckland has never been involved in this traffic. Airforce comms would be on RNZAF freqs eg 8974.
9027.00 AF Dunedin - There is no RNZAF base at Dunedin. Any loggings of this call would be most likely a mobile or portable station set up for a special purpose eg.
exercises etc. Certainly not a "regular" RNZAF station.

13241.00 US Navy Christchurch
13251.00 US Navy Christchurch - see 8997 - 13251 is the 13Meg freq for Auckland wkg Antarctic traffic.
9950.00 ZME 4 Raoul Island Meteo - Not a meteo stn. Old HF channel used for transmitting data from the weather station back to NZ. Long since replaced by automated satellite link.

NZPO stations: all the mentioned freqs are very old freqs and no longer used. NZPO was the New Zealand Post Office which used to be responsible for Telecommunications in NZ until 1991. NZPO telecom division was privatized and sold to Telecom New Zealand. All HF radio services were discontinued. (Including the Coast stations ZLD/Auckland ZLW/Wellington ZLB/Awarua and ZLC/Chatham Islands. The above freqs were used for radiotelephone comms between Wellington Radio Islands service (ZLZ) and the weather stations. These services have now gone to satellite, as has the link to Pitcairn Island.

Maritime HF radiotelephone services provided by Wellington Radio were discontinued and New Zealand’s Distress, Weather and Search and Rescue obligations under SOLAS (Safety of life at sea) treaty were picked up by Taupo Maritime Radio/ZLM which is operated on behalf of the Maritime Safety Authority by Broadcast Communications Limited, a company which also provides transmission facilities for NZ TV stations. ZLM is run from an operations room north of Wellington and has remote HF transmitters/receivers near Taupo in the Central North Island (just down the road from Waitouru where the Navy COMSTA is located).

Note also that the stations listed as "Coastguard" (CG) are not military as in the USCG. Members of the New Zealand Coastguard Federation are voluntary organizations which provide search and rescue facilities using privately owned vessels and equipment. It is purely a search and rescue and marine safety operation and has no law enforcement or military functions.

- Department of Conservation (National Park Rangers):
  - 2270, 2272, 2348, 4616 kHz

- Fire Service:
  - Freqs assigned but seldom if ever used: 2568, 5066 kHz
  - (I know the HF gear at the Auckland Fire HQ was removed because they got sick of listening to the hash and turned the set off. They then figured that since if Wellington wanted to work Auckland they had to ring them up and tell them to turn on their radio, they might as well pass the message over the phone). Callsigns ZKF101 thru ZKF701

- The following is a list of mountain radio service base stations with contact addresses:
  - # 3261kHz:
    - ZLIB Canterbury Mountain Radio Service
      - PO Box 22342, Christchurch, NZ
    - ZKFK Southland Field Radio
      - Mill Road South, RD1 Invercargill, NZ
  - # 3345kHz:
    - ZKBY Central North Island Mountain Radio Service
      - 44 Rotokawa St., Taupo, NZ
    - ZKKV Hawkes Bay Mountain Radio Service
      - 12 Upham Crescent, Taradale, NZ
    - ZKVS Northland Mountain Radio Service
      - P.O.Box 1410, Whangarei, NZ
    - ZKJG Wellington Mountain Radio Service
      - P.O.Box 30519, Wellington, NZ

- Maritime stations
  - # ZLA the Globe Wireless transmitter at Awanui is Sitor only at present and is remotely controlled from San Francisco. (No staff on site in NZ).
# The ZMH series stations are all Private Coast Stations (i.e. not government operated). The voice callsigns ought to follow the following format: Location, Station type, "Radio". e.g. Auckland Harbour Radio.

Official station types are:
- "Harbour" - Port Operations
- "Fishermens" - Commercial fishing Operations
- "Coastguard" - Volunteer Search and Rescue/Marine Safety.
- "Association" - Station run on a non profit basis by a group of individuals who contribute to the costs - e.g. a group of boat owners in a remote area will operate a station for their mutual benefit.
- "Sport" - Station to support sporting events e.g. regattas, yacht clubs etc.

# There are considerably more stations in existence than those listed. Numerous yacht clubs, shipping agents etc have stations which operate irregularly on HF.

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The WUN Logs Column

Rick "RD" Baker, editor: 1352 Cavalcade Dr., Austintown, Ohio 44515-3844 USA
e-mail: utelistener@msn.com or ae411@yfn.ysu.edu

Co-edited by TEAM LOGS:
Andrew Brill, Auckland, New Zealand abrill@iprolink.co.nz
Roland Proesch, Kiel, Germany (Roland.Proesch@kiel.netsurf.de) and
Stan Scalsky, Leonardtown, Md, USA (ssscalsk@atc.ameritel.net)

Thanks a whole lot to Andy Brill in New Zealand for volunteering to step in for Team Logs member Carl Quick. With more and more members, we are having our work cut out for us! You can help quite a bit if you post or e-mail your logs by using the WUN format. Also, please make sure your using 'carrier' or 'center' frequency on digital logs vice 'window frequencies', if you tune in USB. Lastly, if you log a maritime station in the sitor bands with it's "sitor free" phasing signal and CW ID, please list the mode as ARQ (SitorhA) vice CW. The CW ID just ID's the sitor station and I'd like to make sure these all get into the digital section.

John Doe in England asks why CW is separated from the digital modes. When we first set up the categories, it was thought to keep the digital section logs in with those which a decoder was needed. Since many folks can use their 'ear' for CW, we place CW right in with the other proper sections (i.e. maritime, military, etc). This way, if you don't have a decoder, you don't have to wade through a hundred lines to find a log of interest. And thanks again for the logs by mail "John"!

75 contributors this month, lets keep those card and letters coming! Especially since membership surpassed 1,000 this month!

=CIVIL AERO=

2887 New York: (CAR-A MWARA) 0832 USB wkg Argentina 1300 w/ATC req for 390 from 370, had been told originally to descend 350, very hard time getting flight to read back correctly *with* it's flight number. (RB)

Pagina 412
WUN-v02

2899 SHELL 63 2304 USB wkg Shanwick, 58n20w 2304 FL390 58n30w 2344 (RC)
3016 Shanwick 0032 USB wkg Sta. Maria (DES)
3425 Hawaiian-466 1028 USB wkg Nadi, Nice strong sig from nadi on 3425. (SB)


5547 Swisair 17 1015 USB clg San Francisco with Posrep. (AW)

5550 Pack 44 2311 USB wkg New York & Reach 110XX. '44 says refuel done, heading home. 110XX cleared en route. (PR) New York: (CAR-A MWARA) 0831 USB wkg Argentina 1300 w/0831 posrep, adv QSY now to 2887 W/NY. (RB) LUFTHANSA 463 2245 USB wkg New York. 463 couldn't find waypoint HUBER which New York had given them in a clearance. A quite vigorous discussion ensued. New York finally went offline for a few minutes as 463 insisted that HUBER wasn't on their charts. New York finally figured out that it was a new name for waypoint WAITE or WATTE or something like that (TB)

5574 San Francisco 1038 USB wkg "United 166" w/selcal (AW)

5598 Condor(? 173 0157 USB wkg NY, pos. 42N50W. (DES) QUID 71 2035 USB wkg Shanwick, posn 46n 08w/2058 air refuelling GORDO 12. (HW) HB-IEJ 0522 USB w/Shanwick @ 48/30W AR-EG a/c type? TWA 840 0537 USB w/Shanwick @ 48/30W EF-AD N93104 747-100. (JS3) USB w/Shanwick @ 48/30W EF-AD N93104 747-100. (JS3) LANCER 37 2035 USB wkg Santa Maria, 45n2330w 2135 FL250 50n25w 2232 Next 55n2430w. My list says "LANCER" used by EAh6B of VAQh131 Whidbey Is. ?????

5616 Reach 70022 1108 USB wkg Iceland (C-141B) nh (WH) CFC 1671 1806 USB wkg Shanwick climg (BH) Delta 118 0145 USB wkg Shanwick. (DES) CFC 3213 1852 USB w/Shanwick, posn: 50n30w/1852 FL370 50n20w/1941 50n15w/ next w/selcal AS-CQ. Info? (HW) CanForce 111 2213 USB wkg Gander for Ocean Clearance to Greenwood via 47N 50w, FL240, 340 knots. SAM 300 2331 USB ARP Gander, FL410, 50N 40W @ 2330z. Eastbound. (PR) Shanwick 1429 USB wkg BLUE 91, 56n10w 1429z FL250/270 5536n15w 1456 next 5518n 1744w. Escorting BLUE 41, a flight of four. (ANEE) LDOnewZeroD to Shanwick 1107Z. USB 60n??w 1057Z FL240 55n19w 1146Z Next 55n20w. My list says "LANCER" used by EA-6B of VAQ-131 Whidbey Is. ?????

5637 Cairo ATC 1748 clg Khartoum. (CK) Athens 0340 USB clg Limnos, no reply. First time ever heard anything on this Greek aviation frequency. Athens was coming in at over S7! (TB)

WUNhv02

Cairns to Honiara. First ever flight! VH-HFJ 1204 USB wkg Brisbane Cairns to Noumea on an emergency aero medical flight. Falcon-20. May have gone on with the call VFJ. (SB)

PLA 746 2234 USB wkg Sanaa (A300)reg. AP-BAX, selcall AEGH, A300 Johannesburg - Karachi(Sanaa to relay to Nairobi). SEU 492 2237 USB wkg Cairo -> Khartoum (B737)B737, Luxor - Mombassa Fl290, SML (Abu Simbel) 2259 (any ideas which company SEU is? Couldn't find a scheduled flight from Luxor to Mombassa in the ABC either. DLH 8296 2237 USB wkg Cairo -> Khartoum (B747)B747, Frankfurt - Nairobi, fl 330, SML 2314. AFR 481 2245 USB wkg Khartoum -> Cairo (B747)B747, Nairobi - Paris CDG, Fl130, SML 2344. KLM 564 2248 USB wkg Cairo (MD-11, PH-KCH)route MRW (Merowe) - SML (BH) Bombay ATA 0003 USB wkg 7503. (Couldn't catch airline name). Egypt Air 703 0000 USB from Cairo to Khartoum wkg undt ATC (missed station he was clg). Sana, Yemen 0006 USB wkg undt ATC. Couldn't hear flight ID. Addis Ababa, Ethiopia 0140 USB wkg Khartoum Sudan. Lufthansa 575 0050 clg Tripoli w/no response. (DES) Cairo ACC, EGY 2235 USB TFC Speedbird 506. (JS3) HTT2055 2310 USB wkg Khart'm-ARP/GNA2010 STM0031 PS0117 Fl270 ETA OEJD 0145.a/c type B707 reg'n CSAMM ! SAB571 2317 USB wkg Tripoli hARP/DRF/SML0025. QSC215 2324 USB wkg Cairo/Khart'm - (Basle-Mombassa) F330 a/c DC10 ARP/SML0005. KQA107 2337 USB wkg Cairo/Khart'm- (ESSA-Nairobi) SML0022. MAU059 2345 USB wkg Khart'm-ARP/TOKAR F370 sel/GRQS 3BNAU A340. BAW132 2350 USB wkg Cairo/dep. OJ5D2323 climbing to F390 est.GIBAL 2352 LUXOR0029. Destination EGLL/a/c B777. CFG264 2355 USB wkg khart'm-ARP/GS0025 F370 GKR0034 sel/LMBR DABUA. AUA531 2359 USB wkg Tripoli/ARP SEB0037 F370. (RD3)

5667 Tokyo 1025 USB wkg several a/c, posreps, selcals. Hong Kong 1026 USB wkg AM-SAM asposrep (AW) Honolulu 0956 USB wkg North west flight. (SB)

5680 C-GTHN Fairchild (Swearingen) SA26T Merlin IIA belonging to Keewatin Air Ltd 0525 USB wkg ? Radio w/wx for Baker Lake & Churchill. This is probably Churchill FSS. Thanks to Peter Ivakitsch for ID. (CM)

5691 Unid 2126 USB Sounds like a CIS volmet station... very faint even with Head-Set on. (SM) (Irkutsk Volmet, Russia at H+25 slot -LOGS)

5632 Tokyo 0856 USB wkg All Nippon-9402 (SB)

5635 OTIS 85 1706 USB wkg Dakar, Overhead Dakar (C-130, US Marines). RRR3451 1805 USB wkg Dakar, BIMUT/1803 FL330 AMDIB/1821 25N18W/1851 30N20W/1930 selcals HDKL. Also wkg Canarias (Tristar, RAF). Reach 168XX 1820 USB wkg Dakar, FL350 AMDIB/1928 FL350 (AMC a/c). SHADO 52 1845 USB wkg Dakar, to VHF 120.5 (C130, USAF). OTIS 85 1905 USB wkg Dakar, Departed Dakar, destination Freetown. Reach 168XX 1910 USB wkg Dakar, PLATY/1855 FL350 AMDIB/1933 AKDAA/next, a/c was warmed for opposite traffic QUID 941. Action 03 2000 USB wkg Dakar, climbing out of FL73 to 240. SESEL/2036, abeam Bissau/2047 KOMOR/2053 to 120.5 VHF (c/s not spelled, C130, USAF). Flash 86 2010 USB wkg Dakar, FL180, type of a/c C130. Be advised the other C130, Flash 85, is KIRTI/2010 to Freetown (c/s not spelled!). Flash 85 2010 USB wkg Dakar, See flash 86. Same info. QUID 94 2040 USB wkg Dakar, EKAGA/2038 FL280 SAKNA/2052 AKDAA/2103 LIMEL/2117 eta Dakar/2145 a/c is KC-135, registration is 571439. Departed Dakar at 1746, no landing at Freetown. (HW)

5653 Solomons 771 0900 USB wkg Nandi - no contact Honiara on 6553 or 3425 (AB3)

5656 MALAYSIAN 121A 1440 USB w/Perth @ "IPKON" (08h35.34/10-14.64) "MQ-AB" 9M-MHN 747-400 Kuala-Lumpur - Melbourne (JSM)

5659 SPEEDBIRD 58 2105 USB being adv by Johannesburg to report leaving FL315. (TB)

5677 New York: (CAR-A MWARA) 0405 USB wkg American 951 (767 N730AA) w/posn Duce at 0405, FL330, selcall ck AP-FQ, adv contact Miami now on 132.3. (RB)

5686 RKA816 2210 USB wkg Accra,Abidjan/Dep Abidjan 2205, ETA Niamey 2341 passing Fl125 to F230R330 0300 hrs fuel 128 pax a/c reg'n TUTAS A300. KLM584 2211 USB wkg Accra/Lagos to EHAM on UR981 ARP SENOR 2220 F350. Pagan 414
WUNhv02

VFG: Gander Volmet, NF, CAN 0251 USB (NAT-VOL) w/aviation wx for St. Johns, Halifax, Gander, Stephenville, others. (RB)


Port Moresby PNG 0800 USB Moresby working A/c P2-ANC P2-ANP P2-SIL (AB3)

Sta. Maria 0014 USB wkg unid flight. NY 0019 USB wkg Springbok 2026, pos. (DES) New York: (NAT-E) MWARA 0205 USB wkg Air France 241 w/posrep, selcal EG-KM (74F-GCBB). (RB)

ARROW AIR 661 0428 USB w/Miami "on the ground at Bogota" N661AV DC8-63F pp to camp re exceeding 18 hr work day. VARIG 987 0606 USB w/Houston "over northern Mexico" N8968U "HK-AB" DC8-62F LAX- Panama. FINE AIR 27UA 0408 USB w/Miami, N27UA DC8-61F San Salvador-Miami. AMTRAM 4260 0345 USB w/Houston, just dep't Howard AFB for Houston, 152 px; reporting reduced power in #2 engine, N188AT L1011-50. SOUTHERN AIR 204 0434 USB w/Miami - just dep'td Bogota for Miami, "BG-CD" N873SJ DC8-73F (JSM)

San Francisco 0936 USB ARINC LDOC (AB3) AMERICAN 647 2141 USB wkg New York w/PIREP of continuous light chop around waypoint HOMER (TB)

Panama Radio: 0530 USB wkg Japan Air 64 w/0530 posrep at FL 370, 0609 est. (RB)

Tokyo 0848 USB wkg United-890 (SB)

Calcutta Radio 1357 USB tcf. (SB)

San Francisco: (CEP-5 MWARA) 0349 USB wkg Continental 83 w/posrep, ATC clearance request for FL 350, adv to contact Honolulu on 112.82, stand-by for ATC ok. At 0345 wkg Delta 157 w/posrep,fol by Hawaiian 9 w/req for a primary freq. (RB)

Bangkok radio 1040 USB Volmet wx. (AW) Unid 1354 USB Volmet. (SB) (probably Singapore at H=50 slot -LOGS)

Unid 0941 USB Volmet for Japan. (SB) (Tokyo Volmet at H+40 slot hLOGS)

CIS Volmet 0906 USB Load & strong on both rigs. (SM) (Aktyubinsk or Kazakhstan in H+5 slot -LOGS)

OTIS 91 1939 USB req radio check from NY ATC (MF)

"Echo Charlie Victor" 0732 USB CLG Lae PNG (AW) ?-104 0018 USB PNG m/L (unknown). P2\PHA 0035 USB A2330B Squirrel helicopter fm PACIFIC HELICOPTERS. P2\HCO 0037 USB Bell 206 Jet ranger HEVI LIFT. P2\SIV 0039 USB Turbo Islander SIL AVIATION. P2\HLH 0040 USB ????.
P2\MBB 0041 USB ????.
P2\MBR 0043 USB ???? I think these two flight's are Milne Bay Air. P2\LAG 0236 USB ????.
P2\IH 0237 USB ???? Possible Island Aviation. P2\MBR 0238 USB ???? Daru to Port Moresby. P2\ANU 0240 USB F-28 Air Niugini. P2\MBN 0241 USB Citation jet Milne Bay air. Aussi\106 0242 USB RAAF a/c. P2\IA 0256 USB Bandirante Islands Aviation. P2-MBB 0123 USB wkg Moresby radio. Twin Otter Milne Bay Air. P2-MBF 0128 USB wkg Moresby radio. Islander. Milne Bay Air. (SB)

Gold 81 1315 USB wkg Gander 6in 30w 1321 f1350, 6in 40w 1401, 59n 50w req f1370: unable due traffic. N430A 1318 USB wkg Shanwick (Westwind) 53n 30w 1332 f1330, 53n 20w 1409, 53n 15w (self-ID'ed as westwind). Reach 410MR 1351 USB wkg Gander 6in 30w 1402 f1370, 6in 40w 1444, 59n 50w. Utah 82 1207 USB wkg Gander (KC-135) 57n 30w 1206 f1350, 56n 40w 1254, 54n 40w. Reach 1240 USB wkg Shanwick (C-141B) 49n 30w 1237 f1350, 52n 20w 1324, 53n 15w. N667SW 1618 USB wkg Shanwick (Gulfstream) self ID's as Gulfstream, selcal LPES. N500MH 1620 USB wkg Gander clg, no joy. Maine 95 1342 USB wkg Gander (KC-135, 132 ARS, Maine ANG)58n 30w 1340 f1370 mach .82, 58n 40w 1419, 57n 50w (BH)

PACIFIC AIR EXPRESS 3517 USB w/Brisbane /no selcal/ Lockheed Electra N360Q, Honiara to Brisbane. (JSM) Polynesianh-843 0202 USB wkg Brisbane
radio Apia to Sydney. EVA AIR 0207 USB Brisbane radio Auckland to
Taipei. NZ 0225 USB Brisbane radio Auckland to Narita. N319Q 0227
USB Brisbane radio To Sydney, any help with ID please. Coastwatch
110 0234 USB wkg Brisbane radio, enrt to Mackay QLD. VH-HJH 0234 USB
wkg Brisbane radio To Lord Howe Island. QA-46 0234 USB wkg Brisbane
radio Christchurch to Sydney. NZ-79 0250 USB wkg Brisbane radio
Auckland to Hong Kong. Air Nauru 321 0255 USB wkg Brisbane radio
Nauru to Melbourne. Reach-6E7 0600 USB wkg Auckland radio; to
Auckland on it's usual run. Niugini-3 0615 USB wkg Brisbane radio
Port Moresby to Brisbane. Reach-6E8 0619 USB wkg Nadi radio To
Honolulu. QF-11 0633 USB wkg Nadi radio LCE VH-OJM 747.400. Air
Van-17 0259 USB wkg BNE Port Villa to Brisbane EPDR VH-TJ1 737.300.
VH-SVN 0304 USB wkg BNE PA-31 Chieftain Seaview Air. VH-HJE 0310 USB
wkg BNE PA-31 Chieftain. NZ-21 0313 USB wkg BNE Auckland to
Singapore. Cathay-108 0314 USB wkg BNE Auckland to Hong Kong. Pacific
-931 0315 USB wkg BNE Melbourne to Nadi. FREEDOM-961 0317 USB wkg
BNE. United-842 0318 USB wkg BNE Melbourne to Los Angeles. Coast
Watch-173 0352 USB wkg BNE To Mackay 1500ft. PREMIER-1972 0353 USB
wkg BNE B727 freight. Pacific-950 2109 USB wkg Nadi radio. Brisbane
to Nadi 737.500. Indonesia-866 2112 USB wkg Brisbane radio. Jakarta
to Auckland DC-10. NZ-34 2118 USB wkg Auckland radio. Narita to
Auckland 777. Polynesian-29 2120 USB wkg Auckland radio. Tonga to
Auckland 737.300. Kiwi-799 2132 USB wkg Auckland radio. P-3 Orion
4202 BGAH RNZAF. VH-EBW 2154 USB wkg Brisbane radio F-28 Ansett
Australia. GCBF. Aussi-163 2206 SB wkg Nadi radio. RAAF. (SB)
8903 ETHIOPIAN 960 0039 USB w/Brazza @ "ERAVA" (03-10.6N/006-47.2E)
"FL-DE", ET-ALZ 767-200E Legos-Brazzaville. GAF 880 0124 USB
w/Brazza @ "TAKUM" (06-54N/10-20E) German Air Force Reg # 10-01
707-300C EDDK-Kinsasha. SBZ 013 0147 USB w/NDjemena @ "KIRM6"
(22-21LN/009-596E) Scibe Airlift Zaire SN-MXX (Can a/c be
reached? 0707-300C, destination Kinsasha. (JSM) Air France-273 0336 USB wkg
Moersea to Paris. QF-97 0337 USB wkg Moersea Cairns to Fukuoka.
Japan-772 0344 USB wkg Moersea Sydney to Narita (SB)
8906 Blue 01 1815 USB wkg New York (KC-xxx) est zibu 1940. Reach 4R1 1819
USB wkg Shankwick nothing heard. N995BC 1824 USB wkg Gander
(Gulfstream) 47n 30w 1823 F1410, 48n 40w 1919, 49n 50w, selcal
LRDS, self-ID'd as Gulfstream. Gold 91 1349 USB wkg Shankwick (tanker,
USAF) discussion abt posn after LASNO, comms problems, Gander
replayed, ----598 where a/c was totally unreadable & Shankwick barely.
(BH) Portishead Radio 2102 USB wkg '503' passing frequency of 139.95
for Madrid. (TB)
8921 Speedbird 962 0057 USB w/unk ground station, pp ops & maint regarding
hydraulic pressure problems. (kw2) (probably wkg Speedbird London,
British Airways -LOGS)
8930 United 941 1402 USB wkg Stockholm (B777, N767UA, UAL)relay to company
direct, ACARS inop. ACARS inop. comms via Stockholm radio, see remark
*** (BH) Stockholm 1459 wkg unid flight 401. Note that
this station comes in strong on all freqs I listened on. (DES) TOW100
1530 USB wkg Stockholm/p/p to Edwards & then Moscow! Re.AF1 & msg
for to be passed on Aide on board a/c. TOW100 wished to know when
next mission would and where to? WOA278 1550 USB wkg Stockholm
ARP/I2Z F370 Fuel 19.4 ETA WRSJ/0010. WOA271 1543 USB wkg Stockholm-
ARP/PADS01543 F370 Fuel 108.2 sel/GHAR N21WA MD11 Fl/t op. as
MAS202. WOA275 1553 USB wkg Stockholm-ARP/GETUK1553 F350 Fuel 63.2
ETA Jeddah 1805. SEDPK 1633 USB wkg Stockholm/req pp to Company in
Sweden. DA10. EW9122 0954 USB wkg Stockholm/p/p to Dispatch-ETA
Chicago 1720 Has 2 dogs on board with slight crack in wind
shield, to pass msg on to maintx. LTU127 1000 USB wkg Stockholm
req pp to ops dusseldorf. DCIEL 1008 USB wkg Stockholm/req radio &
secal check/BFKM DA10. SWM3162 1012 USB wkg Stockholm/dep Heraklion
0900/13 ETA ENGM 1615 51pax. DAL93 1014 USB wkg Stockholm/Radio &
secal check/CDPS N184DN B767. DAL77 1025 USB wkg Stockholm/On ground
Munich for selcal chk/CDBS N182DN B767. WOA112 1058 USB wkg Stockholm
ARP VELEX1026 F350 Fuel 30.6 N112WA DC10. DAL72A 1028 USB wkg
Stockholm/radio & selcal chk/BMCJ ? UAL917 1036 USB wkg Stockholm, pp
to 'SAM' LHR (UAL Maintx) Flt on ground Frankfurt, problem w/APU fuel
pump. DAGEJ 1055 USB wkg Stockholm/Radio chk-unreadable to call
11345 B737. AFRT262 1057 USB wkg Stockholm/Radio & selcal chk/3L6K
Pagina 416
WUN-h02


8942 THA 981 1600 USB w/Singapore @ "MINOS" (00-00/109-01.7E) "GK-EJ", HS-TGS 747-400 Bangkok-Sydney (JSM) SIA998 1800 USB wkg Manila, req selcal check DOAS 9VSMY B747 (RD3)

8957 Shannon Volmet 2350 USB aviation wx. (KW2)

10033 BIG A 661 1647 USB w/Miami "over Texas, departing Houston", "HK-AD" N661AV DC8-63CF (JSM)

10051 New York Volmet (NAT-VOL) 0100 USB w/aviation wx for various cities, ID, "this is New York Radio". (RB) VFG: Gander Volmet, NF, CAN 0024 USB w/aviation wx. (RT2)

10075 Houston Radio 0208 USB wkg unid a/c 68J, radio ck, departed Miami Int Aprt flying over Ft Lauderdale FL. (KW2)

11300 Cairo ATC 1526 USB wkg united 573 (I think. Couldn't hear the AC & the Cairo op was talking really fast...) Cairo & Khartoum 1528 usb passing info. (SM)


11396 AIR CHINA-176 0610 USB wkg Perth radio. Coast Watch-523 0350 USB wkg Perth (SB)

13261 DTA-06F 0123 USB wkg Nadi radio id as a B707 D2-TOP, EGAL, enrt from Manila to Nadi. (SB)

=DIGITAL MODES=

Please note that ARQ is used for Sitor-A, FEC is used for Sitor-B, and both of these modes are 100/170 unless noted otherwise. RTTY is used for Baudot. This is not as a statement of correctness, but rather a space saving measure.


1942.5 Unid: 1747 OPSK 250bps DGPS info (MC)

1975 Unid: 1751 FSK 300bd/200 DGPS info, ACF=10 (MC)

2216.5 Unid: Guardia Civil 2024 ARQ 100bd/400 Clg selcal "TXXS" (Madrid) (MC)

2442 MOI-Bonn VFT CH1 2140 ARQ-E 94/64 (HL)

2443 MOI-Bonn VFT CH1 2140 ARQ-E 72/64 (HL)

2444 MOI-Bonn VFT CH3 2140 ARQ-E 96/64 (HL)

2789 FUE: FN Brest F 1726 RTTY 75/850 (HL) FUE: French Navy, Brest France 0710 RTTY 75/850 RY's, SG's & Testing. (PS)

2840 MOI Cuxhaven D 2110 ARQ en克拉msg (HL)

2844 CFH: CANFORS, Halifax 0419 RTTY 75/850 CARB (JD2)

2892 GYA: RN London G 2119 RTTY 75/850 test 2156 3FG's (HL)

3172.5 IMBl: Roma Meteo, I 2124 RTTY 50bd AAXX (AB) IMBl: Roma meteo. I 2147 RTTY 50/850 wx. (SM)

3203 Royal Navy 1941 RTTY 75bd/850 crypto "16ry's vmtcnjbb" (MC)

3219 UNID: 2213 ARQ-625 "twbb" (HL)

3232 AFS: USAF Offutt AFB, Elk Horn, Ne 0250 RTTY 75/850 w/meteco. (RT2)

3272 MOI Dusseldorf D 2159 ARQ-E Idling (HL)

3272.9 MOI Dusseldorf,D 2130 ARQ-E 96bd Ftf to police Hamburg (PHNVW) (AB)

3331 UNID: 2136 RTTY 45/150 "Faj243" (HL) Unid: 2218 RTTY 50bd/170 ATU-80 (MC)

3357 NAA: USN Cutler? 0419 FAX 120/576 "Norfolk, Va" FAX (JD2)

3358 Unid: 0419 Piccolo 4 channels, all idle (JD2)

3360 RPN71: Kyev meteo. 2249 FAX 90/576 (HL)

3390 MGJ: RN Fastlane,G 2135 RTTY 75bd Availability msg (AB)

3393.7 USN Roosevelt roads 0634 RTTY 75/850 Continuous "qbfr figs test" but no ID. Double line spacing. (DW)

Pagina 417
3434.9 Royal Navy, G 2137 RTTY 100bd Fleet broadcasts (AB)
3516 GNI: Niton r. G 1907 ARQ tape (HL)
3542.7 GKE1: Portishead radio 0937 FEC N Atlantic weather. (DW)
3740.7 MOD Paris, F 2144 ARQ-M2 200bd Idling (AB) RFFVA: FAF PARIS, F 0444
3832.7 ARQ-M2 200/400 a: idle b: idle (SS)
3855 DDH3: Hamburg Met. 1900 Fax 120/576 WX Chrts (HL)
3922.5 Unid: 0829 UTC ARQ-E 85.7 bd (NOT part of FDM) (JD2)
4002 YRR2: Bucharest Meteor, ROU 2122 RTTY 50bd Synops (AB)
4015.5 MARS-traffic PACTOR and J3E-test traffic with Croatia c/s AE... (QRM)
later 2 MARSgram's
4017 SNN299: Polish MFA, Warsaw 2040 POL-ARQ 100bd/250 Economic bulletins
in EE (MC)
4162 HWN: Navy Paris, F 1322 RTTY 75bd Test tape (AB)
4172.5 IBAR: M/V ARNO 2138 ARQ DIFMAR(AMVER) msg to IAR login 20842 IBAR
4175 SNN299: Polish MFA, Warsaw 2040 POLhARQ 100bd/250 Economic bulletins
in EE (MC)
4177 ZDAR2: M/V BARBARA E. 0340 ARQ W/TLX, ARR HOUSTON, ETD 16TH. (WT)
4180.5 ULCL: T/H KUBA 0700 RTTY 50/170 msg in Eng for eta Eemshaven to UIW.
(HOOD)
4185.5 KPFD: Arco Prudhoe Bay 0444 ARQ msg ck. (AB2)
4202.5 ZLO: Waiouru NZ 0155 75/200 Online Crypto RNZ Navy (AB3)
4205 CFH: Halifax Military, CAN 0100 RTTY 75/850 w/broadcast times &
freqs. (RT2)
4211 GKE2: Portishead radio 0930 FEC N Atlantic wx. (DW) KEJ: Globe wireless, Kahalelani, Hi
0615 FEC w/station info, tcf list, also at 0715, on new channel
(SOL). (RB)
4261 ZLO: Waiouru NZ 0155 75/200 Online Crypto RNZ Navy (AB3)
4263.1 ZLO: Waiouru NZ 0155 CW Mkr - RNZ Navy (AB3)
4268 Gothenberg Radio 0002 ARQ selcalling OTFS (RC)
4271 FUJ: Noumea 0525 RTTY 75/850 RY Text Tx (AB3)
4271.5 CPH: Halifax Military, CAN 0100 RTTY 75/850 w/broadcast times &
freqs. (RT2)
4300.5 KEJ: Hoolehau 1109 CW (SS) KEJ: Globe wireless, Kahalelani, Hi
0615 FEC w/station info, tcf list, also at 0715, on new channel
(SOL). (RB)
4343 WLO: Mobile Radio, AL 1235 FEC w/tcf list. (RT2)
4346 NMC: CAMSPAC Point Reyes, CA, US 0849 FAX 576 w/48 hr surface
forecast chart w/NOAA ID, v.good chart. (RB)
4372.5 Unid F22: 0448 RTTY 50/850 w/several lines of RY's, SG's & W2M DE F2Z
INT MSA MSC. (RB)
4446.7 Unid: 2005 FSK 108.9bd/170 UNID System, ACF=32 (Q5K=5315.7kHz) (MC)
4489 GPLZ6: Bracknell MET 0857 RTTY 75/400 Met tcf then ID "cq de GFL
23/24/25/26". (DW)
4496 Unid: 0515 ARQ as if in xmit mode, but never sync'ed despite strong
signal to 0615 & off. (RB)
4562.5 Guardia Civil 2123 ARQ 100bd/400 crypto (MC)
4570 HZM46: Jedda Meteo, ARS 2113 RTTY 100bd Metars (AB)
4575 Unid: 2043 Piccolo-12, crypto (MC)
4583 DK2: Hamburg MET 0845 RTTY 50/400 Marker "cq de DK2/DDK7/DDK8
frequencies 4583 kHz 7646 kHz 11638kHz & ry's. Wx in German. (DW)
4750 Spanish Police ? 1808 ARQ "de RETYMR" w/clear text messages about
cars and people. (RC)
4752.5 RETYMAR: Guardia Civil, Albacete 2006 ARQ 100bd/170 Crime reports
in SS to RETXX (Madrid) (MC)
4854 ICRC-Genève ARQ Various messages. (J22)
4855.7 UNHCR PACTOR-U w/Sitreps in Chechenya and chatter. (J22)
<table>
<thead>
<tr>
<th>Time</th>
<th>Call</th>
<th>Text</th>
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<tbody>
<tr>
<td>4902</td>
<td>Unid: 1929 75/850 ACF 64 at start (JD2)</td>
<td></td>
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<tr>
<td>4930.5</td>
<td>SPW: Warsaw Radio,POL 2102 ARQ Tfc list (AB)</td>
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<tr>
<td>5055</td>
<td>JFY6: Amman Jordan 1621 RTTY 50/405 PETRA nx AA (AB3)</td>
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<tr>
<td>5082.3</td>
<td>RFLI: 1036 ARQ-E3 192/363 Cdev on C/I IRT (SS)</td>
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<tr>
<td>5083</td>
<td>DHJ31 Grengel Met 1759 RTTY 100/400 (Gd2)</td>
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<tr>
<td>5097.4</td>
<td>CFH: Halifax Canada 0610 RTTY 75/850 NAWs bcst - listening on</td>
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<td>2822/3287/4155/6236/8315/16561/22185 (AB3)</td>
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<tr>
<td>5100</td>
<td>Melbourne Meteo 1900 FAX w/charts. (HL)</td>
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<tr>
<td>5112.9</td>
<td>Unid: 1851 VFT 75bd/85 2ch UNID FSK System, async, cont, no ACF (MC)</td>
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<tr>
<td>5113.4</td>
<td>Unid RTTY 50bd/170 duplex-net &quot;W10 de 100&quot;, NATO procedures, in EE.</td>
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<tr>
<td>5127.2</td>
<td>73**: 1833 FEC 100bd/170 Figures timestamped (UTC+1) in CBRS mode</td>
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<td>5135</td>
<td>MKK: RAF London 0829 Piccolo wkg MUH (JD2)</td>
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<tr>
<td>5140</td>
<td>TZI213: Tanjug Belgrade 2122 RTTY 50/500 EE press. (DW)</td>
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<tr>
<td>5146.4</td>
<td>V5G***: Romanian MFA, Bucharest 2009 ROU-VEC 164.5bd/400 crypto (MC)</td>
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<tr>
<td>5149.1</td>
<td>Unid 2019 FS 108.9bd/170 UNID System, ACF=0 (MC)</td>
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<tr>
<td>5155.4</td>
<td>5752.5</td>
<td>Swiss E/MFA, loc? 1857 ARQ 100bd/850 UNID System, Regular bursts</td>
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<td></td>
<td></td>
<td>(QSY fm 6928kHz) (MC)</td>
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<tr>
<td>5174</td>
<td>Unid 1804 RTTY 100b French Simplex. Female &amp; Male. 5LG's. (SM)</td>
<td></td>
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<tr>
<td>5179.5</td>
<td>RNZAF Data commns (crypto) see 5764 (AB3)</td>
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<tr>
<td>5181</td>
<td>Bucharest Meteo 2301 RTTY 50b Coded wx for Rumanian stations (RC)</td>
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<tr>
<td>5185.2</td>
<td>Unid: 0829 Piccolo 3 channels (JD2)</td>
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<tr>
<td>5199.5</td>
<td>5262.2</td>
<td>Egyptian MFA, Cairo 0644 ARQ 100bd/85 Clg selcal &quot;QEMP&quot; (MC)</td>
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<td>Unid: 0829 Piccolo 3 channels (JD2)</td>
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<td>5240</td>
<td>TZI213: Tanjug Belgrade 2122 RTTY 50/500 EE press. (DW)</td>
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<tr>
<td>5251</td>
<td>V5G***: Romanian MFA, Bucharest 2114 ROU-VEC 164.5bd/400 crypto (MC)</td>
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<tr>
<td>5260.2</td>
<td>Egyptian MFA, Cairo 0644 ARQ 100bd/85 Clg selcal &quot;QEMP&quot; (MC)</td>
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<tr>
<td>5273</td>
<td>Unid: 1804 RTTY 100b French Simplex. Female &amp; Male. 5LG's. (SM)</td>
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<tr>
<td>5274.8</td>
<td>Unid: 1804 RTTY 100b French Simplex. Female &amp; Male. 5LG's. (SM)</td>
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<tr>
<td>5284.6</td>
<td>Unid: 0829 Piccolo 3 channels (JD2)</td>
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<td>5292.8</td>
<td>Egyptian MFA, Cairo 0644 ARQ 100bd/85 Clg selcal &quot;QEMP&quot; (MC)</td>
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<tr>
<td>5315.7</td>
<td>Unid: 2019 FSK 75bd/85 2ch UNID FSK System, async, cont, no ACF (MC)</td>
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<tr>
<td>5348.4</td>
<td>Unid RTTY 50Bd/170 duplexhnet &quot;W10 de I00&quot;, NATO procedures, in EE.</td>
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<tr>
<td>5395</td>
<td>Unid: 0829 Piccolo 3 channels (JD2)</td>
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<tr>
<td>5405</td>
<td>Egyptian MFA, Cairo 0706 ARQ 100bd/85 constant selcal &quot;QEMP&quot; (MC)</td>
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<tr>
<td>5433.7</td>
<td>Unid: 0829 Piccolo 3 channels (JD2)</td>
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<tr>
<td>5470.8</td>
<td>Unid: 0600 ARQhE3 96/425 idling. (RB)</td>
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<tr>
<td>5495.5</td>
<td>BOZK: Bin Cheng 0240 ARQ tfc. (AB2)</td>
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<tr>
<td>5500</td>
<td>OXT: Copenhagen Meteo, DNK 0045 FAX 120/576 w/last segment of &quot;chart 2&quot;</td>
<td></td>
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<tr>
<td>5525</td>
<td>IMB32: Rome Meteo, Itlay 0121 RTTY in 50/850 AAXX wx synops. (RB)</td>
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<tr>
<td>5540</td>
<td>Unid: 0600 ARQ-E3 96/425 idling. (RB)</td>
<td></td>
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<tr>
<td>5549.4</td>
<td>LAKW2: Swan River 0219 ARQ AMVER msg, selcall 26557. (AB2)</td>
<td></td>
</tr>
<tr>
<td>5562</td>
<td>5625.5</td>
<td>EIAAHYX***: Shannon Aeradio, Ireland 1729 RTTY 50bd/850 &quot;ryryry...nnnn</td>
</tr>
<tr>
<td></td>
<td></td>
<td>eiaahyhx&quot; (MC)</td>
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<tr>
<td>5571</td>
<td>MKK: Royal Air Force, London 1722 VFT 6ch of 50bd/200 Baudot (DCN),</td>
<td></td>
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<tr>
<td>5580.5</td>
<td>OXT: Copenhagen Meteo, DNK 0045 FAX 120/576 w/last segment of &quot;chart 2&quot;</td>
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<tr>
<td>5590.6</td>
<td>Unid: 0600 ARQ-E3 96/425 idling. (RB)</td>
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<tr>
<td>5608.5</td>
<td>IMB32: Rome Meteo, Itlay 0121 RTTY in 50/850 AAXX wx synops. (RB)</td>
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<tr>
<td>5622</td>
<td>LAKW2: Swan River 0219 ARQ AMVER msg, selcall 26557. (AB2)</td>
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<tr>
<td>5636.5</td>
<td>Bus: Bin Cheng 0240 ARQ tfc. (AB2)</td>
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<td>5680.2</td>
<td>LAKW2: Swan River 0219 ARQ AMVER msg, selcall 26557. (AB2)</td>
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<td>5680.2</td>
<td>LAKW2: Swan River 0219 ARQ AMVER msg, selcall 26557. (AB2)</td>
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<tr>
<td>5680.2</td>
<td>LAKW2: Swan River 0219 ARQ AMVER msg, selcall 26557. (AB2)</td>
<td></td>
</tr>
</tbody>
</table>
ALBEMARLE ISLAND 0236 ARQ W/TLX Sailed MIAMI, ETA BALBOA. LOGIN 27614 ALBE. N/A: UNID 0132 ARQ I'VE GOT THIS LOGIN (46276 UMER) MANY TIMES BUT CAN'T ID. LAMU4: MS MONARCH OF THE SEAS 0233 ARQ RX ONLY. CRY: M/T INAGO 0318 ARQ W/AMVER LOGIN 51860 CRY. (WT)

6266 ALBNP: SONG OF NORWAY 0300 ARQ W/AMVER/SP LOGIN 32407 LVNP3. (WT)

6267 UFSS: Artem 0235 ARQ tlx to Druzhba, Yokohama for needed parts, selcall 55951. (AB2) OWWW2: M/V Arktis Ocean 0528 ARQ w/tlx to Elite Shipping re crew matters. (RB) UFSS: M/V ARTEM 0235 ARQ W/MSG TO UBE2? (WT)

6267.5 KRGC: Francis Hammer 0553 ARQ Catamaran tug, w/BBXX wx obs, login 11117 KRGC. YYVP: TKH Ivan Korobtsof 0924 ARQ Ukrainian general cargo vsl, w/posn tlx (4046N/0615W) to General Steamship. (RB) ELGH2: M/V DOLE CALIFORNIA 0314 ARQ AMVER/SP, L.A. TO GUAYAQUIL. LOGIN 24741 ELGH. Y3WZ7: M/V NELVANA 0615 ARQ WKG WLO, RX ONLY, LOGIN 52258 NELV. (WT)

6269 DUCT: EURASIAN CHARM 0613 ARQ W/TLX, LOGIN 76768 DUCT. N/A: UNID 0610 ARQ W/BBXX, LOGIN 24423 ELRR. (WT) (probably ELRR5 M/S Legend of the Sea's, one of Royal Caribbean Cruise Lines new 1800 passenger cruiseships -LOG5)

6269.5 TCMC: M/T PAZAR 0653 ARQ eta Brest login 65724 TCMC. (HOOD)

6270 SXZE: M/V El Flamenco 0317 ARQ w/sailing report tlx, login 16730 SXZE. (RB)

6271 LXCI: LPG/C GENT?? 0214 ARQ RX ONLY, LOGIN 36256 LXCI. (WT)

6272 9HLQ3: MV ELINKA 1950 ARQ msg to Piraeus via SVB login 29329 LINK (ITU gives name as "LINK" but not correct). (HOOD) N/A: M/V Continental Beta 0649 ARQ Dry Cargo vsl, w/tlx re stowaway & having an immigration guard taken on board at Sweden to Spain. (RB)

6272.5 9HNJ3: SS KENAI 0605 ARQ W/TFC. (WT)

6273 ELFO3: M/V Rhine Forest 0803 ARQ w/msg ck. (RB) C6SX: M/V BLACK SEA 0307 ARQ RX ONLY, LOGIN 70066 C6SX. (WT)

6275 AMNF: SS KENAI 0605 ARQ W/TFC. (WT)

6276 9HRE3: T/H DANUBE EXPRESS 1748 CW msg to Izmail USO5. (HOOD)

6277 KNCX: SS CHELSEA 0140 ARQ WKG WNU W/QRG RPT, ID 0201. LOGIN 10725 KNCX. (WT)

6278 9HAT4: M/V PAYARORORO 0618 ARQ W/TLC IN ?? (WT)

6305 GKE3: Portishead radio 0938 FEC N Atlantic weather forecast. (DW) UFN: Novorossiysk r. RUS 2125 ARQ tape (HL)

6325.5 WLO: Mobile Radio, AL 0100 FEC w/tfc list. (RT2) WLO: MOBILE R AL, USA 0851 FEC tfc list (SS)

6344.4 Royal Navy, G 1509 RTTY 100bd Fleet broadcasts (AB)
Cairo (MC)

7755.2 RFQP: French Forces, Djibouti 2350 ARQ-M2 200/425 idling. (RB)

7763.7 D6Z: Ascena Moroni 1225 ARQ-E 48b idle (EW)

7770 Unid: 1400 81/50 41/500 Unid CIS 81-81 (GD2)

7784 AFB: Elk Horn 2210 RTTY 75/850 wx (HL) AFS: Offutt (Elk Horn), Ne 2100 RTTY 75/850 w/KAWN Metars for U.S. airfields (8-bit baudot, two-bit "stop" element) //13835. (JD2) USAF Meteo Puerto Rico 2300 RTTY 75/182 Aviation Weather for US & South American stations (RC) NRR: Roosevelt Roads, PR 1848 RTTY 75/850 AWS/USAF wx. (RT2) (although sending KAWN USAF data, this is supposed to be a USN xmitter at Roosevelt Roads, PR -LOGS)

7808 DFZG: Belgrade 1730 RTTY 75/400 MFA (GD2) DFZG***: Serbian MFA, Belgrade 0615 RTTY 75bd/400 "dfzg dfzg dfzg qtc ryry..." then crypto (MC)

7820 V5G***: Romanian MFA, Bucharest 1615 ROUhFEC 164.5bd/400 crypto (MC)

7822.3 RFFA: MOD PARIS, F 0548 ARQ-E 200/340 idle (SS) 2346 ARQhE3 200/425, idling. (RB)

7831.3 Unid: 2342 ARQhE3 48/425 idling. (RB)

7842.4 CCM20.1X: MAP Rabat 1017 RTTY 50/400 FF press. (DW)

7845.7 Egyptian Embassy, Riyadh 2100 ARQ ATU-80 MSGs to MFA Cairo (MC) Egyptian Embassy, Bahrain 2100 ARQ ATU-80 MSGs to MFA Cairo (MC)

7870 NRR: Roosevelt Roads, PR 0105 FAX 120/576 w/chart. (RT2)

7895 SPW: Warsaw r. POL 1850 POLhARQ msg (HL)

7898 Unid 0040 ARQ-E 72/85 idle (logged as Bonn [MOI] in ENL newsletter. (ED) MOD GERMANY, IFOR 0704 ARQ-E 72 idle 85HZ shift (EW)

RFQ: Maurice Roads. MFA Bucharest ROU 0154 50/300 FF press (GD2)

7915 PIAB Bonn 1515 FEC-A 96/425 w/nx in GG. (PT)

7916 DGG91L2: PIAB Bonn 0540 FEC-A 96/400 Start up sequence "qra de DGG91L2 auf 7916 kHz" and ry's. No schedule. German press. (DW)

7945.8 RFV: French Forces, Le Port Reunion isl 2335 ARQ-E 96/425 idling, should be circuit "ITT". (RB)

RFV: FF Le Port REU 2220 ARQ-E/92 idle 2028 msg (HL) RFFV***: French Forces, La Reunion 1642 ARQ-E 96bd/400 5LGs "de rffvibds" (MC)

7949.7 Unid: 1300 ROUhFEC 164.4b (RC)

7954 Unid: 1017 ARQ poor sig. (EW)

7959 9823: Tehran Iran 2001 RTTY 50/350 NZ EE (AB3)

9823: Tehran 1840 RTTY 50/400 IRNA EE Press (GD2)

98C: IRNA Teheran 1845 RTTY nx Ar. (HL)

7961.7 Unid: Philippine Military 1001 ARQ EE Mil tfc "de Liberator" (AB3)

7975 SPW: Warsaw radio 1405 FEC Polish ship press. (DW)

SPW: Warsaw 1900 ARQ Polish text (GD2)

7983.5 RFLI: French Army, Forte De France 0200 ARQ-E 48/340 Circuit [TFJ]. Controle De Voie" (PS)

7983.8 RFTJ: FF DAKAR 0724 ARQ-E 96 425 CdeV (EW)

7987.9 RFH: FF TAHITI 0956 ARQ-M2 128.5 wx msgs to RFHMMGO (Muroroa atoll) (EW)


8020 HMF52: KCNA News, Pyongyang 1577 RTTY 50bd/250 "ryry qra de hmf52/hmf52 freq 11476/8020 kcna" (MC)

HMF85: KCNA Pyongyang, N.KRE 1340 RTTY 50/850 w/nx. (RT2)

8022 Unid: Romanian? 1519 ROU-REC 218.3bd/400 crypto (MC)

8026 MFA Bucharest ROU 1854 ROU-REC encr.msg (HL)

8028 SNG202: Polish MFA, Warsaw 0731 RTTY 100bd/500 repeated "ryry... sng-202 sng-202 ryry" (MC)

8040 SAM 518: 2350 USB heard c1g Andy + vice versa but no contact. So they try F211 (11056) later on 11056 Radio checks again - but only Andy heard. (PR)

8045.5 KYU: Royal Navy, Gibraltar 0717 VFT: 2ch of Piccolo-6, engineering ch. "lololo de guy test test test" (MC)

8045.9 KYU: Royal Navy, Gibraltar 0717 VFT: 2ch of Piccolo-6, crypto tcf (MC)

8050.2 RFQP: French Forces, Djibouti 2306 ARQ-M2 200/425 idling. (RB)

8067 Unid: Russian Diplo 1558 CROWD-36 (MC)
Norfolk UTC? FAX 120/576 always strong here (DM2) (see next log for corrected ID -LOGS) NAA: USN Cutler, Ma 1145 FAX 120/576 w/300MB temp chart. (RT2)

Unid: Russian?? 10631 81-81 81bd/250 tfc (MC)

GYU: Royal Navy, Gibraltar 0713 VFT: 2ch of Piccolo-6, eng. ch "lololo de gyu de gyu" (MC)

GYU: Royal Navy, Gibraltar 0714 VFT: 2ch of Piccolo-6, traffic ch idle (MC)

Unid: German Diplo? 0656 MERLIN 228.7bd/170 tfc (MC)

Unid: Russian Diplo 1835 CROWD-36 (MC)

Egyptian MFA, Cairo 1931 ARQ clg selcal "XBVQ" (Embassy Paris) (MC)

RFQP: French Forces, Djibouti 2309 ARQ-M2 200/425 idling. (RB)

Unid: German Diplo? 0716 MERLIN 240.1bd 8 tone MERLIN (MC)

Lusaka, Zambia 0400 RTTY 50/425 airport traffic & meteo. (MS4)

Unid: 1723 POL-ARQ Diplo messages to Brussels (JD2)

SNN299: Polish MFA, Warsaw 0658 RTTY 75bd/250 "cq1 cq1 cq1 snn299 warszawa" and embassy QTC list (MC)

Egyptian MFA, Cairo 1810 ARQ 100bd/170 ATUh80 to Embassy Rome (fljk) (MC)

HMF86: KCNA Pyongyang, N.KRE 1210 RTTY 50/850 w/FF nx. (RT2)

Unid: 0747 FSK 108.9bd/170 UNID System, ACF=32 (MC)

Egyptian MFA, Cairo 108.9bd/170 UNID System, ACF=32 (MC)

Unid: 0747 FSK 108.9bd/170 UNID System, ACF=32 (MC)

Unid: 0747 FSK 108.9bd/170 UNID System, ACF=32 (MC)

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Unid: 0747 FSK 108.9bd/170 UNID System, ACF=32 (MC)

RTWBB***: Guardia Civil, Barcelona 2001 ARQ 100bd/400 MSGs in SS to RETxx stations (selcal TWBB) (MC)

UN/ICRC, Bosnia 0725 PACTOR-I 200bd/200 msg in FF mentioning "split, Bosnie" (MC)

LY: 0820 ARQ look like SS text don't know who this is. (EW)

Unid: Egyptian Embassy? 2325 ARQ 100/425 idling after sending unk selcall & off. (RB)

RFH1 Noumea New Caledonia 0115 ARQ-E3 100/400 Idles/Controle de Voie to Fort de France (AB3)

FUF: FN Fort de France MRT 2148 RTTY 75/850 test (HL)

HJNF: MV DINAMARCA 0008 ARQ to GKE login 24105 HJNF. This call is listed in ITU as SIMON BOLIVAR. P3GX2: M/V LAODIKI 2 1710 ARQ posn rpt (ex Bon Luck ??). J8EDG: T/H KOLKHHIDA 1750 ARQ admin from Km Aroshidze to Batumi via GKB login 23302 J8ED6. (HOOD) C6IX7: M/V Louis 2155 ARQ w/EE tlx to Electronique Generale re repaired ELT, ex-Hibiscus? 9HNG3: M/V Konavle 2203 ARQ bulk carrier, w/login for msgs, login 13467 CCG.

C6JO8: Perseus 0232 ARQ outbound from Cristobal, ETA for New Haven, UK, selcall 36266. SQAT: Kuznica 0133 ARQ tcf via SPB in PP. SWHI: Dion 0156 ARQ
tfc for Tsakos Hellas in Greek. 3EI8: Atlantic Star 0204 ARQ tfc for Tokyo, selcall 42715. OXIG8: Philomena Purcell 1257 ARQ tfc. (AB2) C6J80: M/V Perseus 0532 ARQ w/tlx re ETA New Haven, login 61303 C6J80. (RB)+(WT) 3FYE3: MSC DOMINIQUE 0041 ARQ W/TLX, ETD MIAMI. LOGIN 42181 3FYE3. ELIG8: M/V INDIAN OCEAN 0454 ARQ WX OBS BBXX. LOGIN 24750 INDO. DVRD: GENERAL TIRONA 0317 ARQ W/TLX. 4NM W OF BAJA, N OF BORDER, ENRT PHILLIPINES. SXZ: M/V EL FLAMENCO 0453 ARQ WKG WLO, TLX ETA CSR, LOGIN 16730 SXZ. (WT)

8379.5 3FMN4: Energy Prosperity 1427 ARQ AMVER msg. WTEA: NOAA Discoverer 2327 ARQ noon posn report via NOJ. (AB2) PPWG: M/V Nacional Saos 0343 ARQ w/kg PPR w/SS tlx, login 02000 NACSA. (RB) WLBK: Lawrence H. GIANELLA 1725 ARQ W/TLX, LOGIN 42181 3FYE3. ELIG7: M/V INDIAN OCEAN 0454 ARQ WX OBS BBXX LOGIN 24750 INDO. DVRD: GENERAL TIRONA 0317 ARQ W/TLX. 4NM W OF BAJA, N OF BORDER, ENRT PHILLIPINES. SXZ: M/V EL FLAMENCO 0453 ARQ WKG WLO, TLX ETA CSR, LOGIN 16730 SXZ. (WT)

8380 UVMH: Mekhanik Bardetskiy 0223 ARQ ETA Fort de France, selcall 67884. 3BJF: Bel Azur 0248 ARQ tfc for Navemar, Tampico for charts, vsl bound for Altamira, selcall 02754. (AB2) YJZT8: M/V Golden Sun 0238 ARQ w/tlx re ETA. (RB)

8380.5 3FVY4: MSC Federica 0142 ARQ tfc for Geneva & Sorrento, selcall 42014. (AB2) CCLY: PFG Lynch (Fh07) 0305 ARQ Chilean Navy British Leader-class frigate, wkg CBV, Valparaiso Radio, Chile, w/reg for msg traffic, login 19017 CCLY. C6MM3: M/V Sevilla Carrier 0426 ARQ w/SISNAV/SP (AMVER) tlx, loc at Valparaiso, login 27687 SEVL. ELOF4: M/V Bruce Smart 0445 ARQ w/tlx tfc. (RB) 3EAW7: M/V PACIFIC RIDER 0150 ARQ W/TLX, LOGIN 42593 3EAW7. (WT)

8381 OXBM6: Fetish 0307 ARQ tfc. (AB2) 5QUV: MV FAROENAV 1022 ARQ wkg OXZ login 08390 5QUV. (HOOD) ZCUX: M/V Repulse Bay 0245 ARQ w/tlx for ETA Port Cali, login 48696 ZCUX. 3EIK8: M/V Atlantic Star 1226 ARQ w/tlx to Star Reever London, login 42715 ASTR. (RB) 3EIK8: M/V Golden Sun 0238 ARQ w/OBS,BBXX. ELOE9: M/V FETISH 0624 ARQ W/TLX, LOGIN 24408 ELOE9. (WT)

8381.5 UYPO: Stepan Krasheninnikov 1456 ARQ tlx to Hyundai Logistics, Busan re ETA Busan, selcall 55105. (AB2) YLBO: M/V DIZHOUS RIDS 0613 ARQ w/tlx, 2547S 07426W (WT)

8382 WNRD: Mokihana 1336 ARQ AMVER msg. (AB2) ESDX: M/V VILSANDI 1658 ARQ posn rpt to ESA. ESAC: M/L SOODLA 1600 ARQ posn rpt to ESA. (HOOD) 8382.5 UTXJ: TH Vera Khoruzhaya 2236 ARQ w/crew TG's to Mariopol Radio. (RB) ATPN: M/V HARGOBIND 0240 ARQ W/AMVER/PR, Login 23590 HRGD. P3UQ2: M/V PTOLEMEOS 0445 ARQ W/LONG TLX LOGIN 00536 P3UQ2. N/A: OMI COLUMBIA 0351 ARQ W/TLX, ETA EL SEGUNDO. (WT)

8383 UTEW: Szwodobnyj 1328 ARQ crew TG's. (AB2) P3BS2: M/V Heron 0126 ARQ w/TLX in unk lang via SVU. C6IP3: M/S Meridian 0330 ARQ w/on-line req, "QRU for C6IP3", & tfc in unid lang. SZMK: M/V Chios Beauty 2316 ARQ Greek bulk carrier, wkg SVU for tfc QRU. (RB) USYD: TK USINSK 0703 ARQ W/TG'S. UOUN: TH VLADIMIR ARSENEV 0616 ARQ W/TG'S. SZPA: MAASSLOT L 0335 ARQ W/1 MSG, (QTC 1), IN ?? LOGIN 16953 SZPA. (WT) UTHZ: Antares 1250 ARQ crew TG's. UJZX: Khasan 1409 ARQ crew TG's. (AB2)

8383.5 UERK: ro-ro ferry SAKHALIN 8 1720 ARQ cargo details for arrival Travemunde login 55754 UERK. ESAY: MV ABRUKA 1019 ARQ login 66131 ESAY. ESDZ: M/V FRISOHAVEN 1024 ARQ QSO with operator at ESA login 56762 ESAY. (HOOD) 8384 6ZOW: M/V Allalinhorn 0350 ARQ Liberian bulk carrier, w/"Peru Shiprep" (AMVER). (RB) 3EZX8: M/T AMAZONIA 0137 ARQ W/TLX, LOGIN 26979 AMAZON. (WT)

8384.5 P3XX6: Frines 0331 ARQ AMVER msg. P3AE4: Angela Green 0256 ARQ tfc for Rotterdam, selcall 26854, ex-Krasnogorsk? (AB2) UWXX: M/T Kapitan Ostashevskiy 0725 ARQ w/arrival/passage report tlx for Guayanilla, login 54969 UWXX. (RB) 9HNQ3: MB PETKA 0408 ARQ W/TLX, LOGIN 56806 PETK. (WT)

8385 WUQL: Ocerseas Joyce 0017 ARQ msg, selcall 11832. (AB2) 8385.5 WLVD: LURLINE 0500 ARQ W/EMAIL. WEZM: SS EWA 0343 ARQ WKG WNU, W/EMAIL. DEPT SAN PEDRO. (WT)

8386 NAMM: USNS Algol 0222 ARQ tfc via NMC. (AB2) C6KV3: Canterbury Star 0639 ARQ W/BBXX WX obs tlx, login 61384 CTBS. (RB) 4XGU: ZIM KOREA 0145 ARQ W/AMVER, PANAMA CANAL TO L.A. LOGIN 50584 4XGU. (WT) WJBG: Overseas Ohio 0317 ARQ tlxs to Cleveland & Honolulu, selcall 10710. 9VOK: Maritime Mosaic 0310 ARQ AMVER/PR, 39.35N/146.52W, reduced speed due to wx. (AB2)

8386.5 C6FT: Norasia Malacca 1349 ARQ login by c/s & selcall 41575. EQPS: Pagina 424
Iran Jamal 1417 ARQ admin tlx to M/S Singapore. EQPZ: Iran Mutteh 1355 ARQ admin tlx voyage 7-0213, selcall 59241. (AB2) P3CF6: M/V AGIA THALASINI I 0238 ARQ W/TLX TO PACNAV MEXICO. (WT)

8387
UNID m/V "Omerto" 1304 ARQ to topoil Kotenb. msg (HL) DUAP: Calatagen 0456 ARQ w/AMVER/FR. for Punta Arenas. (RB) ATPN: M/V HARGOBIND 0251 ARQ W/AMVER/FR. 0545S 10438W ETA SALBOA. VVML: M/V LOK PRATAP 0530 ARQ W/TLX, ETA COLUMBIA RIVER P/S. DUCT: EURASIAN CHARM 0110 ARQ W/TLX TO KLINE TOKYO. VIA KPH. SUCD: M/V ALWADI AL GADEED 0222 ARQ W/TLX, LOGIN 78001 SUCD. (WT)

8387.5 SQRC: Moniuszko 1510 ARQ tlx tfc for Gdynia in Polish. (AB2) 3FAL6: Crown Emerald 0057 ARQ w/OPR chat re charges for a R/T call. (RB)

8388.5 C6JO7: Pelagos 1359 ARQ tfc for Yica Freight Services, Maputo. H9UM: Arcadia 0209 ARQ lengthly vsl status rpt & ETA's for Kingstown, Georgetown, selcall 26524. (AB2)

8389.5 N/A: FALSTAFF J. DUCZNSKI 0608 ARQ W/BBXX. J. = JANNE. LOGIN 26366 FALSTA. ELCO5: M/T CHEVRON PACIFIC 0533 ARQ W/BBXX, LOGIN 636007328 PAC. (WT)

8390 J8GY4: Western Falcon 0314 ARQ tlx for LA & Singapore, selcall 36532 "RAYNS", ex-Spraynes? (AB2) m/V Pazar (kpt Katlav) 2119 ARQ tlx.(HL) DJSY: M/S Anne Catharina 0221 ARQ W/TLX in GG login 26575 DJSY. (RB) SWKM: M/V COMMANDER 0023 ARQ WKG SAB, W/TLX TO SEA JUSTICE S.A., PIRAUES. LOGIN 26550 COMA. 6ZXJ: M/V BRAZILIAN SKY 0300 ARQ W/TLX, WEEKLY MAINT RPT. LOGIN 26423 BRASKY. J8EX5: M/V RACISCE 0522 ARQ W/URGENT TLX RE GENERATOR PROBLEMS. LOGIN 26545 RACISC. (WT)

8390.5 DVHN: M/V Evelyn 0122 ARQ w/tlx via WLO re locations of accommodations ladders on vsl, login 76753 DVHN. PJCH: M/S Nieuw Amsterdam 0613 ARQ w/BBXX wx obs, 33,930 DWT Holland-American Lines cruise ship. (RB)

8391 KDBG: Manoa 0302 ARQ tfc, ex-President Lincoln, selcall 11165. (AB2) WURN: M/V Mahimali 0408 ARQ U.S. flagged container ship, w/"system QRG" tlx. (RB) WLVD: LURLINE 0159 ARQ W/FAXhMAIL VIA KEJ (GLOBE). LOGIN 10987 WLVD (WT)

8391.5 UHCK: Kapitan Glazachev 0305 ARQ crew TG's. (AB2) YLBX: MV AKADEMIK HOHLOVS 0830 ARQ OBS msg vsl bnd Costa Rica. (HOOD) ESXB: TKH Pikhtla 0301 ARQ W/TLX to YLQ. (HOOD)

8392 KDBG: Manoa 0302 ARQ tfc, ex-President Lincoln, selcall 21156. (AB2) WURN: M/V Mahimali 0408 ARQ U.S. flagged container ship, w/"system QRG" tlx. (RB) WLVD: LURLINE 0159 ARQ W/FAXhMAIL VIA KEJ (GLOBE). LOGIN 10987 WLVD (WT)

8392.5 ELNX9: Tromsco Fidelity 0321 ARQ ETA for unid port, selcall 24906. UZSE: Adygeya 0219 ARQ crew TG's. UICJ: Pobyeda 0333 ARQ tfc, selcall 54834. (AB2) UMDL: T/K KUZBASS 1820 ARQ crew TGs to UFN. (HOOD) 9HM33: TK Novomir-2 0148 ARQ flagged-out Russian tanker w/login for msqg from Novorussiysk Radio. URUS: TK Boris Butoma 0208 ARQ Ukrainian 63,180 DWT tanker, w/crew TG's home. P3OF4: TK Ostankino 0233 ARQ tanker, w/NVRTLG+ crew TG's to UGW (NVR/MMF), login 24442 KHKG4: M/V NORTHTON K001 ARQ Ukrainian tanker w/NVRTLG+ tlc to Novorussiysk Radio (NVR/MMF) from master, KM Zhivago. EWDT: TKH Khudozhnik Moor 0306 ARQ w/crew TG's to Novorussiysk Radio. 9HKG4: MKH Mekhanik Khelvskiy 2305 ARQ general cargo vsl, w/login 24265 9HKG4 after sending selcall KXPP (Novorussiysk Radio), app is the Ex-UWLC. UVLQ: TKH Marshal Zhukov 2316 ARQ w/DISP-1 report from master KM Retskalov. (RB)

8392 SZSE: Leni 0222 ARQ tfc for Athens. (AB2) YLBS: T/K POLS ROBSONS 1802 ARQ crew TGs to YLO. (HOOD)

8392.5 ELNX9: Tromsco Fidelity 0321 ARQ ETA for unid port, selcall 24906. UZSE: Adygeya 0219 ARQ crew TG's. UICJ: Pobyeda 0333 ARQ tfc, selcall 54834. (AB2) UMDL: T/K KUZBASS 1820 ARQ crew TGs to UFN. (HOOD) 9HM33: TK Novomir-2 0148 ARQ flagged-out Russian tanker w/login for msqg from Novorussiysk Radio. URUS: TK Boris Butoma 0208 ARQ Ukrainian 63,180 DWT tanker, w/crew TG's home. P3OF4: TK Ostankino 0233 ARQ tanker, w/NVRTLG+ crew TG's to UGW (NVR/MMF), login 24442 KHKG4: M/V NORTHTON K001 ARQ Ukrainian tanker w/NVRTLG+ tlc to Novorussiysk Radio (NVR/MMF) from master, KM Zhivago. EWDT: TKH Khudozhnik Moor 0306 ARQ w/crew TG's to Novorussiysk Radio. 9HKG4: MKH Mekhanik Khelvskiy 2305 ARQ general cargo vsl, w/login 24265 9HKG4 after sending selcall KXPP (Novorussiysk Radio), app is the Ex-UWLC. UVLQ: TKH Marshal Zhukov 2316 ARQ w/DISP-1 report from master KM Retskalov. (RB)

8393 BPAF: You Yi 1349 ARQ tfc. BPRJ: Da Qing 47 1359 ARQ tfc. BPPW: Da Qing 92 1600 ARQ discharge rpt. BPKV: Hua Cheng 1509 ARQ tlx tfc. (AB2)

8394 WMRRU: SS Corpus Christi 2119 ARQ W/login ck'ing msqs, logging 11052 WMRRU. (RB)

8394.5 UQTD: BKRT Nataliya Kovova 0312 RTTY in 50/170 crew TG's to Sevastopol Radio (SVS/MRH). (RB)

8395 BRXN: Yu Chi 1411 ARQ tfc. (AB2) WIBK: SS CHERRY VALLEY 0133 ARQ W/G-MAIL (SVC). LOGIN 10726 WIBK. KPSB: SS CORONADO 0505 ARQ W/QRG RPT, LOGIN 10749 KPSB. (WT)

8396 H2VD: M/V Season 0218 ARQ Cyprus flagged dry goods cargo vsl, w/tlx reporting proceeding to Cienfuegos, login 29263 SONG. ENHY: TKH Timofeevsk 0423 RTTY in 50/170 RYRY/DE to URL, & w/crew TG's home
WUN-v02

(SVS/MRH). P3XS4: M/V Leader 2306 ARQ w/arrival report tlx, login 27520 LEAD. (RB) D6VRD: M/V GENERAL TIRONA 0420 ARQ WKG LGB, ETA NEW WESTMINSTER MAY 4. LOGIN 26420 D6VRD. (WT) P3JW: Infanta 0235 ARQ AMVER/PR, 32.47N/79.56W, selcall 268447. (AB2)

8397 JXUA3: M/V Igloo Espoo 0340 FEC w/"FEC relay, DZJ press report" & sends nx from the Philippines, at start sent sitor login of 94567 JXUA3 app by accident. UIUR: TKH Petr Strelkov 2253 ARQ bulk carrier, w/ARHTLG+ crew TGs to Arkhangelsk Radio, login 66101 UIUR. ULFU: THB Feodor Varaksin 2305 ARQ bulk carrier (10,179 DWT) w/admin TG from master, KM Kalemenev. (RB) UOEV: PB ANTARKTIKA 0426 RTTY 50/170 W/TLG'S. (WT) UZQS: T/H PONOY 1703 ARQ admin from Km Novgorodov to UCE. UIUR: T/H PETR STRELKOV 1739 ARQ TGs and admin from Km Davydov to same. (HOOD)

8397.5 UALV: RTSMS KULIKOVO POLYE 0945 RTTY 170/50 admin from Km Smirnov to UIW (Vessel is ex UZUR). (HOOD) EMNT: TKH Zhitomir 2321 RTTY in 50/170 RYRY/DE to UUI, & w/admin TG s to same, (ODS/RMF) from master KM Pobelevnyj, ap's to indicate hull# as 223140. (RB)

8398.5 SQAO: M/V Jastarnia Bor 2354 ARQ w/crew list tlx, login 43051 SQAO. (RB)

8399.5 UUAY: TKH Vinnitsa 2229 RTTY in 50/170 w/crew TG's. ELQZ7: TR Frost 3 2239 RTTY in 50/170 crew TG's. URHE: TKH Chapaev 2250 RTTY in 50/170 crew TG's to Odessa Radio, is ex-UNFO (ODS/UMF). (RB)

8400.5 UOELZ: TSM Kaluga 0008 RTTY in 50/170 crew TG's to K-grad, TSM is a Trauler Srednyj Morilzhnyj, or medium freezer trawler. UIAA: TSM Obdorsk 0023 RTTY in 50/170 crew TG's to K-grad. (RB)

8401.5 UQTD: Nataliya Kovshova 0315 RTTY 50/170 msg to Sevastopol. (AB2) UQTD: BKRT Nataliya Kovova 0315 RTTY 50/170 msg to Sevastopol Radi. UETF: BMRT Volzhin 2103 RTTY 50/170 w/crew TG's, admin tcf from master, KM Darley. UTH: BKRT Mariya Poldivanova 2121 RTTY in 50/ 170 RYRY/DE to UUI, & w/crew TGs to same, Sevastopol Radio (SVM/MHR). P3FV6: TR Kapitan Churikov 2125 RTTY in 50/170 RYRY/DE to UIW, & w/crew TG's to same, Kaliningrad Radio. (RB)

8402.5 UNNI: RTMS Chernyashev 2206 RTTY in 50/170 admin TG's (KLD/MRH) from master, KM Maryev. (RB)

8403 OUUF2: M/V KNUD LAURITZEN 0440 ARQ IN OPR MODE LOGIN 09604 OUUF2 (WT)

8403.5 UYAC: BMRT Sergey Markarevich 2212 RTTY -h in 50/ 170 RYRY/DE to UIW, & w/crew TG's (KLD/KRH) using hull#/ID MBh0017. (RB)

8404 UBVH: Ivan Kalinin 2330 RTTY 50/170 crew TG's. (AB2) USNM: RTMA Pyatigorsk 2110 RTTY in 50/170 crew TG's to Sevastopol Radio. (RB)

8405.5 SQCS: M/S General Bem 0225 ARQ Polish bulk carrier, w/PP tlx via SPB, login 43230 SQCS. URUV: BAT Meridian-1 0333 RTTY in 50/170 crew TG's to Sevastopol. SQI: M/S Universyte Slnski 0426 ARQ Polish ore carrier, w/PP tlx via SPB, login 43245 SQI. UVCK: TKH Pavel Mitzikevich 2055 RTTY 50/170 w/crew TG's, this is Ex-UQAJ. (RB)

8405 UIIE: TKH Vil'yam (William) Foster 2230 RTTY in 50/170 RYRY/DE to UUI, & w/crew TG's to same, Sevastopol Radio (SVM/MHR). P3FV6: TR Kapitan Churikov 2125 RTTY in 50/170 RYRY/DE to UIW, & w/crew TG's to same, Kaliningrad Radio. (RB)

8405.5 UNNI: RTMS Chernyashev 2206 RTTY in 50/170 admin TG's (KLD/MRH) from master, KM Maryev. (RB)

8406 SQAY: M/V Kuznica 0211 ARQ Polish General Cargo vsl, w/tlx in PP. (RB) N/A: UNID 0100 ARQ W/TLX, 3245S 0514W. LOGIN 43051 SQAY. (WT) (Jastarnia Bor -LOGS) 9HYA4: M/V CHELM 0743 ARQ eta for Gdynia and opr chat in Polish (ex SQAH??) (Hood)

8407 SQDO: M/V Ocean Trader 0020 ARQ Polish part container vsl, w/posn tlx in PP, login 43082 SQDO. UCSA: RTMS Eysk 2200 RTTY in 50/170 crew TG's to Novorossiysk. (RB)

8407.5 UKGJ: RTMS NOVOLADOZHSKY 0610 RTTY 50/170 W/TG'S IN RR. (WT)

8408.5 LYFJ: Druskininkai 2226 RTTY in 50/170 admin TG's from master, KMD Ulbaev. (RB)

8409 ULO3: PB ALEKSEJ KOSONOGOV 0510 RTTY 50/170 W/MSGS, ALL NUMBERS. (WT)

8412.5 UWGP: TR Vilgelm Pik 2208 RTTY (Wilhelm Pieck) in 50/170 w/long list of parts needed from Chief Engineer & master KMD Teterin to Murmansk Radio. (RB)

8413 UWWA: TKH Novozybkov 0510 ARQ w/DISP-1 report to UGC showing vsl in port La Guayra. (RB)

8414 ESJ2: RTMA Sivach 2206 RTTY 50/170 w/crew TG's to Kerch Radio

8417.5 UUI: Odessa Radio 1753 ARQ to UVPS T/H KAPITAN LEV SOLOVYEV. (HOOD)

8418 LSD836: Buenos Aires Radio 0632 FEC Argentina, w/"Lista de traffico" tfc list. (RB)

8420 FFT41: St Lys 0800 FEC wx fcst (EW) FFT41: St Lys r. F 1810 FEC msg to "ariane guiana" (HL) FFT41: SAINT LYS R, F 0000 FEC tfc 1st (SS)

8420.5 9VG: Singapore 0800 ARQ ship to shore traffic. (MS4) CBV: Valparaiso Radio, CHL 0258 ARQ wkg CCLY, Chilean Navy frigate FFG Lynch (F-07) w/5LG msg. (RB)

8425 FFT43: St Lys r. F 1900 ARQ tape (HL)

8429 EAD: 0238 ARQ w/SITOR Marker, CW ID S9 (AM) (Madrid Radio, E -LOGS)

8431 UAT: Moscow r. 2050 ARQ idle (HL)

8432.5 UFN: Novorossiyusk Russia 0537 ARQ Maritime telex tfc (AB3)

8463 CKN: Vancouver Military 2353 RTTY 75/850 'NAWS DE CKN ZKRT' marker. (JEB)

8478.5 FUF: Fort de France Martinique 0300 RTTY 75/850 RY Test tx (AB3) FUF: FN, Fort de France 0910 RTTY 75b CQ (EW)

8482 UUT: BATM KAPITAN LOMAEV 0615 RTTY 50/170 w/TG'S. (WT)

8493.9 MTI: RN Plymouth 0806 RTTY 75d de MTI (EW)

8504 New Orleans 1920 FAX 120/576 strong (DM2) (NMG, USCG hLOGS)

8508.7 RFFX: FF, Versailles, F 0216 ARQhE 72/425 idling. (RB)

8540 USU: Mariupol Radio 1503 RTTY 50/170 RY tape for 448/4265/12697/17141.6 kHz & nav wngs. (HOOD)

8556 USO5: Izmali Radio 1540 RTTY 50/170 currency exchange rates for all "RADIO 2 KM". (HOOD)

8598.4 ZLO: Waiouru NZ 0105 75/850 RTTY Online Crypto - NZ Navy (AB3)

8630 ZSO: RSA 0430 RTTY 75/170 test tape from to 0500. (MS4) (S.African Navy, loc unsure, prob Cape Town -LOGS)

8677.5 UGC: St Petersburg Radio RUS 1539 FEC NX. (AB3)

9001 5YE: Nairobi Met. KEN 2242 RTTY 100/844 RY+WX (HL) 5YE: Nairobi Meteo, KEN 0006 RTTY 100/850 w/AAXX meteo reports. (RB)

9025 5YE: Nairobi Meteo, KEN 0011 FAX 120/576 regional forecast chart, v.good. (RB)

9055.2 DOR***: Bulgarian MFA, Sofia 1821 RTTY 75bd/100 "pmo pmo pmo zry 11164" msg acks to Washington DC (MC)

9090 S Francisco 2337 FAX 120/576 end of tx (DM2)

9090.5 Italian MFA, Rome 0806 ARQ 100bd/170 5LGs "da maeroma" to various Emb/Cons (MC)

9090.7 Italian Diplo, Rome 0637 1200-FSK 1200bps FSK UNID System (MC)

9107 Romanian E, loc??? 0640 ROU-TEC 218.3bd/400 crypto (MC)

9110 NMF: USCG Boston 1914 FAX 120/576 ice chart? (DT2) NMF: USCG Boston, MA 1500 FAX 120/576 w/NOAA chart. (RT2)

9114 HGG31: MTI Budapest 1000 RTTY 50/400 Marker "This is the Hungarian News Agency (MTI) = Budapest = rtt transmission for Europe and North Africa on 9.114 kc/s = & ry's/EE press. (DW)

9126.7 Unid: Italian Diplo? 0642 1200-FSK 1200bps FSK UNID System (MC)

9130 MGJ Faslane? UK. 2030 RTTY 75/850 RN availability message. (freg previously occupied by MTO and GYA - New station on the freq or same station with new callsign ???) (AB3)

9135 MKD: Akrotiri, Cyprus 1130 FDM wkg GXQ. (JD2)

9145 Italian MFA, Rome 0758 ARQ-E 96bd/170 5LGs to many european embassies (MC)

9154 D4B: Sal Cape Verde Is. 0545 RTTY 50/867 RY (AFTN cct to Santa Maria) (AB3) D4B: Sal air 0725 RTTY 50/630 Marker "de D4B D4B D4B" and RY's then aero tcc. FAX [CMA] to Santa Maria Air. (DM2)

9155.5 Unid: French Diplo?,?? 1830 TT2300b 100bd (MC)

9179.5 HBD20/1: Swiss MFA, Berne 1700 ARQ 5LGs ending "hbd20/1 ?" (MC)

9204.9 Unid: Russian PTT,?? 1545 OQPSK 1280bps (MC)

9226.5 GYU: Royal Navy, Gibraltar 0651 VFT 2ch of Piccolo-6, eng. ch "lololo de guy de guy test test" (MC)

9226.9 GYU: Royal Navy, Gibraltar 0651 VFT 2 ch of Piccolo-6, traffic ch idle (MC)

9241.7 Egyptian Embassy, Algiers 1757 ARQ 100bd/170 ATU-80 MSGs & 5FGs "from boustan alger" (MC)
Unid: Russian Diplo,?? 1600 CROWD-36 (MC)

VHC: Royal Australian Navy, Belconnen, AUS 1600 Piccolo (3 channels) wkg GFH Hong Kong. (JD2)

L3A20: Norwegian MFA, Oslo 0625 TWINPLEX 100bd/400 "jeg checker ang 68" then QSY to 9274.9kHz (MC)

MKK: RAF Bampton, UK 1140 FDM wkg MKD. (JD2)

DFJ 36L1, PIAB Bonn 1506 FEC-A 96/381 w/nx in GG. (PT)

YOJ27: ROMPRES Bucharest 0907 RTTY 50/500 Press in EE. (DW)

DFJ 36L1, PIAB Bonn 1506 FEChA 96/381 w/nx in GG. (PT)

YOJ27: ROMPRES Bucharest 0907 RTTY 50/500 Press in EE. (DW)

CFH: Halifax Military, CAN 0242 RTTY 75/850 w/wx, ice reports. (RT2)

GFL23: Bracknell MET 0905 RTTY 75/400 Met traffic. Poor copy. ID string "cq de GFL23/24/25/26". (DW)

RU: Royal Navy, Gibraltar 0741 VFT 2ch of Piccolo-6, crypto tfc (MC)

Royal Australian Navy, Belconnen, AUS 1600 Piccolo (3 channels) wkg GFH Hong Kong. (JD2)

SN299: Polish MFA, Warsaw 1731 POL-ARQ 100bd/230 5LGs (MC)
10918  RFTJ, Dakar 1440 ARQ-E 48/390 Traffic in FF to RFFAP, Paris. (PT)
10971  HBD-20 Berne 1222 ARQ 51g's. (ED)
10972  NSY USAF Sigonella, Sicily 1100 ISB voice on LSB, VHF 6028 on USB, wkg AJO, Incirlik, Turk. (JD2)
10991  RFFVAY, Sarajevo 0900 ARQ-M 200/360 Non-Protege tfc to: RFFUGI, AIR CENTOPS PARIS & RFFBBYM, COMDETAIRFRIFOR, MOSTAR. (PT)
10991.7 RFFVAY***: French Forces, Sarajevo 0827 ARQ-M 200bd/400 5LGs to RFFV (MC)
10996  FDI22: French Air Force, Aix 1603 CW "vvv vvv vvv de fdi22 ar" marker after recent chg of ID. (MC)
10998.7 Unid (Offutt?) 2100 75/850 w/KAWN synoptic wx (8-bit baudot, two-bit 'stop' element). (JD2)
11030  Melbourne Meteo 1250 FAX 120/576 w/weak signal (DW3)
11034.7 Egyptian MFA, Cairo 1638 ARQ 100bd/170 ATUh80 MSGs to Abu Dhabi, Doha, Beirut, Tunis... (MC)
11048  Unid: Russian Navy,??? 1632 36-50 50bd/200 short tfc then 36bd reversals (MC)
11055  H6L***: French Embassy, Algiers 1824 FEC-A 192bd/400 5LGs to RFGW (French MFA Paris) (MC)
11056.7 Egyptian Embassy, Khartoum 1931 ARQ 100bd/170 ATU-80 MSGs "jg Kdbfclj" to MFA Cairo (MC)
11063  L2U2: Sofia Met 1430 RTTY 50/400 5 Fig Wx (GD2) L2U2: Sofia met. BUL 1750 RTTY 50/400 wx (HL)
11080  SANA, Damascus, Syria 1832 RTTY 50/421 Nx in EE. (PS) SANA Damascus 1450 RTTY 50/420 Arabic Press (GD2) SANA Damascus SYR 1745 RTTY 50/425 nx e (HL)
11084  RFGW, Paris 1430 FEC-A 192/377 Msg in FF from Defence Attache, Prague, to same in Warsaw. (PT)
1109  K4X, Tunis 1428 FEC-A 192/377 French embassy in Tunisia w/5-LG traffic to RFGW. Paris. (PT)
11106.5 MFA BRUSSELS 0640 RTTY 100/170 11106.540. Chan in 6028 type vft. Offline encrypted (5ltr grps)double spaced until "voil termine kkkk" and other signoff chat. (DW)
11106.8 MFA BRUSSELS 0624 RTTY 100/170 11106.88. Channel in 6028 type vft. Tfc in Flemish? (looks like Dutch). (DW)
11109.5 Saudi National Guard, ARS 1609 ARQ-GUARD 125bd/120 ACF=48 or 96 (MC)
11118  APS: USAF Offutt AFB, Elk Horn, Ne 1840 RTTY 75/850 w/meteo. (RT2)
11122  USAF Elk Horn 1536 FAX 120/576 strong with shallow fading (DM2)
11123  Polish E, Damascus 0632 POL-ARQ 100bd/250 Claris MSGs to Warsaw (MC)
11125  HZN: Jeddah mete. ARS 1314 RTTY 100/400 wx (HL) HZN: Jeddah Meteo, ARS 1825 RTTY 100/946 w/meteo tfc. (RT2)
11133  BZG41 Xinhua Beijing 1445 RTTY 50/400 FF Press (GD2) BZG: Xinhua Beijing 1443 RTTY 50bd/400 qra de bzg41... (MC)
11146.5 Unid: French Diplo???? 1731 TT2300b 100bd tfc (MC)
11148  Unid: 0747 MERLIN 240bd 8 tone MERLIN, in IRS mode (MC)
11155.5 GYU: Royal Navy, Gibraltar 1634 VFT 2ch of Piccolo-6, eng. ch "de gyu the thunder state is two (2)" (MC)
11159.9 GYU: Royal Navy, Gibraltar 1635 VFT 2ch of Piccolo-6, crypto tfc (MC)
11172.6 L2U8: Varona? 1248 RTTY 75 Ry ZNN ZOK (EW)
11141.8 Unid: 0658 TT2300b 100bd idle (MC)
11141.7 Chinese Diplo, loc??? 1604 444 (MC)
11143  HMFZ6: KCNA Pyongyang, N. Korea 1215 RTTY 50/371 in unid lang. (PT)
11142.7 IMB3 Rome Met 1250 RTTY 50/850 5 Fig wx (GD2)
11141.7 Unid Italian Diplo/Mil,??? 0732 1200-FSK 1200bps UNID System, tfc (MC)
11143  IMB: Rome Meteo, Italy 1105 RTTY 50/850 synoptic wx (8-bit baudot two-bit 'stop' element). (JD2)
11145.5 Unid: 1213 PSK 2400bps UNID System (MC)
11147  HMF: KCNA Pyongyang 0015 FAX 120 text in Korean (EW)
11148.5 AOK: USN Rota, Spain 1145 FAX 120/576 various European charts. (JD2)
11152  UNID: 1339 ARQ-E 96/400 idle (SS)
11153.4 Unid: 0729 VFT 7ch of 75bd/200 FSK, 6028 type VFT with pilot at lower edge (MC)
11159.3 Unid, Brasilia 1150 ARQ-E 96/170 GG. operator msg., GG. Telex, GG.

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11551.7 MFK: Royal Air Force, London 0701 VFT 16ch of 50bd/170 Baudot, "iriry.... test de mkk" DCN (MC)

11622 USAF Roosevelt Roads 1525 FAX 120/576 strong ... but what sort of chart not clear = I'm a FAX novice! (DM2) (this should be a USN xmitter at Roosevelt Roads, several USN callsigns reported -LOGS)

11638 DDK8: Hamburg MET 0856 RTTY 50/400 Wx forecast in German. (DW)

11680 BZP51: XINHUA Beijing 1421 RTTY 75/400 Start up sequence. RY's "gra de BZP51/BZR62 Xinhua Beijing". (DW)

12075.5 Unid: 1230 Piccolo 3 channels (JD2)

12106 Unid: SOUD sta 1820 75/500 "11177" code groups (JD2)

12110 YOM21: ROMPRES Bucharest 1111 RTTY 50/500 English press. (DW)

12125 SN2290: Polish MFA, Warsaw 1547 POLhARQ 100bd/250 Press review in Polish (MC)

12130 Unid: 1418 Piccolo 2 channels (JD2)

12130.5 MFK: Royal Air Force, London 1600 VFT 2ch of Piccolo-6, eng ch "muh de mkk zub how me? kk" (MC)

12130.9 MFK: Royal Air Force, London 1615 VFT 2ch of Piccolo-6, crypto tfc (MC)

12138.2 DOR***: Bulgarian MFA, Sofia 0701 RTTY 75bd/500 "gub pse zal 10246" call-up for Emb. Damascus (MC)

12152 GXQ: RN Forest Moor, UK 1120 FDM wkg GYU. (JD2)

12175 HMF42: KCNA Pyongyang, N.KORE 2143 RTTY 50/425 w/EE nx//11476. (RT2)

12186 JANA Tripoli LB 1921 RTTY 50/400 nx (HL)

12193 Unid SOUD sta 1418 75/500 "11177" code groups (JD2)

12196 CFM: 1445 RTTY 75/500 SOUD station sending 51gs (11177 00125 00000 18342 00521) (SS) (Ary sez CFM isn't the callsign but rather was probably transmitted at the end of the message & means "confirm". Link C 125 is a link between SOUD stations MIG & WFO. -LOGS)

12205 NBA: USN Balboa 1923 RTTY 75/820 encr. msg. (HL)

12212.5 YZI234: TANJUG Belgrade 0923 RTTY 50/400 Press in English. (DW)

12221 UNID: 1148 ARQhE 96/170 idle (SS)

12228.4 BZR62: XINHUA Beijing 1423 RTTY 75/400 Start up sequence. RY's & "gra de BZP51/BZR62 Xinhua Beijing" then EE press. (DW)

12236 Unid: UN,?? 0717 PACTOR-U 200bd/200 operator chatter in EE (MC)

12250 Italian MFA, Rome 1428 ARQ-E 96bd/170 5LGs "da maeroma" "tx ambvars" (E. Warsaw) (MC)

12251.7 Chinese Diplo, loc??? 0733 4+4 (MC)

12305 Unid: 1230 Piccolo 2 channels (JD2)

12308 Unid: German Diplo? ??? 1523 MERLIN 228.7bd/170 tfc (MC)


12479 N/A: TKH Sokofl Treyd 1741 ARQ w/PRTRCHSM+ tfc, also DISP-1 report using "PTR" as homeport. No info on vs!. UFSS: TKH Artem 1745 ARQ w/login for msg ck, login 55951 UFSS. AQPH: M/V Delta Star 1820 ARQ Pakistani bulk carrier, w/AMVER/PR. (RB)

12479.5 VVKKV: M/V MURSHIDABAD 0615 ARQ OPR MODE, ARGUING CHARGES. LOGIN 23653 MRS (WT)

12480 LAII2: M/V Adriatic 0009 ARQ w/export report tlx for Port Manatee, bound Nola, login 26895 LAII2, chg from Dyvi Adriatic? AQPM: M/V Delta Peace 1621 ARQ Pakistani grain bulk carrier, w/tlx re est cargo dischq for 48 hours, login 29519 DPCE. LXDL: M/V Crystal Pilgrim 1627 ARQ w/tlx re crew wages, login 36219 LXDL. (RB) SXJR: EVANGELOS L 2253 ARQ W/TLX, LOGIN 29286 EVANGE. (WT)

12481 URT8: SS Gepard 2052 ARQ (motor tug) w/one tlx via Odessa Rdo after sending selcall KCPX. (RB)

12482 LXDE: M/V Deloris 1653 ARQ w/List of departing crew members via WLO.

12482.5 ESS7: FRIO ARCTIC 0835 ARQ rpt on work needed to radio gear. login 42654 FRIO. (HOOD)
12483 SYTK: Manzanillo 0219 ARQ t/c to vsl owner Costamare Shipping, Piraeus, selcall 17056. (AB2) C6HV3: M/V Toscana 1538 ARQ w/tlx to Bluebird Maritime, re bound Panama, login 61698 TOSCA. (RB) WSNB: SS KENAI 1825 ARQ w/tlx RE: DELAY DUE HIGH SEAS. C6HV3: M/V TOSCANA 2245 ARQ w/tlx, 4338 NM to BALBOA. (WT)

12484 P3SR6: M/V Saint Nectarious 1648 ARQ w/ETA St Eustis, login 05257 ST NEC. 3ELQ9: M/V Columbine 1655 ARQ w/tlx to Cape Town w/posn/status. ENUK: TKH Akademik Sechenov 1801 ARQ Ukrainian bulk oil/ore carrier w/tlx to Novoship, login 54646 ENUK. 3EUW8: M/V Tramarco Trader 2232 ARQ w/tlx for ETA Cartagena, login 42763 3EUW8. (RB)

12485.5 3FCY3: MSC Federica 1612 ARQ w/tlx re status to MSC, login 42014 3FCY3. (RB)

12486 WHML: Coastal Corps Christi 0047 ARQ W/TLX, LOGIN 10822 WHML. WFDW: KEYSTONE RHODE ISLAND 0037 ARQ TLX RE: DELAY DUE HIGH SEAS. (RB)

12486.5 KNLO: SS MANUKAI 1620 ARQ W/AMVER/PR, LOGIN 10914 KNLO. (WT)

12487 WJLP: SS Solar 0102 ARQ wkg unknown shore stn. (JEB) UETV: M/V Socofi Trader 0012 ARQ for equipment needed at St Croix, login 55954 UETV. DEIP: M/V Hongkong Senator 1553 ARQ W/AMVER/PR. UTUN: TKH Akademik Iosif Orbli 1927 ARQ w/posn tlx, 2102N/7516W, ETA, login 55207 UTUN. UIIE: TKH Vil'yan (William) Foster 2340 ARQ w/tlx for ETA Havana. (RB)

12490 3FCW5: M/V Pacific Mayor 1817 ARQ w/AMVER/PR via NMN. VRUL7: M/V Getta 2205 ARQ w/AMVER/PR, after sending selcall XVSY, NMN. (RB)

12490.5 C6KR7: M/V WINTER MOON 0350 ARQ W/TLX, LOGIN 11227 C6KR7. (WT)

12491.5 PPOB: M/V FROTAMANAUS 0240 ARQ RX ONLY, LOGIN 58422 PPOB. (WT)

12492 BSJC: M/V BEIHAI 102 0742 ARQ eta for Singapore. login 20087 BSJC. (HOOD)

12492.5 CSOC: M/V CERCAL 1005 ARQ admin via CUL Lisbon. login 51825 CSOC (ex "S. MAMEDE??". (HOOD)

12493 A8UX: M/V Marika Stravelakis 0018 ARQ bulker, w/ tlx for ETA. UZFY: TKH Kapitan Zamyatin 2013 ARQ Ukrainian bulk carrier w/tlx for ETA, login 66102 UZFY. C6L65: M/V Capricorn 2220 ARQ w/tlx to chartworld Piraeus. (RB) WLBV: M/V RICHARD G. MATTHIESEN 2249 ARQ WKG WLO, w/DIRTLX. LOGIN 11645 WLBV. J8FK6: M/V Hongkong Senator 1553 ARQ WKG WLO, w/TLXX WPA CANAL CLRNCL. LOGIN 56912 J8FK6. (WT)

12494 UUJU: TKH Professor Rybaltovskiy 2042 ARQ w/selcall KYYX (Novorossiisk Rdo) & login, 55240 UUJU for msg. PJRJ: M/V Dock Express 2228 ARQ w/ETA's Punta Arenas, Panama, & LA. (RB)

12494.5 SQGT: M/V Huta Zygmont 1637 ARQ w/PP tlx after sending selcall QSKX, SPE, Szczecin Radio, login 43264 SQGT. SQPU: M/V Podlasie 1930 ARQ Polish refrigerated fish carrier, w/PP tlx via SPE, login 43315 SQPU. SQRL: M/V Kopalinia Borynia 2045 ARQ w/tlx via Szczecin Radio in PP. (RB)

12495 UIJC: Pobeda 1814 ARQ w/login for msg ck, login 54834 UIJC. (RB)

12495.5 6ZOW: M/V Allalinhorn 2002 ARQ Liberian carrier, w/noon report tlx via WCC, posn 1519N/07933W, ETA Cristobal (RB)

12496 LACU2: M/V Viva 2248 ARQ w/tlx for port entry info for Port of Quebec, login 34282 LACU2. (RB)

12496.5 C6TS: M/V Are 0142 ARQ w/tlx re needs computer disks for Ami-Pro for Windows, login 70082 ARG8. SUCD: M/V Alwadi Algadeed 1844 ARQ Egyptian bulk carrier, w/tlx re cargo of 27007.99 MT of shredded scrap, ETA Yantai. login 78001 SUCD. ZDAR2: M/V Barbara E. 1849 ARQ Gibraltar flagged cargo vs1, w/ballast, draft & bunkers info, login 50381 ZDAR2. (RB) 3EI9K: M/V ATLANTIC STAR 2240 ARQ WKG WLO, W/TLX. LOGIN 42715 ASTART. N/A: UNID 0210 ARQ w/TWLX, RE OFFLOADING. LOGIN 24435 REMA. (WT)

12497 SQGX: M/V Otol 0115 ARQ cgo 1st to "Szina Portnova (JEB) OULK2: M/V Ivar Lauritzen 2035 ARQ w/AMVER t/c to "amver San Francisco", posn 1854N/10558W, bound Los Angeles. DZBI: M/V East Fortune 2332 ARQ w/AMVER/PR for Los Angeles. (RB) WSNB: SS KENAI 1735 ARQ W/ETL, ET SEGUNDO. H9HK: M/V FRIO GALICIA 0358 ARQ w/TWLX TO, ATHENS. LOGIN 42435 FRIGA. VRUW2: M/V PAIUTE 0023 ARQ w/AMVER, LOGIN 50491 PAIU. (WT)

12499 UFSS: T/H ARTEM 0631 ARQ eta for Balboa. login 55951 UFSS. SVQJ: M/T Pagina 431
APENEMO 1136 ARQ eta for Augusta with Russian crude oil. (HOOD)

12501  SYKV: S/T Karoline 2307 ARQ w/tlx for voyage 04577, ETA "the Loop", login 16949 KAROLINE. (RB)

12502  3EAW7: PACIFIC RIDER 0131 ARQ W/T LX ARQ, BALBOA, VIA WLO. LOGIN 42593 3EAW7. (WT)

12503  3EAW7: Inago 1601 ARQ w/AMVER/PR, login 51860 CRYS. (RB) ELEV8: LIRCAY 2230 ARQ RX ONLY, LOGIN 24887 ELEV. (WT)

12505  P3XW4: M/V Fedra 1451 ARQ w/ETA to Southwest Passage, login 27537 P3XW4. (RB)

12506  WSLH: SS MAUI 1846 ARQ ETA SFO. WFDW: KEYSTONE RHODE ISLAND 1850 ARQ w/QRG RPT. WEZM: SS EWA 0346 ARQ WKG KEJ, W/AMVER/PR. SAN PEDRO TO SEATTLE, (WT)

12508  3EX5: CRYSC 2235 ARQ w/TX, LOGIN 26545 RACIS. (WT)

12509  UZLR: T/H ZAKARPAKTE 1444 ARQ eta Piraeus to USU. (HOOD) UWTB: TKH Akademik Guber 1823 ARQ w/DISP-1 report from master KM Golub to Mariupol Radio. UYWN: TH Akademik Artsimovich 2009 ARQ w/BCMRCT tcf after sending selcall KCPV, Mariupol Radio. (RB)

12511  UQAZ: RTMS Atoll 1659 RTTY in 50/170 RYRY/DE to UGW, & w/crew TG's to Novorossiysk Radio. (NVR/MRH), note now using "RTMS" vs "BMRT" prefix. (RB)

12513  3FRG5: M/V Vernal Star 1805 ARQ w/tlx to Oceanroutes for posn, 4030N/06047W, at 075/13.13kts. LXDC: M/V Crystal Primadonna 1946 ARQ w/company formatted tlx. UYTB: RTMKS Rybakh1 2132 RTTY in 50/170 crew TG's to Khgrad. PJVW: INFANTA 1700 ARQ W/AMVER/PR (WT)

12515  UQAZ: TKH Kislovodsk 1918 RTTY 50/170, RYRY to UGC, St Petersburg Radio, & into crew TG's. (RB)
WUNhv02

12564.5 UGQX: SRTM 1500 LET KIEVU 1305 RTTY 50/170 crew TGs to UIW. (HOOD)

UNMJ: BATM Dzharapidze 1657 RTTY in 50/170 crew TG's. UALU: NIS Atlantida 1809 RTTY 50/170 Russian research ship (KLD/KRH) w/RYRY/DE to UIW, & w/admin TG's from master KM Gniliomedov. LYLN: RTMKSK.

Daukantas 1818 RTTY 50/170, w/RYRY/DE to LYL, & into crew TG's, seemed to use prefix ZSTSK, is ex-RTMKSK Silmonas Daukantas. J8KQ2: DZTS Volga 7 1825 RTTY 50/170, w/RYRY/DE to LYL, & into crew TG's.

UALU: SRTM Maltsevo 1838 RTTY in 50/170 crew TG's using hull#/ID SRTMh8102 (KLD/KRH) to Khgrad. UAWH: Kapitan Bubnov 1948 RTTY 50/170, w/RYRY/DE to UIW, & w/crew TG's using hull#/ID AA-1834 (ARR/KRH), also sends admin TG for BMRT Khibiny (ARR/KRH) using hull#/ID AB-0112 from master, KM Belousov. URTK: BMRT Vysokovsk 2042 RTTY in 50/170 crew TG's to Murmansk using hull#/ID MB-2418 (MRM/KRH). (RB)

12565 UFZX: TR Novorossiyiskii Rabochin 1918 RTTY in 50/170 RYRY/DE to UGW & admin TG's from master KM Aliev. (RB)

UAUO: NIS Akademik Sergey Vavilov 2048 RTTY 50/170 Russian research vsl w/DISPh1 reports from master, KM Kalanikov, is ExhUKOS. (RB)

12566 YLFB: RTMS Aitsinayams 1540 RTTY 50/170, w/crew TG's using hull#/ID LMh7552, also sends same for YLFS, BATM Kapitan Jedemskiy & YLEL, BMRT Gunar Akis, all Latvian trawlers. YLFQ: Unid LPh8096 1706 RTTY 50/170, w/RYRY/DE & w/admin msg to Riga from master KM Makarevskiy using hull#/ID LA-8096, name of vsl is unk. (RB)

12566.5 UWFI: T/H PORT SAID 1456 RTTY 50/170 admin from Km Popel to UUI. (HOOD)

UVDD: TKH Kapitan Dzhurshecich 1800 RTTY 50/170, 11278 DWT Ukrainian general cargo vsl (ODS/UMF) w/crew TG's, vsl bound Las Palmas. UWCC: TKH Sergey Lazo 1817 RTTY 50/170, Ukrainian general cargo vsl w/RYRY/DE to UIW, & into admin TG from master KM Podlesovsky. UVMV: TH Petr Aleyunikov 1833 RTTY 50/170 Ukrainian general cargo ship w/crew TG's to Odessa Radio. UVMH: TKH Mekhanik Bardetskiy 2022 RTTY 50/170 RYRY/DE to UIW w/"TEST" in EE in hailing marker! Into crew TG's to Odessa (ODS/UMF). (RB)

12567 UCBW: RTMS Nikifor Pavlov 1719 RTTY in 50/170 admin TG's to Novorossiyisk Radio from master KM Povdyrev. (NVR/URKH) UGAA: Sabaptou 1728 RTTY in 50/170 RYRY/DE to UAT, Moscow Radio, no joy. (RB)

12567.5 USVB: TR Rizhskiy Zaliv 1947 RTTY in 50/170 RYRY/DE to URL, & w/C51 report to same from master KM Shcherbina. (RB)

12568 UBXS: ALEKSANDR KOSAREV (MA-1806) 0942 RTTY 50/170, admin report to same from master KM Aleynikov. (RB)

12568.5 LYDN: BMRT Demyan Ryabuko 1928 RTTY in 50/170 admin tfc to Rybradio Klaipeda. (RB)

12569 YLFS: BATM Kapitan Jedemskiy 2057 RTTY 50/170 Russian research vsl with hull#/ID LZ-6119, also sends admin tfc for YLEK, BMRT Karlis Bude as BMRT 490 from master KM Scherbina. (RB)

12571 UQUN: T/H MEGHAN KOMIN 0803 ARQ to UCE, login 54499 UQUN. (HOOD)

12572 ULSU: BMRT Volgobalt 1802 RTTY 50/170 (MRM/KRH) w/msgs to Murmansk Tralflot. (JEB) UPVU: Tolko (Tokyo) Bereg 1835 RTTY in 50/170 crew TG's using hull#/ID MA-0058. UPRR: BMRT Petr Sbignev 1911 RTTY in 50/170 RYRY/DE to UDk2, Murmansk Radio, & w/TG to Murmansk "UDF" Control from master KM Nikolayenko using hull#/ID MA-0055, then into crew TG's. N/A: K-8088 1944 RTTY in 50/170 admin tfc to Murmansk Sevryba, may have used hull#/ID MA-0055. UEXD: TSM Olayne 2000 RTTY stern trawler w/crew TG's home using hull#/ID MI-8339. (RB)

12573 LYNB: BMRT Demyan Ryabuko 1928 RTTY in 50/170 admin tfc to Rybradio Klaipeda. (RB)

12575 UELX: BATM Volopas 1713 RTTY 50/170 Russian Large Long Range/Endurance trawler, w/Atlantic wx report from master, KM Morozov, this is also the ex-LYGR. UAMB: BMRT Kokand 1721 RTTY in 50/170 admin TG's from master, KM Stalikov, apparently the ex-LYGR. UIIK: TKH Kapitan Kirichenko 1815 RTTY in 50/170 crew TG's to Vladivostok Radio. (RB)

12573 5NYJ: TR Zodiac Star 1846 RTTY 50/170 RYRY & w/long admin msg from master, KM Tsinovich (flagged-out Russian vsl). UNRK: BMRT Demyansk 2047 RTTY 50/170 RYRY/DE to UDk-2 & into crew TG's to same, Murmansk Radio, using hull#/ID MB-2420 (MRM/KRH). UGXB: TSM Orlovka 2105 RTTY
50/170 w/conclusion of crew TG's, normally uses hull#/ID BI-0641. (RB)

12573.5  LYEW: RTMs Nikolay Afanasev 1657 RTTY in 50/170 admin TG's. (RB)
12574  UCBD: BMRT Kronshadt 1531 RTTY 50/170 (MRM/KRH) RYRY/DE to UD2K2, & into TG's for UFKG, Orlan, using hull#/ID MI-1665, to Murmansk Sevryba from master KM Pisarenko. UFKA: BATM Kapitan Maklakov 1633 RTTY 50/170, Russian long range/endurance Large Trawler, w/TG's to Murmansk Tralflot via UD2K2 using hull#/ID MA-0058 from KMD Getdan. (RB) UNCH: BMRT GAZGAN 0723 RTTY 50/170 admin from Km Gushchin to UGW. (HOOD)

12575  UHLW: BMRT Leonid Novospasskiy 1838 RTTY in 50/170, Russian factory trawler w/crew TG's using hull#/ID MA-0015. (RB)
12576  ENMZ TH KAPITAN DUBLITSKIY 0950 RTTY 170/50 admin from Km Karneev and msg in EE to OCEANROUTES SFO via UAT. (HOOD)
12579  NIK: USCG Boston 1222 FEC International Ice Patrol bulletin. (DW)
12580  ZLA: 0027 ARQ w/CW ID. (EW) (Awanui Radio, New Zealand -LOGS) 12585.5 VRX: Victoria Hbr 0029 ARQ w/CW ID. (EW)
12590  NVG: Singapore 0030 ARQ w/CW ID. (EW)
12591  VRX: Victoria Hbr 0033 ARQ w/CW ID. (EW)
12592  UHK: Batumi r. GEO 0942 ARQ w/CW ID. (HL)
12601  ZSC63: Capetown radio 1732 FEC Coast wx forecast followed by high seas wx bulletin for RSA offshore ocean areas. (DW)
12603.5  ZSC63: Athens radio 1311 FEC Greek ship press. Poor sync. (DW)
12607.5  WNU: Slidell Radio, La 2056 FEC w/tfc list. (RT2)
12627.5  USI: Mariupol Radio 1045 ARQ to URMH TH KOMSOMOLOETS ADZHARI for Km Bereza abt discharge at Tarragona (vsl is ex UHMV). (HOOD)
12660.5  UGW: Novorossiysk Radio 1505 RTTY 170/50 crew TGs to UBHL: BATM GALAKTION TABIDZE. (HOOD)
12739  UAT: Moscow Radio,RUS 1332 RTTY 50bd Nx + tfc to th Mihail Strelkalowiskij (AB)
12795  UCE: Arkhangelsk Radio,RUS 1345 RTTY 50bd Tfc (AB)
13030.6  FUF: FN FORT DE FRANCE 2347 RTTY 75 RY FUF FUF (EW)
13314.6  Unid: N.KoreanDiplo,??? 0626 BPSK 1200bps UNID System (MC)
13351.7  Egyptian MFA, Cairo 1626 ARQ ATU-80 MSGs to various embassies (MC)
13378.7  Unid: Italian Diplo,??? 1220 1200-FSK 1200bps UNID System (MC)
13378.7  Egyptian MFA, Cairo 1437 ARQ ATU-80 MSGs to Algiers "kdqikef" (MC)
13381.5  IPg20: Italian MFA, Rome 0713 ARQ SLGs to San’a (“amsbana”) (MC)
13388.5  Italian MFA, Rome 0727 ARQ SLGs to Middle Eastern Emb’s “da maeroma” (MC)
13397  DFZG**: Serbian MFA, Belgrade 0645 RTTY 75bd/400 crypto after "xjxjxjxjxjxj" (MC)
13399  DFZG: MFA Belgrade 1411 RTTY 75/400 Diplo msg bdcast. On line encrypted. (Dw)
13401.7  Egyptian MFA, Cairo 1451 ARQ ATU-80 MSGs to various European embassies (MC)
13440  TZI235: TANJUG Belgrade 0921 RTTY 50/400 Press in English. (Dw)
13452  Unid: 2050 RTTY 75/180 Encrypted Tx but "KFS40 NAWS" appeared in middle of msg. Fluke ??? (RC)
13473  GYU: Royal Navy, Gibraltar 1125 FDM wkg GXQ. (JD2)
13506.7  Egyptian MFA, Tripoli 1315 ARQ SLGs "from boustain tripoli" (MC)
13543  Unid 1256 ROU-FC 164.5/400 no traffic. (ED)
13573  Unid: 1317 ARQ-E 72/113.5 lgs ended w/"bt gr 483 #5012" (RC)
13580.5  MKK London 1913 PICCOLO Mk-6 QSY to “F16” (ED)
13715  Unid: 1628 RTTY 75/850 NDP (JD2)
13835  Unid (Offutt??) 2100 75/850 w/KAWN metars for U.S. airfields (8-bit baudot, two-bit 'stop' element), seems to have settled here after abandoning 12184 & 13530, //7784. (JD2)
13840.7  GXQ: Royal Navy, London 0634 VFT 5ch of 50bd/170 Baudot, "ryryi... test de gxq" DCN VFT (MC)
13874  Unid: Romanian,?? 1332 ROU-FC 164.4bd/400 crypto (MC)
13875.4  HGX–21 Budapest 1250 DUP-ARQ 125/170 (ED)
13880  RAU**: Soud Station,?? 0725 RTTY 75bd/500 "rau 2/1402" ID "11177 00070 00000 02015 06659" (MC)
13882.5  Hamburg 1409 FAX 120/576 strong idle (DM2)
13928.7  DOR**: Bulgarian MFA, Sofia 0820 RTTY 75bd/500 "ryryry... gd zoh 3 dumi 5225" and tfc to Prague (MC)

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13933.3 DOR***: Bulgarian MFA, Sofia 0845 RTTY 150bd/500 NX in Bulgarian (MC)

13951 HBD20/6: Swiss MFA, Berne 1445 ARQ 5LGS to HBD88 "tripolamo" (Embassy Tripoli) (MC)

13951 HBD88: Swiss Embassy, Tripoli 1446 ARQ 5LGS from HBD20/6 (MFA Berne) (MC)

13956.5 Tunisian MFA, Tunis 1026 FEC 5LGS, calls JDX, RAC, L5Y, 3YQ (MC)

13957 SNN-239 Warsaw 1541 POL-ARQ 100/200 5 CRC, brief pol. msg. (ED)

13977 UNID: 1602 ARQ 5LGS (SS)

13995.6 STK: Khartoum air SDN 1850 RTTY 50/400 tape"hsssfyfx" (HL) STK: AFTN Khartoum, Sudan 1150 RTTY 50/400 "QJH HSSSFYFX" & RY's. (JD2)

13997.5 Unid: 1628 Piccolo 2 channels (JD2)

14321 Unid illegal op from Somalia 1053 ARQ They transmit there about illegally since about 5 years encrypted. 5 years ago he sent me in amtor: QTH: Mogadishu, Call: T5BLU. Later on he was heard in Amtor w/clear text in swedish language. He also transmits on 14.332, 14.312 if or condx are good 21.432 in the morning or in the noon. So we need urgent reports from other countries to localize the intruder in Europe. The fellow from Somalia calls the other operator w/select MLOP. If you hear them pse give me a report with the exact QTE (degrees from Your QTH). Relayed from Wolf, DK2OM in Germany. (FM)

14340 BAF47: Beijing met. 1658 RTTY 50/850 wx (HL)

14362 UNID: 1634 RTTY 100/488 "55,55.." (HL)

14364 Unid: SOUD Station,??? 1341 RTTY 75bd/500 5LGs on link id "20087" (MC)

14367 BZP54: Xinhua Beijing CHN 1308 RTTY 75/400 English press. (DW)

14375 DOR***: Bulgarian MFA, Sofia 1344 RTTY 75bd/500 NX in Bulgarian (MC)

14380 UNID: 1305 ARQ-E 300bd encr. msg. (HL)

14391.5 Unid: 1256 PSK 2400bps UNID System (MC)

14401.6 4UZ: UNHCR, Geneva 1335 PACTOR-U 200bd/200 NX in EE abt Turkish & Iranian problems (MC)

14406.2 LN2A: Norwegian PTT, Sveio 1504 CW marker plus signals including 100bd/850 reversals (MC)

14411 Unid: RUS 0703 36-50 50bd/200 tfc (MC)

14413.5 Unid: 1429 VFT 6ch of 100bd/170 Baudot, MSGs in FF (MC)

14419.5 CLP: MFA Havana 0748 RTTY 75 MINREX CLP then 5 LTR GRPS (EW)

14438.3 FJY2: DTRE Port Aux Francais, Ker 0737 ARQ-E3 96 idle (EW)

14455 VHC: Royal Australian Navy, Belconnen, AUS 1300 Piccolo (3 channels) wkg GFH Hong Kong. (JD2)

14467 KRN: Loc. Unk 1735 RTTY 75/525 1386 5LG's. (PS) (Brotherhood station, normally hrd 14465.3 -LOGS)

14476.1 Belgian MFA, Brussels 1105 VFT 6ch of 100bd/170 Baudot, MSGs in FF (MC)

14478 4UZ: UNHCR, Geneva 0758 PACTOR-U 200bd/200 MSGs in EE to Somalia, Ethiopia & Pakistan (MC)

14487.2 FDX France 1251 ARQ-E3 200/400 FF press from RFFAB, C.I. ="FDX" (ED)

14497.7 CSY: Santa Maria Air, AZR 1820 RTTY 50/850 w/weak tfc. (RT2)

14534.5 IPG20: Italian MFA, Rome 1344 ARQ 5LGS & MSGs to various european embassies (MC)

14573 JANA Tripoli 1611 RTTY 50/400 YR's and marker in Arabic (ATU70). Suddenly off air short period. Then Arabic press. (DW)

14573 JANA Tripoli 1611 RTTY 50/400 YR's and marker in Arabic (ATU70). Suddenly off air short period. Then Arabic press. (DW)

14582 Unid: 1825 Piccolo 2 channels (JD2)

14585 RPPTC: FF N'djamena TCD 1249 ARQ M2/200 idle (HL)

14610.5 Unid: French Diplo?,??? 1551 TT2300b 100bd idle (MC)

14626.7 "RFLI": FF Fort de France, MRT 2126 ARQ-E3 192b [LIJ] wkg "RFTJ". (JD2) RFLI: French Forces, Fort de France 1842 ARQ-E3 192/442 idling. (RT2)

14643.7 4UZ: UNO, Geneva 1236 TWINPLEX 100bd/170 United Nations NX review in EE (MC)

14657.7 Egyptian E, Khartoum 1620 ARQ 5LGS & ATU-80 MSGs to MFA Cairo (MC)

14699 TIX70: INA Baghdad 0646 RTTY 50/400 Arabic press. (DW)

14732 Warsaw 1502 POL-ARQ 100/170 5 CRC, msg. to Lagos. (ED)

14760 CNM61: MAP Rabat 1019 RTTY 50/400 French press. (DW)

14798.7 Unid 1443 ARQ-M2 200/300 idle, weak (Logged as RFFVAE by (EW) in past WUNS) (ED)

14801 RFVF: FF Le port REU 1802 ARQ-E3 idle (HL)

14821.6 Unid: Korean Diplo?,??? 1410 FSK 250bd/170 UNID System, short bursts
of data ACF=19/38/57/76 (MC)
14836 Unid 0900 RTTY 75/500 Polish Text? (GD2)
14890 Russian Man Number Station, RUS 0800 USB Msg for 615. Msg 89513, 82403 (AB)
14901.7 Egyptian MFA, Cairo 0738 ARQ ATU-80 to "fljk" (Rome) (MC)
14904.2 Belgian Embassy, Beirut 0821 VFT 6ch of 100bd/200 Baudot (Type 6028), 5LGs to Brussels (MC)
14912.5 SPW: Warsaw Radio, Warsaw 1413 FEC Marine traffic lists "tfc-lista" (MC) PAP Warsaw, POL 1810 FEC w/tfc in Polish. (RT2)
14926.7 RFTJ: FF Dakar SEN 1245 ARQ 192Bd Idle (HL) RFTJ: French Forces, Dakar, SEN 1806 ARQ-E3 192/442 w/contole de voie. (RT2)
14950 GYU: Royal Navy, Gibraltar 1440 Piccolo (2 channels) test tape "DE GYU" only. (GD2)
14957.9 FF NOUMEA RADIO 0305 ARQhM2 128.5 FF news items and wx rpts (EW)
14963 TAD: Turkish MFA, Ankara 0705 FEC-A 144bd/850 MSGs in TT to many embassies (MC)
14966 Egyptian Embassy Moscow 1405 FEC-A 100/170 (GD2)
15043 Cairo, Egypt 1725 ARQ Egyptian MFA w/traffic for Ottawa. (PS)
15462 JANA Tripoli 1105 FEChA 144bd/850 MSGs in TT to many embassies (MC)
15747 Unid: 1728 Piccolo 2 channels (JD2)
15770 Unid: DW RELAY 0810 RTTY 75 RY (EW)
15781 NHR or NAU?: USN, Roosevelt Roads, PR 1908 FAX 120/576 w/USAF wefax, good. (RB)
15861 RFFX: MOD Paris F 1548 ARQ/72 encr. msg (HL)
15920.4 CFH: Halifax Military, CAN 2145 RTTY 75/850 w/NAWS marker. (RT2) CFH: Halifax Military, NS, CAN 1906 RTTY 75/850 NAWS (Notice to Allied Warships) marker. (RB)
15946.5 EAE220: Spanish MFA, Madrid 0808 TWINPLEX 100bd/400 crypto, tfc ends "jjjjj: (Channel 21) (MC)
15961.7 RFFX: French Forces, Fort de France, Martinique 1904 ARQ-3 in 192/425 idling. (RB)
15988.5 Unid 1706 TOR-7B 100/200 F7B-4, 5lg's, Dutch embassy traffic, but no ID on station. (Khartoum and Tehran noted in prior WUN logs) (ED)
16014 Unid 0840 RTTY 150/500 Bulgarian Text? (GD2)
16021.7 Cairo(?) 1507 ARQ Locked space tone, atu-a, "dar alslam kinshasa". (ED) Egyptian MFA, Cairo 0758 ARQ 100bd/170 ATU-80 MSGs (MC)
16125.3 RFQP: French Air force, Djibouti 1810 ARQ-M2 200bd Circuit [QPB]. Traffic. (PS)
16127 M4W Mossad 0830 RTTY 75/340 Call up messages (GD2)
16135 KVM70: Honolulu Meteo, HI 1838 FAX 120/576 w/isobar lines only. (RT2)
16136 BZR66: Xinhua Beijing CHN 1035 RTTY 75/375 nx (HL) BZR66: XINHUA Beijing 1230 RTTY 75/400 Idle marker "rrryyyyyryrryyyyrryyyyrryyyyrryyyyrryyyyrryyyy" then English press. (DW) BZR66: XINHUA Beijing CHN 1107 RTTY 75/400 nx (HL)
16158.1 Cuba 1723 RTTY 50/500, Minrex press from Latin Am. (ED)
16159 UNID: 1020 ARQ6-90 5LG "CRNY" (HL) (Ary sez MFA Paris w/a message to French Embassy Conakry (CRNY) -LOGS)
16166.5 Unid: 1827 FAX 90/576 wx, too weak to identify (JD2)
16171.7 Egyptian Embassy, Rome 0802 ARQ ATU-80 MSGs to MFA Cairo (MC)
16175.5 Unid: 1228 Piccolo-12, crypto (MC)
16179 CLP1, Havana, Cuba 1850 RTTY 50/519 Cuban MFA HQ w/circulars for missions abroad concerning the shoot down of the two 'Brothers in Arms' a/c's. (PS)
16201.9 SNN299: MFA WARSW 0532 POL-ARQ 100 Polish msgs 5 ltr grps (EW)
16213 DKAR***: French E, Dakar 0937 ARQ6-90 200bd/400 5LGS (MC)
16231.7 Chinese Diplo, loc??? 0800 44+ (MC)
16265 9FV207: Singapore 1905 RTTY 75/850 w/strong signal. (RT2)
16268 German E Beijing 1822 ARQ-e idle (HL)
16273 SOUD Station, loc?? 1418 RTTY 75bd/500 5FGs to link ID "11177 00098 03685 27466 02609" (MC)
16277 JWT: Norwegian Navy Stavanger,NOR 1357 ARQ Nx. (AB)
16284.9 Norwegian E, loc??? 1143 TWINPLEX 100bd MSGs in Norwegian (MC)
16312 UNID: 1014 ARQ-E 288 Encrypted tfc (HL)
16314.4 Unid 1709 FEC maritime msg. in UNID language, prob.greek, mentions Saint Nazare, port, w. France. (ED)
16314.7 Unid 1716 ARQ Idle only (ED)
WUN-v02


16332 MFA Bucharest 1122 encr. (HL)

16332 V5G***: Romanian MFA, Bucharest 1048 ROU-FEC 164.5bd/400 crypto (MC)

16339.9 Unid: Romanian?, ca. 0758 ROU-FEC 218.3bd/400 crypto (MC)

16340 Unid: Diplo 1323 RTTY 75/500 Bulgarian press - prob MFA (JD2)

16344.5 Unid 1559 ARQ 100/328 Wide shifted SITOR, encrypted (ED)

16351.5 Unid 1941 ARQ on short time, UNID language. (ED)

16685.5 UNOJ: Dekabrist 1916 ARQ tfc via WLO. (AB2) UNOJ: TH DEKABRIST 1850 ARQ WITH MSG IN ALL NUMBERS. LOGIN 55736 UNOJ. (WT)

16689.5 DVHN: EURASIAN GLOW 1840 ARQ W/TLX, LOGIN 76753 DVHN. 9HZY4: M/V EVELYN 0124 ARQ W/TLX, VANCOUVER TO AUSTRALIA. (WT)

16690 UNID: m/v "Corpus Christi" 1400 ARQ msg (HL) (WMRU, U.S. Flagged SS Corpus Christi -LOGS)

16693 HBDL: Grischuna 0006 ARQ tfc, selcall 51234. (AB2) DGCR: M/V ARBITRATOR 1837 ARQ W/BBXX (WT)

16694 BOAE: Dong He 2053 ARQ AMVER/PR, vs1 bound for Yokohama. (AB2) 3FRW4: M/V Corona Brave 1511 ARQ W/E TA to Balboa anchorage. (RB) HBDL: GRISCHUNA 2222 ARQ W/AMVER/PR, 1221N 10156WLOGIN 51234 HBDL. (WT)

16697 C6K02 M/V LAPPONIAN REEFER 2218 ARQ W/AMVER, 3736S 17612E. LOGIN 29239 C6K02. (WT)

16703 PPWG: Nacional Santos 1902 several tellies for Rio, selcall 02000. (AB2)

16703.5 PJOW: M/V Prince of Seas 1735 ARQ W/AMVER like msg (06700Z AP/) after sending selcall (RB)

16711.5 P3LT5: M/V VELOS 1828 ARQ W/SVC TO: GLOBE. LOGIN 00598 P3LT5 (WT)

16713 C6TX: Bahamas 1525 ARQ msg (HL) (this is M/V Baltic Sea -LOGS)

16714 UHBT: TH KOOPERATSIYA 0112 ARQ W/TLG'S, LOGIN 55103 UHBT (WT)

16715.5 C6TX: M/V Baltic Sea 1854 ARQ Bahaman flagged cargo vs1 W/AMVER/DR, logind 70054 C6TX. (RB)

16716 UNID: 1410 ARQ unk m/v msg to Novorossiysk (HL)

16721 LXPC: M/V CRYSTAL PRINCE 1900 ARQ TFC CHK, LOGIN 36282 LXPC. (WT)

16778 UFEV: T/H NIKOLAY KRYLENKO 1337 RTTY 50/170 crew TGs to UGC. (HOOD)

16778.5 UAAU: BATM ALEKSAND KSENOFONTOV 1245 RTTY 170/50 to UIW (VIS is ex LYKF). (HOOD)

16790 UNID: 1510 FEC same nx as 16710/cw "quezon city reggie malou". (HL)

16795 UNID: 1200 ARQ "Bonny Nigerian" to leixos por chrtrs "gama pinto" (HL)

16797 UFUX: TR Novorossiyskiy Rabochin 1954 RTTY in 50/170 admin TG's from master KM Aliev. (RB)

16798 N/A: M/V Crown Matapang 1957 FEC w/"crew list...Crown Matapang" and listing each crewmans name/posn in ship, not a telex, more like an ann. (RB)

16801.5 UBKS: RTMS SOKRAT 1130 RTTY 50/170 admin to UIW. (HOOD)

16802.5 UWBS: KRTS NIKOLAY FILCHENKO 1334 RTTY 50/170 crew TGs to URL.

16807.5 UFZ: Vladivostok 0103 ARQ CW ID. (EW)

16816 ZSC64: Capetown radio 1730 FEC Coastal wx forecast for 50 miles from RSA coast. (DW)

16817 WCC: Chatham radio 1240 FEC Stn info, tfc list, high seas forecast. (DW)

16821.5 Lyngby Radio 1630 FEC Nx in Danish. (RC)

16828 UBN: Mariupol r. UKR 1221 ARQ idle. WLO: Mobile r. AL USA 1457 ARQ "Weba telex times" weekly marine newsletter (HL)

16830.5 SVU: Athens radio 1258 FEC on standby till 1307 then Greek ship press. (DW) SVU: Athens r. GRC 1157 ARQ tape (HL) (sitor free signal? -LOGS)

16834 CUL: Lisbon r POR 1444 FEC "cultex p" (HL)

16839 UFA: Novorossiysk r RUS 1220 ARQ idle. PCH6: scheveningen r. NL 1204 ARQ tape (HL)

16841 UF2: Vladivostok 0103 ARQ CW ID. (EW)
16930  MRB: 0834 RTTY 50/170 RY (AB3)
16951  6Ww: FN Dakar SEN 1503 RTTY 75/900 "voiyez le bric". At 1140, Idling
1210 RTTY 75/850 foxes (HL)
17066  UAT: MOSCOW 0527 RTTY 50 msgs to Vladivostok WTSCA (EW)
17198  Unid: 24 hrs RTTY 100/850 encrypted tfc. (MS4)
17424  Unid: Diplo 1325 POL-ARQ POLish press - prob MFA (JD2)
17432  DFZG: MFA Belgrade 1413 RTTY 75/400 Diplo msg bdcast. On line
encrypted. (DW)
17443  BZG48: XINHUA Beijing 1125 RTTY 50/425 Startup sequence "qra de BZG48
Xinhua Beijing" and RY's. Frenchpress from 1130z. (DW)
17452  V5G***: Romanian MFA, Bucharest 0740 ROUhFEC 1645bd/400 crypto &
MSGs to Lagos (CW opchat) (MC)
17460  UNID 1154 POL-ARQ Encr.tfc (HL)
17468  Unid: 0727 RTTY 75 5LGS no id. (EW)
17525.8 WJI: 0654 RTTY 100 RY WJI then at 659 into arq.e 96/850 idled until
0707 then off who is this? (EW)
17550  RFTJ: FF Dakar SEN 1230 ARQ-E "Controle de voie AFL101" (HL)
17590  HZN: Jeddah Meteo, Saudi Arabia 1150 RTTY 100/850 synoptic wx for
middle east. (JD2)
18036.7 UNID: 1500 ARQ ATU-80 txt (SS) (Ary sez MFA Cairo -LOGS)
18039.8 UNID: 1414 RTTY 50/480 nx in SS (SS)
18040  TCY4: AA Ankara 1134 RTTY 50/850 Press in Turkish. 440hz high. (DW)
18046.7 Lisbon 1717 ARQ 51g's, ending in "ut lisboa". (ED)
18049.5 CLP1 (?): MFA HAVANA, CUB 1555 RTTY 50/520 msgs and news in SS (SS)
18050  SNN299: Polish MFA, Warsaw 1238 RTTY 75bd/250 NX review in Polish
(MC)
18055  DFZG: MFA Belgrade 1415 RTTY 75/400 Diplo msg bdcast. On line
encrypted. (DW)
18064  SNN299: Polish MFA, Warsaw 1103 POL-ARQ 100bd/240 Claris MSGs & 5LGS
(MC)
18066.4 "de ver"? Geneva 1459 PACTOR-I 200/200 ICRC Geneva with FF msg. (ED)
18093  Unid: SOUD Station,?? 1422 RTTY 75bd/500 5FGs on link ID 60003 (MC)
(new freq for FX? -LOGS)
18173  STK: Khartoum air SDN 1004 RTTY 50/400 "hssyfxyx" (HL) 1335 RTTY
50/400 wx (HL)
18191.7 Italian Diplo/Mil, loc?? 1059 1200-FSK 1200bps UNID System (MC)
18220.9 Map Rabat, Morocco 1520 RTTY 50/400 w/FX nx. (RT2)
18221  CNM76X9: MAP Rabat 1309 RTTY 50/850 Press in English. (DW)
18276/C9: MAP News, Rabat 1251 RTTY 50bd/400 NX in EE abt Moroccan
geological surveys (MC)
18253  SUU3: Cairo, EGY Meteo 1200 RTTY 100/850 w/synoptic wx (1 Khz higher
than published freq). (JD2)
18255  CNM78: MAP Rabat 1328 RTTY 50/400 nx (HL) (MEA New Delhi here & in
50/400 -LOGS)
18265  CNM78: MAP Rabat 1312 RTTY 50/850 Press in EE. (DW)
18314.5 Unid: French Diplo?,?? 1351 Tt2300b 100bd tfc (MC)
18316  Egypt Embassy, Djaza ir, ALG 1503 ARQ625 5lg (HL)
18332  Unid: 0750 RTTY 75b 5LGS no id. (EW)
18422  Unid: SOUD Station,?? 1409 RTTY 75bd/500 5LGS to link ID "10024" (MC)
18451.5 Jakarta 1622 ARQ Indo. lang. msg. to Damascus. (ED)
18496.1 CNM80/X11: MAP News, Rabat 1008 RTTY 50bd/400 NX in Arabic (MC)
18646.7 PCW1: Dutch MFA, Den Haag 1357 ARQ 100bd/170 phasing bursts and CW
ident "pcw1" (MC)
18648.5 SPW: Warsaw radio 1406 FEC Polish ship press. (DW)
18706  SOTT265B: PAP Warsaw Radio, Warsaw 1357 FEC tfc list "de warsaw radio"
(MC)
18806.7 JKT: MFA Jakarta 0611 RTTY 50 diplo msgs and 5LGS (EW)
18872  BZP54/BZR68: XINHUA News, Beijing 1016 RTTY 75bd/400 "qra qra qra de
brp/54/bzr68 ryryryry" marker (MC)
18966.7 RCH3: French Forces, Papeete, Tahiti 1900 ARQ-E3 96/425 idling on
Circuit HJL. (RB)
18970.5 "RFLI" Caribbean 1707 ARQ-E3 96/392 5lg's. (ED)
19048.7 RFFA: FF Paris 1335 ARQ-E3 192/400 8CRC. Betas. Fading, losing sync.
(DW)
19053  Unid 24 hrs RTTY 75/850 encrypted tfc. (MS4)
19130  Interpol, loc 0540 ARQ Tfc from Pretoria (AB3)
19171.1 CNM85X11: MAP Rabat 1158 RTTY 50/850 Press in FF. Shift twice that normally (400Hz) used & centre low by 220Hz. End of FF bulletin 1201z. 1208 start up sequence & skeds in EE. Press in EE. (DW)

MAP Rabat, Morocco 1545 RTTY 50/400 w/FF nx. (RT2)

19289.7 Cuba 1734 RTTY 50/400 Minrex Cuba w/EE (!) press, warbly tones. (ED)

19362 NMF: USAF Homestead USA 1423 Fax 120/576 Chrts (HL) (no longer a transmitter site at Homestead, now supposedly a USN xmitter at Roosevelt Roads, PR -LOGS)

19462 SUNA Khartoum SDN 1018 RTTY 50/200 nx E (HL)

19567 Egypt emb. Beirut LBN 1108 ARQhe Encr. tfc. (HL)

19747.5 6VU: Dakar met. SEN 0930 RTTY 50/400 nx E (HL) 6VU79: Dakar MET 1329 RTTY 50/400 Met tcf. (DW)

19751.5 6VU79: Dakar met. SEN 1214 FAX 60/576 LSB!! WX chrts (HL)

19860 GYA: MTO RN Rosyth G 1210 RTTY 75/400 3FG (HL)

19980 9Bc33: IRNA Teheran IRN 1108 ARQhe Encr. tfc. (HL)

20286 Unid 24 hrs RTTY 75/850 encrypted tcf. (MS4)

20599 Unid 24 hrs RTTY 75/850 encrypted tcf. (MS4)

20651 Pyongyang N Korea 0120 RTTY 50/993 N.Korean Diplo. h Korean in transliterated Latin text (AB3)

20950 Unid 1539 ARQhe 192/170 encrypted (UNID in previous WUN logs). (ED)

22380 PCH75: Scheveningen r. NL 1200 ARQ w/CW ID. (HL)

=MARITIME=

435 WLO Radio 0305 CW w/traffic list (AM)

1728 Vardø Radio, NOR 2135 USB w/traffic list. (SM)

2103.5 CG3029: CCGS Earl Gray 0302 USB wkg another unid CCGS re location & ice conditions. (RB)

2182 PBK: Neth. CG, HOL 2309 USB Ann. nav. wng (AB) Montoni(sp?) 2016 USB clg Palermo Radio w/no response. Then calling Napoli again no joy. Premuse Montoni is now a ship's radio. (DES) VCO: CCG Sydney, NS, CAN 0235 USB w/securitie ann re gale warning. VCG: CCG Riviere-au-Renard Rdo, CAN 0329 USB w/ann re gale warning. NMB: USCG Group Charleston, SC, US 0415 USB w/pan-pan ann re 2 flares being sighted off the coast of Ga., req vsls in area keep sharp lookout. ZCAN3: SS Gypson Baron 0513 USB wkg Yarmouth CG Radio, QSY 2582/2206 for R/T. Unid: Swedish vsl Vestpile? 0625 USB clg Quebec CG Radio on "16"... oops! (RB) Humbar Radio, UK 2137 USB wkg GDWP, Veronica Viking, they chopped to Chan' Quebec (1925Khz) first but it was "uncommercial on this freq" they then went to Rome (2684Khz). Anyone know what type of craft the Veronica Viking is ? (SM)

2206 VCRJ3: M/T Irving Eskimo 0320 USB wkg Yarmouth CG, CAN (on 2582) for R/T call. (RB)

2514 VCP: CCG St Lawrence CG Rdo, PQ, CAN 0524 USB wkg unid vsl on 2118 w/incoming R/T call, had hailed vsl on 2182. (RB)

2582 Unid 0118 USB Canadian EE w/FF accents, last stn id'd as 'renom Ch'chart (Canadian Coast Guard, probably VCG, Riviere-au-Renard -LOGS) VCN: CCG Cap-aux-Meules, CAN 0328 USB wkg unid vsl ?-Star (on 2206) for R/T call. (RB)

2591 Unid 2112 USB Italian...Possibly LIVERNO RADIO (?). (SM)

2598 VOJ: Stephenville CG Radio, NF, CAN 0210 USB w/wx in EE to 0215, then in FF. (RB)

2670 NNN70: USCG Eastern Shore Grp, Chincoteague, Va, USB 0235 w/MIB. NNM1: GANTSEC, USCG Greater Antilles Section, San Juan, PR 0310 USB "CG San Juan" w/MIB, Wk. NMA21: USCG Group St Petersburg, FL, US 0320 USB w/wx, MIB. NMF2: USCG Group Woods Hole, Me, US 0333 USB w/securitie broad re vsl loosing over 100 life preservers overboard! NMB: USCG Group Charleston, SC, US 0420 USB w/wx, MIB. (RB)

2749 VCO: CCG Sydney, NS, CAN 0519 USB w/securitie ann, wx/gale warning. VAU: Yarmouth CG Radio, NS 0550 USB w/marine wx in EE/FF. VCN: CCG Cap-aux-Meules, CAN 0634 USB w/securitie ann, wx/gale warning in FF/EE. (RB)

4101 marine ch 4384 shore station (EG)

4191 9Hzv3: M/V ADIGE 0706 CW to GKB. (HOOD)

4198 TCCL: M/V GENERAL KAZIM ORBAY 1903 CW to TAH (signs as G K ORBAY). (HOOD)

4235 VAI: CCG, Vancouver CG Rdo., BC, CAN 0619 CW w/CQ marker. (RB)

4274 KPS: Palo Alto Radio, CA 0633 CW w/CQ, QSX marker. (RB)

4275 HPP: Panama Intelmar Radio, PAN 0630 CW w/CQ/QSX marker. (RB)
Marine chatter on aircraft band, Australian fisher men talking about foot ball. Even Aussi's operate out of band. (SB)

6224  KCE270: Maritime Enterprises Inc, Miami Beech, Fl 1155 USB wkg vsl Tropical Breeze. (RT2)

6277.5 9HRE3: T/H DANUBE EXPRESS 1748 CW msg to Izmail USO5. (HOOD)

6290  EOLL: T/H MORSKOY 5 0704 CW msg to Tallinn ESA. (HOOD)

6303  ELSJ3: M/T Alfios I 0158 CW Liberian oil tanker, w/4 messages being sent via unid coastal station. (RB)

6344  URL: Sevastopol r. UKR 2201 CW marker. (HL)

6379   4XZ: Haifa r. ISR 2155 CW marker. (HL)

6382   6VA: Dakar Radio 2200 CW wx in FF. Also MAFOR. (DW)

6415  7TF4: 0215 CW w/Marker, S9 signal (AM) (Boufarik Radio, ALG -LOGS)

6478  SVA: Athens r. GRC 2210 CW Msg about strike (HL)

6491.5  VAI: CCG, Vancouver CG Rdo 0649 CW BC, Canada w/CQ marker. (RB)

6507  Unid 0940 USB Marine weather for australian waters. (SB)

6578   6LZR: M/V ORYONG 78 1756 CW to HLW. (HOOD)

6649   9VG56: Singapore 1100 CW marker. (MS4)

6849   84G6: St Petersburg Radio 0805 CW with traffic list. (PvdE)

6872   84M3: Penang Radio 0844 USB Voice Mirror in Chinese (AW)

6887   9M69: Penang radio 0844 USB Voice Mirror in Chinese (AW)

6911   84G6: St Petersburg Radio 0805 CW with traffic list. (PvdE)

7022   84M3: Penang Radio 0844 USB Voice Mirror in Chinese (AW)

7129   84O1: 0253 CW w/Marker. (AM) (Athens Radio, GRC -LOGS)

7287   7TF4: 0215 CW w/Marker, S9 signal (AM) (Boufarik Radio, ALG -LOGS)

7347   84G6: St Petersburg Radio 0805 CW with traffic list. (PvdE)

7362   84O1: 0253 CW w/Marker. (AM) (Athens Radio, GRC -LOGS)

7519   84M3: Penang Radio 0844 USB Voice Mirror in Chinese (AW)

7614   84G6: St Petersburg Radio 0805 CW with traffic list. (PvdE)

7719  84O1: 0253 CW w/Marker. (AM) (Athens Radio, GRC -LOGS)

7847   84M3: Penang Radio 0844 USB Voice Mirror in Chinese (AW)

7922   84G6: St Petersburg Radio 0805 CW with traffic list. (PvdE)

8017   84O1: 0253 CW w/Marker. (AM) (Athens Radio, GRC -LOGS)

8102   84M3: Penang Radio 0844 USB Voice Mirror in Chinese (AW)

8176   84G6: St Petersburg Radio 0805 CW with traffic list. (PvdE)

8267   84O1: 0253 CW w/Marker. (AM) (Athens Radio, GRC -LOGS)

8352   84G6: St Petersburg Radio 0805 CW with traffic list. (PvdE)

8437   84O1: 0253 CW w/Marker. (AM) (Athens Radio, GRC -LOGS)

8522   84G6: St Petersburg Radio 0805 CW with traffic list. (PvdE)

8606   84O1: 0253 CW w/Marker. (AM) (Athens Radio, GRC -LOGS)

8704.5  UGW: Novorossiysk Fisheries Radio 1735 CW crew TGs to UGMS, RTMS KAPITAN SMELOV. (HOOD)

8706   84G6: St Petersburg Radio 0805 CW with traffic list. (PvdE)

8707   84O1: 0253 CW w/Marker. (AM) (Athens Radio, GRC -LOGS)

8719  84G6: St Petersburg Radio 0805 CW with traffic list. (PvdE)

8722   84G6: St Petersburg Radio 0805 CW with traffic list. (PvdE)

8806   84G6: St Petersburg Radio 0805 CW with traffic list. (PvdE)

8851   84G6: St Petersburg Radio 0805 CW with traffic list. (PvdE)
WUN-v02

Monukai/KNLO discussing new Globe Wireless software for ship comms. Monukai was loud and clear here, but the other vessel, Matsonia/KHRC was not readable. Matson ships have been good QSLers in the past. (RA)

12552 SXGL: PANTHEA 1855 CW CLG SVB NJ. (WT)

12556.5 UMLE: TR PROLIV LONGA 2257 CW CLG ULF NJ. (WT)

12674 UCW4: St Petersburg (NW Shipping Co) Radio 1509 CW relaying crew TG from T/H Tuapse (via Novorossiysk Radio) to EUBX: T/H VOLGOBALT 107. (HOOD)

12676 HMZ: Pyongyang R 1603 CW w/QTC traffic list. (PvdE)

12710 VWB: Bombay R 1535 CW w/VVV followed by nav warnings at 1548Z. (PvdE)

12711 HCG: Guayaquil R 2105 CW w/tfc list (very bad hand keying). (PvdE)

12750 CWA: Cerrito R at 2110 CW w/CQ marker. (PvdE)

12930 SYO: Agaba R 0823 CW w/CQ marker. (PvdE)

13098 CW4: St Petersburg (NW Shipping Co) Radio 1538 USB "This is (Cyprus/Cypriot? couldn't quite make it out) Radio, Radiotelephone marking service." in EE & presumed GK. (DES)

13131 9VG67: Singapore radio, 0925 wkg "P3AA3" (any ID on this?) (AW) (M/V Epta -LOGS)

16619. BOAX: An Bao Jiang 2107 CW clg BOLA. (AB2)

16683.5 SYOV: M/V Oinoussian Strength 1628 CW clg/wkg SYHP, M/V Oinoussian Sky. (RB)

16710 UNID: 16720 1400 CW nx from Philippines (HL) (Filipino crewed ship passing on the nx from home -LOGS)

16841 UF2: Vladivostok 0103 CW CQ (EW)

16870 DZJ: Bulacan R, Philippines 1440 CW w/CQ marker. (PvdE)

16932 7TF10: Skikda r. Alg 1233 CW marker (HL)

16945 XVG: Hai Phong R 1403 CW w/traffic list. (PvdE)

16950 WW:FN Dakar SEN 1503 RTTY 75/900 "voievez le bric" (HL)

16966 SVB: Athens r. GRC 1525 CW marker (HL)

16978 3BM: Port Louis Rdo, Mauritius 1430 CW w msgs. (PvdE)

16982.5 SVD: Athens 0458 CW CQ (EW)

17011 JSX: Chi-lung R 1057 CW ann HR TFC LIST CMG. (PvdE)

17050 4XZ: Haifa r. Israel 1458 CW tape (HL)

17074.4 LGX: Rogaland Radio,NOR 1400 CW Tfc list (AB)

17135 UTQ: Kyev r. RUS 1147 CW (HL)

17145 LW6: Vrana r BUL 1520 CW tape (HL)

17147 URL Sevastopol 0945 CW to UYDV RTTY MORE SODRZHVESTVA. (HOOD)

17162 PPO Olinda 0953 CW marker. (HOOD)

17172 9MG: Georgetown R, Malaysia 1405 CW CQ marker. (PvdE)

17185 PKE: Amboina R 1220 CW w/CQ QRU? (PvdE)

17198.9 PCH60: Scheveningen r. NL 1142 CW marker (HL)

17239 PKX: Jakarta R 1223 CW w/CQ QRU? (PvdE)

17248 5BA62: Nicosia r. CYP 1511 USB Tel. serv. (HL)

17348 PCH61: Scheveningen r. NL 1510 USB tcf (HL)

18020 Scottish Fisherman? 2027 USB swearing, must be the fisherman again. I have never heard them this high up the band before!? (SM)

22380 PCH75: Scheveningen r. NL 1200 CW marker (HL)

22708 PCG71: Scheveningen r. NL 1308 USB msg (HL)

= MILITARY =

122 OUA: DM Stevns DK 2133 CW (HL)

2700 Royal Navy Coastal Control Ch.GB 0419 USB w/2 tone channel available signal (UKMACCS Maritime Coast Control). (RB)

2806 IG341: Italian Navy, Augusta, I 2101 CW tape (HL)

3023 Rescue 11 0242 USB wkg unk stn for radio check, no joy. (CM)

3192 “Navy Auckland” RNZN Auckland 0815 USB wkg patrol craft HMNZS Hinau. (AB3)

3195.2 R: Naval Channelmarker,RUS 2125 CW. (AB)

3245 MARS Net 0102 LSB (new freq?) talking about computer problems, one station id’d as aar2hg; another abbreviated call as "dv". (MS2) (Air Force MARS -LOGS)

3275 Unid Military, USN? 0321 USB clg Bravo 28, other weak comms. (RB)

Victor 99 0345 USB wkg Papa 25, etc. Navy Comms? First time I've hrd this freq used. (WP)

3295 QUANTITY 0108 USB wkg NIGHTWATCH 01. (JH)

3349 NNN0ZTL: Navy MARS unknown location 0314 USB wkg NNN0ESU, also unk location. 7XR: UnID 0323 USB clg 1NO (One November Oscar). MARS op's req ID of stations, no response. Warned that they were operating
on US Gov. frequency. X7R: UnID 0331 USB X7R and INO often referring to themselves as IN and X7. They fail to acknowledge MARS operators req for ID. 7XR: UnID 0339 USB 7XR/INO sound like they are experimenting with some sort of tracking system. INO mentioned that 7XR "popped in" at about 186 mi. out at a bearing of ?? degrees. INO: UnID 0341 USB INO asked for new frequency. 7XR responded with "code word HOCKEY" (at least it sounded like hockey). INO returned & req 7XR stay on this freq. (DF) (Link 11 Coordination net, USN/NATO -LOGS)

3394 HMS Hecla 2240 USB wkg Seavo/Seaport? coming into Amphib Base Little Creek. Thanks Rick Baker for ID on this one. (DES) GPBA: HMS Hecla (A-133) 2359 USB clg another unid vsl, no joy. (RB)

3814 FDE14: Unid FF CW marker after recent chg of ID. (MC)

3906 "OA": Irish Military, Dublin 1025 USB wkg "253'. (ANEE)

4116 IAER: Unid Italian warship 2246 USB Italian tracking net w/track reports (AB)

4263.1 ZLO: Waiouru NZ 0155 CW CW Mkr h RNZ Navy (AB3)

4420 UKMACCS Coastal Control 0914 USB w/beeps for channel availability w/CIS pp underneath/over the top!! (SM)

4426 NMF: COMSTA Boston 0032 USB w/Schooner Jackson, Duplex 4134. (AM)

4469 IAER: Unid Italian warship 2246 USB Italian tracking net w/track reports (AB)

4500 AFA2TR: NCS, USAF MARS VA Info 0242 USB Net, wkg AFA2RD, Fairfax, Va w/check-in. (RB)

4519 UKMACCS ship freq Ch36 2130 USB "Coastal you are loud & clear" then RTTY. (SM)

4550.5 TBU5: Turkish Navy 0137 CW w/V marker, TBDJ DE TBU5 tfc, all "TBxx" calls are Turkish Naval ships, so TBDJ is a collective call to "any Turkish Navy ship" (RB)

4560 N/A: HMCS Kingston (MVC700) 2238 USB wkg Halifax Military w/request for "in-clear" RTTY transmission due to problems app w/crypto gear. This is a new vessel, used by reserves mostly for patrol duty. (RB)

4565 UKMACCS Coastal Control 1649 USB wkg GC, "Send 10 sec mark please", UKMACCS Ch 36. (SM)

4579 FDI22: 1930 CW active tfc from this French Air Force station (CK)

4706 Architect 0805 USB w/Neatishead, 8QU. RAF tracking net. Buchan 0752 USB w/8QU. RAF tracking net. (SM)

4715 RAF Volmet West Drayton, England 2330 USB w/aviation wx. (DES)

4721 EXECUTIVE ONE FOXTROT 0242 USB wkg Andy on Fh877. (BWS)

4724 Offutt 0537 USB w/5UKQPP... (EG) OFFUTT 0526 USB, as lead GHFS station, with 20/20/26 character EAM set over a 8 minute period. "____NINE ONE" (could not make out first part) 0643 USB clg ANDREWS in the middle of one of ANDREWS "lead station" EAM transmissions. (JH) Neatishead 1132 USB & 7LL. RAF tracking net. (SM)

4730 MKL: 1900 CW MKL WX for EGQK and EGQL. (CK)

4739 Spangle 751(yl) 0753 USB clg Quebec 95 or Mike 5 then any stn. Bath 01 0813 USB wkg Q9M w/radio check. Bath 01 is British om & Q9M is apparently NAM male. Bath 01 0823 USB wkg Q9M to see if Q9M received CRATT traffic. Q9M 0825 USB wkg Bath 01 to ascertain if CRATT traffic was Quick Brown fox ry ry ry ..... confirmed. Spangle 752(om) 0828 USB clg Q9M Then into any stn, then Blue Star, & on & on between the three. Q9M 0859 USB clg Spangle 751 and again at 0903. Q9M 0905 USB clg Sierra 4 Juliet Golf, then clg 6UW. Dutch 01 0943 USB wkg Q9M reporting ACU unit fine, operator sounded East indian. (EC1) RUGBY 04 (RAF Aircraft) 2250 USB wkg ?, req wx for NAS Oceana. (I've got RUGBY listed as a VCh10). (SW2)

4742 Architect UK 0700 USB QNH for UK airfields (AB3) NATO 12 USB wkg selcall JK-LM r/c architect (CH) NIGHTWATCH 0348 USB w/SUET4... followed by "this is NIGHTWATCH out". NIGHTWATCH 0354 USB clg
WUN-v02
Andrews. (EG) Magic 88 1435 USB wkg Architect req. wx for EGXW. Navy
706 1437 USB wkg Architect (Navy unreadable). Magic 88 1438 USB wkg
Architect act wx. OSD 99 1447 USB wkg Architect dept. message. 1DM95
1454 USB wkg Architect. helicraft with 4 pax on board going from EGOS
(ops.said Harriford?) to EGAA via EGOV. Ascot 5350 1513 USB wkg
BRIKKAZ selcal AJBH call you ops.normal in 60min. 1DM95 1516 USB wkg
Architect. 1500Z wx for EGOV valid 1450. 7C94 0920 USB wkg Architect
dept ETUL xxxx/xx ETA EGXH xxxx/xx. msg 3PFB??2 st. call 5K4KA (hard
readable). Ascot 5040 0924 USB wkg Architect. Ascot 5040 on 4742
dept. Lyneham 0820/30 ETA ?geri 1450/00 st.rel. K selcal AKDL. Ascot
4360 0928 USB wkg Architect dept. msg selcal AJBL (unreadable). 5K4KA
0935 USB wkg Architect ??? (nothing heard). Ascot 586 0944 USB wkg
Architect selcal FLBG. Kittyhawk 1 0947 USB wkg Architect
st.rel U dept. Northolt 0935/45 ETA Linton 1025/30 selcal EMBQ. IFN
71 0843 USB wkg Architect. dept. Lyneham 0755/00 ETA LDSP 1100/10
st.rel K+SPUHPRR selcal A(S?)DL. IFN 83 0846 USB wkg Architect. Dept.
Lyneham 0820/30 ETA Br? (Brussels??) 0940/50 st.rel. L + BGNKORR &
SPUKORR selcal AJBF. ZD950 0848 USB wkg Architect req. selcal check
DJAB. 8IG 0855 USB wkg Architect. Radio check. Architect 0902 USB
radio check. Ascot 5844 0903 USB wkg Architect dept. Lyneham 0830/40
ETA Gibraltar LXGB 1310/20 st.rel. K + GIBKORR+ GIBRKRR selcal AJEG.
Pasty 0908 USB wkg Architect Radio check. req. wx actual for Kinloss
& Sola. Architect asked for ICAO 4 letter. EGQK ENZV. Ascot 2030 0912
USB wkg Architect St.rel L dept.Playvog(?) 0830/35 ETA ???? selcal
BLHJ. 7GT 0921 USB radio check (nothing heard). Pasty 0927 USB
clg Architect (nothing heard) (HH) QUANTITY 0106 USB wkg NIGHTWATCH
01. NIGHTWATCH 01 wkg unid station at 0445z, w/X904 primary, & X209
secondary. (JH) PACOM 01 0150 USB is (safely) on the ground at
Andrews AFB after a low battery in a crash indicator caused the
indicator to activate on its guard frequency (243.0 MHz UHF) while
enrt to Andrews AFB. PACOM 01, through a pp, adv RESCUE OPS that
they had NOT crashed. RESCUE OPS then thanked PACOM 01 for the
heads-up & stated that their crash indicator beacon had indeed been
picked up by at least one reporting party. (JJ) ASCOT 3387 2320 wkg
Architect for radio/selcal check. DJ-AE, TriStar KC1 ZD953. Kitty 4
1335 USB wkg Architect, std relay V, dep EGWU (RAF Northolt) 1320z,
eta EGNT (Newcastle) 1415z. Selcal EM-BQ BAe146 ZE702 No. 32 (The
Royal) Sqn positioning flight. IFN 47: 1750 USB wkg Architect for
selcal check CF-AE - VC-10 XV104. Ascot 5687 1815 USB wkg Architect,
std relay K, dep Gander 1435z, ata 30W 1802z, eta Lyneham 2135z.
Selcal AK-BE Herc. XV223. Ascot 5892: 1145 USB wkg Architect for
selcal chk. AK-BG Herc XV290. Ascot 3200 2341 USB wkg Architect std
relay Y, dep EGVN 2250z, eta 23N 0320z, dest FHAW (Wideawake,
Ascension). Selcal LM-BK, TriStar C2 ZE705 of 216 Sqn RAF Brize
Norton. (PR) STRIKE 01? 1128 USB wkg unid. (RT2) GUUS: HMS Broadsword
1240 USB clg/wkg ARCHITECT re pp. Odd that the Navy use STCICS?
ARCHITECT 0940 USB wkg Mobile 1, adv to go to 2591 Khz & call
Architect. ARCHITECT 1900 USB "Airfield pressure settings...". 8QU
0725 USB wanting a wkg freq for Buchan etc. Adv DELTA is the desig.
Kittyhawk 1 1455 USB clg for Architect. no reply. (SM) L7T (Nimrod)
1510 USB wkg Architect, req wx for RAF Kinloss. 7PW (RAF a/c) 2323
USB wkg Architect, req actuals for LICZ (Sigonella), LICJ (Palermo)
& LIBR (Brindisi). Architect only had the wx for Sigonella & Palermo.
(SW2) ASCOT 3490 0653 USB wkg Architect, dep. EGVN/0610, est. 15E/
0830, eta LCRA/1025, relay D, selcal DJ-BC (L15, ZD952). "P3S" 0709
USB wkg Architect, radio check. IFN09 0710 USB wkg Architect, dep
EGDL/0645 eta ETUR/0815 relay K + BGNKKRR + BGNRKRR, selcal AJ-DL
(C-130, XV207). ASCOT 5912 0751 USB wkg Architect, dep EGDL/0715 eta
BIKF/1105, relay M, selcal AJ-BD (C-130, XV186). "Rescue" 0758 USB
radio check w/Architect. ASCOT 2674 0810 USB wkg Architect, selcal
check, selcal CF-AE (VC-10, XV104). IFN80 0834 USB wkg Architect,
selcal check, selcal AJ-HL (C-130, XV220). Rafair 3C71 0914 USB wkg
Architect, msg unreadable (Wessex heli). ODH 1A 0921 USB ground radio
check w/Architect. Swallow 92 0936 USB wkg Architect, dep EGAA on
route EGOS (Wessex heli). ASCOT 2708 0951 USB wkg Architect, selcal
check, selcal CF-AB (VC-10, XV103). (WdM) SRG 129 2212 USB r/c
ARCHITECT, rescue helo closing down. (PR)
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4894  SAM 375: USAF Special Air Mission a/c 0526 USB w/kg Andrews VIP
w/signal ck's on F555. (RB)

4992  C253: Irish Air Corps Casa CN-23 1913 USB to "23", testing for Tx
alignment. Changed to SITOR A & SeCal MPCY. (ANEE)

5198.5  Halifax Military 0020 USB w/CANFORCE ??? (AM)

5290  TBO: Turkish Navy, Izmir 1929 CW "vvv vvv vvv de tbo tbo tbo t23c
 t23c t23c" marker (MC)

5320  NDIS: USCGC Matinicus 2359 USB (WPBh1315) w/kg NMK, Group Cape May,
with radio ck, 2 xmitters. (RB)

5374  FDI22: FF Aix (assumed) CW Marker after recent chg of ID. (MC)

5376  EIYX (Irish Navy LE Emer) 1139 USB Clg C253 (Irish Navy CASA CN-235)
No answer. Then Clg "Zero A" (Irish Military HQ) for radio check, No
answer. (ANEE)

5401  GS2 0017 USB w/B99, military sounding but unid. (AM)

5431.5  OSCAR 2300 USB w/heavy European accent w/kg unid a/c/w/interdiction
ops...Bosnia-related (TB)

5680  Rescue Y63 1635 USB w/Sweden Air Rescue. RC Rescue 137 1620 USB
w/Kinloss Rescue. RC (AB) SMG37 1600 USB Plymouth Rescue said that if SMG37
diverted to Northolt they wouldn't be able to land at Trafalgar Sq.
Plymouth is looking for alternatives. Kinloss Rescue USB w/kg Navy177
Kinloss couldn't contact Navy 177 so transmitted blind. Rear cargo
fire on 767, 40,000lbs over weight, routing at Glasgow. Kinloss
repeated when Navy 177 answered call and said "Pan 767, believed 159
pob. A few minutes later Navy 177 was stood down saying plane had
landed safely at Glasgow. (CH) Sweenden Air Rescue 0622 USB w/kg SAREX
MISSION 427. There is a German Sea King lifting at the site. He is on
CH 10 or 12. Kinloss Rescue 0630 USB & Alpine 23, 22 20, 21
checking in for wx info. Couldn't hear 20 or 21. Sweenden Air Rescue
0632 USB 1240 CW de NOJ (EW) (USCG CommSta Kodiak, Ak hLOGS)

5690  Irish Air Corps C253 (CASA CN-235 a/c) 1315 USB comms w/Baldonnel
(Military airfield nr Dublin) and EIYS the LE Eithne (Corvette) of
the Navy re fishery patrol. "OA" Irish Military, Dublin 1121 USB to
C253, (Irish Air Corps CASA CN-235) Msg regarding position of FGSM
(CM-775341) a French Trawler. (ANEE)

5694.7  NOJ: 1240 CW de NOJ (EW) (USCG CommSta Kodiak, Ak -LOGS)

5696  S3A 0211 USB w/CAMS/LANT, adv airborne from Tampa. V7G 0000 USB
w/CAMS/LANT for flt. ops normal. CG 2115 0002 USB w/CAMS/LANT for
flight ops. CG 1504 0028 USB w/CAMS/LANT for flight ops. S41G 0056 USB
clg any sta this net, radio check. CG 6017 0128 USB w/CAMS/LANT for
flight ops. CG 1717 0145 USB w/CAMS/LANT for radio check. CG 2126 0250
USB w/CAMS/LANT re SAR off Cape Cod. CG 1703 0257 USB w/CAMS/LANT for
flight ops normal, posn 38.40N 121.34W. CG 6035 0320 USB w/CAMS/LANT re SAR
enforc. in clr. CG 6009 2356 USB w/CAMS/LANT for radio check (AM)
J7W: 0258 USB w/CAMS/LANT, reports door open light, dropped altitude
& depressurized, on going from 0300z Commsta New Orleans also tried
to contact J7W. J7W rep't fixed wing, 7 souls on board, was adv by
CAMS/LANT to approach homebase landward side via Saulsbury,
thunderstorms etc in the area. (BZ) CAMS/LANT Chesapeake 0029 USB w/kg
CG 2112. CAMS/LANT Chesapeake 0103 USB w/kg CG 1720 - 1720 reporting
flight ops and posit. (DES) 29 Charlie 0244 USB w/kg CAMS/LANT w/flt
ops normal. CAMSPAC Pt. Reyes 0930 USB wkg Rescue 6036 qsy'd to 8.983
for radio check (EC1) CG 6014 2346 USB w/CommSta Boston, flt ops
normal. CG 6035 0323 USB w/ CAMSLANT Chesapeake accepting his guard
-- other information passed to Panther. NMC: CAMSPAC Pt Reyes 0332
USB clg CG 6008, req flt ops & posn report. (KW2) CAMSLANT CHESAPEAKE
1933 USB wkg CG HELO 6041 w/posn report. RESCUE 6030 2000 USB has FM
comms with Saint Petersburg & req CAMSLANT to secure their guard (MF)
Navy 807 1113 USB wkg Culdrose Ops, updated eta min 40. ZIG 0846 USB
wkg Culdrose Ops, informing ops of "impending arrival of T3H at 0935,
8 pob", is "ZIG" - GZIG a Royal Navy vessel?? CG 2115 2334 USB wkg
ComSta Boston, 5pob @ 41.50N, 70.23W for local training. (PR) Rescue
1703: USCG HC-130H 0214 USB wkg CAMSPAC Point Reyes, NMC, re is
airborne AirSta Sacramento on local trainer, req NMC take their air
guard. NOS: USCG AirSta Cape Cod 0220 USB Ma, US "Cape Air" clg
Rescue 2126 no joy. (RB)

5700 NIGHTWATCH 0459 USB wkg KINDLADY, DOCKHAND, good/readable (GG)
BLACKDOG 0537 USB wkg NIGHTWATCH 01. At 0544z, NIGHTWATCH 01 w/26-
character EAM, coincident w/GHFS rotation of same. At 1502z,
IMPROPER wkg NIGHTWATCH 01 w/attemped ANDVT comms; unsuccessful
- each reported only hearing "tones." NIGHTWATCH 01 2058 USB clg
SPACEACE. NIGHTWATCH 03 1412 USB clg NIGHTWATCH 01. Cochannel, a
very weak callsigned station also clg NIGHTWATCH 01, w/nothing heard.
NIGHTWATCH 01 0056 USB wkg QUANTITY (USN trained); moved to W101 at
0058z. At 1431z, very weak station clg NIGHTWATCH 01. Very weak
station 1628 USB (could not make out id) clg LONGEVITY. NIGHTWATCH
net active here, but all at very weak levels here. SYLLABUS 1428 USB
w/26-character EAM, simulcast on 5700 & 8968. String taken from 1434z
GHFS rotation of same. At 1638z, SYLLABUS tried and failed to raise
NIGHTWATCH 01, so he adv NW01 in the blind that he was going monitor
only for 1.5 hours, starting at 1700z. CLASSICAL 0200 USB wkg
NIGHTWATCH 01 & entering the net. Still active at 0300z. ASTROJET
1231 USB wkg NIGHTWATCH 01 in clear voice & ANDVT. TAXPAYER (USN
trained) 0547 USB wkg NIGHTWATCH 01, entering the net. AY4LUV...
"current traffic" (and the string being repeated by ELMENDORF at
h+21/h+40.) At 0600z, WAR46 wkg NIGHTWATCH 01 for a signal check and
gone. (JH) WAR46 2258 USB w/request for signal check...no reply (TB)

5710 ANDREWS 2358 USB working a SAM flight that sounded sorta like SAM 51
or (?). Both weak, with high natural noise level. Hard to make
out, pp to a DSN 856 number. (JH)

5711 CAPE RADIO 1159 USB radio-checking CGC Dauntless, KING 1, USS Taylor,
Freedom Star, & Liberty Star. At 1245z DOD CAPE advised launch was a
go for 1300Z. At 1300Z, DOD Cape advised the shuttle was having APU
problems, and at 1301Z DOD Cape adv all units an RTLF had been
declared. USS Taylor was advised to prepare their helo for launch,
but to keep it on-deck until advised otherwise, and CLEARANCE 1 was
also on-line. Main HF operations channel for STSh77 shuttle launch
failure exercise. (TT)

5714 ARCHITECT 2300 USB w/wx report for various sites...thought this had
switched to 5715??? (TB)

5716.5 FDG: French Air Force, Bordeaux, F 1957 CW "vvv vvv vvv de fdg fdg
fdg ar" marker (MC)

5717 CANFORCE 306 0308 USB clg Halifax Mil, no joy (AM)

5753 Turkish Navy 0000 USB tactical net is active during local daytime
w-switch to secure digital voice system. (CK)

5764 19E (RNZAF) 0800 USB working HOL and T87 - voice & data comms
-RNZAF/Singapore Airforce joint exercise. (AB3)

5800 QUANTITY 0101 USB wkg NIGHTWATCH 01. (JH)

5844 Unid tracking net 1937 USB Leader is P9Q. Others 4SF, 09F, B1W, EE
w/FF accent. Track reports (AB)

6502 TBB6: 0235 CW w/marker, clg TBB3 (AM) (Turkish Navy Ankara w/general
call to any Turkish warship - LOGS)

6550 PBK: Dutch Kustwacht, 0518 USB Ijmuiden, HOL, id'ing as "Coast Guard
Center" in EE wkg Coast Guard 03 adv unid callsign is on UHF only.
Coast Guard 03: Dutch Kustwacht a/c 0526 USB att to work PBK, no joy.
Dutch Kustwacht, 0527 USB "Savannah" relaying posn from CG-03 to CG
Center. (RB)(JP)

6683 SAM 973 0524 USB wkg ANDREWS. Departed ANDREWS at 0505z, in the
blocks at SHANNON at 1135z. ANDREWS 1929 USB wkg SAM 682. (JH) SAM
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WUN-v02


6691 LORDSHIP 0610 USB wkg TABULATE in voice & data. SPACEHEAD (sounds like) 1327 USB clg BOOMTOWN, w/nothing heard and out. (JH)

6712 Offutt, USA 2052 USB EAM AUUXDX 1900, req. meals. IFO 22 1740 USB wkg Croughton (C-130) pp DSN 480-8450 (EOC/Phantom): dep Zagreb 1015, arr LYBE (Belgrade) 1105 dep LYBE 1652 eta Frankfurt 1835. Same times for IFO23. Both IFO22 and IFO23 are on "change 1", Ron Frankfurt. I was surprised to hear C-21's on an IFO callsign! Spar 86 1609 USB wkg Croughton pp Andrews VIP: --> 667, heard Andrews clg on 6817, no Spar 86. 6712 again w/Croughton: pp EUCOM (UCOM?): abt privacy key & VIP crypto. Call again airborne. (BH) GOLD 13 0559 USB wkg ANDREWS. ANDREWS 0630 USB with 26-character EAM string at ANDREWS posth0600z h+30EAM 'repeat' time. String taken from the concluding string of a 20/26 character EAM set first best at 0433z/0450z by GHFS. ANDREWS 0630 USB w/26-character EAM, at ANDREWS posth0600 h+30 EAM transmission time, with the string taken from a 0543z EAM cycle. 7JD 0117 USB wkg ANDREWS w/pp to COMSUBLANT CWO ("broadcast supervisor."). Call again airborne.

Spar 86 1609 USB wkg Croughton pp Andrews VIP: --> 667, heard Andrews clg on 6817, no Spar 86. 6712 again w/Croughton: pp EUCOM (UCOM?): abt privacy key & VIP crypto. Call again airborne. (BH) GOLD 13 0559 USB wkg ANDREWS. ANDREWS 0630 USB with a 26-character EAM string at ANDREWS posth0600z h+30EAM "repeat" time. String taken from the concluding string of a 20/26 character EAM set first best at 0433z/0450z by GHFS. ANDREWS 0630 USB w/26-character EAM, at ANDREWS posth0600 h+30 EAM transmission time, with the string taken from a 0543z EAM cycle. 7JD 0117 USB wkg ANDREWS w/pp to COMSUBLANT CWO ("broadcast supervisor."). Call again airborne.

Highly Alpha activity. ANDREWS 0630 USB with 2 EAMS at ANDREWS' posth0600z h+30 "repeat" EAM transmission time. (JH) Cotam 3800 1450 USB to Willacolouby, one EVASAN on board. Reach 3643 1430 USB clg Croughton once. Cotam 1903 0835 USB from Dijon to Solenzara. FNY 5862 0830 USB. Cotam 2158 0840 USB Santa Maria to Evreux, "Bearn" squadron. Cotam 2470 0845 USB to Mont de Marsan. Cotam 2979 0900 USB to Brindisi. Cotam 2056 0845 USB from Newcastle to Inverness, then Dublin. Training flight. Cotam 1913 1009 USB from Lorient to Hyeres, crew 6, 37 pax, 3.7 tons cargo. Cotam 3406 1517 USB Istris-Orleans. Cotam 3084 1530 USB Grenoble-Orleans. IFOR 50 1020 USB to Mostar. Blue 21/22 1150 USB to Mildenhall. Cotam 8C5 1435 USB N-262 from Metz to Bale, req to go to Istris for new unspecified mission, then back to Toulouse. Cotam 1918 0830 USB to Waddington to Orange. Cotam 1141 0743 USB to Istris. FNY 5341 0750 USB to Nimes. Cotam 1051 0930 USB from Roissy to Djibouti, crew 11, 47 pax, 2.4 tons cargo. Cotam 3045 0935 USB from St Dizier to Incirlik. Cotam 3155 0945 USB from Istris to Florence, "Bearn" squadron. Cotam 3200 1620 USB from Sarajevo to Istris, 43 pax. Cotam 3042 1020 USB to Salon de Provence, crew 2312 USB pp H131 East + Metro, eta 0030z. To OBBs (Bahrain), then to Mildenhall via OMAM (Abu Dhabi).

(PR) Unid 1352 USB FF spoken, any help w/ID please. (French Air Force) Offutt 1905 USB w/AYYBN... Offutt 2008 USB w/AYN22... 4A6GN... (SB)

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(PR) Unid 1352 USB FF spoken, any help w/ID please. (French Air Force) Offutt 1905 USB w/AYYBN... Offutt 2008 USB w/AYN22... 4A6GN... (SB)
answer. Coincidently, the GHFS popped up with 26-character EAM, & TREEBEAM popped up w/the same EAM. At 1406z, BANKBOOK worked TREEBEAM & acknowledged his traffic. ANDREWS 0551 USB clg SPAR 43.

At 0601z, weak FF comms on freq. CLASSICAL 0157 USB wkg NIGHTWATCH 01. TAXPAYER 0547 USB wkg NIGHTWATCH 01. NIGHTWATCH 01 2016 USB clg MEMORIZE. ATTENTION 1927 USB wkg NIGHTWATCH 01 to exit the net. (JH)

NIGHTWATCH 01 2012 USB wkg PRESSCAR, fol by OVERLORD who reports NIGHTWATCH is fair & readable. NIGHTWATCH & PRESSCAR played channel tag on these designators X903,X904,W108,P381,S309,W114. Andrews 2044 USB w/pp for REACH 91117 to Charleston meteo & CP. Andrews 2048 USB w/pp for 6 YANKEE LIMA to DSN# 831-3115 NAU PUERTO RICO NAVCOMSTA. (MF) SAM 375: USAF Special Air Mission 0522 USB a/c wkg Andrews VIP w/signal ck's. Navy 676: 1935 USB wkg Andy to adv is on the deck unid loc W/DV3. SPAR 65: 2355 USB wkg Andrews w/pp PHANTOM w/ETA. (RB)

Andrews (VIP) 0445 USB radio-checking NAVY 496 & maintaining comms w/them. At 0620z, Andrews (VIP) also started maintaining comms w/SAM 20_ (either 202 or 203, I was half-asleep!), via a different transmit site. (TT)

6731 Andrews VIP: 0602 USB clg/wkg 54440 w/pp Andrews meteo re wx LQSA 0735z, later QSY to 465, 295 (nothing heard on either). (RB)

6738 ANDREWS 0444 USB as lead GHFS station, & off frequency, w/26-character EAMqrming it’s multisite xmsn on 6739, probably keying ELMENDORF site. At 0448z, ELMENDORF w/FOXTROT broadcast (AME 48 UX).

ELMENDORF remained on this freq for sometime past this, including using 6738 for ELMENDORF's h+21/h+40 "repeat" EAM broadcasts. (JH)

6739 Albrook 0034 USB clg ALPHA HOTEL FOXTROT 5 Unit 2. A few minutes prior to this trans., and on 11175, Albrook told AHF5 to meet them on 6739. Anyone know who these 3 letter, and 1 # c/s are? (BWS) Offutt 0031 USB answering unk sta clg, no response (DES) NT 0800 USB clg Lajes, then Main Sail as NT4W then Elmendorf, no joy on 011. Op was screaming at top of lungs like it would help. DOORPLATE (sp'd phonetically) 0805 USB wkg McClellan for NW01 freqs P=30W100 S=3DS304 Heads up Jeff. NT4W 0810 USB wkg McClellan for pp to HOG for ops normal, still yelling :-). (ECI) Offutt 1440 USB w/"For Story, SujHRC...offutt, Hickam 1517 USB for THRICE 5UPBUM...same at 15:18.

REACH 50254 0410 USB clg McClellan (EG) THULE 0145 USB w/20/20/26 character EAM set taken from a 0130z+/h GHFS rotation of same. Starting at 0221z, ELMENDORF caught w/repeat' broadcasts of this 20/20/26 character set at h+21/h+40 through 0340z. At 0241z, ELMENDORF w/FOXTROT broadcast echo. At 0355z, ALBROOK clg McCLELLAN w/an "all frequency request;" message to MCCLELLAN: "Station does not have DSN capability." (On 15016.0 at 1534z 13 Apr 96, ALBROOK worked MACDILL advising MACDILL to call D3S on 11175 for pp to a DSN 564 number, as ALBROOK is not DSN capable). At 0419z, REACH 110XX wkg LAJES w/pp to HILDA EAST trying to get hours of operation for GFLL "light" (only REACH 10XX, just ex GFLL). "Hi, ops normal" w/req for fms & adv REACH 110XX that GFLL was now open 24 hours; and passed wx for GFLL. REACH 110XX was going to FREETOWN (GFLL), then shortly departing for GOOY (DAKAR). Evacuation flights for U.S. nationals fleeing Monrovia, Liberia. REACH 129XX 0232 USB wkg LAJES. At 0452z (and other times as well), HOIST 07 wkg LAJES w/various pp's regarding REACH ###XX flights, & chatter about Canary Island airspace & air routes. THULE 0145 USB w/20/20/26 character EAMs (one taken from a GHFS 2355z rotation). Minutestamp is apparently a replacement time for one of THULE's h+27 'repeat' EAM times. SPAR 43 0614 USB wkg THULE. GLASSFULL (very strong, U.S. trained) 0354 USB wkg OFFUTT, getting working fms for NIGHTWATCH 01: W105/X903.

NIGHTWATCH (no suffix) 0415 USB working ANDREWS. ANDREWS requested that NW01 check ANDREWS on "Seven nine one nine five." EQUALITY 0445 USB clg MAINSAIL for a radio check; answered by LAJES. PACAF 01 1252 USB wkg MCCLELLAN, w/pp to ANDREWS re the use of F267. FISHPOND 0615 USB wkg HICKAM w/pp req for working fms for NIGHTWATCH 01. At 0627z, FISHPOND works HICKAM, and places a pp to a DSN 339 number (OPCON.) At 0643z, FISHPOND raises HICKAM and tells HICKAM that FISHPOND is responding to an 'all freq request' of ANDREWS (unheard here); HICKAM out. LD585 0527 USB wkg THULE w/pp to DSN 831 number at ROOSEVELT ROADS, w/"ops normal" message for BLUESTAR. LD585 was having problems raising BLUESTAR via his other channels. TURBO 52
HEAVY 0454 USB clg OFFUTT; raising THULE (with remote site key-down tones) w/pp to ALTUS AFB COMMAND POST. ANDREWS 1228 USB as lead GHFS station, with 20-character EAM "FOR ABSTINENCE. REGISTER 1928 USB w/a number of EAMS, // on 6739 & 11244, all leading the GHFS broadcast of same. ANDREWS 0340 USB as lead GHFS station, w/20hcharacter EAM "FOR TACAMO LANT PRIMARY." At 0435z, ANDREWS w/a 20/20/26 character EAM set over a 10 minute period. At 0512z, a very weak ELMENDORF up w/the concluding string of the 0435z+ 20/20/26 character EAM set and repeating it at 0540z. HOTCAKE 0536 USB wkg THULE w/pp to a DSN 342 number id'd as "VQ4 DET OPCON." Some brief technical chatter, but patch was not successful, so HOTCAKE broke off stating he would complete the call by other means. OUTPOST 1048 USB wkg MCCELLELAN w/pp to a common DSN 339 number id'd as VQ4 OPCON. (JH) Navy LV660 1615 USB clg Mainsail. Reach 518XX 2205 USB 40638, to Freetown, diverting to Moron, Aviano or Rota because of EGT problem. Cleared to Rota by Hilda east. (JP2) Incirlik GHFS 2043 USB 5UCPBM...after Lajes GHFS. REACH G5 2116 USB clg Mainsail -radio check. REACH 8V3 (C17 # 30603) 2233 USB wkg unid w/pp Lajes CP, ETA 0145z req. room res. 7 crew (2 f), cargo and mail + hazardous cargo type 9, 2.1, 8, 3, 2.2 (lithium batteries, lead acid batteries, flammable liquid, compressed air. 37773 2305 USB clg Mainsail for pp, ETA 0100z req power cart & 20,000 lbs fuel. Also requires maintenance freq. but Lajes maint. radio is down. Request wx for ROTA. EYETOOTH 0335 USB clg Lajes, req NIGHTWATCH frequencies, Lajes says primary X210 secondary S312 and NIGHTWATCH is up and running 32500. NOTRUMP 0520 USB clg Lajes who req. QSY to 8968. REACH 504XX 0622 USB wkg unid w/pp Hilda East req fuel for 504XX and 503XX. RAFAIR 4K04 1041 USB clg Architect, req. TAFs for LCRA LCLK LCPh HECA. Architect 1320 USB clg 9UD, req QSY to UA & call Neatishead. ARCHITECT 1330 USB clg Architect colour states. Navy LV660 1613 USB clg Lajes, then Mainsail, w/request (no response - massive signal here). IFN 17-1714 USB wkg Architect qsy to 9031 obscured by 2 simultaneous EAMS to 6ABW form Lajes and Incirlik. MN800 2220 USB clg Mainsail, Incirlik answers, for meeto pp. AIRBACK? 60147 2326 USB clg Lajes no response. ASCOT 5917 0035 USB clg Architect, req wx. SN147 0230 USB clg MacDill, who req QSY to 11175. ADMO 0300 USB wkg Ascension, pp to RAIDER, posn 1511N/07023W, course 235 deg sp 11.4 kts seastate 3 dir E. W.speed 15kts dir E closest ref point Aluva? range 157NM bearing 173 eta? 1530 25 April based on 10.5 kts dep. Panama 27 April 0600 hrs -arr Belize city 1 May - dep. 2 May pm Belize city - arr. Porto Cortez Hondo. 2 may pm - dep. Porto Cortez Hondo 3 May - arr Panama 7 May-Rockage 8 May. (see 11175 for ID -LOGS) REACH 50235 0300 USB req pp AF? (not spelled) 466 (unheard) 0316 USB wkg Lajes, looking for VIP? pp to Andy who req come up on 957 then 920 upper. Andrews putting a directional antenna on 920. Andy drops out, Lajes req QSY to 8968. Magic 89 1135 USB wkg Architect for pp Brize Ops (RAF Brize Norton) eta Brize 0100z, then qx to Edinburgh. Wx for both taken. Magic 89 1135 USB wkg Architect. Architect asks if ‘89 has an extension at High Wycombe - no. Listening on freq. McCellan 2250 USB w/ "FOR TORCHBEARER, SUGIZP (+14)". (PR) Reach 70029 2339 USB wkg Thule, Req.wx KNHZ for 0230 (Brunswick NAS). (RC) USAF MCCLELLAN wkg Reach-14FH asking about "MHSC" and "MHLF" both in Honduras i belive ????? (SB) ABOON 63 0419 USB reporting Operations Normal, negative-relay to Hickam GHFS. BASE DRUM 0452 USB calls MAINSAIL & is answered by Thule GHFS. BASE DRUM wants the current working freqs for NIGHTWATCH. BASE DRUM had some interesting background noise, like he was in an APC or tank! BASE DRUM muttered that special word only used by "USN trained" operators, interrogative! ;) TURBO 68 0434 USB clg Offutt, req "traffic." Offutt GHFS finally heard them, and read off the current status header. Turbo 68 didn’t have that EAM, so Offutt broadcast the 26-item message to 68. TURBO 68 the adv operations normal negative relay & thanked Offutt. (TT) THULE: 2155 USB 716, time 55, auth. Ju. (PR)
ALTUS COMMAND POST 0217 USB active on freq. TURBO 18 active on freq. At 0228z, ALTUS COMMAND POST clg 83 (could not make it out), then "any ALTUS aircraft." From 0230z, GASER 53 clg 83. (JH) Exxom 6 0805 USB clg Exxom 11/12. Casey 01 1345 USB in Gatwick. (JP2)

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Andrews for pp. Andrews 0127 USB wkg Spar 76 qsy'd to discrete of 9016 for pp to CP for update. Occasion 0237 USB wkg CH 1120 x 8904. NW 01. Andrews 2102 USB w/pp for 7 LIMA 34 to Brunswick meteo (7 L 34 is a BRITISH NIMROD). Lajes 2106 USB w/pp for ASCOT 5925 to Rogers meteo. Lajes 2106 USB w/pp for ASCOT 5925 to Rogers meteo. Lajes 2106 USB w/pp for ASCOT 5925 to Rogers meteo. Lajes 2106 USB w/pp for ASCOT 5925 to Rogers meteo. Lajes 2106 USB w/pp for ASCOT 5925 to Rogers meteo.
WUNhv02

8992 Navy G72 14343 USB clg Macdill (EG) Ascension 0330 USB clg ADMw, no joy. (Kw2) SAM S18: 2218 USB wkg Macdill GHFS w/pp to Andrews VIP re them on F287. AAEI: USAV Churubasco (LCU-0213) 2329 USB wkg Macdill GHFS w/pp AAC2, Harbormaster, Ft Eustis, Va re posn/status report. KINGFISH 99: 2332 USB wkg Macdill GHFS w/pp to DSN 576-2227. (RB)

9011 NIGHTWATCH 01 2304 USB clg Croughton GHFS no joy. (BWS)

9011.4 RAZORBACK 2245 USB wkg GOLDEN GRIZZLY coordinating "tonight's event." Sounds like tracking-net type activity. Said visibility was "6 nautical miles." (JJ) (GOLDEN GRIZZLY is a USN static call suspected of being the USS California CGN-36 -LOGS)

9013 AWACS activity: 16389 USB DARKSTAR NOVEMBER; BANDSAW JULIET; DRAGNET SIERRA. SIDECAR USB wkg 9WT; 4HH; & YOOU (YANKEE ZERO UNIFORM). (JH)

9014 RAYMOND 07 1723 USB clg ONE ONE. (JH)

9016 Macdill 2343 USB putting NW01 through to NW02. NW01 adv they would meet NW02 on X-904 (this same freq.) and would maintain this as a line for the watch officers. (BWS) WAR46 0330 USB wkg ? moved to X-209. NIGHTWATCH 1 0358 USB wkg & QUANTITY about copy of SUGVC. NEIGHBOR 0358 USB wkg QUANTITY went to green comms (tone followed by screech) then back in the clear, test OK. (EG) SPACEACE 2101 USB clg, but not hearing NIGHTWATCH 01. BRUSHWOOD 1455 USB wkg NIGHTWATCH 01, & entered the net. At 1458z, NIGHTWATCH 01 worked BANKBOOK. Active net today: NIGHTWATCH 01; TREEBEAM; LANDMINE; BANKBOOK; BRUSHWOOD.

9017 Macdill 2343 USB putting NW01 through to NW02. NW01 adv they would meet NW02 on X-904 (this same freq.) and would maintain this as a line for the watch officers. (BWS) WAR46 0330 USB wkg ? moved to X-209. NIGHTWATCH 1 0358 USB wkg & QUANTITY about copy of SUGVC. NEIGHBOR 0358 USB wkg QUANTITY went to green comms (tone followed by screech) then back in the clear, test OK. (EG) SPACEACE 2101 USB clg, but not hearing NIGHTWATCH 01. BRUSHWOOD 1455 USB wkg NIGHTWATCH 01, & entered the net. At 1458z, NIGHTWATCH 01 worked BANKBOOK. Active net today: NIGHTWATCH 01; TREEBEAM; LANDMINE; BANKBOOK; BRUSHWOOD.

ANDREWS 2044 USB wkg SAM 376. Maybe other SAM flights on freq as well during local afternoon. NIGHTWATCH net 0226 USB NIGHTWATCH 01 wkg "(could not make it out) with NIGHTWATCH 01 responding to a data request that he (NW01) was currently at "saturation." NIGHTWATCH 01 1747 USB wkg unid station (could not make it out.) The NIGHTWATCH opr worked a later-in-the-day shift a week or so ago. TRADESMAN 1418 USB clg NIGHTWATCH 01, with no response. CURLYTOP 0107 USB clg/wkg NIGHTWATCH 01 for a signal check. REGISTER 1810 USB clg NIGHTWATCH 01, & wkg unid station (could not make it out), and going through challenge process. The weak station may have been exiting the net, and REGISTER was acting in the place of NIGHTWATCH 01. At 1820z ANDREWS wkg EXECUTIVE ONE FOXTRIX. At 1841z, ANDREWS advised E1F that CROWN wanted to know if they were up on NATIONALWIDE. Negative; use other circuits, "do you want the numbers?" Told CROWN to use INMARSAT and/or AIRPHONE "For a/c 375." ATTRACTION 1924 USB clg NIGHTWATCH 01. REGISTER 2015 USB wkg MEMORIZE. (JH) NIGHTWATCH 01 0142 USB radio-checking TANK CAR cleat voice & ANDVT. 01 handed-off primary NCA ABNCP mission to 02 at 0354z, at which point they flip to 01 suffixes. (TT) SALESMAN 2340 USB clg NIGHTWATCH 01. "Interrogative - how copy my traffic?" EAM 67V3YF repeated for NW01. NW still v. weak. (PR)

9027 ANDREWS 1345 USB wkg SAM 201. (JH) SAM 201: USAF C-20B tail 86-0201 1516 USB wkg Andrews w/pp for wx, active runways at unid loc. At 1525 w/pp ROYAL CROWN who adv them to come up ch.9 on 1174. (RB)

9031 Ascot 4806 0923 USB wkg Architect (C-130, XV200) dep Bruggen 0855 eta Akinci 1400 selcal AJCL standard relay k. The spokesman spell the destination AKINCI, he had no ICAO identifier at hand. I checked my recent DoD flip, he had no ICAO identifier at hand. I checked my recent DoD flip, it says Akinci is LTAE, when I looked that up in the ICAO doc (from 1992) with these ID's it came up with Ankara/Murte. Changed names since then? Habit 1521 USB wkg Architect pp .... ext 7088, pp unworkable. RFR 3C formation 1308 USB wkg Architect (Wessex, 60 Sq.?)/c weak. Strange, usually there are to figures following the '3C' bit...Ascot 1511 1352 USB wkg Architect (VIP) no joy. S9W 1347 USB wkg Architect (Nimrod?) Italian wx (BH) Ascot 4913 1025 USB testing Selcal on AJ-BG. IFN 35 1025 USB testing Selcal on CF-DE. (JP2) IFN 80 1443 USB wkg Architect. Departed SPLIT eta Aviano 15:45/50. Selcal = AJ-BG. IFN 55 1301 USB & Architect. Wanted wx for Bruggen. (SM)

9034 Tracking net 1215 USB mixed American & British accents. All using phonetic c/s's ( India, Golf, November, etc ). I WUNDER if this might be part of the exercises going on around the mid- atlantic states.

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WUN-v02

(MD) Unid net 1801 USB really busy at this time, sound like JTIF op's. (PC) Link 11 Net: 1645 USB w/PAPA, INDIA, IS, IG, others, w/some British accents relaying track ID's in Link-11 coordination net probably related to U.S./British Combined Joint Task Force Exercise 96/Exercise Purple Star 96 due to British voices hrd. (RB) INDIA, PAPA, DELTA, INDIA GOLF, KILO etc 1622 USB w/multinational Link-11 voice coordination net. At 2234Z, RENEW 51 contacted WOT and advised "200 at 30 nautical miles." (TT)

9043

USS Taylor 1121 USB radio-checking DOD Cape, KING 1 calling HAWKEYE, w/no answer. DOD CAPE adv KING 1 that HAWKEYE would only be up if "we went into mode (code?) 8." USCGC Dauntless called USS Taylor & requested to know Taylor's fuel pressure. Taylor adv 45 PSI. At 1135Z DOD Cape adv all stations that there was a launch delay of 45 min to an hour. At 1142Z, DOD CAPE contacted KING 1 and advised them that between 0900 & 1000 local, two Navy a/c would be dropping explosives into the water in the vicinity of (USS) Taylor, and that the explosives would not be detonating until around 1100L. The two USN a/c would be using callsigns (sic) NIMROD & WATERBUG, & that they would be monitoring HF 4805 & 2716, & UHF 383.4 + 310.2MHz. 1159Z CAPE RADIO calls Liberty Star & Freedom Star, and advises them to QSY to 5711, & that they'll have a separate net there for them and KING 1. (TT)

9120

Executive 1 Foxtrot 0034 USB wkng Andy w/pp SAM COMMAND re is airborne. (RB)

9320

ANDREWS 0525 USB wkng an unheard SAM 973. (JJ) SAM 021 2308 USB wkng Andrews on F616 w/pp Howard meteo. (JJ)

10767

AJO: USAF Incirlik, TUR 1100 ISB w/voice on LSB, VFT-6028 on USB, wkng NSY Sigonella, Sicily. (JD2)

10780

King 63 2235 USB wkng Cape Radio for pp Rescue Ops (854-8863), '63 discovers radios are u/s at Ops - will call again later. (PR) CLEARANCE 21 1730 USB clg CAPE RADIO for a radio check "on net 6." No answer. Sometimes it sounded like 21 was calling himself CLEARANCE, other times it sure sounded like BARRACKS! (TT)

10972

NSY USAF Sigonella, Sicily 1100 ISB voice on LSB, VFT-6028 on USB, wkng AJO, Incirlik. (JD2)

10996

FD122: French Air Force, Aix 1603 CW "vvv vvv vvv de fdi22 ar" marker (MC)

11056

SAM 973 0703 USB w/Andy w/pp SAM Command to report their arrival at 0700z, after flying 285 miles. Sec of State Warren Christopher flying from Damascus to Tel Aviv. (GT) SAM 202 2221 USB wkng Andrews for pp DSN 842-xxxx or a commercial no. re eta destination 1810L. (PR)

11059

IFO 40 1422 USB w/Andrews GHFS, w/pp to Ramstein Metro for wx at LHBP (Budapest) at 15.30. Odd freq for a non VIP flight, probably being used as an Andrews GHFS discrete. (GT)

11059

Spar 66 1607 USB w/Andy, req pre-flights, given 117u/290u/365u as prim./sec./backup. They reported that they departed UTC (Tashkent) at 1537, & reported their arrival (didn't say where!) at 17.14z. (GT) SAM 201: USAF C-20B tail 86-0201 1629 USB wkng Andrews w/signal ck's on F365. (RB)

11118

SAM 28000 1457 USB w/Andy. radio checks. SAM 28000 1613 USB (28000 is AF1) AF1 to CROWN, then wants connect to CARPET(?) after failures, gets thru to ROYAL CROWN (16.32z), gets patch to CROWN. AF1 calls CROWN 'AFOC', reports departed Moscow at 16.05z, eta KADW 02.00z. SAM 28000 1830 USB AF1 and Andy QSY to 461u. (GT)

11175

Reach 30604 2225 USB wkng Andrews w/pp. Offutt,USA 2221 USB EAM AYERFD. QUID 93 2229 USB w/Andrews w/pp. Reach 533XX 2212 USB w/Andrews, pp to Mildenhall. Offutt,USA 2219 USB EAM AYPNPSL. (AB) QUID 93 1933 USB arrival Mildenhall 2320 GMT with injured man on board w/pp through Incirlik. (AD) TURBO 91 0007 USB w/Ascension, pp McConnel CP. SAM 206 1557 USB w/ALBROOK, pp ANDREWS VIP. ADMO: 0300 USB w/ASCENSION, pp to RAIDER (AM) (ADMO=USAV E1 Chaney LCU-2012 -LOGS) Reach 110-1038 USB wkng AGA2 Hickam AB w/posrep (AW) IFO 60 0941 USB ->13200. Reach 7F5 2139 USB5 Ascension pp Rota PMSV, pirep 39n 6.06e (a/c unr). Reach 90017 2144 USB wkng Ascension (C-5A) pp Dover PMSV wx westover + en route turbulence (a/c unr). Shuck 18 2148 USB wkng Ascension nh (a/c unr). Raider 57 2156 USB wkng Ascension pp Lobo (a/c unr). EV18 0905 USB wkng Incirlik (US Navy?) pp DSN 624-5286 (Sigonella PMSV): req wx Sigonella 1430 and current -> 15016 ->11244.
(Croughton). Reach 520BG 1104 USB wkg (C-141) pp ...., C-141, tailnr. 60178 eta 1245, req 65k fuel. IFO 02 1116 USB wkg Croughton (IFOR) pp Ramstein CP, DSN 480-2121: arr QTZ 0928 dep 1025, eta Ramstein 1230, contact the 86th AMS to arrange transportation for 3 litter and 9 ambulatory patients. Any ideas on QTZ? Could it be TuZla? Snoop 56 1339 USB wkg Incirlik (C-135, 55 W) pp Banter. Incirlik didn’t know Banter, pp DSN 238-2733 (95th RS): relay to the recovery officer (name) eta 1540, ops normal. Reach 50009 1527 USB wkg Incirlik (C-5B)pp PMSV wx .... 2100: We're over Saudi Arabia, do you really want a pirep? Reach Z1 1528 USB wkg Incirlik (C-141B)pp Hilda East: tailnr. 60161, etb OEDR (Dahran) 1800, A2 nr 1 VOR, nr 2 HF :-(, pp Hilda PMSV wx OEDR, OBBI (Bahrain), DERN (Riyadh, King Khalid) 1800. Reach 3V1 1528 USB wkg Incirlik (C-5A) pp Hilda East: C-5 tailnr. 90010, inbound Aviano for quick turn, then Lajes, confirm ron Lajes: yes. pp Hilda PMSV wx Aviano 1730. pp Aviano CP: same, now sayin ron Aviano! Reach SA27 1558 USB wkg Mainsail no joy. strange c/s. Reach 101DT 1619 USB wkg Croughton (C-17A) pp PMSV wx Ramstein 1945, pirep: C-17 f1310 3545n 2215e. Reach V5 1641 USB wkg Croughton pp USAFE PMSV wx Sigonella 1900. pp DSN 624-5578 (Sigonella ATOC): eta 1900. Reach 100M 1051 USB wkg Incirlik pp Ramstein PMSV wx Frankfurt 1255, also wkg Andrews, Ascension ->15016. Reach 7F8 1036 USB wkg Incirlik (C-141B, 67-0025)pp Sigonella ATOC: eta 1305. pp PMSV, wx LICZ, pirep: C-141, f1350 (couldn't read position, too weak). Reach 7F8 1036 USB pp Rota ATOC: eta 1800, tailnr. 70025. Reach 00535 1036 USB wkg Croughton (C-17A, 90-0535)pp USAFE PMSV wx Ramstein 1315, pirep: C-17, f1270, 4346n 018.09e, coming out of Lajes. Airevac 10E1 1329 USB wkg Croughton (C-9)pp 86 AME: abt patient transportation, eta Rota 1415. Reach 81411 1323 USB wkg Incirlik (C-141B, 66-0149)pp Hilda East: tailnr. 60149, eta LTBA (Istanbul) 1420, A1, user req. dep. LGAD (Andravida, Greece on the 31st of march: call again later). pp PMSV wx LTBA 1400. Reach 11S2 1809 USB wkg Ascension (C-141B)pp Ramstein CP: dep Aviano 1735, eta Ramstein 1945. pp PMSV wx ETAR 1940, pirep: C-141, f1350, 45n 11e. Titan 82 1829 USB wkg Ascension (C-130, USMC)pp Lajes PMSV, wx Lajes 2100. Reach 4W6 1657 USB ...nothing heard. Reach 7W8 1701 USB wkg Croughton (C-141B)pp Ramstein ATOC (nh). pp USAFE PMSV, wx Ramstein 1830. Pirep: C-141 4506.2N 1222.5E. Flash 04 1729 USB wkg Incirlik (MC-130E?) pp Dhahran PMSV wx 1830. No pirep (BH) Unid DOOM # (5-52H out of Barksdale AFB) 1359 USB w/p via undi to MUDBUG Control (Barksdale). MUDBUG advised DOOM they could stay at Dyess AFB overnight. The reason, "the B-1's are grounded today". NIGHTWATCH 01 2315 USB wkg NW02, adv meet them on W-110 (15449 USB). HOBBY 71 2140 USB w/pp to FOXTROT at DSN 597-XXXX. FOXTROT advised "you are good to go at Mansfield ... AnyWUN know who HOBBY is? (reported as C-130E from 403rd AW/815th ALS, Keesler AFB, MS -LOGS) LONGEVITY 01 1430 USB wkg LONGEVITY 02, appeared to be STRATCOM station. LONGEVITY 01 (or 02) gave the same freqs. for NIGHTWATCH (Primary: P-381, Secondary: X-209). Both stations then went "secure", & ANDVT traffic followed. After ANDVT traffic, PAINT HAWK called LONGEVITY (no 01/02 attached). I've heard c/s LONGEVITY used long ago, but does anyWUN know what's up with the 01/02?? BTW, PAINT HAWK may be PINK FOX, PAINT FOX, etc. CHALICE ALPHA 1605 USB wkg MacDill req pp. (BWS) OPEC ? 45 1455 USB w/MacDill w/pp to McGuire CP. Unusual in that OPEC 45 was put on hold w/music being played for several minutes over the air! (BZ) Epic 99 2133 USB wkg Andy w/pp to MANIC CONTROL (Bangor). Also Epic 99 req wx for St. John's & Stephenville, NF. (CM) Reach 102ET 1110 USB wkg Incirlik AFB Turkey for pp to Rota Spain Metro. Then pp to Hilda East. Croughton UK 1907 USB w/Mainsail bcst. Then requested disregard and started over. // 6712. Andrews AFB, MD 1914 USB w/Mainsail bcst. Believe this is the first time I have heard Andrews here in Italy. (DES) TUFF-14 B-52H 1558 USB wkg pp with Barksdale AFB Meteo, through MacDill AFB, FL. KING 64 USAF C-130H 1614 USB wkg Albrook AFB for pp. JAMBO 30 B-52H 1646 USB calling MAINSAIL, no joy. (DW2) SAM 20603 2128 USB Clg in the blind. Ascension Global 2134 USB wkg PRIMO 21 w/qsy to ? Shark 38 2231 USB wkg Albrook for pp to Howard metro & then to Raymond 09. Adios 73 (spelled) 2236 USB wkg Albrook for pp to GACC at DSN 576-xxxx who id'd as HILDA. Shark 38 2302 USB wkg Albrook w/pp to undi metro and Raymond 09. Offutt 2303 USB w/EAM 3BAARM 26 character
followed immediately by Foxtrot HQF 06 EI (ECL) Reach 7038 1405 USB c/w MAINSAIL. RSH 1408 USB c/w 7NP then 'any station this net' no contact. OverRide 1430 USB c/w MAINSAIL, MacDill ans. Reach 38976 0134 USB req wx McChord AFB. Reach 157X 0323 USB pp Hilda East re: ETAR 14 pax. MacDill 0323 USB w/k Reach 43384, moved to 8992. AAMU? 0340 USB pp via Ascension (EC) (not a known USAV c/s - LOGS) SAM 376 1218 USB w/Croughton w/pp to Andrews VIP. '376 is asked to qsy to 311u. (SAM 376 is C-135E 00376 which used to be w/HQ Space Command, and use the c/s 'Space 01'). SAM 376 1221 USB w/Andy w/pp's to various Andrews AFB DNS's. Apparently, somewhere in Europe, and were going to be at Brindisi on 8th April, and wanted to make Brindisi aware of their plans to RON. SAM 376 1458 USB w/Croughton w/pp, to DSN 858-xxxx to report that they had problems with their Austrian overflight permissions. SAM 376 0851 USB w/Croughton, pp to Metro for wx at LIBR (Brindisi) at 14.20z. 08.53 p-p to Andrews VIP, '376 is requested to QSY to 52U. SAM 202 1048 USB w/Croughton (moved here from another freq) with a p-p to USDAO. Their eta is 14.20, but may arrive early. SAM 202 1052 USB SAM 202 asks Croughton to 'assume their guard' for '202 as they have lost contact with Andy. '202s approx posn is given as 37N 25E. (GT) DARKSTAR SIERRA 1806 USB wkg MACDILL w/pp to a DSN 884 number. NIGHTWATCH 01 1949 USB calling MCCLELLAN; nothing heard and gone. MOTOWN THREE 1318 USB c/w MAINSAIL. Nothing heard and gone. At 1323z, SPACEHEAD wkg ANDREWS w/pp to a common DSN 339 number, id'd as DOORKNOB. SPACEHEAD asked DOORKNOB to have BOOMTOWN come up on CHARLIE ALPHA or CHARLIE BRAVO. RSH 1311 USB c/w 7NB, w/ALBROOK c/w & w/k RSH. Untid station 1454 USB (could not make it out, but sounded like USN opr) w/kg ALBROOK w/pp to something sounding like GROUP KEY WEST. (USCG Grp? - LOGS) CRIL3I... at 14162+/- OFFUTT w/ a "FOR 6ABW" EAM. As on 17 Apr 96, the concluding "FOX 6ABW" strings hit at around 1647z & 1713z w/numerous 20 & 26 character EAMS. GOLD 11 1339 USB w/kg ANDREWS, asking ANDREWS for "HF traffic" & advising that GOLD 11 had "SUN" (the first 3 characters of a 6 character EAM preamble.) ANDREWS advised GOLD 11 that there was no "current traffic." A tanker looking for an EAM. OFFUTT0012 USB, as lead GHFS station, w/ 98-character EAM: 5TSZ6L. OFFUTT 1511 USB as lead GHFS station w/ 126-character EAM: CRT6NL. TURBO 90 0003 USB wkg MACDILL w/ an "Ops normal; negative relay" message. MACDILL acknowledged the message, then adv "No current traffic." TURBO 90 requested something covered by atmospheric qrn; MACDILL replied a moment late w/"AYT4HB". This was the preamble to a 20-character EAM first broadcast on the GHFS at 1857z, and repeated at h+00 and h+30 by a callsigned station on 11244/9869 during the duration of the "Exercise Inject" event of that day. Some of the tankers are now openly confirming their "current traffic" (EAMS) on the GHFS. At 0042z+/- OFFUTT as lead GHFS station, w/26-character EAM: AYPA5L. Adv "Offutt was back up w/"GHFS" message. This h+51 min timestamp (+/-) seems to be hit heavily w/ this kind of traffic. AMUR ECHO 7 1430 USB w/kg ANDREWS w/pp to TACC (Americas Cell) re EXERCISE CRISIS 'something (maybe One)' Nine Six Zero Three. AMUR E9 w/kg ALBROOK w/pp to HILDA. MACDILL 1355 USB responding to a MCCLELLAN "all freq request", raised MCCLELLAN, then moved to 11181. QTRK 1414 USB w/kg OFFUTT w/ a pp to a DSN 433 number (probable OCEANA NAS), id'd as HOTEL ZERO GOLF (probable static call?). JAKE 11 (sounds like in qrn as I type this) w/kg OFFUTT for "traffic". OFFUTT adv 673SIQ, and "ONE ONE" was gone. (JH) Sam 375 2110 USB c/w Ascension. Reach 6R2 2110 USB c/w Ascension. Reach 521XX 0845 USB req Stuttgart and Mildenhall wx. Reach 7F5 1415 USB N60202, from OJ2X to Dharams, A1 (OJ2X is in Jordan). (JP2) REACH Z1 2107 USB c/w Andrews, no joy. REACH 2J2 1953 USB w/kg MacDill for pp. REACH G3 2101 USB w/kg unid w/pp. (KS) Reach 140PE 2340 USB w/kg MacDill, no joy but answered by Ascension. At 0018, pp DSN 875-xxxx, Sand Castle regarding helo ops. Reach 45XJ 0025 USB w/kg Ascension, pp's to Hilda America, Pope Metro -- C17A acf located at N41,21 W07,35
flt level 31K. Reach 140PE 0039 US w/Ascension, pp Lobo -- entered Central America control area. Opset 61 0043 US w/Ascension, initially called mainsail -- req HF traffic & adv after pause by Ascension that they had no traffic. (Kw2) (probably UPSET 61 -LOGS) B2G USN submarine wkg COMSUBRON 8 via ALBROOK GLOBAL p/p. Coordinating BRAW?

Ankara. Aircraft landed (at Ankara, Turkey?) during pp. (RC) M90027 1757 USB wkg Croughton/p/p to Metro wx for Ramstein ETA 1915 pirep C5 pse 5134N0237W F330 (RD3) REACH 30359 1900 USB w/pp to computer flight planning. He had a problem w/ the last page of his flight plan as it was not the same plan as the first 3 pages...was concerned about de-confliction w/ the NAT. REACH 50254 1915 USB w/pp to Dover Meteo. SCALP 13 (B-52) 1924 USB clg for Andrews (SCALPs have been busy out of RAF Fairford). SPAR 85 1946 USB wkg ASCENSION. Unid Reach flt 1815 USB wkg Ramstein Meto for a 1950z arrival. They also wanted an ATOC (??) freq. JM269 1959 USB w/pp via ANDREWS. Rhoda wx for a 2145z arrival. REACH ZI 2107 USB clg for ANDREWS. No answer. HAWK 03 1100 USB w/pp via Andrews to Raymond 37. Arranging a new RV for fuel. "66" 1505 USB wkg Croughton re system testing on "the same freq as last-time?" "Roger 66". 66 had just dropped his party off a LHBP. he then went off freq. (SM) CATBIRD 2008 USB wkg Ascension, too weak for me to hear. GOLD 91 1800 USB wkg Ascension, req pp to? REACH 67958 1918 USB wkg Ascension re pp to Dover Metro & CP, ETA Dover at 2125z. DARKSTAR SIERRA 2036 USB wkg MacDill, pp to Robins CP. SHARK 35 2103 USB wkg Albrook, pp to LOBO. PITT 15 (spelled) 2115 USB clg Mainsail, no reply. Any ideas on who uses this callsign? JM 099 2143 USB clg Lajes for a pp to 727.XXXX, no reply. ADMO 2148 USB wkg Albrook, pp to? (Too weak to hear). GOLD 81 (KC-10) 1324 USB w/kg ? w/pp to Mildenhall C/E ETA 1450z req relay to the Tanker Task Force (a/c for entry in the Tanker Task Force), also pp to Mildenhall Metro. IPO 27 1338 USB clg Mainsail, no answer. HAWK 03 1345 USB wkg Andrews, pp to RAYMOND 37. REACH 901XX (C-141) 2154 USB wkg Ascension, req pp to 15thSO(? & Hilda East, adv Hilda East a/c tail number was 50266, took off Dahara (sp?) at 2126z, ETA 0345z at LIRB (Brindisi)). Then req pp to any metro for LIRB wx at 0345z. SHARK 86 (C-130) 2213 USB wkg? w/pp to LOBO & Howard Metro. REACH 90135 2245 USB wkg MacDill, pp to Hilda East, ETA Hulbert Field at 0400z. HAWK 85 2315 USB wkg offutt, pp to RAYMOND 37, re wx. NAVY JM269 1955 USB wkg Ascension, pp to Rota wx for their 2145z observation. (Sw2) DOOM 80 2311 USB w/pp re proceeding w/ mission IR178M[?]. They were told the support people were waiting on them. After the mission they were planning to land at Dyess, and then take off an hour later to return to Barksdale AFB, Louisiana. DOOM 72 0129 USB w/pp DOOM control [through Mudbug, I think]. Due to severe turbulence wanted to switch from IR150 to IR178CK. This was approved and controller on ground mentioned that all closest conflict to that time was a B-18 and that he understood all 18s were grounded due to flight control problems. Reach ??197 1941 USB a C-141 at 4528N/09041W heard. REACH 60153 1959 USB ETA Elmendorf 2230z; A-2 maint status [bad VHF radio, bad EGT [?] #2 engine. 31 pax. REACH 80221 2031 USB C-5 headed for Hickam. Will pick up a C-5 engine. Headed for Andrews. ETA Hickam 2300z. At 2039z a/c at 2607N/14036W. PRIMO 11 (sp. ?) 2039 USB a KCh10 calls Hickam. 9 crew members, wants billeting, and 170,000 lbs fuel. CHILL 02 [probably Bh52H out of Minot AFB, ND] 2342 USB called DSN 825-5552 (ABSTAIN later referred to as Base Ops). Reports that he is an HC-130 w/trouble [serious] w/hydraulic leak and pulsing on number one engine, a/c returning to Minneapolis. Aircraft flying out of Portland, Oregon. HAWK 83 continuous calls for any response, but nobody can hear him. HAWK finally gets through to Dyess METRO. PINION 62 (U-2 out of Beale AFB?) 2047 USB calls McClellan w/no response. Then called SKYBIRD w/no response. SPIRIT 17 (B-2A) 1930 USB placed pp through Elmendorf AFB [Alaska] to DSN 975-8778 (SPIRIT Control) at Whiteman AFB, Missouri. Said he was about halfway "across the pond" headed for home base (Whiteman?) w/ETA of 0130z. SPIRIT 17 announced he will call on 13204 kHz. Navy RU 570 (C-130?) 2004 USB called DSN 820-2861 (Whidbey NAS Ops). I think this a/c is part of VAQ 134 and in any event is enrt to Whidbey NAS from North Island NAS w/16 pax & 1500 lbs of cargo. They want 30,000 lbs of fuel for their hop across the pond to Atsugi. (TR) ROCK 78 1808 USB req pp to FOXTROT at DSN 597-5041 (Supervisor of Flying at Keesler AFB). No answer. 78 advised they would try again later. SCRUBBER 55 1821 USB clg offutt Global, then Andrews Global. Never got an answer. SCRUBBER 55 guy was wearing
an oxygen mask. At 1845Z, what sounded like the same operator (w/O2 mask on) started clg Andrews & Offutt Globals, but this time using callsign HOOK 45. Still, no contact w/ a GHFS station. H8N 1853 USB contacts MacDill Global & req pp to COMSUBRON 8 at a DSN 564 exchange #. Apparently whoever answered that phone at that DSN wanted to know if H8N was a submarine, ship, or a/c, & the MacDill operator started to ask H8N that very question! In the background during MacDill's transmission, I could hear the COMSUBRON 8 guy yelling at MacDill to not ask H8N that. MacDill un-keyed after most of the question had been asked. H8N finally initiated the pp, executed Esteem Highly Alpha, & the patch was terminated. NAVY QC (?) 460 1720 USB w/pp via Elmendorf GHFS. Traffic was weak, but QC (?) 460 wanted to adv their relieving a/c that there were scattered clouds at 2100 w/ occasional light rain, and that the range appeared clear. SHADO 10 would be "on IP." HORIZON 29 1910 USB w/pp to RAYMOND 9 via Albrook. HORIZON 29 passed a standard arrival/departure message for some locations in Central/South America. HORIZON is a static-call (perhaps secondary call for the SHARK boys) occasionally heard, usually operating in Central/South America. NIGHTWATCH 01 2135 asking Ascension GHFS to relay to NIGHTWATCH 02 that 01 will meet 02 on W-110. At 2319Z, NW02 made a pp via Ascension to Andrews VIP. Andrews VIP advised NW01 that Air Force One primary was Fox-461U, & secondary was 709. ANVIL 07 1929 USB w/pp to a 366 DSN exchange # via MacDill. Initiated at 1932Z, 07 needed to speak w/ Paul Gardner. ANVIL 07 advised they should be landing at Richmond at around 1845L, depart at about 2000L, & "see you back at Charleston" between 2050-2100L. ANVIL 07 = C-130 of the 130th Airlift Wing, WV ANG, based at Yeager Airport in Charleston, West Virginia. SHADY 27 1943 USB w/pp to a 971-exchange DSN via Andrews Global. 27 asked SHADY OPS to contact 27's wife & find out what time their "kid's" game was that night, etc. Geez, you'd think the Army Military Intelligence Battalion pilot flying this OV-1D 'Mohawk' a/c could find a more creative way of finding out when Junior's game started! 2PN (British accent) 1949 USB asking Andrews Global to relay to TSC-Jacksonville that callsign 2PN was off-station at 1945Z. NAVY LD311 2006 USB w/pp to DSN at NAS Roosevelt Roads via Andrews GHFS. 311 adv "Duty Office" they were off the deck at Key West at 1550 (1950Z), & ETA Rosie was 1920L. NAVY EC3S 1539 USB w/pp to Patrick AFB Ops via Albrook Global. EC3S adv Base Operations they were a Ph3C that would like to divert to Patrick for refueling at 1700L. Patrick asked if they had a PPR & EC3S adv negative. Patrick adv they would be open & capable of refueling a P-3, but the a/c should work on getting a PPR. Next patch was to a DSN at NAS Jax. EC3S asked PATRON 45 Operations for approval to divert & refuel at Patrick. Permission granted, & Operations would coordinate that w/Patrick AFB. (TT) Andrews 1835 USB w/Exercise Inject Golf Xray Romeo Roger as wasd, then McClellan joins in w/ Exercise Inject Golf Xray Papa. (DS) SCALP 13 1943 USB wkg Andrews w/pp to SCALP Scheduling, very weak the only part I caught was 'successful mission', (a/c may have been one of the B-52s that visited RAF Fairford over the weekend). (SW2) 'PJJK' 2237 USB wkg 'PJO 75' w/messages in EE & Dutch. (GT) (PJJK is Dutch Navy, Suffisant Dorp Naval, ATN -LOGS) Ascension 2255 USB wkg NW01, & NW02. (BWS) Unid a/c 1518 USB w/pp to unk base re: arrival time & two passengers not on board. Noisy conditions. (GG) BIRDTRAP 1811 USB c1g and wkg MACDILL, w/ voice and data. At 1924z, BIRDTRAP wkg MCECLELAN. MCECLELAN 1901 USB wkg NIGHTWATCH 01. MCECLELAN 1358 USB works MCECLELAN in voice and data. (JH) SPACEHEAD 1330 USB c1g BOOMTOWN on self-id'd CHARLIE BRAVO. 1526 USB Very weak voice & data activity involving LEOLION (sounds like) & BOOMTOWN. (JH) IFN 22 1345 USB from "EGLP" to "LQBK", both unknown to me, also mentioned "Paderborn" as destination (?)Selcal AHhLM. (JP2) MAGIC-CARPET 0035 USB wkg FOXTROT-ONE, w/ references to HABITAT. Sounds like some type of data-link set-up operation, possibly SATCOM. Received at good levels here on the west coast. (JJ) DRAGNET SIERRA wkg TRENTON MILITARY w/pp to RAYMOND 24/CURRENT OPS. (JH) Andrews 1948 USB w/pp for SAM 203 to unid loc, second pp re
press. SENTRY 49 2027 USB req radio check from RAYMOND 24 on Charlie 6. Andrews 2033 USB w/pp for SAM 203 to Howard meteo, 3 other DSN's. At 2057 SAM 203 req switch to 89 (F89-13204) (MF)

11217 MacDill 2332 USB wkg NW02, adv they are weak and barely readable. (BWS) REACH a/c 2300 USB w/calls in to 2542 (sounds like DIXON/ NIXON/VIXEN/KNICKS) CONTROL. They're passing standard inbound messages -- # of pax/crew, aircraft maintenance status, etc. I'm only hearing the aircraft side from my home near Ann Arbor, Michigan. Based on ETAs given, I know that they're using the US Central Time Zone. Aircraft heard have been REACH 524 and REACH 80030. I'm not sure if this is a discrete channel being used by a TALCE at a temp operating location, or if it is a discrete being used by a normal wing/group/squadron ops center at a military airfield. (TT)

11220 NIGHTWATCH 01 2352 USB clg MacDill on S-310, fol by NW02. (BWS) SAM 202 1200 USB w/Andy on 311u. 12.20 Andy asks '202 to QSY to 920u as new primary freq. (GT) SPACEACE 2105 USB wkg NIGHTWATCH 01 w/SPACEACE entering the net. S310 primary; X903 secondary. ANDREWS 0358 USB wkg AIRFORCE ONE; then wkg NIGHTWATCH 01 w/a brief signal check. TRADESMAN (good to weak levels) 1418 USB clg NIGHTWATCH 01, w/no response. EQUALITY 0223 USB wkg NIGHTWATCH 01; & telling NW01 that he was off frequency. Non-id'ing station 0433 USB (turned out to be ANDREWS) w/periodic "test id 3, 3 2 1." At 0435z, ANDREWS wkg SPAR 66. At 0502z, SPAR 66 placed a pp to a European DSN number. NIGHTWATCH 01 (weak here in coastal Texas) 2149 USB clg SANCTIFY. ASTROJET 1245 USB wkg NIGHTWATCH 01. (JH) NIGHTWATCH 01 1947 USB in net. (MF) SAM 973 1946 USB wkg ANDREWS, pp SAM CP, prob. on ground. SAM 376 1952 USB wkg ANDREWS, attempted wkg SAM 973. No joy. SAM 201 2242 USB ending pp via ANDREWS. (PR) SAM 29000 2208 USB wkg Andrews after moved from 13211. SAM 29000 was passing 41w at the time. (RT3)

11226 CANFORCE 1518 2220 USB wkg Andrews VIP w/signal ck's on F365. (RB) SPAR 19 1958 USB wkg Andrews w/pp to Rota ATOC re a passenger aboard their a/c who had'nt been 'processed' properly. The passenger went to the flightline unauthorized & boarded a/c, adv them that the passenger is to be treated as a stowaway and would be dealt w/ on landing. (SW2) SPAR 19 (CINCCENT EC-135) 1531 USB maintaining comms w/ Andrews VIP. SPAR 19 had a 1615z ETA at NAS Rota, Spain. (TT) WAR46 2002 USB clg NIGHTWATCH 01, moved from 11220. (JH)

11232 Bison 37 1725 USB wrk Trenton Military req wx for Cold Lake. (CM) SAM 376 0857 USB w/Andy, radio checks on 522u. Andy w/msg for '376 frm LIBR - will be parking on the civil side of airfield, and need to pay 4000 USD for C135 service. '376 rpt eta as 12.50-13.00z, will confirm when depart from Albania. SAM 376 0933 USB QSY to 662u as secondary freg; their checked-in briefly on 15.048, and returned to 11232. SAM 376 0959 USB Andy clg SAM 376, answered by Trenton Military, who asks if they can be of assistance! (GT) Trenton gave SAM 376 another freq. CANFORCE 2520 to use for CANP (MF) IFF 59 1750 USB wkg Trenton M11, wx for St Johns & Gander. (SM) CANFORCE 1650 1617 USB w/pp to Trenton wing Operations via Trenton Military. CANFORCE 1650 had a 2035z ETA at CFB Trenton, and was in-bound from Thule, AB Greenland w/ 85 pax, 9 crew, and 3 pallets of cargo. 1650's SELCALL was FHJL, and Trenton Advised their secondary HF channel was 9007 USB. GONZO 06 CHARLIE 1623 USB radio-checking Trenton, and then passing them one Exercise Immediate message Time: 292612Z (sic), From: GONZO 06 CHARLIE, To: MOC Halifax, Message: On-task at 1557Z, Exercise. Trenton repeated the message back to 06 CHARLIE 06 CHARLIE confirmed it, then advised they had no further traffic for Trenton. (TT)

11235 AUSSI-095 0343 USB wkg RAAF DARWIN (SB)

11244 Catbird 0909 USB wkg Croughton (VP-3A) pp .... base ops: airborne, eta 11:00 local, need &k fuel, fuel truck on arrival due to tight schedule (BH) Croughton 1041 USB clg SPAR 3 on all fregs. Asking for his freq. Nothing heard. Offutt AFB 1401 USB w/ Mainsail bcst. (DES) Elmendorf 1930 USB wkg Navy RV387. Offutt 0347 USB w/SUET4... (EG) NIGHTWATCH 02 1641 wkg MACDILL w/ pp to common NIGHTWATCH 01 DSN 939 number. Trying to get good wkg freqs (S309; S310;x903.) NW02: "Looking for additional testing time on USC 112." BLACKDOG 1532 USB w/26-character EAM, simulcast on 11244.0 and 6739.0.EAM picked up by GHFS at 1541z. MCELLELLAN 1507 USB as lead GHFS station, w/25-
character EAM: CRRGKM. During the transmission, AAOU was working RAIDER via pp, and was complaining about being "stepped on," but the patch continued on anyway. OFFUTT 1520 USB w/an "all frequency request" for COSMO 32. This is OFFUTT w/ traffic." Nothing heard. At approx. 1524z, MCCLELLAN w/an all frequency request for COSMO 32, and MCCLELLAN gave out all his active GHFS freqs. Over the next few minutes, most of the North American GHFS stations would broadcast 'all frequency requests' for COSMO 32; and then finally these same stations ended up broadcasting in-the-blind four 3-element groups/minutestamp/authentication. MCCLELLAN 1815 USB clg ASCENSION w/an "all frequency call." No response heard or found. BIRDTRAP 1920 USB wkg MCCLELLAN. Moved to 11181. At 2052z, SPACEACE wkg MACDILL for NIGHTWATCH 01 wkg freqs (P381/X903). LANDMINE 1200 USB wkg TREEBEAM, getting wkg freqs for NIGHTWATCH net. He must of called MAINSAIL, and raised the callsign station instead. (X903: X209; X208). MCCLELLAN 1311 USB w/3 EAMS, one of which was taken from MCCLELLANS 1245z EAM set, and one that was from MCCLELLAN's 1303z EAM transmission. This 3-set was repeated at 1350z, w/ the first string replaced w/ the first string of the 1245z EAM rotation. Possible indication of a MCCLELLAN h+11/h+50 "repeat" EAM transmission time. (Heard simulcast on 6739; 8968; 11175; 11244). SNOOP 51 2043 USB clg OFFUTT GOBAL; then clg MAINSAIL at 132046z. NIGHTWATCH 03 1330 USB wkg MCCLELLAN, getting wkg freqs for NIGHTWATCH 01. NIGHTWATCH 03 wkg MACDILL again at 1347z; MACDILL clg NIGHTWATCH 01 at 1349z and 1359z, w/nothing heard. PUPILEYE 1450 USB wkg MACDILL w/5-minute signal checks. LEOLION (sounds like) 1415 USB wkg MACDILL w/pp to OPCON, w/chatter re use of CHARLIE BRAVO. DAIYMAID 1618 USB (phonetically spelled to ALBROOK) getting wkg freqs for NIGHTWATCH 01 (S310/S312 - nothing heard on either freq.) BEAR 19 1503 USB wkg OFFUTT w/a pp to BEAR OPS at a DSN 789 number. At 1952z, OFFUTT wkg NIGHTWATCH 01 w/20-character EAM "FOR THRICE." DARK 43 1813 USB clg MAINSAIL; nothing heard, and gone. (JH) Albrook 1845 USB w/pp for SHARK 46 to Lobo (MF) Andrews 2152 USB passing wkg freqs to TWILIGHT, primary S-312 secondary X-904. Weak voice comms heard on both soon after but too noisy to tell who it was. OUTBREAK: 2203 USB finishing pp via Andrews. AAOU: USAV Mannassas (LCU-1667) 2230 USB wkg Albrook. pp Raider - missed PosRep. MCCLELLAN 2016 USB w/EAM: 67TBSY [+14] also on 6712, 11175, 13200, 15016. INCIRLIK & LAJES 2018 USB echoing above EAM on same freqs + 6739, 4724. Incirlik 2335 USB starts same EAM approx 10 seconds into SALESMAN broadcast. (PR) Croughton 1757 USB w/AYTPF6 over & over. Andrews 1856 USB "For THORWICK & BUTE" 67XPQ6. Incirlik 1857 USB "For THORWICK & BUTE" 67XPQ6. Incirlik 1836 USB FOR ORGANGRINDER & BAMBO. 68N3. REPLY 81 (U-2) 1505 USB reported ops normal at 1500z. MUFF 86 (U-2) 1445 USB wkg Thule, passed a two group message, YM GPS, time 43, authentication LC. (SW2) Thule GHFS 2327 USB broadcasting a 20-character EAM "FOR TYRANT." I wonder if by saying "for TYRANT," the broadcasters mean that the EAM is directed to callword TYRANT, or if the station is broadcasting the EAM at the request of TYRANT? PING PONG 1444 USB w/pp to "OpCon" at a 342 DSN via Thule GHFS. INCIRLIK was clg OpCon back to see if they located a part. OpCon adv part is on base. DSN directory just shows Duluth AFS, MN for CONUS 342 exchange. (TT) 11247 GOTX: RMAS Robust 1732 USB clg for Gibraltar Flightwatch, they were 50 mins out. Cyprus gave him the Aviation WX & Robust replied "That means nothing to me...." He went off to try & call Gibraltar again. Gibraltar 1430 USB clg for ARCHITECT.. no reply. (SM) 11253 Royal Air Force Volmet 1043 USB used to be on 11200. Good marker for me to check band condx. (DES) RAF Volmet 2211 USB (SM) 11460 ANDREWS 2120 USB wkg SAM 206, and giving SAM 206 preflight freqs for 02 May: F290/F295. SAM 206 1527 USB wkg ANDREWS (as noted above, I just noticed). (JH) Andrews 1853 USB w/pp for SAM 518 to Andrews VIP (MF) SAM 505: USAF C-20C tail 85-0050 1216 USB Special Air Mission a/c, wkg Andrews VIP w/pp to 1-800#. (RB) 11494 ASTROJET 1249 USB wkg NIGHTWATCH 01, still active at 1832z. (JH) SALESMAN 2245 USB clg NIGHTWATCH 01 - no response. METHODIST 2325 USB clg NW01 - no response. At 2326 SALESMAN wkg NW01 (voice/signal very similar to METHODIST). NW01 very weak, QSY W105 (7831), then to X904 (9017). (PR) ASTROJET: 1715 USB clg NIGHTWATCH 01, MAINSAIL, no joy
on "S-311". (RB)

12070 ATTRITION 1926 USB cIg NGHIGHTWATCH 01. (JH)

12080 Nerts 1600 USB c/s spelled, trigraph tfc (BH) Hickam 0345 USB w/5UET4... (EG) REACH 70007 (apparently "coming up from Johnston Island") O201 USB wkg HICKAM. (JH) THULE 1915 USB w/pp for REACH 5077 to RAYMOND. 17 (MF) TV031 2129 USB wkg Thule, pp to Duty Office. We need customs & have you sorted some storage for our boxes? (SM) IPO 06 1339 USB cIg Croughton Airways. AIRVAC 1061 1527 USB cIg Mainsail, then wkg Croughton w/pp to Rota Metro for their 1700z wx. AIRVAC 1054 1540 USB cIg Croughton, told to QSY 11175 (nothing more hrd). (SW2)

12094 NGHIGHTWATCH 02 2216 USB wkg Ascension w/pp NGHIGHTWATCH 01. NW01 advised they would check out S-312 and S-310. NW01 told NW02 they needed the status of their "228" (unknown what 228 refers to). (BWS) Andrews 2106 USB w/pp for SAM 203 to unid DSN#. (MF)

12100 Aussie 01 0130 USB, informing Airforce Darwin that ops normal and will recall at 0300z. (AMB) HUDSONh607 0255 USB wkg RAAF Townsville to RAAF Amberley HSh748 32 Sqd (SB)

12104 Nightwatch 02 2216 USB wkg Ascension w/pp NGHIGHTWATCH 01. NW01 advised they would check out S-312 and S-310. NW01 told NW02 they needed the status of their "228" (unknown what 228 refers to). (BWS) Andrews 2106 USB w/pp for SAM 203 to unid DSN#. (MF)

12106 Air Force 1 0000 USB wkg Andrews w/check. (BWS) AF1 1833 USB w/Andy. radio checks; will use 461u as Primary. SAM 29000 is on freq also, and Andy asks them to qsy to 948u. (GT) ASTROJET 1934 USB cIg NGHIGHTWATCH ONE. MEMORIZED 2019 USB wkg NGHIGHTWATCH 01, and entering the Nightwatch 01 makes 13211.0 primary, and goes to 9017 to raise REGISTER and move him here. (JH) Air Force 1 0152 USB wkg Andrews, adv loud and clear now. (KS) Spar 19 2254 USB wkg Andrews. At end of a pp to ?, says go to Satcom voice chan. (PR) Andrews (Mystic Star) 0037 USB radio-checking AIR FORCE ONE, enrt to Andrews from Moscow, ETB KADW 0200Z. (TT)

12110 ABNORMAL (Vandenburg AFB) 1750 USB coordinating frequency assignments for ARIA 2 & ARIA CONTROL (and others), gave the following USB freqs: ARIA 2 Receive: 10352.0, 13900.0, 14987.0, CONTROL Xmit: 11110.0, 15793.0, 17560.0. (JJ)

12120 SAM 60203 2145 USB wkg Albrook for VIP pp to Andrews VIP QSY’d from 11175 (EC1) LONGEVITY 1854 USB cIg MACDILL. (JH)

14400.5 NNNOCOW: USS Trenton (LPD–14) 1529 USB wkg NNN03HR, private shore sta in S. Texas, adv too weak for pp tfc right now. (RB)

14587 Cotam 3900 1450 USB To Iraklion. (JP2)

15015 Snoop 50 2246 USB wkg MacDill w/pp RAYMOND 21. (Signals too weak mentioned something about an air refuelling then returning to Offutt at 0250z). (Sw2)

15016 King 63: 2140 USB w/ASCENSION, pp Patrick AFB, FL (AM) MacDill 2020 USB wkg LONGEVITY. (CM) AAOU 1502 USB pp via Albrook to RAIDER pos rpt off Nicaragua, arrangements for port. (USAV Manassas LCU–1667–LOGS) SHARK 32 1509 USB cIg Albrook. Elmendorf wkg 1879 req Fairchild AFB wx 2200z Elmendorf metro pirep KR315 WOODY79 19:52. Reach 50252 2043 USB cIg McClellan pp to Elmendorf block time 23:50 Clg 20531 2050 USB cIg RESCB on block 70403. Snoop 51 2055 USB w/pp to Raymond 21 ? pax and parking. Gasser 91 2056 USB cIg McClellan for radio chk. Sky King DNA IQ3 time 03 UK, Andrews, Elmendorf, and McClellan. Reach 838 2108 USB w/Ascension re pp, will call Charleston when closer in. Elemendorf USB cIg Sierra 56, moved to 11175. Reach 4583 1825 USB heavy cIg Mainsail, pp via McClellan block time 2320 at Travis AFB then on to Hickam (EG) MacDill 2233 USB w/SKYKING DNA msg. Albrook 2331 USB cIg weak but readable,Unk clg M6F. DOG 03 2334 USB cIg MacDill. Yakota 0052 USB cIg AIRVAC 10784 X3, nothing heard/out. Hawk 84 0052 USB w/Andrews relay re: 6 release(?) of weapons (GG) MACDILL 2020 USB wkg LONGEVITY (after clg LONGEVITY w/all freq request at 2015z; raising same at 2019z on 11175 via ANDREWS; & moving to 15016.0. MACDILL passed the final message groups of this day’s “Exercise Inject” activity. During this xmsn, ANDREWS was up on freq at 2042z w/a call to “All stations; all stations; and then into a message that was covered by MACDILL. (3H) Albrook 2004 USB w/pp for SHARK 80 to Howard meteo. Albrook 1847 USB w/pp for 3 TANGO MIKE to COMSUBLANT. Ascension 1852 USB w/pp for REACH 80219 to DSN#589–xxxx Westover CP. Albrook 1832 USB w/pp for CHALICE CHARLIE to Raymond 24 (Tail# 20577). Albrook 1919 USB w/pp for IVORY 63. Ascension 2048 USB w/pp for ELVIS 62 to Rosy Roads meteo (ELVIS 62 is a C-141). Ascension 1915 USB w/pp for REACH 503 ROMEO FOXTROT to Mildenhall AMCC & meteo. Albrook 1834 USB w/pp for SHARK 18 to Howard
meteo. Albrook 1917 USB w/pp for EVAC 56 to Lobo (MF) Reach 42473: 1020 USB wkg Lajes. pp Hilda East. a/c has fuel problem on no.3 engine, not enough fuel for Rota, will head for Sigonella. Shagy 26: 1730 USB wkg Ascension. pp Rota Air-Ops (DSN 727-2207) Passing flight plan to Ops for after refuel at Rota. From plan: a/c C-130 dep LERT (Rota) 2000z, eta Hilda East. a/c has fuel problem on no.3 engine, not enough fuel for Rota, will head for Sigonella. Shagy 26: 1730 USB wkg Lajes. pp Hilda East, a/c heading for Aviano for quick turn to Sierra Leone, Moved to 18019 where 104XX was lost w/ Asc. very weak. (PR) ELVIS 62: C-141B 164th ALG/118th ALW, Memphis Int'l Airport, TN 2051 USB wkg Ascension w/pp Roosie Roads meteo. (RB) ADMO: USAV El Chaney (LCU-2017) 1623 USB w/pp via Albrook for posn report & ETA. (RT2) 7H5 2027 USB w/a pp to ?? re diplo clearance, they were enrt to Roosevelt Roads, PR, then pp to Howard Meteo. Reach 2089 1136 USB pp to Dover Meteo. Wx for Dover & Andrews. IFOR 29 1209 USB wkg Lajes, pp w/flight planning details for a trip routing Zagreb, Gyser, Aviano. in a C-21. (SM)

15038 SAM 29000 1839 USB w/Andy w/radio checks. who else should pop-up on freq, but NIGHTWATCH. NW called several times 'Nightwatch on 948'. Note, no number suffix was mentioned. (GT)

16986 CTP: NATO Lisbon POR 1501 "QSX 4/8/12/16Mhz." (HL)

17972 ASTROJET (strong level here) 1255 USB clg NIGHTWATCH 01, w/no response & gone. (JH)

17976 OFFUTT 2035 USB as lead GHFS station, w/ 20/20/26 character EAM set over a 10 minute period. (JH)

18018 RAF: Cyprus Flight Watch 1117 USB wx brdcst for various Mediterranean airfields. Cyprus Flight Watch 1123 USB wx brdcst of Egyptian + Mid East fields. (PR) Cyprus Flight Watch 1315 USB wx for Cyprus. (SM)

18290 029 0159 USB pp via Andrews, re dinner. (EG)

=ALL OTHER SSB/AM/CW/& MISCELLANEOUS MYSTERIOUS STATIONS=

RAV: unid aero beacon (days in Italy) Could it possibly be coming from somewhere in the northern Adriatic coast of former Yugoslavia? Any info out there? (FM)

2500 WWV: Fort Collins, CO 1210 AM w/time, wx. (RT2)

2593 Unid 1837 USB FF w/pp, Male & Female chatting about Wx. (SM)

3090 Unid Number st. 2132 AM YF "Sierra Yankee November Two" (HL) (Mossad -LOGS)

3150 MOSSAD,ISR 2301 USB PCD broadcast (AB) PCD: Mossad 2132 AM YF 5LG (HL)

3261 ZKFK New Zealand - South Island Mountain Radio Service 0800 USB wkg portable/mobile field stations. (AB)

3270 MOSSAD,ISR 1904 USB KPA broadcast (AB)

3285 Swedish Rhobaud numbers station 2000 USB Tfc id 84063+5F's in GG. (AB)

3840 MOSSAD,ISR 1903 USB YHF broadcast (AB)

4072 Unid: 1755 USB Unid time signal station sending the GMT+4 time as "HHMM" (24 hour format) in morse code. Continues until now (1825Z). (CK)

4130 NAS numbers station 2100 USB 'Mike Susan Adam' broadcast, also at 900 UTC. (AB)

4165 MOSSAD,ISR 1906 USB SYN2 broadcast (AB)

4270 MOSSAD,ISR 1930 USB PCD2 broadcast (AB)

4463 MOSSAD,ISR 2300 USB FT22 broadcast (AB)

4481 3-Note-Oddity numbers station (Hungarian Intelligence?),HNG 2035 AM Repeat of 2005 broadcast on 4580 kHz (AB)

4553 Unid 1757 USB Italian Simplex. (SM)

4565 Unid 1756 USB Crypto Simplex. (SM)

4580 3-Note-Oddity numbers station (Hungarian Intelligence?),HNG 2005 AM 3-note-rising-scale interval signal + 5F gr in German (AB)

4660 Jammer, 1915 Hops to 4672 and back. Stays on each freq between 1.5 and 7 mins. Active all night long, every night (AB)

4665 Numbers Station 0044 AM lady numbers stn, repeating CIO2 (Charlie, India, Oscar, two). (MS2) (Mossad -LOGS)

4672 Jammer, 1915 Hops to 4660 and back. Stays on each freq between 1.5 and 7 mins. Active all night long, every night (AB)

4880 MOSSAD,ISR 2100 USB ULX broadcast (AB)

5245 Madang PNG 1050 USB. Telefonim network. Several p/p at once (AW)
WUN-v02

5277 PANTHER: DEA Regional HQ, Nassau, Bah 0000 USB clg 32C & 93A (helos) w/coordinates for "Mosstown" advising them to get airborne ASAP & detain the a/c upon landing. Req that DEA vehicles & agents be used. 0004Z, 2 suspects have left the a/c, 1 suspect in the terminal and the a/c is off the runway. 32C ordered to secure and search the Southeast perimeter of the field using lights to find one of the suspects. 93A was to secure the a/c. There was some discussion about the use of clear comms for the operation. Switched to 350.450 Mhz (UHF) Secure. (PS) (Rare catch! -LOGS)

5301 OLX: MOI Prague, CZE 1700 CW Msg to 476 (AB)

5390 Unid 0130 USB weak EE tfc; nothing in CFL that fits. (MS2) (CGD206, Alma Radio 'Bell of Canada', PQ w/bush phone radiotelephone traffic -LOGS)

5395.5 Unid 0125 USB domestic household discussion between man & woman, suspect canadians, except for pronunciation of 'tomorrow' sounded more like someone from Maine would say it. (MS2)

5400 Fiji 0755 USB Inter-island net in Fijian Lang. (AB3)

5401 GS2 0017 USB w/B99, military sounding but unid. (AM)

5422 ML6 (Lincolnshire Poacher), CYP 2200 USB Msg id 85336. 5FG's. (AB)

5448 Unid 0415 USB some type of time signal station???, although beeps were slightly faster than one second apart. Sounded more like the beeping a truck makes when it's backing up (TB)

5460 Jammer, 1915 Hops to 5472 and back. Same as 4660/4672 kHz (AB)

5470 Unid NZ 0745 USB - Rural comms - farmer chat. (AB3)

5472 Jammer, 1915 Hops to 5460 and back. Same as 4660/4672 kHz (AB)

5521 Unid: 1642 LSB French Simplex. (SM)

5530 NAS numbers station 2000 USB 'Nancy Adam Susan' broadcast. (AB)

5629 Numbers station--YL EE 0326 AM repeating "Sierra Yankee Alpha Two". (Kw2) (Mossad -LOGS)

5630 MOSSAD, ISR 1859 USB SYN2 broadcast (AB)

5635 Unid Philippines stn 0915 USB w/long list of orders. Blatant disregard of Aero band. (AW)

6440 Unid: 1920 LSB sts in Italian. I live in Italy but speak very little Italian. Any clues as to ID? Strange to hear LSB outside the ham bands. (DES) (Ary sez this is a common Italian/Spanish pirate frequency -LOGS)

6445 South Pacific 0715 USB French Net - not military but good radio discipline including use of Q codes. C/signs 59/67/03/70/41/66/110. (AB3)

6646 Unid USB data/scrambled traffic, on/very close to 6646kHz sounds similar to alot of the stuff on 8971kHz. (PR)

6660 MOSSAD, ISR 1901 USB SYN2 broadcast (AB) Numbers Station YL EE 0232 AM repeating "Sierra Yankee November Two". (Kw2) (Mossad -LOGS)

6739.2 1337 Continuous apparent feedback "tones," zeroed around 6739.2. Active for many hours. Old HICOM transmitters active on freq?? (JH)

6745 Numbers station--YL EE 2348 AM repeating "Charlie India Oscar Two". (Kw2) (Mossad -LOGS)

6753 Unid: 0938 USB definite aust net 5WJ clg 1ZT said go to night freq. Who is this? (EW)

6785 Numbers station--YL EE 0336 AM 5NG's. (Kw2)

6803.1 Unid 2317 USB A brief burst of data then several rings of a telephone, when someone answered the call an automated voice replied "You are receiving a call from a radio station, one moment please." Someone then came on the line, gave a schedule for the evening and signed off with a call sign. As you might expect, static obliterated the call sign. This used to be a primary Southwestern Bell Telephone frequency and may still be used by the national Bell NS/EP net. (JHM)

6849 Papua Niugini 0825 USB Mission station net - numerous stns. (AB3) New Tribes Mission Goroka PNG 0925 USB Base wkg several outposts (AW) Unid 0905 USB Two lady's talking about stuff, both had what sounded like Canadian voices, many other station's waiting to come up on channel, sounded like a "bush net" any help please? (SB) (Alex Wellner posted that this should be New Tribes Mission on Goroka PNG -LOGS)

6856.5 UNID: 0524 CW 5LG's. (PS)

6959 "Lincolnshire Poacher" ML6 YF 5ng jammed (HL)

6975 Unid 2145 USB two women w/discussion in FF. (TB)

6995 Numbers station (NNN) 1401 CW Msg to 401 + 5FG's. (AB)
6997 Queensland Australia 0700 USB assorted outback comms (AB3)
7720 Extremely loud jammer 1608 USB (AB)
7753 Q6AP: 1830 CW 25 WPM Calling DC4V (Gd2)
7846 Unid: 0812 CW AGGNN GTMNG W2GDI +++ (EW)
7871.2 LN2A: Norwegian PTT, Sveio 1717 CW "LN2A" marker plus mixed FSK signals (MC)
7918 MOSSAD, ISR 1600 USB FYH broadcast (AB)
8142 OLX: MOI Prague, CZE 1600 USB Msg to 288 (AB)
8181 "PRM": 1826 CW VVVs - too strong for Brazil (Jd2)
8970 Unid 2026 USB w/a SELCAL then nothing! Any ideas what this freq is? (SM)
9115 UNID: Numbers st. 1515 AM male 5cg (HL)
9160 CIA, USA 0700 USB 10-count. Msg for 257 (AB)
9263 Numbers station 2238 USB lady w/British accent giving 5FG's//11545.0 (TB)
9810.7 JMW9: 0917 CW JMW9 V AQH4. Who is this? (EW)
10180 Number Station YL EE 0227 AM 5NG's. (KW2)
10408.2 LN2A: Norwegian PTT, Sveio 1102 CW "In2a" marker plus 100bd/850 FSK info (MC)
10529 Unid: 1312 USB 3/2 LETTER GRPS LADY (EW)
10597 Unid: 1115 USB 3/2 LETTER GRPS AMER LADY (EW)
11170 NAS numbers station 1230 USB 'Mike Susan Adam' broadcast (AB)
11250 Unid 2025 LSB "Alpha Alpha.... Alpha Alpha" is all that was said with very heavy European accent. (SM)
11270 Russian Man Number Station, RUS 0820 USB Msg for 615. Msg 81563, 84903, 00000 (AB)
11455 KKNS50: 1517 CW US State Dept? CQ Marker tape (AB3)
12235 TCB: INS 1009 CW 5LG to TCJ. (MS4)
13375 MI6 (Lincolnshire Poacher), CYP 1500 USB Msg id 04899. 5FG's//11545//15682 kHz (AB)
13491.5 VOA: 1815 BBE VOA feeder (JD2)
14406.2 LN2A: Norwegian PTT, Sveio 1504 CW marker plus mixed signals including 100bd/850 reversals (MC)
14488 "Lincolnshire poacher" 1030 VF 5ng jammed (HL)
14686 ATLAS: Customs/DEA Communications Center, Rockwell-Collins, Cedar Rapids, IA 1542 USB wkg FLINT 940 (DEA a/c) re is 30 mins out from his location, on DEA "Papa" frequency. (RB)
14890 Russian Man Number Station, RUS 0800 USB Msg for 615. Msg 89513, 82403 (AB)
14965 Unid: 0812 USB scrambled speech (EW)
15682 MI6: Lincolnshire Poacher, CYP 1600 AM Msg id 04899 + 5FG's in EE. (AB)
16982.5 KOAT: 0501 CW clg HKMR (EW)
19716 IZE: Mossad 1100 USB yf "India Echo Zulu" (HL)

Contributors:
(AB) Ary Boender, Spykenisse, The Netherlands
(AB2) Art Blair, Orangevale, Ca, USA (by mail): NRDh515, Mh7000
(AB3) Andrew Brill, Auckland, New Zealand
(AD2) Alan Doherty, N.Coast, Ireland
(AM) Alfie McAfee, UK
(AM2) Al Marote, Vero Beach, FL, USA
(AMB) Andy M. Bennett, Australia
(ANE) Anonymous, Eastern Europe
(AW) Alex Wellner, Sydney, Australia: Kenwood R5000
(BH) Bart Hoekstra, Leeuwarden, The Netherlands: Lowe HF-225
(BWS) Brian Wayne Scott, Denton, TX, USA: NRD535D, IC R7100
(BZ) Bruce Zarillo, Jackson, NJ, USA: DX-440
(CH) Carl Hender, Suffolk, UK: IC R72, JVFAK, HAMCOMM
(CK) Costas Krallis, Athens, Greece: Yaesu 7700
(CM) Craig Mackinnon, Halifax, NS, Canada: Yaesu FRG-7
(DD) Dick Dillman, San Francisco, CA, USA: R390A, Alden 517
(DES) Donald E. Stidwell, Italy & temp Va Beach, Va, USA: IC R-71A
(DF) Dan Fischer, E.Wisconsin, USA: Drake R8A/R-8, NRD525, Univ. M-7000v7
(DM2) David McCrery, Atlanta, Ga, USA: Kenwood R1000
(DS) Dave Smith, St Louis, Mo, USA: DX-440
(DW) Day Watson, Clevedon, UK
(DW2) David Wright, San Angelo, TX, USA: DX390, Grundig YB400, Univ.M-1000
(DW3) Donald Warner, Medway, Ohio, USA
(EC1) E. Cisar (aka 7), Biloxi, MS, USA: Realistic DX390
(ED) Ed Deasy, Charlottesville, Va, USA: Hoka Code 3
(EG) Edward Waters, Collingwood, Australia: NRD S25, R8, Hoka Code 3
(FM) Fabrizio Magrone, Forli, Italy: JRC NRD535
(GD2) Guy Dennan, Portsmouth, UK: NRD525, FRG100, Hoka Code 3, PK232
(GG) Gary Glaze, Willamette Valley, Or, USA: DX440
(GT) Graham Tanner, London, England
(HH) Harry "Hero" Hofmann, Zwolle, Netherlands: Yaesu FGR100
(HL) Henk Lammertink, Doesburg, The Netherlands, Lowe HF-PR150, Hoka Code 3
(HOOD) Robin Hood, UK (by mail)
(HW) Hans Wildschut, Zutphen, the Netherlands: Lowe HF225 with 12m wire
(JD2) John Doe, London, England (by mail)
(JEB) Jason Berri, Torrance, Ca: R-2000, M-1000
(JH) Jeff Haverlah, Houston, TX, USA: R5000/R7/FROG7/RFB65
(JJ) Jeff Jones, Ca
(JJ2) Jan Janssen, The Netherlands
(JM) Jack Metcalfe, Danville, Ky, USA
(JP) Jim Pogue, Memphis, Tn, USA: R-2000, Sony 2010
(JP2) Jacques Pagnoux, western France: NRD535, AOR3000A
(JS) Jonathan Smith, London, England
(JSM) J."Steve" McDonald, Port Coquitlam, BC, Canada: R71A, M6000
(KS) Keith Stein, Woodbridge, VA, USA
(KW2) Ken Windyka, Springfield, Ma, USA: Sony ICF2010
(MC) Mike Chace, Bath, UK
(MC2) Mark Chinsky, Glenhead, NY, USA: R5000/TS450S-AT/M400/PK232MBX
(MD) Mike Dixon, Orlando, Fl, USA: DX-394
(MF) Mark Fink, S. Florida, USA: SW8
(MS2) Matt Stutterheim, New London, Ct, USA: (2)IC R71A's, R7A, R9000
(MS4) Mohammad Sultan, Port Louis, Mauritius: NRD535D, Universal M-1000
(PR) Paul Robbins, Nuneaton, Warwickshire, England: IC-R72
(PS) Paul Scalzo, Montreal, PQ, Canada: R2000, M7000 v.7
(PT) Peter Thompson, Crewe, Cheshire, UK: Lowe HF225/Universal M-7000
(PvdE) Peter van den Esschert, Arnhem, Holland
(RA) Rick Albright, Merced Ca, USA: Sony 2010, Realistic DX-440
(RB) Rick "RD" Baker, Austintown, Ohio, USA: Icom R71A, Icom R72, M-1000
(RC) Roger Caird, Dublin, Ireland: AOR AR3030, AR3000, HOKA Code 3, PC-HFFax
(RD3) Rob Davies, Northwich, Cheshire, UK: NRD535
(RT2) Robert Thompson, Kilgore, Tx, USA: R390A, FRG100, R-8, NRD535D,
M900/M6000v9
(RT3) Rolfe Tessem, New York, NY, USA
(SB) Steve Bottom, Cairns, Australia: FRG7700
(SM) Stuart McMURRIE, Surrey, UK: Racal 1772
(SS) Stan Scalsky, Leonardtown, Md, USA: IC-R71A, M7000, Code 3
(Sw2) Steve Walker, Surrey, England: HF225
(TB) Tim Braun, Haymarket, Va, USA: FRG-100
(TR) Tom Roach, San Jose, Ca, USA: Watkins-Johnson HF-1000, NRD525
(TT) Tim Tyler, Ypsilanti, Mi, USA: Kenwood R5000, Sony Sw55, TS50, AR8000,
MVT7100
(WdM) Wim de Mol, Wezep, the Netherlands: Lowe HF-225
(WP) William Phillipson
(WT) Wade Taylor, Glendora, Ca, USA

// Parallel with Frequency pp Phone Patch
5FG's 5 Figure Groups PP Polish language
5LG's 5 Letter Groups R/T Radiotelephone (ship/shore fone)
A/C Aircraft rdo radio
ARP AIREP or Air Report re Reference/Regards
ck Check req Request
cud Could RR Russian language
dep Departed SAR Search & Rescue
dx duplex sta Station
EE English language sx simplex

Abbreviations Used
Pagina 464
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To become a WUN member, send e-mail to the WUN listserver at: majordomo@grove.net and in the BODY of the message type: subscribe wun your@own.address

If you have problems in this, or need further information contact Rick Baker at: utelisnter@msn.com or ae411@yfn.ysu.edu

That's all it takes. There are no dues. A paper copy of the WUN Club newsletter can be obtained via our WUN publisher, Tim Braun, at WUN Publishing, P.O. Box 16533, Washington D.C. 22041-6533, USA, for the costs of printing & mailing at a rate of U.S.$1.50 per issue.

If you are reading this newsletter from another source, such as a BBS, please let us know!

From your Electronic Editor:
* Welcome to another issue of the single largest source of utility station information and the most widely quoted utility station publication in the world...the WUN Newsletter.

WHAT'S INSIDE:
- Membership News by Mike Wolfson
- International Civil Aero by Tony Orr & Peter Ivakitsch
- Ask WUN! by Colin Goodall
- Digital Review by Ary Boender
- The WUN Military Column by Jim Pogue
- New Products, Books, News and Reviews by R.D. Baker
- Nautical News by Jim Pogue
- The QSL Report by Martin Barry
- Utility Round-up by Ary Boender
- Worldwide Bandscan by Tim Braun
- The WUN Logs Column by R.D. Baker & TEAM LOGS

MEMBERSHIP NEWS
Mike Wolfson, Membership Director
Pagina 465
For those of you living in the northern hemisphere, welcome to summer. For those of you to the south, you have my sympathy about the start of winter. Considering the winter we had, sympathy is probably an understatement. In any case, its June and welcome to the June edition of the WUN Membership News.

In a year and a half, we have grown by leaps and bounds. That point is proved as we cruise past the 1,000 member mark. The stats as of the beginning of the month show members as follows:

<table>
<thead>
<tr>
<th>Membership Type</th>
<th>Members</th>
</tr>
</thead>
<tbody>
<tr>
<td>WUN</td>
<td>633</td>
</tr>
<tr>
<td>WUN-DIGEST</td>
<td>66</td>
</tr>
<tr>
<td>WUNNEWS</td>
<td>188</td>
</tr>
<tr>
<td>Mail Edition</td>
<td>40</td>
</tr>
<tr>
<td>BBS's (non-e-mail)</td>
<td>147</td>
</tr>
<tr>
<td>Total members</td>
<td>1,074</td>
</tr>
</tbody>
</table>

For the heck of it, I compared this month's membership totals with those from last year. In June 1995, we had 307 WUN members and 104 WUNNEWS members. It doesn't take much math to show that we've more than doubled in total since then.

The membership this month has logged on from 29 countries. Those countries are: USA, UK, Canada, New Zealand, Australia, Netherlands, Germany, Belgium, Italy, Taiwan, Switzerland, Sweden, Norway, Portugal, Peru, Japan, Ireland, Brazil, Great Britain, France, Greece, Poland, Finland, Austria, Mauritius, Spain, South Africa, Denmark and Iceland. As always, welcome to those of you reading this for the first time.

I'm going to repeat my request for input to the member database. If you're a new member, you received the information about how to complete the survey with your welcome to the club. Long time members can refer to past columns for the information being requested. It's going to be a short column this month, I don't seem to have the time for a more extended review. Have fun and good listening. Mike

===========================================================================
INTERNATIONAL CIVIL AERO
Editor: Tony Orr, 11404 Turnmill Lane, Reston, Va, 22091-3618 USA
E-mail: anthony.orr@wdn.com or tourjet@ix.netcom.com
Fidonet: 1:109/236
Co-Editor: Peter Ivakitsch, 803h73 Widdicombe Hill Boulevard, Weston, Ontario, CANADA M9R 4B3 E-mail:peter.ivakitsch@westonia.com
Fidonet: 1:250/930

Welcome again to another fine edition of International Civil Aero with your hosts for the evening, Tony, Peter and the ever humorous Vic bringing you more information than you probably want! What an excellent turnout we had this with a whopping contributors taking the time to send in their reports! We thank Stephen Birchall, Rob Davies, Wim de Mol, Ringo Starr, Chris Swann, Fred Schneider, and the Monitor. We've got tons to get to so...

**********************************************************SELCAL CORNER**********************************************************

Dear All, it seems at last that all my pleas for selcals and news have come to fruition with several people contributing this month - long may your enthusiasm continue! It is only unfortunate that I haven't been able to devote as much time to the section this month as I'd like to due to illness so I am only going to list new selcals and leave the tie-up requests until next issue.

* NEW SELCALS *
AC-DR F-WWAQ A300 JAS
AD-EG N625PL B747 CKS
AL-HJ F-GPVB DC10 LIB
BG-MR G-CIVH B747 BAW
BG-MS G-CIVI B747 BAW
BL-AJ 9M-MAV DC10 WOA
Credits this month then go much appreciatively to Steve Birchall, Wim de Mol, Chris Swann, Rob Davies, Fred Schneider, and finally The Monitor.

In recent log postings to the WUN list, Ken Wyndka and Rick Baker have noted the appearance of a new LDOC on 10075 and 13330 IDing as Eastern Radio. This new station appears to be a Continental Airlines LDOC working CO flights to South and Central America and the Caribbean from a presumed Houston, Texas location. To make it a bit easier to ID the CO flights you may hear on these frequencies, we present to you a list of flight numbers, routes, aircraft types and frequency of operation. I have omitted some flights that would most likely use VHF all the way but this should be a nice representation of CO service to that area of the world:

<table>
<thead>
<tr>
<th>Flight #</th>
<th>Route</th>
<th>Days</th>
<th>Aircraft</th>
</tr>
</thead>
<tbody>
<tr>
<td>CO230</td>
<td>SJU-EWR</td>
<td>Daily</td>
<td>72S</td>
</tr>
<tr>
<td>CO239</td>
<td>EWR-SJU</td>
<td>x3</td>
<td>72S</td>
</tr>
<tr>
<td>CO242</td>
<td>SJU-EWR</td>
<td>Daily</td>
<td>72S</td>
</tr>
<tr>
<td>CO267</td>
<td>EWR-SJU</td>
<td>Daily</td>
<td>72S</td>
</tr>
<tr>
<td>CO291</td>
<td>EWR-SJU</td>
<td>7</td>
<td>733</td>
</tr>
<tr>
<td>CO293</td>
<td>EWR-SJU</td>
<td>6</td>
<td>72S</td>
</tr>
<tr>
<td>CO294</td>
<td>SJU-EWR</td>
<td>x3</td>
<td>72S</td>
</tr>
<tr>
<td>CO296</td>
<td>SJU-EWR</td>
<td>7</td>
<td>733</td>
</tr>
<tr>
<td>CO702</td>
<td>Guatemala-EWR</td>
<td>6</td>
<td>757</td>
</tr>
<tr>
<td>CO703</td>
<td>EWR-Lima</td>
<td>Daily</td>
<td>757</td>
</tr>
<tr>
<td>CO704</td>
<td>Lima-EWR</td>
<td>Daily</td>
<td>757</td>
</tr>
<tr>
<td>CO716</td>
<td>Bogota-IAH</td>
<td>Daily</td>
<td>757</td>
</tr>
<tr>
<td>CO717</td>
<td>IAH-Bogota</td>
<td>Daily</td>
<td>757</td>
</tr>
<tr>
<td>CO719</td>
<td>IAH-Salvador</td>
<td>Daily</td>
<td>72S</td>
</tr>
<tr>
<td>CO720</td>
<td>Salvador-IAH</td>
<td>Daily</td>
<td>72S</td>
</tr>
<tr>
<td>CO721</td>
<td>IAH-Guatemala</td>
<td>Daily</td>
<td>72S</td>
</tr>
<tr>
<td>CO722</td>
<td>Guatemala-IAH</td>
<td>Daily</td>
<td>72S</td>
</tr>
<tr>
<td>CO724</td>
<td>Montego B.-EWR</td>
<td>67</td>
<td>733</td>
</tr>
<tr>
<td>CO725</td>
<td>EWR-Montego B.</td>
<td>67</td>
<td>733</td>
</tr>
<tr>
<td>CO728</td>
<td>Guatemala-IAH</td>
<td>356</td>
<td>733</td>
</tr>
<tr>
<td>CO729</td>
<td>IAH-Guatemala</td>
<td>356</td>
<td>733</td>
</tr>
<tr>
<td>CO730</td>
<td>Panama-IAH</td>
<td>x35</td>
<td>733</td>
</tr>
<tr>
<td>CO731</td>
<td>IAH-Panama</td>
<td>x35</td>
<td>733</td>
</tr>
<tr>
<td>CO732</td>
<td>Bogota-EWR</td>
<td>Daily</td>
<td>757 (flight originates in Quito)</td>
</tr>
<tr>
<td>CO743</td>
<td>IAH-Managua</td>
<td>1246</td>
<td>733</td>
</tr>
<tr>
<td>CO744</td>
<td>MEX-EWR</td>
<td>Daily</td>
<td>733</td>
</tr>
<tr>
<td>CO745</td>
<td>EWR-MEX</td>
<td>Daily</td>
<td>733</td>
</tr>
<tr>
<td>CO746</td>
<td>Managua-IAH</td>
<td>2357</td>
<td>733</td>
</tr>
<tr>
<td>CO753</td>
<td>IAH-Panama</td>
<td>Daily</td>
<td>72S</td>
</tr>
</tbody>
</table>
**AIRLINE NEWS**

THE WORLD COMES TO ATLANTA: SUMMER OLYMPICS 1996...the Games bring a few extra operators to ATL this month with extra and/or added scheduled flights. Remember that there will be innumerable charters giving the HF aero DXer an excellent opportunity to hear unusual airlines operate to the United States.

SCANDINAVIAN has added SK1942 ATLhEWRhCPH 767h300 service operating on 24 July only, SK1936 ATLhCPH 767-300's on Wednesdays only effective 31 July, SK1914 ATL-CPH 767-300's operating on Tuesdays effective 30 July, and SK1913 CPH-ATL operating on 23/24 July and Tuesdays effective 30 July. LUFTHANSA has added LH446 FRA-ATL A340's operating 18/24 July and LH447 ATL-FRA A340's operating 18 July/24 July, and has routed it's LH498 FRA-MEX nonstop through ATL on 15 July with 747 equipment. FINNAIR operates AY140 ATL-HEL on Tuesdays with MD11's effective 30 July departing 2030 arriving 1230+1, AY139 HEL-ATL operates on 16 July departing 1125 arriving 1425 also with MD11 equipment, and effective 30 July AY139 departs HEL 1530 arriving ATL at 1830 with MD11s. Next in line is BRITISH AIRWAYS switching their BA226/227 flights from DC10's to 747's for the Olympics and adding BA1226 ATL-LGW and BA1227 LGW-ATL operating Mondays effective 29 July. These flights are operated by DC10's. AIR FRANCE is plying the CDG-ATL route with the following sked: AF7852 CDG-ATL operating 13 July with a 747, AF7853 ATL-CDG operating on 13 July/17 July with 747's, and AF7854 CDG-ATL operating 17 July also with 747 equipment. SWISSAIR rounds out our survey with SR1122 ZRH-ATL operating 18 July with an MD11, SR1123 ATL-ZRH on Tuesdays effective 30 July and SR1122 ZRH-ATL also on Tuesdays effective 30 July both with 747-300 equipment. SOUTH AFRICAN AIRWAYS has also added continuing flights to ATL from Miami and New York: look out for SA9203 Johannesburg-Sal-Miami-ATL on Wednesdays/Fridays effective 17 July, SA9201 Johannesburg-Sal-JFK-ATL on Tuesdays effective 16 July, and SA3201 operating on 29 July only.

Confused? Well read on! That special IB6250 on 28 July departs IAD at 1855 arriving MAD at 0740+1 and IB6400 is routing MEX-BOG-IAD on 26 July only departing 0045 arriving 1305 with 747 equipment. Switching to South America, IB6741 MAD-BOG operates on Tuesdays/Thursdays/Saturdays with A340's, as does the IB6740 BOG-MAD return. IB6821 MAD-GRU and IB6820 GRU-MAD also are A340's for the time being. USAir has quietly built up a nice little Transatlantic hub at Philadelphia. All flights are operated by 767-200ERs and are daily except where noted:

<table>
<thead>
<tr>
<th>Code</th>
<th>Origin</th>
<th>Destination</th>
<th>Days</th>
<th>Time (local)</th>
<th>Time (ET)</th>
</tr>
</thead>
<tbody>
<tr>
<td>US2</td>
<td>PHL</td>
<td>FCO</td>
<td>Tues</td>
<td>1955</td>
<td>1025+1</td>
</tr>
<tr>
<td>US3</td>
<td>FCO</td>
<td>PHL</td>
<td>Tues</td>
<td>1215</td>
<td>1600</td>
</tr>
<tr>
<td>US11</td>
<td>MAD</td>
<td>PHL</td>
<td>Tues</td>
<td>1200</td>
<td>1440</td>
</tr>
<tr>
<td>US12</td>
<td>PHL</td>
<td>MAD</td>
<td>Tues</td>
<td>1955</td>
<td>0910+1</td>
</tr>
<tr>
<td>US14</td>
<td>PHL</td>
<td>MUC</td>
<td>Tues</td>
<td>1925</td>
<td>0930+1</td>
</tr>
<tr>
<td>US15</td>
<td>MUC</td>
<td>PHL</td>
<td>Tues</td>
<td>1205</td>
<td>1535</td>
</tr>
</tbody>
</table>

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US16  PHL-CDG  dep 1915  arr 0840+1
US21  CDG-PHL  dep 1000  arr 1215  (note Sundays only)
US22  PHL-CDG  dep 1735  arr 0700+1  (note Saturdays only)
US893  FRA-PHL  dep 1225  arr 1520
US894  PHL-FRA  dep 1940  arr 0935+1

And we close with the latest information on WORLD's new Newark-Johannesburg service with scheduled stops in Dakar. W0500 operates EWR-DKR-JNB excluding 5 July departing JFK 2030 arriving Dakar at 0800+1 and Johannesburg at 1940+1 on Tuesdays/Thursdays/Fridays/Sundays, and the return W0501 operates JNB-DKR-EWR excluding 6 July departing Johannesburg 2230 arriving Dakar at 0455+1 and Newark at 1015+1 on Mondays/Wednesdays/Fridays/Saturdays with MD11 equipment. Remember all times listed are local.

==============================================================================

Let's all put our hands together to give all our contributors this month a round of thunderous applause for making this edition of ICA happen! I guess all our whining and pleading did the trick, eh? ;-) From all of us at the INTERNATIONAL CIVIL AERO team, we'll see you again next month, 73 and best of DX!

==============================================================================

ASK WUN
THE INFORMATION STATION FOR WUN MEMBERS
ASK YOUR QUESTIONS HERE
Colin Goodall, editor

This new section is here to deal with requests for help and information to and from WUN members. This column is for you to ask questions; to locate others with similar interests (even non-HF like SatCom or VHF aero); to locate or sell equipment; to ask about receiver problems, or to just ask about anything. If you have a question to ask then ask it via this new section.

Send your requests to: colin.goodall@sspdl.co.uk. Or by mail to C.F.Goodall, Stoneway, Hazleton, Gloucestershire, GL54 4EB, UK.

IF YOU WANT TO REPLY TO AN ADVERT NOTE THE SENDER'S ADDRESS AND REPLY DIRECT OR SEND THE ANSWER TO THIS COLUMN.

1. FOLLOW UP TO PREVIOUS NEWSLETTERS

From: ary@bitbike.com (Ary Boender)
To: colin.goodall@sspdl.co.uk

Hi Colin,
John from London was looking for the location of several stations. An anonymous dixer DFed the signals and came up with the following:

9130 and 19860 kHz originate from some 300 km south-east of Tel Aviv possibly Saudi Arabia. <my comments: as far as I know the British still have SW facilities in Oman. This is more likely than Saudi Arabia>

8564 kHz was almost impossible to DF because of a beacon on the same freq. The signal seems to come from southern Europe, most probably Italy. <my comments: the test tapes that John heard were in French, so it is a very good possibility that the station is either in southern France or a French UN detachment in Italy> Regards, Ary

From: David Wells <david@excess.demon.co.uk>
Subject: SONY SW100

Hello Colin,
You may recollect my mail to you re problems with my Sony SW100 World Band Radio. Many thanks for posting my query to the WUN group.

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The outcome is as follows. The radio was 17 months old and out of warranty. I contacted SONY UK in THATCHAM and they advised me to get it repaired at one of their approved repair facilities and that they would give me some assistance with the repair cost under their "Goodwill" programme.

I sent the radio to S.E.S Dulwich Ltd, Orpington who were very helpful. They repaired the radio and gave me details of the problem/repair. They told me that the problem is a common one with the SW100 in that the ribbon cable between the hinged cover (LCD Display) and main unit fails. Sony have introduced a modified ribbon cable which SES fitted to my radio. The Sony mod number is GA-00496.

I submitted the paid invoice to Sony UK who sent me a cheque for half of the repair cost which included my post and packing costs. So I have the radio back now and it is working fine and I believe the outcome was reasonable. Please distribute these details to the WUN group. They may be of help to someone out there.

Best regards, David.

Great news David, and confirmation of how good some manufacturers can be when approached directly.

2. HELP WANTED

Further mysterious stations have been brought to my attention by my special correspondent, John of London, who you will remember is able to catch some most unusual transmissions. Here are some more for all you detectives out there:-

The following all have a shift of 1360 Hz and according to Code 3 have a baud rate of 110; each frequency is active for 7 seconds once per minute and always at very precise times past each hour; e.g. 00, 7.5, 15, ....52.5. These transmissions appear to be encrypted but says John, 7 seconds is hardly sufficient to be sure. They have been active for some years now.

Are all the transmissions from the same station? Are there any others? Are there any other stations out there using 1360Hz? Any information on ANY station using 1360 would be of interest to John.

So here are the known frequencies:-

3295.3 @ 52.5 minutes past the hour; 5436.02 @45; 5436.2 @22.5; 6353.96 @37.5; 6354.14 @15; 8459.98 @30; 8460.16 @7.5; 12726 @22.5; 12726.02 @52.5; 12726.2 @00; 16096.57 @45; 22139.28 @7.5; 22139.3 @37.5.

John reports that where the transmissions are close together they are different and overall the signal strengths do vary considerably.

Go to it monitors!

SPECIAL REQUEST

I have had a special request from Tom Jansen who asks that any members who having asked a question, get any replies direct, could they please let us have some feedback here in the column on such replies. There are, it seems, many people out there who would like to see the replies to the various questions raised. Also a reply to the column allows anyone who is interested to join in should a subject develop into new monitoring group. OK? Thanks.

From: Jeroen Beijer <jeroen.beijer@tip.nl>
Subject: UHF SATCOM

Dear Colin,

I am looking to exchange information and logs regarding UHF SATCOM. I have been monitoring SATCOM for two years and have made a number of
interesting logs. I use an AR1000 with a JIM M75 amplifier and a (home-made) 8-element crossed-yagi.

Surely there are other people out monitoring these sats. I would like to hear from them and also answer questions from people who would like to start monitoring SATCOM. I can be contacted at the above e-mail address. Thanks and regards Jeroen Beijer

Thank you Jeroen, a nice offer to anyone interested in this subject.

Subject: Ute Addresses Wanted
Reply-To: JSteph6711@aol.com

I’m looking for the current addresses for the following utes, all of which I have had reports returned for incorrect addresses, etc. All reports were sent using the addresses in the badly-in-need-of-updating "Utility QSL Address Guide" by Symington and Henault:

1) HKC and HKB, Colombia (Looking for the address for the national telecom agency, ENTEL). I had been given this address within the last year, but my reception report was returned marked "Not At This Address"

Empresa Nacional de Telecomunicaciones (ENTEL)
Carrera 23 No.14-49
Bogota
Columbia

2) Beacon DPP, Luis Munoz Airport, Puerto Rico

3) WFZ, Tidewater Marine "Morgan City", Louisiana, U.S.A.

Please post this in the next edition of the WUN newsletter. Any help from the WUNers would be most appreciated.

73 -- J.D. Stephens JSteph6711@aol.com

Well Chums any info for JD?

And with that it brings us to the end of another programme.

Till next time,
Colin.

HELP WANTED !!!
For future Diplo Corners, I need info about diplo stations belonging to the following countries: Iran, Iraq, Mongolia, Japan, North Korea, and South Korea. I am looking for freqs, skeds, transmission modes, sample

Hi y'all. First of all I’d like to thank Day Watson for taking over the column last month. Great job, Day! Studies and holiday forced me to step back last month. Well, the holiday is history now but the studies not, I’m afraid :-(() This means very little time to tune in, but I’ll try to fill my columns with interesting stuff anyway. It would help a lot though if you all sent me your findings, news, comments, etc etc. Right, back to digital items. Version 4.0 of the DIGITAL FAQ is now available and it is even better than before. Many modes and additional decoders were added. Stan, Mike, keep up the good work!
messages and every other thing you can think of. Please, send the info to one of the addresses in the header. You may remain anonymous if you like.

o CNA Taipei.
According to the BBC Monitoring Service, the Taiwanese press station CNA stopped all RTTY broadcasts. They are now on the Internet. Try this for a change: http://www.cna.com.tw

klaus Betke (KLAUS@aku.physik.uni-oldenburg.de) sent us the following message: "On June 1, Warsaw Meteo, POL, was conducting fax test transmissions via SOA211 on 111.4 (estimated center frequency). At 1000z there was a 700hPa 48h prog chart for Europe, Polish borders marked by a bold line. Only half of the scanning line was filled with the chart, the rest being black. QRM by LORAN, and by DECCA on the other side. Later they switched back to their regular RTTY transmissions, with occasional frequency glitches."
Thanks for the info klaus. Keep us posted!

o SOUD update. Guy Denman sent me the current sked for the fixed links.

<table>
<thead>
<tr>
<th>Freq</th>
<th>UTC</th>
<th>callsign to</th>
<th>link</th>
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<td>80061</td>
<td>VNB 6862</td>
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<td>50079</td>
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<td>40078</td>
<td>?</td>
<td>3 May</td>
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<tr>
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<td>1420</td>
<td>?</td>
<td>60003</td>
<td>April</td>
<td></td>
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<tr>
<td>18422</td>
<td>1410</td>
<td>?</td>
<td>10024</td>
<td>April</td>
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</tr>
</tbody>
</table>

One of our other monitors writes that the Moscow brotherhood station has been active all day long on 9 June on 13530 kHz in 50 bd, sending the following very strange 5 FG message over and over again (note the repetitions !)

11177 12311 23121 07342 01909
12348 23448 69876 87698 69876 88295 38743 20980 92809 02976
32670 27364 92836 09428 61208 74982 36498 32764 81276 01276
30986 40932 70987 32123 49817 26346 81287 65491 87364 81267
98721 75654 55656 12737 72727 72727 91918 63473 67867 76732
86723 87629 37677 32612 53498 71296 28756 18276 98716 87326
87269 76329 74698 76857 98670 27601 56701 57601 73648 15728
76591 87364 87265 96710 27630 12673 84769 28743 98127 59876
29458 63298 75698 27465 87326 49876 28376 81273 98615 62875
69867 87432 74328 78674 29867 32867 67867 86786 43286 43286
65467 68768 68763 34234 34238 68768 62342 48273 48768 23487
12936 98432 32432 86743 43286 43286 43286 43286 43286 43286
86743 86743 86743 39867 32867 86743 43286 43286 43243 86743
86741 86743 86743 86743 86743 86743 86743 86743 86743 86743
87543 98798 98754 98754 98754 29867 67543 67986 86754 68987
69876 87698 69876 87698 69876 87612 12341 34867 86798 63298
69867 43298 65656 56756 56123 32143 14321 32143 14321 32143
Nikao Radio (ZKRT) from Rarotonga, Cook Islands transmits daily a SURFACE ANALYSIS at 1905 UTC on 12215.5 kHz. This service is maintained by Arnold Gibbons (agibbons@gatepoly.co.ck) as an individual operation, for the benefit of cruising yachties about the South Pacific. The map is prepared by Fiji Met Service based on 12Z data, then coded in IAC Fleet code, and sent by Metservice New Zealand using e-mail to Rarotonga where Arnold's PC converts it into a GIF-map ready for transmission. Austin Whitten, a computer analyst and cruising sailor who has decided to stay a while at Rarotonga, has set up the e-mail link and computer programs. (Source: Bob McDavit - Metservice Auckland- and Austin Whitten via Marius Rensen)

Al Marote (almarote@vero.com) copied on Armed Forces Day this message from US Secretary of Defense on 6998.0 at 0340 UTC 100b/170hz Baudot

FM AAH FT LEWIS WA
TO ALL AMATEUR RADIO AND SWL OPERATORS
GRNC
BT
SUBJ: ARMED FORCES DAY RADIO TELETYPEWRITER MESSAGE
N
AMERICA'S ARMED FORCES: PILLARS OF FREEDOM IS THE THEME FOR OUR 47TH ANNIVERSARY CELEBRATION OF ARMED FORCES DAY. THIS DAY IS SET ASIDE FOR US TO REFLECT ON OUR SERVICE MEMBERS, THEIR SACRIFICES, AND SUPERIOR CONTRIBUTION TO OUR LIFE, LIBERTY, AND FREEDOM. THERE IS ANOTHER MEMBERSHIP THAT PERFORMS A CRITICAL SERVICE TO THE MORALE AND WELFARE OF OUR MILITARY. I COMMEND THE AMATEUR AND MARS RADIO MEMBERS AND THEIR FAMILIES FOR THEIR IMMEASURABLE CONTRIBUTIONS OF TIME, EXPERTISE, AND PERSONAL RESOURCES IN SUPPORT OF OUR NATION. THIS IS ALSO YOUR DAY. I WANT TO EXTEND A HEARTFELT THANKS FOR YOUR OUTSTANDING COMMITMENT TO THIS NATION'S FREEDOM.
SIGNED WILLIAM J. PERRY, SECRETARY OF DEFENSE.
BT
NNNN

END OF TRANSMISSION......

MOSSAD update
Several members copied Mossad using a new digital mode (new for Mossad that is...)

14781.5 C3L, Mossad, Tel Aviv, 1154, Baudot 100, ry's and then "QSA 4", station changes to ARQ-E 96
14781.5 C3L, Mossad, Tel Aviv, 1154, ARQ-E 96, sends 5 5lg's, "QSX", and
On Sunday 09/06/95, the Mossad could be heard testing in a new RTTY mode. Frequencies used in parallel were the following channels:

- 14750.2 kHz  75 Bd / 100 Hz
- 14750.5 kHz  150 Bd / 100 Hz
- 12376.2 kHz  75 Bd / 100 Hz
- 12376.5 kHz  150 Bd / 100 Hz
- 10352.2 kHz  75 Bd / 100 Hz
- 12352.5 kHz  150 Bd / 100 Hz

The RTTY traffic was starting off between H+20 in 75 Baud and a few minutes later jumping up 300 Hz and switching to 150 Baud. At H+25 the station started all over again. On some occasions another RTTY broadcast could be heard at H+30. A full carrier is part of the system. The system has a very distinctive 28 bit pattern when idling and when sending tfc, you can clearly see a huge maximum at 224 bit. The system seems to be some kind of synchronous FEC system. Every possible combination in character analysis has been tried out but nothing appeared to make sense, so the traffic is probably encrypted.

At H+45 (carrier on at H+40) the usual CIO transmissions started, with signals showing the same strength as the RTTY signals. DF-analysis on both the CIO broadcasts and the RTTY transmissions revealed identical results, pointing towards the Eastern Mediterranean area.

Also on Sunday, the transmission to CIO on 14750 kHz at 14:45 UTC carried ARQ-E-288 audio from C37A, who was busy on 16312.5 kHz.

---

Irish military update.

- The following list of freqs is used by the Irish Air Corps Fishery Patrol Casa aircraft.
  - A 3060, B 5375, C 5708, D 5724, E 5769.5, F 6682, G 6766, H 8980, J 9020, K 11265, L 13210, M 13250, N 15053, O 15074, P 17990, night 2440 and day 4450 kHz.
- Ed Deasy copied G-Tor transmissions on 14637.9 with the callsign "MOVIL 1". The Irish Air Corps does use G-Tor on 5.690 and ch 73 in the marine VHF band as well.
- On 1st April at 1808Z "Zero A" was selcalling MPCY on 4751.5. The Spanish police were also on freq in SITOR A and this appeared to annoy "0A" who sent millions of MPCY selcals!!

---

Russian digital.

The Russian 81-81 mode is very popular nowadays. A reliable source tells me that 81-81 in its 81 baud variant is used by the Russian Civil Railway Authority and the 40.5 and probably also the 36 baud variants are used by various Russian military elements. The Navy is a heavy user of 40.5 baud variant.

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Diplo Corner

First this sad news from Ireland: The RTTY HF diplo transmissions have recently discontinued. The rotator for the large log-periodic beam on the Dept of Foreign Affairs seized up, and the antenna has been removed. All comms are currently by satellite or land line. I am sorry to hear this. Guess we don't have to cover this country in the Diplo Corner..... Oh well, the show must go on so this month we'll focus on Egypt. Many thanks to Day Watson, Mike Chace and NN..... you know who you are :-)

---

Logged frequencies:

As notorious for continually changing frequencies it is impossible to maintain a reasonably accurate list. The following frequencies have been logged.
<table>
<thead>
<tr>
<th>selcal</th>
<th>Location</th>
<th>selcal</th>
<th>Location</th>
<th>selcal</th>
<th>Location</th>
</tr>
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<tbody>
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<td>KKBB</td>
<td>Kinshasa</td>
<td>RCVB</td>
<td>Washington</td>
<td>XBKH</td>
<td>Berne</td>
</tr>
<tr>
<td>KKE</td>
<td>MFA Cairo</td>
<td>RCVT</td>
<td>Washington</td>
<td>XBVA</td>
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<tr>
<td>KKBV</td>
<td>Addis Ababa</td>
<td>SSBB</td>
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</tr>
<tr>
<td>KKV1</td>
<td>Dar el Salam</td>
<td>SSBU</td>
<td>MFA Cairo</td>
<td>XBVP</td>
<td>Rome</td>
</tr>
<tr>
<td></td>
<td>or Lusaka?</td>
<td>STTA</td>
<td>MFA Cairo</td>
<td>XBVQ</td>
<td>Paris</td>
</tr>
</tbody>
</table>

- Reported frequencies:
  - 5076.7  6711.7  6781.7  6871.7  7726.7  7728.7  7823.7  7817.7
  - 9102.7  9124.7  9186.7  9216.7  9226.7  9313.7  9316.7  9331.7
  - 10016.7 10031.7 10161.7 10241.7 10401.7 10417.7 11166.7 11241.7
  - 11291.7 12219.7 12469.7 12546.7 13176.7 13318.7 13341.7 13446.7
  - 14043.7 14046.7 14101.7 14334.7 14445.7 14543.7 14551.7
  - 14821.7 14867.7 14961.7 14971.7 14986.7 15021.7 15047.7 15889.7
  - 16009.7 16011.7 16013.7 16020.7 16141.7 16147.7 16156.7 16171.7
  - 16203.7 16327.7 16321.7 16327.7 16331.7 16501.7 17171.7 17236.7
  - 17464.7 17576.7 17961.7 18005.7 18033.7 18201.7 18216.7 18251.7
  - 18668.7 18721.7 18751.7 19036.7 19041.7 19286.7 19486.7 19818.7
  - 20304.7 21011.7 21376.7 23006.7 25063.7

- Transmission modes used:
  - Sitor/A 100bd E 170
  - Sitor/B 100bd E 170
  - TWINPLEX 300/-100/100/?

- Notes on operation:
  - [SAT][SUN]
  - # Dual frequency.
  - # Uses ATU80 Arabic
  - # Occasional English header/text
  - # Off line encryption.
  - # Message ends with HUXD. Transmission ends with YKS YKS
  - # Frequencies are always at .7
  - # Numerics eg date/time are written right to left.
  - # eg: 0381 42/1/2991 is 1992/1/24 1830 or 24 Jan 1992 1830LT
  - # Times are local.
  - # Signals may maintain a constant mark or space between bursts. This is considered Cairo only who has access to higher powered transmitters required for the high duty cycle. This transmission method allows the embassy to use AGC where the signal strength is weaker/fluctuating at the embassy location due to limited aerial configuration. Embassies are unlikely to have other than low power transmitters thus unable to utilise this high duty cycle mode.

- Reported callsigns/selcals for MFA and embassies:

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<th>selcal</th>
<th>Location</th>
<th>selcal</th>
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<td>Bonn</td>
</tr>
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<td>KKV1</td>
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<td>Rome</td>
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WUN-v02

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<tr>
<td>faj = number</td>
</tr>
<tr>
<td>jg = from</td>
</tr>
<tr>
<td>kds = to</td>
</tr>
<tr>
<td>yfasr = telegram</td>
</tr>
<tr>
<td>yks yks = bi bi</td>
</tr>
<tr>
<td>yphkg = embassy</td>
</tr>
<tr>
<td>dgmg = London</td>
</tr>
<tr>
<td>kdakrfr = Cairo</td>
</tr>
<tr>
<td>Khargia = is MFA Cairo</td>
</tr>
<tr>
<td>Boustan = is embassy</td>
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<th>Sample message formats:</th>
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<tr>
<td>yfasr faj 44/25 0381 42/1/1991</td>
</tr>
<tr>
<td>jg yphkg dg-----mg</td>
</tr>
<tr>
<td>kds bkfqsr kdakrfr jwkhy qjkor klfllysr z. klfllyk ofysr</td>
</tr>
<tr>
<td>nakusr jodljkh yphkg // jlpwl. kdfsksx.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Example #2 - off line encrypted msg from Tripoli to MFA Cairo</th>
</tr>
</thead>
<tbody>
<tr>
<td>from boustan tripoli to khargia cairo</td>
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<tr>
<td>d/t 24/12/95</td>
</tr>
<tr>
<td>44444 90090 32432</td>
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| syncb ~wkdl xuaj~ ebsff qfvmv lhwha tfdfy sqffo pnwq~ eljya |
| rgyvi feuq bacye rkpvy ulgq dwhgtq jlhic zfqjz bxsmh qiqso |
| pwnmj hwdub avlw acean ~sqy hlnlg bewmm qcafi grrnl qdlym |
| pxprv kdoor ybflj puwso dvywf rycrr udoqg srkok oewjy vrcm |
| wqdhg wmpwh qgwhh hvoba mtriv qmash fildp rpyppv lxwxb dxcuu |
| zhdbb rbqggz vqibi syvus dgarf arzpw ujlga axmly sbwv ciqnc |
| yqirr zjpxe avrrg hmsni ycje~ gecxz dlmcrc fosjw hucph gqiitr |
| kvyua xdbrb cktit qapma rdd-u bhbor oianx scglj voipj ygyxrr |
| ufxhy ibil~ rfkkk addyu keigd qgtqq ncme rebmx okto ogxph |

Pagina 476
That brings us to the end of this month's Digital Review. Thanks everyone for your contributions. CU all next month. Enjoy! -Ary-

============================================================================

The WUN Military Column
Jim Pogue, editor  (kh2ar@aol.com)
P.O. Box 3888
Memphis, Tn 38173-0888, USA

No column this month from Jim. However, I did see some information from the Air Force News Service and we have other big news....RD

"ZULU'S"

The big news this month was the start of "Zulu" channel designator use by the U.S. Military. Lot's of hard monitoring by WUN Members have produced this list so far confirmed:

Z135  4745
Z145  5705
Z150  5800
Z165  6757
Z170  7831
Z175  9016
Z180  9057
Z190 10204
Z200 11181
Z205 11494
Z210 11229
Z215 13242
Z220 13245

Jeff Haverlah listed there other designators not yet found and had this to say: "They seem to be Z100; Z105; Z115; Z130; Z140; Z155; Z160; Z185; Z195; and designators above Z220 (Z235 has been referenced on the net), plus the two non zero/five designators heard referenced: Z124 and Z211. Looking at the spacing, the OR freq list posted by Larry Van Horn, the "old" designator list, and keeping in mind the Z205 monkeywrench, a prime candidate for Z100 might be 3032.0 (old Wh100) with a bunch of 3 mhz USAF designated OR freqs between 3032. and 3146.0. Candidates for Z115 might be the USAF OR freqs between 3134.0 and 3146.0. Candidates for Z130 might be 4742.0 (part of the "old" designators) or one of the other USAF designated OR freqs between 4718.0 and 4742.0. As I strongly suspect that 6715.0 is part of the ZULU plan, it could be Z160; if it is, then possibly a good candidate for Z155 would be the Beeb freq of 5875.0, a known, used, WHISKEY designator - they seem to be using most or all of the lower WHISKEY freqs in the new bandplan. If 6715.0 is Z155, then maybe something like 6727.0 or 6733.0 might be Z160. A candidate for Z185 might be the qrm magnet 9809.0, used at one time as W-107. I have no idea for Z195 (other than 11178.0.) Or, maybe none of the above. But, they'd be part of a search scheme."

The NIGHTWATCH nets have been the primary users of these designators so far. Any additions the list is appreciated!

Pagina 477
AFMC commander lauds JSTARS by Andy M. Drury

ROBINS AIR FORCE BASE, Ga. (AFNS) -- On every front, ranging from acquisition reform to the front lines of battle, the Joint Surveillance and Target Attack Radar System, or Joint STARS, program has been a "shining example of success," said Gen. Henry Viccellio Jr., commander of Air Force Materiel Command, at an aircraft turnover ceremony Tuesday morning. The 93rd Air Control Wing accepted the first production E-8C aircraft from the Air Force Materiel Command.

The Joint STARS program, brand new to the Department of Defense, and a joint venture between the Air Force and Army, will boast a 19-plane fleet by 2004 that will be outfitted with the most advanced technology in radar and computer data systems.

The planes are the first developmental aircraft ever to be called to war. Joint STARS aircraft have been used in operations Desert Shield and Desert Storm, as well as Operation Joint Endeavor late last year. Joint STARS is a long-range, air-to-ground surveillance system that has the ability to locate and track ground targets, as well as transmit data to mobile units on the ground.

"Your teamwork both on and off the field has been a perfect model for joint operations," Viccellio said. "This is the most advanced air-ground surveillance system in the world."

In terms of acquisition reform, the program has reduced requirements for defense acquisition board documents from 46 to eight and has reduced the number of data submissions required from the contractor from 250 to 52.

Repair cycle times have been reduced by 18 percent, Viccellio said. In addition, the local depot saved more than $30 million by ensuring that Robins personnel can use existing technical data in place.

"Joint STARS is nothing less than a supernova," Viccellio continued, praising the various team players involved in the project. "This has been teamwork at its very best. We never want to fly in combat without a Joint STARS kind of system."

Gen. Richard Hawley, commander of Air Combat Command, said the aircraft has already proven itself. "It is a real tribute to the scientists, engineers, technicians and the Army and Air Force teams who had the vision to say we can build an airplane that can deliver a picture of the ground situation equivalent to what we enjoy with AWACS in the air," Hawley said. "(The planes) have gone to combat twice and saved American and Allied lives."

When the full complement of Joint STARS arrive at Robins over the next eight years, the program will employ 2,500 civilian, contract and military personnel.

Air Force redesignates AFC4A as Air Force Communications Agency

SCOTT AIR FORCE BASE, Ill. (AFNS) -- The Air Force Command, Control, Communications and Computer Agency was redesignated as the Air Force Communications Agency during a ceremony June 18 in front of the Lt. Gen. Harold W. Grant building here.

The renaming is part of the Air Force plan to integrate the Information Management functional area with the Command, Control, Communications, and Computers functional area.

"Although our name has changed, our mission stays the same," said Col. Patrick M. Ryan, commander of AFCA. "We will continue to ensure the C4 and information systems used by warfighters are integrated and interoperable.

"The name change is intended to simplify our connection to the Air Force mission," said Ryan. "We work programs supporting the entire command, control, communications, computers, intelligence, surveillance and reconnaissance range, but there comes a time to reduce the fog rather than
enhance it, and now is a good time to do so for us. We will still do all of what we have been doing, but it will be under the simple word 'communications.'"

AFCA retains its current structure of four directorates and an operating location. The directorates are Interoperability and Technology, Systems and Procedures, Plans and Analysis, and Resources. The operating location is the C4 Technology Validation Office at Barksdale Air Force Base, La.

AFCA, a field operating agency, continues to report directly to the Air Force deputy chief of staff for Communications and Information. The Agency provides HQ USAF/SC the expertise needed to effect integration and interoperability among command, control, communications, computers and intelligence systems across the Air Force.

The Agency's role includes: planning and engineering technical support to HQ USAF/SC; engineering technical support to the major commands; and functional support to other Air Force offices and DOD agencies.

U.S. Coast Guard

Al Quaglieri found this information while web surfing:

RESCUE COORDINATION CENTER (RCC) CLOSURES

Coast Guard Atlantic Area has transferring all search and rescue responsibilities from RCC New York to RCC Norfolk VA. RCC New York is now closed. The new emergency phone number for RCC Norfolk is (804) 398-6231, fax (804) 398-6392. RCC New York telex number 127775 should be retained. Emergency calls over Inmarsat satellite telephone in Atlantic Ocean Regions East and West normally routed to RCC New York will instead be routed to RCC Norfolk. The Coast Guard has closed RCC Long Beach CA, transferring responsibilities to Alameda CA.

COAST GUARD TELECOMMUNICATIONS PHOTOGRAPHS

Photographs of the Coast Guard's new Transportable Mulit-Mission Communications Central are now available in the /marcomms/cgcomms/cgimages subdirectory. These transportable units provide emergency secure and non-secure satellite, HF and cellular communications.

That's it for this month. Hopefully Jim will be back next month or we'll have a back-up editor. -RD

============================================================================

New Products, Books, News and Reviews
Rick "RD" Baker, editor
1352 Cavalcade Dr., Austintown, Ohio 44515-3844
utelistener@msn.com or ae411@yfn.ysu.edu

| Items to be reviewed, information about new products, books, software, or events that would be of interest to the WUN membership, send them in care of this column (not via the clubs D.C. address to save mail costs) |

NEW PRODUCTS

- Test und demonstration cassette Funkdienstsendungen by Siebel-Verlag

Or, Test and Demonstration Cassette of Utility Transmissions. This tape is from the publishers of the Spezial-Frequenzliste reviewed in this column in the March 1996 WUNNEWS. This is a cassette tape of various digital modes one can hear on shortwave. The purpose of course, is to give the digital hobbyist a chance to hear and actually decode these modes so that he may learn their characteristics.

Included on the cassette are: 'Messton' or BFO-pitch for 800 Hz (CW)/1750 Hz (most RTTY)/1900 Hz (FAX). These are useful on some decoders so you can mark the audio frequencies on the scale, the telereader CD670/660 for instance. Additionally, the length of the 3 differently pitched tones can be used to adjust or control the speed of the cassette-player used: they all are exactly 60 seconds, and if your player makes it in 57 seconds, then the 100 Bd signal from the cassette would come up with 105 Bd (= 5% faster !!). Other modes are: RTTY: (baud/shift) 50/1000, 50/425, 50/170, 75/520, 75/850, and...
100/850; Sitorh-A; Sitorh-B; ARQhE 3 192 baud; ARQhM 2 200 baud; ARQ-E 96 baud; FEC-A 96 baud; POL-ARQ 100 baud; ROU-FEC 164 baud; SWED-ARQ; TWINPLEX; PICCOLO-6; FAX 120/576; FAX 90/576; and CW.

The digital examples recorded are mostly in German, but that's not too bad for us non-German speakers since the decoder does decode them regardless. But a little harder are the explanations of the modes in German on the tape. I had no clue other than the modes are marked on the cassette in standard abbreviations as listed above and as such, my poor German didn't matter much. Cassette tape recorders are commonly found in most members shacks, so no special equipment is needed to play the tape. I used a Realistic CTR-62 portable from 'Radio Shack' during this review. The sound was fine and the modes that I could decode on my M-1000 worked well. It was interesting hearing how some of these modes sound.

As with Spezial-Frequenzliste, there are no U.S. distributors. However it can found at your favorite seller throughout Europe or it can be ordered direct for a price of 19.80 DM, or about 20 US-$ including postage and handling. For more information contact Siebel-Verlag, Auf dem Steinbuchel 6, D-53340 Meckenheim, Germany.

NEW WEB SITES

o David Toste up in Toronto Canada forwarded the following new site:
"I just found this on the web while surfing. Looks interesting from what I saw, but it's very limited before it goes to Fee based."

Is Your Flight Is On Schedule?
HOLLYWOOD - American Weather Concepts (http://www.amerwxncnpt.com) is beta testing a new Web service that promises to provide real-time flight information, Variety reports.

"Flyte Trax" (http://www.amerwxncnpt.com/FlyteTrax/flytrax.html) offers a form that asks for the airline, flight number, destination airport and state. It returns a brief status message and graphic, based on FAA data, AWC said.

Official release is set for June 1 and it will then become a fee-based service, costing $2.50 per inquiry. The service will initially track only commercial aviation but the company says general aviation data is expected in early July.

o Rory Davis sent the following about the nice folks at Globe Wireless:
Greetings fellow WUN'ers: Globe Wireless now has a WWW homepage located at: http://www.globewireless.com/
and has lots information of interest to maritime UTE DX'ers.

o Robert Margolis forwarded another maritime coastal web site:
Madrid Radio, Spain
For those WUNsters with Internet Web browsers, Madrid Radio, Spain, has an informative site at http://www.abaforum.es/is/digigrup
Move to subdirectory "nautihf.htm" and you'll find a listing (Frecuencias nauticas HF) of maritime radiotelephone frequencies around the globe that the staffs at Madrid believe would be of interest to utility station listeners, and another listing (Frecuencias de Madrid-Radio, y explicacion de su funcionamiento) containing Madrid Radio's frequencies and the corresponding ship responding frequencies, along with the hours of service on the radiotelephone channels. For those with RTTY decoders, a second subdirectory "nautihf2.htm" provides "Radio-telegrafia y Radio-telex nautico" information, including various EAD/EDZ call signs, frequencies used, and hours of operation on each data channel.

Madrid Radio also has a subdirectory for its VHF operation, and subdirectories of interest to Amateur Radio operators, shortwave radio broadcast station listeners, and listeners of the various Amsat satellites around the globe.

All information is in Spanish, of course, but that does not interfere with understanding the above-mentioned files if you don't know the language.

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Mike Chace (mikec@praxis.co.uk) now has an updated web page for Numbers Stations...
You can find a full list of frequencies and these stations and others on my web pages at: http://itre.ncsu.edu/radio/numbers.html

SOMSER BBS up and running in Spain
From: somser@besos.hnet.es (SOMSER BBS)
This BBS is working in Spain and his address is http://www.somser.hnet.es (194.177.1.171) Now we are in a period of a test and it's going to be working every day from 20:00 to 6:00 GMT and from 10:00 to 13:00 GMT 20.000 files. 10 GB on disk. No CDROM, 50 files new per day plus 200 areas. You are a "guest". I would ask that they leave me their opinion and their comments to the sysop in order so it can improve.

WEB (SOMSER BBS)
Nuevo BBS que es un BBS, el primero que existe en España
La dirección es: http://www.somser.hnet.es (194.177.1.171) Estamos en periodo de pruebas y estará en funcionamiento desde las 22:00 a las 8:00 y desde las 12:00 a las 15.00 GMT Tenemos más de 20.000 en disco. 10GB sin CDROM 50 ficheros nuevos cada día. Más de 200 áreas diferentes. Estás invitados, esperamos vuestra conexión. Agradecería que dejaran su opinión y sus comentarios al sysop para poderlo mejorar.

I understand this is a WUN distribution site also...ED

SHOT IN FOOT DEPT
In the April 1996 edition of WUNNEWS in this column I reviewed the freeware program IDENT2. It was sent to me to review by Ary Boender and since no authors name was listed, I *assumed* he developed the software. Not so. Jan Terveer is the man to thank and who should be credited for the hard work that went into IDENT2. So a tip of the hat to Jan and as Maxwell Smart use to say "sorry about that..."

Ok, all there is time for this month. Next month I hope to have done the review on the 1996 Super Frequency List on CD-ROM from Klingenfuss. Lot's more items that have come in the mail bag that I'm looking forward to sharing with you. New books, software and programs on the horizon.

Nautical News
Utility Monitoring in the Maritime Bands
Editor: Jim Pogue (kh2ar@aol.com)
P.O. Box 3888
Memphis, TN 38173-0888 USA

No column from Jim this month so Marty Barry filled in to pass some info:

Something that high-seas radio enthusiasts might find useful in helping to identify the many research-oriented vessels that ply the world's oceans is the University of Delaware College of Marine Studies' online database of research ship information and cruise schedules (http://diu.cms.udel.edu/ships/). The database, which contains information on research vessels from most countries, is fairly straightforward in its use, with a surprising number of vessels entered, and a remarkable amount of information returned pertaining to individual ships.

For example, for the Alfred Needler, a Canadian fisheries research vessel working out of Nova Scotia, the following information came up:

Alfred Needler Vessel Data
--------------------------------
Vessel and Contact Information
Globe Wireless announced in May its takeover of the former Voice of America, Dixon, CA relay site. The former Dixon Relay Station, located eight miles Southeast of Dixon, California, will be used to connect vessels in the Pacific Ocean with land based electronic mail systems, including the Internet.

Quoting from a Globe press-release:

"The history of the Dixon Relay Station goes back more than fifty years. Construction began for the radio transmitting facility at the 640 acre Dixon site in 1943. The Voice of America used the Dixon location, starting in 1944, to broadcast information and entertainment to shortwave radio listeners in Asia and the Pacific. Until 1963, the National Broadcasting Company (NBC) operated the site under contract to the US Government. Transmissions from the Dixon Relay Station ceased in 1983. The VOA used three Collins 250 kilowatt transmitters and two General Electric 100 Kilowatt transmitters when the facility was operational. Still remaining on the site are two massive dipole curtain arrays and ten rhombic antennas, most still in operating condition. Skeletons of the GE and Collins transmitters also remain. Globe Wireless plans to install transmitters and antennas for its maritime public coast station KFS at the new site. The current KFS transmitter location, in Palo Alto, California, will be phased out of operation over the next few years. This is only a partial list of data that was returned for the Needler, and much of it could prove useful in identifying or even QSL'ing this particular vessel, or any similar one overheard on HF. Note that not all of the data-base's fields are filled in, but that some vital information might be available for other vessels. In some cases, rather than consulting a lot of hard-bound volumes of maritime or nautical information, the task may in the future be as simple as going to an Internet data-base like this and getting what you want in a fraction of the time.

# # #
next few years."

And since these seem to be pretty high-times for Globe, perhaps a short rundown of their history is in order:

The name Globe Wireless was first used, in 1930, by a company previously called Dollaradio. The Dollaradio company was formed, in 1926, to communicate with the ships of the Dollar steamship line. The company pioneered the use of High Frequency radio for ship to shore communication.

The name change to Globe Wireless was coincident with the company's expansion to a public coast station. Messages were accepted from the general public for delivery to passengers aboard Dollar vessels and to land points in other countries. Messages were delivered on land, at both ends, using the local post office; the name Radio Mail was used to describe the service. It also provided point to point HF radio service between its eight worldwide shore stations.

Other developments:

1960 - Globe Wireless was sold to IT&T MacKay Radio.

1967 - Press Wireless folded; some transmitters of KTK were moved to the Palo Alto transmit site of KFS. The KTK call, and the point to point frequencies, were eventually phased out.

1988 - IT&T sold KFS to Western Union

1990 - Western Union sold KFS to private investors. The new company was called KFS World Communications.

ARA Free Press is the "Weekly Union Newspaper of the Sea," put out by the Marine Electronics Division of the AFL-CIO. It is broadcast regularly over HF channels. The following excerpt regards FEC transmissions of the Free Press in the southern hemisphere:

Radio Officers Only: Effective June 16, 1996 ARA Press commences FEC broadcast at 0517GMT via ZLA/Awanul New Zealand Radio. ITU Ch 402 (4211.0 Khz), Ch 602 (6315.0 Khz), Ch 802 (8417.0 Khz), Ch 1202 (12580.0 Khz) and Ch 1602 (16807.5 Khz). ARA Press requests ship position and reception/propagation reports to (212) 809-0600, Fax (212) 809-2198. BT...

And the MEBA Telex Times is the official union newsletter for D1 Marine Officers at sea. The Telex Times is broadcast on WLO Mobile, KFS San Francisco, KEJ Hawaii, WNU New Orleans, VCT Newfoundland, SAB Sweden and ZLA New Zealand, using channels assigned for FEC transmission.

Craig J. MacKinnon up in Halifax, NS, Canada reports that the Maersk Dubai, a Taiwanese-flagged ship has "been detained in Halifax pending investigation and charges of murder of three Romanian stowaways in the North Atlantic. The captain, first officer and radio officer were all arrested when the famed Royal Canadian Mounted Police boarded the ship recently."

"Crew members alerted the Mounties after the Dubai came into port last weekend. They said the officers threw the stowaways overboard after their discovery. A fourth man was hidden by the crew. He will remain in Canada for now. Bringing stowaways into Canada is costly. The shipping company would have to pay a fee of $7000 per stowaway."

Interesting item, eh? Thanks Craig.

Craig also got to see the USS Theodore Roosevelt while it was in harbor recently, as well as the new USCGC Juniper, lead ship of the Juniper-class buoy tenders.

Rick Baker reports that the SS Jeremiah O'Brian, one of two remaining
WWII vintage "Liberty" ships, will be at sea again. The ship will visit the Pacific Northwest and British Columbia in late June and early July. The tentative schedule is:

- Victoria, BC  arrive June 24 or 25
- Seattle, Wash  arrive July 2
- Vancouver, BC  arrive July 10

WUN'er Dick Dillman reported on one of his visits to this rare ship:

"The Jeremian O'Brien is a favorite of mine, having been moored just outside my window when my office was at Ft. Mason in San Francisco. Now she's moored at pier 32 along the Embarcadero where more people can see her. She's open to visitors every day.

Recently a friend and ship enthusiast visited town. He wanted to see the ship and it seemed like a good time to renew our acquaintance. If this was a steamship newsgroup I'd tell you of the wonders of the triple expansion engine, etc. But I'll confine myself to the radio room.

This was restored by the members of the San Francisco Radio Club. As a former radio officer, I get a wink and a nod when I take down the chain across the door to step inside, as I did to give my friend a better look. The thing I like best and which I wanted to point out to my friend is the emergency receiver: a hunk of galena and a cat's whisker mounted on the panel next to a tuner. Good for spark and maybe A2. Forget straight CW.

As to that SITOR transmission, I noted a modern Raytheon automatic antenna tuner on the bulkhead. After tracing the wires I found, hidden discreetly by a cloth, a Raytheon HF transceiver tucked over in the corner next to the console."

Thanks Dick, for the report. The callsign is KXCH, and if you are lucky enough to log her, you can try this address for a QSL: SS Jeremiah O'Brien, Building A, Fort Mason Center, San Francisco, Ca, 94123, USA

###

Al Quaglieri found this maritime info during the same surfing session:

HF VOICE BROADCASTS TERMINATED FROM MOBILE MARINE RADIO/WLO, MOBILE AL.

Mobile Marine Radio has terminated HF single sideband voice broadcasts of the Gulf of Mexico offshore marine weather forecast. This information is still being broadcast by the Coast Guard over NAVTEX and 2670 kHz single sideband. Caribbean area forecasts are also broadcast on HF radiotelephone channels by CG CAMSLANT/NMN.

Until next time, "May the roads rise with you/And the wind be always at your back..."

A big thanks to Marty for pinch-hitting this month -RD

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**THE QSL REPORT**

Editor: Martin C. Barry <martin.barry@medspec.com>
6875 Fielding #02
Montreal (Quebec)
Canada  H4V 1P3

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<table>
<thead>
<tr>
<th>STATION VERIF/CALL/FREQ/MODE/TYPE QSL/NO.DAYS/REMARKS/CONTRIBUTOR</th>
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</thead>
<tbody>
<tr>
<td>CIVIL SHIPS</td>
</tr>
<tr>
<td>Cromarty Tide/GUJB           2182.0 USB PFC 102 ds                (AI)</td>
</tr>
<tr>
<td>Veesea Tornado/VRUD4         2182.0 USB PFC 104 ds  + photos      (AI)</td>
</tr>
<tr>
<td>M/V Pacific Aries/ELJQ2      4197.0 CW  PFC 198 ds  car transp,  (JSM)</td>
</tr>
</tbody>
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FIXED STATIONs
NDB La Entallada/NA  291.9 A2A LTR  23 ds (hrd on CNR) (AI)
NDB Cabo Villano/VI  290.5 A2A LTR  23 ds (hrd on CNR) (AI)
NDB Lagos/LGS     364.0 A2A PFC  32 ds+ltr (hrd on CNR) (AI)
NDB Plaisance/FF   258.0 A2A LTR 246 ds 3fup's (hrd on MAU) (AI)
NDB Nouvelle France/NVF  374.0 A2A LTR 246 ds 3fup's (hrd on MAU) (AI)
NDB Funchal/MAD    318.0 A2A PFC  34 ds f/up (hrd on MDR) (AI)
NDB Porto Santo/PST  338.0 A2A PFC  34 ds f/up (hrd on MDR) (AI)
NDB Montserrat/MON  215.0 A2A PFC  54 ds f/up (hrd on GDL) (AI)
NTRA Soll/LN2A     10407.0 A2A QSL 437 ds card no.3! (AI)
MARS Director Reg. 1/NNNOASI  14470.0 USB PFC  16 ds (AI)
CFARS Greenwood, NS/CIW82  14383.5 USB PFC  38 ds + ham-crd (AI)
USAF McLeLan AFB/AF12  13200.0 USB PFC  18 ds (AI)
AF Valkenburg/PBV  5705.0 USB PFC  14 ds + viewcard (AI)
RAF Neatishead/Neatishead'  3939.0 USB PFC  14 ds + viewcard (AI)
Police HQ Antigua/ZOA  785.0 USB PFC  54 ds (AI)
TS Moscow/RWM     9996.0 CW QSL 46 ds (AI)

MILITARY/GOVERNMENT AIRCRAFT
Nippon Cargo 083/JA8194  8891.0 USB PFC  18 ds B747-200F (JSM)
Transcolombian 430/HK-3816  6637.0 USB PFC  31 ds DC8-51F (JSM)
LTU 769/D-MUW    6556.0 USB PFC  30 ds B757-200 (JSM)
Zimbabwe 725/Z-WKU  8903.0 USB PFC  28 ds B707-300B (JSM)
Brunei 97/V8-RBF  6556.0 USB PFC  21 ds B767-300ER (JSM)
Fine Air 432/N507DC  6637.0 USB PFC  17 ds DC8-51F (JSM)
DSC 405/SX-JET  8903.0 USB PFC  12 ds B707C-351 (JSM)
Southern Air 873/N873SJ  6337.0 USB PFC  16 ds DC8-73F (JSM)
Transair/SB-CGP  8879.0 USB PFC  63 ds L-1329 (JSM)
Pacific Air Express 3517  8867.0 USB PFC -- ds foto, veri. (JSM)

CIVIL AIRCRAFT
Ny Brest/FUE    2789.0 RTT LTR  15 ds (AI)
Ny Bodo/LBJ  6277.0 USB PFC 105 ds + viewcard (AI)
Ny La Spezia/ICS  6873.5 USB PFC  24 ds + viewcard (AI)
Ny Madrid/EBA   14641.0 CW PFC  12 ds (AI)
Melbourne R./VIM  8706.0 CW PFC  23 ds + letter (AI)
Baku R./UON   6400.0 CW PFC  129 ds + ham-crd (AI)
USCG Pt. Reyes/NMC  17151.2 CW PFC  24 ds + QSL, ltr (f/up) (AI)
Bermuda Harbor Radio/ZBM  2582.0 USB PFC 113 ds ltr w/info (TG)
Rogers City Radio/WLC  8794.0 USB PFC  73 ds QSL, ltr, sked (TG)

# # #

*** THE LITTLE BLACK BOOK ***

Regular contributor Andreas Ibold of Germany wrote recently and sent, along with a nice stock of QSL's, the following comments:

"After the very small QSL - Report in WUN May 96 I will send you again my 'results.' Hope it helps. But where are the QSL-hunters of our 1054 members?"

No doubt about that, the Report has been shrinking noticeably the past two issues, although this month it seems to have picked up some. Contributions from you and Steve McDonald have gone a long way to pad out what would otherwise have been a fairly barren column. So consider this an
open invitation, then, Andreas: if you'd like to send us a page or two of Hints to Better QSL'ing, by all means please do so, since your submission this month alone of 29 QSL’s outdoes most other contributors by a long shot.

Andreas also sent the following addresses:

FUE: Marine Nationale
Zone Maritime Atlantique
Service Transmissions et Informatique
de la Region Atlantique
F- 29240 Brest-Naval
NORGE

NNNOASI
ATTN: Rmc Donnly, Director
NAVMARSCORMARS Region 1
P.O. Box 161
NAVSUBASZ
Groton, CT
06349-5161, USA

The report for Ny Bodo/LBJ was sent to the following address, although the QTH on the PFC returned was Bodo:

Navy Base Harstad
Radiobestyren Heggenradio
Distriktkommando Nord-Norge
6 Divisjon
Divisjonsngatan 3
N- 9400 Harstad
NORGE

CIW82
Greenwood Amateur Radio Club
P.O. Box 63
Greenwood, Nova Scotia
Canada
BOP 1N0

The ham-callsign of the following is VE1ARC:

NDB Plymouth
Blackburne Airport
Telecommunications Manager
P.O. Box 344
Plymouth, Montserrat
West Indies

Voice:  (809) 297-1010
Fax:    (809) 297-1530
Telex:  3208 RCC BA
E-mail: rccbda@ibl.bm

He also points out the following concerning two of his loggings:

"LN2A: The full detailed pictured QSL-card #3 was sent without any f/up as a second reply for a 1995 report. NTRA is the Norwegian Telecommunications Regulatory Authority. NMC: F/up for a 1993 report. Operation of this circuit ceased April 1, 1994. US Coast Guard now operates simplex teletype over radio (sitor-telex) in place of all Pacific morse (cw) operations."

Tony Grice sent this address for his QSL from Bermuda:

Government of Bermuda
Department of Marine & Ports Services
Rescue Co-ordination Centre
Bermuda Harbor Radio/ZBM
9 Fort George Hill
St. Georges's, Bermuda
GE02

And for those who will, voice, e-mail and telex numbers are for the same:

Voice:  (809) 297-1010
Fax:    (809) 297-1530
Telex:  3208 RCC BA
E-mail: rccbda@ibl.bm

While for some this may not be one of the most productive months for QSL's, it may on the other hand be one for unusual catches. Tony takes the cigar for his QSL from WLC (see above), the Great Lakes shipping communications relay. Some of us were just recently discussing how WLC has been a hard station to verify.

Concerning his QSL this month for the SS Jeremiah O'Brien, Rick Baker had the following to say: "After almost 2 years, I received a verification card from the Chief Radio Operator, Bob Gisslow, from the W.W.II Liberty Ship SS Jeremiah O'Brien for a sitor shortwave transmission I logged. The ship was in Cherbourgh Harbor, France, at the time. This was during the ship's 1994 '50 year Memorial Cruise' to the beaches of Normandy. She is one of two remaining
'Liberty Ships,' the other being the SS John W. Brown in Baltimore.

Steve McDonald (VE7SL) received a full data verification for Pacific Air Express’s "beautiful old girl" (Steve's words), a Lockheed Electra, including these comments from the airline's managing director, Barry Miller: "This particular aircraft is currently operating between the Solomon Islands and mainland Australia carrying Tuna for the Japanese market. It has been operating this route for approximately 2 months and will continue to be operating in the Australian Pacific region for the next few years."

Steve wasn’t so lucky in his attempt in May to QSL German Air Force 880, for which he received from them the following communication: "Based on internal military instructions we are not allowed to verify QSL cards as you have requested by above mentioned letter. Therefore I ask for your understanding and I wish you a lot of success in collecting reception reports." Steve would like to know how others have fared QSL'ing GAF.

He sent the following addresses to match his veris:

Nippon Cargo Airlines
Flight Operations Dept.
P.O. Box 1025
Tokyo Airport Post Office
Narita
Chiba 282
Japan

LTU Lufttransportunternehmen GmbH & Co. KG
Flughafen Halle 8
4000 Dusseldorf 30
Germany

Royal Brunei Airlines
P.O. Box 737
Bandar Seri Begawan 1907
Brunei

Das Air Cargo
Aviation Court
10-12 Kifissias Ave.
151 25 Amaroussion
Athens, Greece

Transair Ltd.
10-12 Kifissias Ave.
151 25 Amaroussion
Athens, Greece

// Globe Wireless Soliciting Reception Reports //

The question has often arisen among those in this hobby as to just how much utility stations need (or conversely will tolerate) reports sent to them concerning reception of their stations. There are those who claim the utes have no use whatsoever for reception or QSL reports, saying that stations have enough technical savvy to determine their signals' effectiveness without needing to rely on information from listeners. This
argument continues that QSL hunters are basically reliant on the good-will of ute station operators to fulfill QSL requests, since reports are USELESS to stations, and that reception reports may even interfere with the likelihood of being QSL’d, because they compromise the privacy of communications. The other side of the argument is simply that reception reports are USEFUL, for many of the reasons stated above but reversed. I know that over the years I’ve heard both sides, and frankly I still find the USELESS argument the more convincing of the two.

On the other hand there is an old saying that goes something like: “The exception makes the rule.” In which case the Globe Wireless coast station network certainly might fit the description. Globe recently launched its home page on the world wide web (http://www.globewireless.com/), containing an assortment of information about its services, including a section entitled: “QSL’ing Global Radio Network Stations.” I quote from the Globe page:

"Reception data from numerous receiving locations, worldwide, is needed to confirm the coverage area of the network, and especially the newer stations. For this reason, the Globe Wireless Engineering Department is requesting assistance from interested listeners. Send in your reception reports and you will receive a handsome QSL card suitable to display in your radio shack. Every listener is eligible to receive one QSL card for each Globe Wireless coast station received and correctly reported. Reports are needed from ships at sea, as well as listeners on shore. 'We find reception reports from listeners extremely useful,' said Rod Deakin, Chief Engineer, Globe wireless. 'They include valuable technical information and we are happy to send QSL cards in return.' Globe Wireless SITOR transmitters can be easily recognized. They broadcast a unique 'free signal' pattern, followed by the station's call sign, when not otherwise in use. Similarly, available CW transmitters broadcast a repetitive 'wheel' including the call sign and other information. The six traditional maritime HF bands -- 4, 6, 8, 12, 16 and 22 megahertz -- are utilized by Globe Wireless stations. To be of maximum value to the Globe Wireless Engineering staff, reception reports should contain the following information:

- Date and Time (UTC) of your reception
- Call Sign (QRA) of the Globe Wireless network station heard
- Either the actual frequency (QRG), or ITU channel number
- Mode of transmission heard (SITOR, CW, etc.)
- Signal strength (QSA) and quality
- Any interference (QRM) heard on frequency, or on adjacent channels
- Did you hear traffic or idle signals? If traffic, whom were we working
- Model number of receiver and type of antenna used
- Location (QTH) of your receiving station
- Any other comments

Include a complete mailing address with all reports so that we may send your QSL card by return post. Ships are requested to include either the address of the vessel’s home port or the Radio Officer's personal address. Please send your reception reports for all Global Radio Network stations to:

Globe Wireless
Attn.: Engineering Department
One Meyn Road
Half Moon Bay, CA
94019
USA"

That said, this ought to put to rest at least for a while the argument that utility stations can't use reports. Maybe too it'll set an example for some of the other stations to open up a little more to listeners and QSL's.

# # #

Thanks to this month's contributors:
(AI) Andreas Ibold, Germany
(TG) Tony Grice, USA
Hello everyone. I have a nice variety of items for you this month. First of all the first of 2 items written by Angelo Brunero from Italy about the history of radio and telegraphy. Angelo is one of the people behind the interesting Marconi home page. He was so kind to grant WUN permission to publish the articles in the newsletter. Grazie Angelo!

**EAMs revisited.**

Jeff Haverlah (jehaverlah@aol.com) was the inspiring force behind the EAM articles in our July and August newsletters last year and he is still very active. Here a short update compiled from his latest postings.

EAM strings are boring for a lot of people, but every now and then there are internal characteristics that sometimes call attention to themselves. There are no zeros, ones, eights, or nines in the EAM strings at least since 1994 (the strings in the early to mid eighties and probably earlier definitely contained zeros, ones, eights, and nines 'cause each string contained distinctive plaintext datetime groups starting at the 8th character after stripping out the 5-character preamble.) Or rather that used to be the case....

11244.0 1549z 23 May 96 with OFFUTT as lead GHFS station, with a 108-character EAM as follows: PC6BJV ZTNFNWH27IE2VS75MIEJKAD3JT3IQ5U7WP SZRAHEAL1AEM1AEAN1ATXKMGYTPPUP4AO665CXMN426UX7PKOYPLPJWCKCBVCE7NT5

Rearranging the string (minus the preamble):
ZTNFNWH27IE2VS75MIEJKAD3JT3IQ5U7WPSSRAHEAL1AEM1AEAN1ATXKMGYTPPUP4AO665CXMN426UX7PKOYPLPJWCKCBVCE7NT5

Looking at that middle line...
EAL1 AEM1 A EAN1 ATXKMGYTPPUP4AO665CXMN426UX7PKOYPLPJWCKCBVCE7NT5

There was no mistaking the distinctly pronounced "one"s. In fact the operator read the string so that those miniblocks were slightly emphasised, at least to my ear. He pronounced them as "one" in both read-throughs.

Every now and then, the variable character-count strings will contain groupings of three or more characters that will 'repeat' within the body of the string. That kind of parsing above is very unusual, and even more so with a distinctive "one."

Note the the repeating pattern across multiple EAMs, and the "L" through "N" sequencing within the patterns.

Usually there is apparently zip to be noticed in these things other than the rare repeating text-blocks within a long string. But then, suddenly there are "ones" in the (PC...) EAM strings, and they coincide with repeating, sequencing patterns within "multiple" strings, all of which is way, way beyond "rare" at least in the past few years.

**Eddy Waters from Collinswood, Australia, heard a CIA 'counting' broadcast on a new frequency:**

''I am hearing what I believe is a new channel for the 3/2 numbers groups. The frequency is 8014 khz. It begins at 1100 UTC with usual 10 count and starts its numbers counts at 1110 utc. Has anyone heard this channel before ?''

It is the first time that I have seen a logging for them on this frequency, Eddy.

**Shortwave from space.**

''Why don't you guys never list RS transmissions ?''

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It is one of the questions that I sometimes receive. Well it's simple, the RS satellites are Radio Amateur satellites and are therefore off-topic here. But because it is fun to tune in to 'Radio Sputnik' and the Soyuz space vehicles are here the SW freqs.

RS10: 29357 (CW), 29360-29403 (CW / USB), 29403 kHz (CW)
RS11: 29407 (CW), 29410-29450 (CW / USB), 29453 kHz (CW)
RS12: 29408 (CW), 29410-29450 (CW / USB), 29453 kHz (CW)
RS13: 28458, 29460-29500, 29504 kHz (CW)

Soyuz space craft: 20008 kHz (telemetry)

Another question is about the Russian CW and SSB stations. How is the Russian alphabet pronounced and transmitted in CW? I cannot show you the Cyrillic letters in this ASCII file so I'll try to make it as clear as I can. The first column shows the letter, the second the Morse code, and the third represents the sound.

```
a     - [a]     be     -.... [b]
ve    .- [v]     ge     --. [g]
de    ..- [d]     ye    .-.. [je] or [e]
yo    .-... [jo]     zhe   ..- [zh] like "usually"
ze    ...- [z]     i    ...- [i] like "kid"
j    .--- [j] like "toy"
el    .-.-. [l]     em    h.-- [m]
en    .-.[n]     o     .--- [o]
pe    .-- [p]     er    .-. [r]
es    ... [s]     te    .- [t]
u    -- [u]     ef    ...- [f]
kha  ...- [kh]     tse   ---- [ts]
che  ...- [ch]     sha   ---- [sh]
shcha   -... [shch]     i    ...- [i] like "this"
ae    ..-- [ae]     yu    .--. [yu]
ya    .-.. [ja]
```

Lots of Russian CW stations use a 'T' as a short figure for '0' (zero).

Other short figures may also be used, although less frequent.

David Lane (dave@thelanes.demon.co.uk) recently posted the following list of 'shorts' taken from the official UK Marine ROs Handbook:

```
1 .h   (a)     2 ..h   (u)     3 ...h (v)      4 ....h (4)
5 ..... (5)     6 h.... (6)     7 h... (b)      8 h..   (d)
9 h.    (n)     0 h     (t)
5 is sometimes also shortened as ' ' (e) instead of '.....' (5).
```

A handy help to identify 'letter' stations may be the comprehensive alphabet list maintained by Brian Kelk (bck1@cl.cam.ac.uk).

The list is frequently updated and includes alphabets for the following languages: English, French, German, Dutch, Flemish, Spanish, Portuguese, Italian, Rumantsch, Danish, Norwegian, Swedish, Finnish, Czech, Slovak, Polish, Hungarian, Croatian, Serbo-Croat, Romanian, Turkish, Hebrew, Russian, Swahili, Chinese and Esperanto.

The list is called 'Phonetic Alphabets' and you may find a copy of this list on the World Wide Web at:
- [http://www.cl.cam.ac.uk/users/bck1/menu.html](http://www.cl.cam.ac.uk/users/bck1/menu.html)
- [http://www.columbia.edu/~fuat/cuarc/phonetic.html](http://www.columbia.edu/~fuat/cuarc/phonetic.html)

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THE HISTORY OF TELEGRAPHY

Authors: Angelo Brunero (IK1QLD) & Andrea Borgnino (IW1CXZ)
Translation: Andrea Valori (IK1QFT)
Marconi home page: http://www.alpcom.it/hamradio

Telegraphy (in Greek: writing in distance) is, as we know, a communication system able to transmit signals which represent coded letters, numbers and signs of writing. Telegraphy has very ancient origins, and can be divided
The Greek historian DIODORUS CRONUS (IV cent. B.C.) tells how Persian king DARIUS I (522-486 B.C., son of ISTAPSES, who brought the Empire to its maximum extension from Indus to Danube rivers, and who was later defeated by the Greeks in Marathon) could send the news from the capital to the provinces of the Empire, by means of a line of shouting men positioned on heights. This kind of transmission was 30 times faster than normal couriers. In the "DE BELLO GALLICO" JULIUS CAESAR (100-44 B.C.) writes that Gauls, using human voice, could call to war all their warriors in just three days. Optical telegraphy used fire at night, and smoke or mirrors during the day. In homeric poems is often told of this way of communication. The tragic poet ESCHILUS (525-456 B.C.) describes this in details in his poem "AGAMEMNON". The BIBLE tells us how MOSES drove the Jews in their escape from Egypt by means of columns of fire and smoke. Unique and original is HYDRAULIC TELEGRAPH described by ENEAS THE TACTIC (IV cent. B.C.), device that, according to historians, was invented by the Cartaginesi. It consisted of two cylindrical vases (a transmitter and a receiver) perfectly identicals and placed in two distant hills. Filled with water, they had a floating vertical pole at the center with conventional signs in it. To communicate they just needed to rise or lower the pole emptying or pumping water in the vases to the desired point. Start and ending of transmission was pointed by flags or torches. Over this oddities emerged the OPTICAL TELEGRAPH by CLAUDE CHAPPE (1763-1805) and his brother IGNACE. On may 22, 1792 CHAPPE showed his invention to the French Legislative Assembly which adopted it officially. The first telegram sent with this telegraph announced the victory of CondŽ over Austrians on November 30, 1794. At the time many European states installed on their territories the CHAPPE telegraph. Signals were based on the different positions taken by three wooden interlinked arms, the central one (regulator) being longer than the other two (indicators or wings), and rotating at the top of a vertical fixed pole. The two lateral arms could rotate freely around a center, with displacements of 45ø. The different positions of the arms could transmit nearly 8,500 words of a general vocabulary of 92 pages, each containing 92 words. Only two signals were required for a single word: the page of the vocabulary and the number of the word!

A revolution in telegraphy was consequent to the discovery of electric current, to the invention of the battery by ALESSANDRO VOLTA, and to the studies of ANDRE' MARIE AMPERE (1775-1836). The first telegraphs had two electrical lines, with a galvanometer detecting signals at destination. Subsequently the system was reduced to just one line, since the circuit was closed by the ground. American inventor, and painter of some renown, SAMUEL FINLEY BREESE MORSE (1791-1872) was the realizer of electric telegraph, since years others were working at the same idea. MORSE'S TELEGRAPH is the oldest of all the electric telegraphs. Morse toured Italy in 1830 and painted many pictures while there; he was forced to leave Rome in 1831 due the revolution in the Papal States. In 1832 he returned to America on board the "Sully" when the concept of a "telegraph" based on electromagnetism came to him. In his studio at New York University (in New York City) he worked on his telegraph regularly for six years. He received a patent for his telegraph invention in 1838, also in the same year he completed his last two paintings.

SAMUEL MORSE was a painter of some renown. He made his experiences on electricity in his painting atelier, and his first telegraph receiving instrument was constructed on a "canvas stretcher" frame. A wooden clock motor provided the power to move a paper tape under a pen. The pen was moved by an electro-magnet, driven from the telegraph line. The canvas stretcher was used only as a frame to support these devices. This canvas stretcher telegraph receiver is on display in the Smithsonian Institution, National Museum of American History in Washington, DC. Another of the oldest in the world can be seen in the historical postal and telegraphic museum of Roma-Prati opened in December 20, 1959. It comes from the old Pontificial State and was used to connect Rome and Terracina, starting his service in September 1853). On May 24, 1844 Morse sent the famous words from the Bible, Number 23:23, WHAT HATH GOD WROUGHT! on his telegraph from the US Capitol Building in Washington, DC to the B70 Railroad Pagina 491
The WHEATSTONE needle telegraph comes as an application of the AMPERE telegraph of 1820. In it the current delivered by a VOLTA battery reached the tip of a magnetic needle causing it to oscillate. In the very first models the number of the metal wires and of the needles corresponded to the alphabetic letters: one can understand why its use was fairly complex. A big improvement was made by STEINEL and WHEATSTONE, who used batteries with D.C. and electromagnetical devices; the English physicist CHARLES WHEATSTONE (1802-1875), the inventor of the instrument to measure the electrical resistance, was in effect the first applier of the electromagnet.

Two centuries earlier nonetheless someone must have thought to use magnetic needles to communicate, otherwise the mathematician and physicist GALILEO GALILEI (1564-1642) wouldn't have written in his "Dialogos", and namely in the one between Sagreto and Simplicio, the story of the man who wanted to sell to Sagreto the secret of the system "to talk to somebody two or three miles away by means of that certain attraction of magnetic needles". But when Sagreto wanted a demonstration in his house, the man told him that it was not possible, due to the narrow environment.

In Italy institution of telegraphy starts in 1847, with BREGUET equipments, in the Grand Duchy of Tuscany. In the Reign of Two Sicilies the start of a telegraphic CHAPPE system goes back to 1802: it is described by the historian Pietro Colletta in his "History of the Realm of Naples from 1734 to 1825", published posthumous in 1835. EDUARD HUGHES realized in the U.S. in 1855 a device able to print letters of a dispatch making the paper to advance towards a wheel of types, so that every type could face properly the paper (the system was similar to the one of the old drum typewriters). The current necessary to the printing mechanism was sent by a dial transmitter; a keyboard needed to be synchronous with a crank, which pushed the types to the printer. The multiple printing machine of HENRY AUGUSTUS ROWLAND (1848-1901, improved the diffraction reticles and built an extremely precise spectroscope) was activated between Rome and Naples in 1904. It used persisting A.C. with the frequency of 60 periods per second. The signal was obtained with the conversion of two non consecutive hemiwaves out of a sector of eleven. Since each station (the sender and the receiver) had four sectors, it was possible to send eight simultaneous dispatches. The french engineer JEAN-EMILE BAUDOT (1845-1903), employed in the French Telegraph Administration intended to obtain many kinds of telegraphic transmissions. He had to overcome many difficulties, especially to avoid timing errors between phases of transmission and reception: his studies lasted many years, and only in 1875 he could obtain satisfactory results with a receiver, in which time units needed to print any letter of the alphabet were reduced to five, with the use of all possible combinations (in HUGHES' device time units were 28!). In BAUDOT's alphabet (not code) signals which compose letters differ not only in length but also in their respective position. Emitted signals can control five magnets in any receiver: every signal which occupies only one unit controls only one magnet; if it occupies two units, it controls two successive magnets, etc. until five units. Transmission is made with five keys similar to those of a piano, which are lowered according to a metronome. BAUDOT’S system adopted in Italy permitted two or four transmissions, depending on the importance of the line.

The CASELLI PANTELEGRAPH resolved wonderfully, in the field of electrochemical telegraphs, a problem faced by the English BAIN and BACKWELL at the end of the first half of last century. In 1846 BAIN could reproduce electro-chemically conventional graphic sign using paper soaked in potassium ferrocyanide. BAIN's idea was taken again and even surpassed by BACKWELL, who could send writings instead of conventional signs. Nonetheless both BAIN and BACKWELL were unsuitable: reception obtained with BACKWELL's method was poor, lacking of synchronism between transmitter and receiver. CASELLI overtook both of them with his PANTELEGRAPH or UNIVERSAL TELEGRAPH.
CASELLI's history is very interesting. GIOVANNI CASELLI was born in Siena in 1815; he studied literature and science. From 1841 to 1849 he lived in Modena as tutor of the sons of Marquis of San Vitale, but as he took part in the riots for annexation of Duchy of Modena to Piedmont, he was expelled from the Duchy. He spent all his money saved during his modenese period in experiments which eventually led to his PANTELEGRAPH. Such experiments started in 1855, and ended in Paris, where CASELLI met one of his most enthusiastic admirers: Napoleon the 3rd. With the help of the Emperor he could have at his disposal, for his tests and trials, the whole French network. His first invention was registered in 1861. In 1865 the PANTELEGRAPH started his duty between Paris and Lyon, duty which ended in 1870 following the defeat of Sedan, having been planned new lines. At the time in which the Paris-Lyon PANTELEGRAPH worked regularly, Napoleon, having in vain proposed to CASELLI the French citizenship to allow him access to the rank of general inspector and co-ordinator of the French telegraph, awarded him the Legion of Honor. The PANTELEGRAPH worked also between London and Liverpool in order to build up a public service. But the program was witheld because of the economical crisis which in 1864 stroke badly England and the Financial Society, with which CASELLI had undertaken the final agreements. Even Russia was interested in his PANTELEGRAPH, but instead of creating a public service, it was used to send messages between the two imperial residences of St. Petersburg and Moscow. Some of CASELLI's inventions were: an electrical marine torpedo which came back to the launching point in the event of missing the mark, an hydraulic press and an instrument that measures the speed of the locomotives. CASELLI died in Florence in 1891.

That brings us to the end of this Utility Round-up. I hope you liked it. Please, send me your findings, news or other hobby related stuff. All your contributions are highly appreciated. A big 'thank you' goes to this month's contributors. CU all next month.

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Hi and welcome to another fun-filled edition of WORLD BANDSCAN. This month we'll take a look at the 7700-7799 Khz range. I'd like to thank Guy Denham, Day Watson and Roger Caird for their contributions this month and want to encourage everyone to please contribute something. I would bet that EVERY one of you has at least one logging in this range that no one else has ever heard!!! Such is the nature of utilities... So send 'em in next month for the 7800-7899 range before it's too late!

A reminder for the newer WUN members that the previous editions of WORLD BANDSCAN are available at our web site. If you don't have access to the web, then send me a note and I can transfer the files to you. So far we have covered 7500-7799 Khz. See you in two months!
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<td>Fishermen</td>
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<td>Call Sign/Location</td>
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<td>RTTY/CW</td>
<td>OST33 OOSTENDE RADIO</td>
<td>Belgium May96</td>
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<td>May96</td>
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<td>7777.0</td>
<td>SSB</td>
<td>UNID Two Oriental gents talking</td>
<td>May96</td>
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<td>SSB</td>
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<td>SXA24 GREEK NAVY</td>
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<td>Ch.3E11 April91</td>
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<td>SSB</td>
<td>ROOSEVELT ROADS, PR Relaying KAWN weather-75bd</td>
<td>June96</td>
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<td>7785.0</td>
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<td>CW</td>
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<td>SSB</td>
<td>UNID R wkg PC/7R re start of event 17280 - ment. Alligator/CDCO</td>
<td>May93</td>
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<td>SSB</td>
<td>UNID W1E standing by for RTTY</td>
<td>Jan89</td>
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<td>MEXICO Police</td>
<td>Nov95</td>
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<tr>
<td>7797.0</td>
<td>SSB</td>
<td>UNID Man shouting 'rx chk, rx chk'</td>
<td>Aug94</td>
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<td>RTTY</td>
<td>FKS PARIS, FRANCE FAF 400/50</td>
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<td>SSB</td>
<td>AUSTRALIA Woodside Petroleum</td>
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<td>7799.0</td>
<td>SSB</td>
<td>US AIR FORCE MARS</td>
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<td>SSB</td>
<td>US FED.GOV'T Fed.Emergency Mgmnt Agency</td>
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The WUN Logs Column

Rick "RD" Baker, editor: 1352 Cavalcade Dr., Austintown, Ohio 44515-3844 USA e-mail: utelistener@msn.com or ae411@yfn.ysu.edu

Co-edited by TEAM LOGS:

Andy Brill from Auckland New Zealand (abrill@iprolink.co.nz); Roland Proesch, from Kiel, Germany (Roland.Proesch@kiel.net Surf.de) and Stan Scalsky from Leonardtown, Md, USA (sscalsk@atc.ameritel.net)

Thanks to out to Andy Brill in New Zealand, who is taking over for Carl Quick on Team Logs. If it were not for this crew doing all the hard work formatting members logs into the WUN format, we would not have the logs here to share with you all.

We have 58 contributors this month; a very low number. I hope that is because for some of us summer arrived. But at least a nice variety! As always, we appreciate those who take the time to share their logs. I hope a few more members take some time to send some logs in, even if they are very common, or to you, boring. It may not be boring to others who may never have...
seen that station logged. If you like civil aero, military, maritime, beacons, etc, don't get bummed out cause you don't see a lot in your area of interest. If you share your logs, others with the same interest will come forward. On with the show....

=CIVIL AERO=

2872   Speedbird 198 0116 USB selcal HP-BM wkg Gander/Selcal check (TO)
2899   Gander Radio, NF, (CAN–B MMWRA) 0613 USB wkg American 136
w/selcal ck, FK–BE (DC–9 N428AA) & passes conditions for area 55N/40W at
FL310 (moderate turbulence reported). (RB)
5505   EIP: Shannon Volmet 0550 USB w/w to the area (AW)
5530   VLB1482: 1955 AM (CK)
5532   PH-BUT 0256 USB wkg KLM LDOC/pp to KLM Maintenance Ops (TO)
5535   BAW4 1935 USB Speedbird London/ETA EGLL 2112 req one brass pad-lock
for duty free !! Concorde. (RD3)
5541   SVA5046 2050 USB Stockholm/arr.Amsterdam 0553/20 ETA OEJN
2305 Fuel 96.5 sel/AHDJ N002FF B747 TOW. (RD) Sww3344 2113 USB
Stockholm/New ETA LTBJ 2330. To relay to SWL ops. 9MMAS 2134 USB
Stockholm/dep. VRM2114/24 Fuel 18.2 sel/EGAD DC10. WOA277 2230 USB
Stockholm/Inb/d to Surabaya, Fuel 47.2 N277WA MD11. ANA206 2233 USB
Stockholm/Called several times posn 6N58E. 9MMAV 2240 USB
Stockholm/psn ATIDDA 2222 F330 Fuel 29.8.DC10 WOA. R37205 2242 USB
Stockholm/dep. EKKA 2200/17 ETA KIP 0553 Fuel 159. 5 Nil pax, uplift
16872 USgal sel/JOBE N7658E L1011. (RD3)
5547   San Francisco aero 1300+ USB wkg various a/c, at 1331 there was a
secal check (ALEK) with Northwest 280. (MS4)
5550   New York radio 0926 USB Volmet wx to the area (AW) New York Aero
(CAR) 2215 USB Began to come up. (HW) New York-CAR–MMWRA 0552 USB
wkg REACH 1814 w/posrep, adv 2887 secondary, confirms neg selcal. (RB)
KEYS 81 0037 USB wkg NY/ARP 40N60W F280 .77 (TO)
5557   Nikolaevsk RUS, 1044 USB wkg unid Russian flight in RR (AW)
5574   QANTAS 7554: 1350 USB w/SF (Evergreen 470) req clearance back to LAX;
see 6640 log (JSM)
5598   Shanwick, IRE (NAT–A MMWRA) 0553 USB wkg Delta 22 w/0551 posrep at
Fl350; at 0554 USB wkg Air Europe 725 at 40N/20W 0550 FL350, 48N/08W
next, secal CS-HQ & req FL370. (767–300ER EI-CJB). New York (NAT–A
MMWRA) 0612 USB wkg Avianca 010 w/posrep, 41N/40W 0610 at FL 330, est
OSCAR 0707, gives wx & fuel. (RB) Iberia 6170 0019 USB secal HL–BD
wkg NY/Selcal check QSY from 6586. Tourje 038 0035 USB secal FP–ER
wkg NY/Selcal check. Speedbird 254 0041 USB secal BD–CK wkg NY/ARP
18N56W F310. Air Portugal 9961 0053 USB secal GM–DE wkg Gander/
Selcal check. Martinair 638 0252 USB secal BQ–EG wkg Gander/ARP
HUSKY 306 0303 USB wkg Gander/reporting escorting HUSKY 345 at 3,000
feet at 4517N10W 0303 ETA St. John's airport 0345. Can anyone
contact 6111 USB secal DJ–CK wkg Gander/Selcal check. Speedbird 224 0324 USB
secal AM–DF wkg Shanwick/ARP 49N30W
F330. Saudia 002 0110 USB wkg Shanwick/ARP 47N30W F370. Iberia 6250
0156 USB secal DJ–AR wkg SM/ARP 44N40W F370: this is the newly
delivered A340 EE–155, the second to enter into service for Iberia.
Speedbird 224 0201 USB secal DF–HK wkg Gander/Selcal check. American
104 0219 USB secal BE–LM wkg Gander/Selcal check. American 174 0235
USB secal JM–HK wkg SM/Selcal check (TO)
5610 Unid: (Port Richard ?) 0126 USB comms with various acft. (Kw2) (see
next log –LOGS) Portishead Radio, UK (EU–CC–LDOC) 0329 USB wkg unid
fl t 988 w/selcal, then pp w/co op's re wx at flt's location. (RB)
5612   N1L812C 2042 USB w/Shanwick (Da.900), secal KR–DP, at 2150 now
w/Gander): 51n 30w 2149 FL350, 52n 40w 2239, 50n 50w. Gander req, eta
Gander + handling agent: eta 0017 blocks 0030, couldn't read handler.
Reach 424 Heavy 2050 USB w/Shanwick, 50n 20w 0248 f1330, 49n 20w
2139, 48n 08w. 2899 2nd. IFB 14 2152 USB w/Shanwick (C–130, Canadian
Airborne Forces, IFOR) 52n 306 149 F1190, 52n 20w 2308, 52n 15w. Reach
4801 2157 USB w/Gander (civil a/c), 48n 40w 2155 FL370, 47n 50w 2253,
color, fuel remaining 60.7, req. f1390, ->122.375, a/c has secal.
(BH) Fedex 5 0142 USB secal AB–ES wkg Gander/ARP 57N30W F280 .83 req
Continental 20 0354 USB secal CG–DF wkg Gander/Selcal check. Northwest
68 0119 USB secal EG–KP wkg Gander/Selcal check. REACH 901 0123
USB selcal FM-CH wkg Gander/Selcal check. KING 60 0124 USB wkg Gander/ARP 54N30W F250. Air Canada 866 0129 USB selcal CQ-KR wkg Gander/Selcal check. United 946 0136 USB selcal HP-EF wkg Gander/Selcal ck.(TO) Honolulu 3115 USB wkg several Flights. Posreps. (AW) SX-OAE: 1252 USB B-747 radio check w/Athina R. (CK) Unid 0320 USB Good sig into Long Island...Greek language...definitely wkg aero...Probably Limnos Aero. (JC5) RRM333 2030 USB Calling unknown station/dep.OIAW & req.Oteopeni wx. (RD3) 5649 Ascot 5625 2137 USB Gander (C-130, RAF) fl210 climbing 230 (BH) Gander Radio NF, CAN (NAThC MWARA) 0259 USB wkg Speedbird (BAW) 214 w/posrep 50N/40W 0257, FL 370, est 51N/30W 0338, 51N/20W next, adv at 30W call Shanwick this freq. At 0308 wkg Aeroflot 342 advising neg selcal, adv to maintain listening watch. Shanwick, IRE (NAThC MWARA) 0309 USB wkg Gander re IceAir 920, Gander adv is on 2872. Gander Radio NF, CAN (NAThC MWARA) 0311 USB wkg Speedbird 6746 w/selcal ck KM-CH (747 G-AWND). Gander Radio 0600 USB wkg Kuwaiti 112 w/posrep 52N/40W 0556, FL 390, next 50N/30W 0642, adv at 30W call Shanwick. Shanwick 0607 USB wkg Air France 218 w/posrep at FL 330. (RB) SWR104 2013 USB Swk/SN20W 2012 F330 wkg Speedbird 218 USB selcal EF-HL wkg Shanwick/Selcal check. (TO) 5655 Kuala Lumpur Aero (SEA) 2200 USB Some distance traffic. Singapore Aero (SEA) 1835 USB Loud and clear with the usual fits. (HW) 5656 Addis Ababa Aero (AFI) 2200 USB what shall I say, the normal QRM! Asmaro Aero (AFI) 2200 USB normal tff. Bombay Aero (AFI) 2200 USB normal tff. Cairo Aero (AFI) 2215 USB normal tff. Khartoum Aero (AFI) 2215 USB normal tff. Lahore Aero 2310 USB actually wkg a flight! Nairobi Aero (AFI) 2300 USB trying to contact everybody! Tripoli Aero (AFI) 2300 USB what about anyone else on the freq. (HW) SWR292 2255 USB Ktm,Cairo/ORNAT 2254 F330 ALVOR 2328. ELY512 2255 USB Advis/Nbo/RUDUL 2252 F330 SHALA 2316 ADS 2318. KLM659 2256 USB Ktm/EP SIX 2254 F350 AVONO 2315. SAB563 2259 USB Ktm/Cairo/ALVOR 2259 climbing F310 ORNAT 2338. AFR491 2302 USB Ktm/cairo/ME 2301 F350 UMINI 2317 LXR 2335. ELY088 2317 USB Ktm/Cairo/DEN/LFD 2317 F360 ! SKH 0005 TOPLA next From Bombay to Tel Aviv sel/KLBD 4XAXB B747. AFR445 2223 USB Ktm/Cairo/TOKAR 2222 F350 ME 2333 ALEBA 2254 UMINI (RD3) 6566 Perth Aero (SEA) 1845 USB Loud and clear with MAS 201. (HW) Singapore 288: 1424 USB with Perth @ "IPKON" (08-5.3S/108h14.6E) "ALhGJ" 9V-SMH 747-400 Singapore-Christchurch. Malaysian 121A: 1444 USB w/Perth @ "IDMER" (17-51.6S/116-22.2E) "B3-ER" 9M-MPD 747-400
Kuala-Lumpur-Melbourne (JSM)

6577 New York Aero (CAR) 2315 USB Positive ID. (HW) New York (CAR-A MWARA) 2338 USB wkg west Indian 424 w/posrep, wx, selcal ck. (RB) Canadian 100 0343 USB selcal DQ-CM wkg NY/Selcal check (TO)

6586 New York (NAT-B) MWARA 0030 USB wkg Speedbird 297 (BAM) w/posn JESSE 0029 FL 330 est FLORY 0055, selcal ck KM-CH (747 G-ANWO) (RB) BAW/74 2312 USB Accra/DENOR 2311 F310 Niamye 2329 In contact w/Niamye on VHF. (RD3) Continental 701 0011 USB selcal D-KHL wkg NY/Selcal check. Aeroflot 342 0012 USB wkg NY/oceanic clearance to EINN (TO)


6587 Kiev Volmet 2250 USB Positive ID, first time I really listened. Moskva Volmet 2240 USB Positive ID. St.Petersburg Volmet 2235 USB Pronounced as Sankt Pjetersbourg. (HW)

6622 United 916 0050 USB wkg Gander/amended speed clearance (TO)

6628 New York (NAT-E) MWARA 0231 USB wkg west India 900 w/posrep 18N/60W 0229 FL 210 climbing 310, est 23N/55W 0323, 27N/50W next, selcal FG-BC (L1011-500 9Y-TGJ). Santa Maria AZR, (NAT-E) MWARA 2311 USB wkg Air France 443 (?) w/posrep, s/call EJ-BL (747 F-GCBA). New York 2313 USB wkg Air France 227 w/posrep, 18N/5412W 2313 FL 330, est 20N/50W 2346. At 2318, wkg Air France 571 w/posrep, 37N/50W 2318 FL 370. est 39N/60W 0028, speed mach .80. At 2319 wkg Speedbird 168 (BAW) w/posrep 2 7N/50W 2319 FL 310 climbing to 350. (RB) Speedbird 265 0246 USB selcal BD-FL wkg NY/ARP TOOMS F330 (TO)

6637 Connie 616C: 0318 USB w/Miami enrt Miami N6161C DC8-55F. Buffalo 0302 USB w/Miami SVMI-Miami CGDJ N161DB DC8-61. Connie 61M: 0440 USB w/Miami on grnd Guatemala at 0437 with #3 engine overheating to max levels N6161M 1C8-55F (JSM) Miami LODC (Connie Op's, Miami, FL) 0714 USB wkg Fine Air 54 w/rdo ck; at 0742 wkg Connie 809 re departed Caracas & ETA Bogota, CLM. Houston Universal Radio, Houston, TX US, (NA-OAC-LDOC) 0733 USB wkg N33GG (Falcon bizjet) at FL 410 w/selcal ck DH-GM. (RB)

6653 Evergreen 470: 1341 USB w/SF LDOC 8'x6' flap well panel disintegrating in flight, slowly ripping from wing! a/c starting to vibrate badly; presently 2 hours out enrt Hono; N470EV 747-273C Freighter / see 5574 log (JSM)

6766 Sydney Volmet AUS (SEA-VOL) 0602 USB w/aviation wx for Sydney, Brisbane, Perth, others. (RB)

7703 Tashkent Volmet 2225 USB Positive ID. (HW)

6928 Hong Kong 1015 USB Volmet wx for the area. (AW)

6957 HZ-HE4 1522 USB Shawwick (B-727) 50n 20w 1520 F1330, 49n 15w 1542, GUNSO, req route after GUNSO: UN491 to TAKAS. --> 135.6. NAF 49 1527 USB Gander (KDC-10) 52n 30w 1521 F1330, 52n 20w 1603, 52n 15w, selcal CGHL (BH)

6987 Honolulu (CEP-1/2 MWARA) 0358 USB wkg American 72 w/posrep, wx. (RB)

7085 Recife (SAM-NE MWARA) 0009 USB wkg Cargolux 761 w/posrep, req for FL 370. Piarcro Radio (Port of Spain) Trinidad (SAM-NE) 0010 USB wkg AirEuropa 156 w/pos for chg FL410 tp 390. Leticia Radio, COL (SAM-C MWARA) 2351 USB wkg unid flt 07 w/2350 posrep, sounded like FL410; at 2355 wkg unid Latvian a/c (?) giving app registration YL-626. Manaus Radio, BRAZIL (SAM-C MWARA) 2352 USB wkg DAC (or GAC or GAG?) 035, w/posrep. Dakar Radio, SEN (SAT-1 MWARA?) 2355 USB wkg Air France 215 w/posrep, selcal CP-GQ (747 F-GISB). Piarcro Radio (Port of Spain) Trinidad 2359 USB wkg unid flt 405 & relaying posn to another unid station. (RB)

8189 Malev 091 0220 USB selcal CP-DS wkg Gander/ARP 50N40W F370 (TO)
New York Arinc (NA-CC-LDOC) 0251 USB selcal'ing & clg Eagle flt 2, no joy here. Cedar Rapids LDCC, IA (NA-CC-LDOC) 0339 USB wkg United 991 w/selcal ck KM-BP (767 N610UA), adv 8933 primary, 6637 secondary. At 0346 wkg United 906 w/posn, selcal ck HP-HQ (ID?). (RB)

10072
Speedbird Concorde 098: 1649 USB wkg Speedbird London Located in Western Atlantic area next to Gander. Speedbird 93: 1924 USB clg Speedbird London no joy but mentioned flying Northern Canada. (Kw2)

10075

11282
Honolulu (CEP-1/2 MWARA) 0146 USB wkg United 199 w/posrep fol by selcal'ing United 190 w/clearance msg. At 0149 wkg Northwest 936 w/posrep. San Francisco (CEP-1/2 MWARA) 0151 USB wkg unid flt 411 (Air India?) w/posrep FL390, adv contact Honolulu now on 127.6. (RB)

11345

9893
Singapore 1020 USB Very busy w/several flights, Posreps. Later Hong Kong wkg "Amaco 881" at 1025 (AW) Air Mike 878: 1416 USB w/Singapore @ MEVAS (03-55.7N/105-59.8E) 8 mins out of Singapore for Manila JKhBH

9883
Tokyo 1016 USB general wx for the area. (AW)

11306
BMA'MN' 1929 USB Portishead/o/h Portugal no reply. GOBMN B737. (RD3)

11330
New York (CAR-B MWARA) 1642 USB wkg Delta 162 w/selcal ck, HQ-DE (767-300ER) then DHL509 w/1641 posn, adv contact Miami on 135.7; at 1652 w/Air France 032, posn BERGH at 1652, FL370, est JESSE 1711;at 1701 w/American 642, posrep FL 310, selcal HQ-RS (767 N378AN). New York 1702 USB wkg American 657 reporting southbound '763' for Grand Turk, selcal ck BP-EK (A300, N7062A), adv 8846 secondary; at 1706 Speedbird 295 w/posn BERGH 1706, FL 370, JESSE, LOUIZ next.(RB)

11345
F-GHEK 1954 USB Stockholm (?) no joy. PH-TKC 2027 USB Stockholm (B-757, Transavia) pp Ops: problem with Greek and Brussels ATC, on the ground Rhodos, also referring to flight 414 at Kos. In Dutch. EBA 807 2031 USB Stockholm (B-737, EuroBelgian Airlines) pp Ops, abt new flight plan/route, in FF. Ops called the a/c "LTV", which is OO-LTV. Transavia VT 1024 USB Stockholm (B737 PH-HVT) technical problem, original destination Arrecife (Canaries), discussing
diversion to either Fuerteventura or Las Palmas for technical assistance (partially in Dutch) (BH) FRADA 1055 USB Stockholm/pos'n 39N12W opr. CTM1025 pp to AFR Dispatch,Paris A310 French AF. MAJ148 1110 USB Stockholm/Zurich to Bucharest.Fl/t was tx. in AM & Stockholm had difficulty rx. kept telling a/c to change to USBhpilot couldn't understand!! AEL762 1112 USB Stockholm/On ground Milan w/selcal chk/CSHP EICJA B767. JAL445 1113 USB Stockholm/o/h UHT 1107 F11600m To call 10085. DABUE. DAL14A 1115 USB Stockholm/pos'n ARISA 1111 F350 Fuel 29.7. EBA940 1117 USB Stockholm/p/p to Ops.presently holding due to problem at Faro.Will hold for another 40Mins then div.to Porto Santo. MI'EC' 2031 USB Stockholm/Called o/h Barcelona req. p/p to Company DAGEC B737 (RD3)

Jakarta 1028 USB wkg Australian flight "VH-NJT" Posrep (AW) New York (CAR-A MWARA) 2231 USB wkg N372BC w/posrep, hand-off to unid VHF 132.15, selcal ck ??-GH. (RB) LTIU441 2216 USB NVC/29N60W 2215 F330 37N50W 2333 42N40W.To 8825 (RD3)

Honolulu (CEP-1/2 MWARA) 0152 USB wkg unid flt 411 w/ack of posrep/selcal from 11282, adv secondary is 10048; at 0153 selcalck/w/kg Northwest 1 w/company msg; at 0159 wkg Delta 51 w/selcal ck, had problems reading on 13329. (RB)

Honolulu Volmet (SP-RDARA) 0438 USB w/aviation wx. (RB)

New York (NAT-A MWARA) 1653 USB w/kg TUFF 15 w/clearance FL 26 to 28, report level, 15 reports moderate turbulence; at 1654 w/kg Air Europa 137 w/posrep 40N/50W 1654 370; at 1655 w/kg Speedbird 163 w/posrep, 11330 or 8846 secondary. New York 1659 USB w/kg HAWK 83 (B-1B training sqd Dyess AFB) w/clearance to leave freq, report back on station (refueling?) at 1704 Speedbird 163 w/posrep 31N/50W 1702 310; at 1718 wkg Cuba 9769 w/posrep 31N/50W 1718 320, next 30N/60W. New York 1800 USB clg Martin Air 603, no joy; at 1926 sending selcal & clg DHL 513. (RB)

New York Arinc (NA-CC-LDOC) 0047 USB w/kg Continental 4 w/selcal ck CM-BC (DC-10 N87070). Eastern LDOC (NA-CC-LDOC) 1448 USB w/kg unid flt w/company msg, new one for me, also hrd by another WUN'er on 10075. New York Arinc (NA-CC-LDOC) 1726 USB w/kg DHL 508 w/fuel status report. (RB)

4XCTE 0927 USB Stockholm/reg pp to company. Westwind2 (RD3)

San Francisco (CEP-CC-LDOC) 0018 USB w/kg unid flt w/posrep, QSY to 5574 for selcal ck (nothing hrd there). San Francisco (CEP-CC-LDOC) 0105 USB w/kg unid flt 943 at FL 390, mach .84; at 1033 w/kg Air France 071. (RB)

Portishead Radio, UK (EU-CC-LDOC) 1716 USB w/kg unid flt w/selcal ck, adv maintain selcal watch on '1106'. (RB)

Qantas 67 at 0648 USB clg Jakarta. (AW)

Please note that ARQ is used for Sitor-A, FEC is used for Sitor-B, and both of these modes are 100/170 unless noted otherwise. RTTY is used for Baudot. This is not as a statement of correctness, but rather a space saving measure.
3203 MTI: Plymouth Naval, UK 1420 RTTY 850/75 clg MTT; 7"-bit Baudot calling, 7-bit crypto tfc (J2D)
3219.5 RETWBG**: Guardia Civil, Girona 1947 ARQ 100bd/400 Police MSGs in SS to RETXO (MC)
3236.7 FDY: French Air Force, Orleans 2024 RTTY 50bd/400 (1 stopbit) "ryry... test de fdy fdyfdyfdy..." (MC)
3311 Unid: 2125 RTTY 50/200 atuh80 msgs (DG)
3362.8 German Mil, loc?? 2015 VFT: 3ch of 192bd/170 FEC-100, crypto tfc (MC)
3508.9 Unid: 1955 TT2300b 100bd tfc (MC)
3581.5 FDY: FAF Orleans 2129 RTTY 50/400 testing (DG)
3612.1 "hmn r'y's sq's figs". two exchanges w/ships w/indefinate csigns "f" & "fr". off air whilst in qso. "qsl p 060725z". (DW)
4173.5 WLBX M/T Lawrence H. Gianella 0544 ARQ w/tlx re arrived Manchester, login now 11646 GIAN. (RB) C6KT2: M/V SPRINTER 0354 ARQ tlx to network shipping. login 61377 c6kt2. WEZM: SS EWA 0508 ARQ w/qrg rpt. id 0210. login 10949 wezm. VREM: BT NEPTUNE 0415 ARQ wkg kfs etd long beach, eta panama. WFDW: KEESTONE ISLAND 0548 ARQ wkg kfs. arr l.a. login 1117 wfdw. KCDK: M/V GUS W. DARNELL 0605 ARQ wkg kfs w/movrep. dep sfo eta long beach. (WT)
4175 KNJDO: Blue Ridge 0525 ARQ AMVER msg selcall 11132. (AB2) 3EMQ8: M/V Tasman Star 0441 ARQ w/tlx for ETA to Port Elizabeth, ex-UZKX? (RB)
4178.5 KIOH: SS GOLDENGATE 0011 ARQ w/bbxx. (WT)
4179.5 PGDF: M/V NEDLOYD EUROPA 0725 ARQ AMVER for route Southampton/Port Said. login 8486 PDGF. (HODD)
4218.5 SAB218: Goeteborg Radio 1935 ARQ CQ (DG)
4227 IGJ42: Augusta Naval, Sicily 1850 RTTY 850/100 Test tape; frequency & shift very variable (J2D)
4232 FUF: FN Fort de France 0052 RTTY 75/850 testing (DG)
4277 UIW: Kaliningrad, Russia 1720 RTTY 170/50 RYs and msgs to ships (J2D)
4306 SPE21: Szczecin Radio 2155 FEC tfc list (DG)
4511.5 OA***: Irish Navy, Dublin 2025 ARQ 5Lgs to "37" plus opchat in EE. (MC)
4524.7 SUU: Cairo MET 2158 FAX 120/576 blurred chart. (DW)
4539 Unid: 1742 PSK 1800bps UNID System (MC)
4716.7 Tunisian Navy HQ 1900 ARQ duplex net Gulf of Hammamet patrol rpts + 5L cipher (ANEE)
4765.2 RFFP: MoD Paris 2000 ARQ-M2 200/400 idling (DG)
4855 NPM: USN Pearl Harbor 0651 FAX 120/576 wx faxes (DG)
4903 DHM44: Grengel Meteo, D 1215 RTTY 100bd SYNOPS Germany (KB)
4944.8 Unid: 2150 RTTY 50bd/85 crypto after "ouuuouuu" with mil-style opchat in EE (MC)
5006.5 Unid: 0100 RTTY 50/850 w/enc (RM)
5060 MTI: Plymouth Naval, UK 1420 RTTY 850/75 clg MTT; 7"-bit Baudot clg, 7-bit crypto tfc (J2D)
5097 CFH: CF HALIFAX NS, CAN 0554 RTTY 75/850 naws de cfh zkr fl ... (SS)
5121 RFFHCA: FF Ajaccio 2013 ARQ-E 192/400 4ccrc. beras. intermittent sync at times. no tgc. link to bastiareturn freq 5430 kHz. (DW)
5164.4 French Prefecture NET 1410 ARQ no tgc. single period of selcals toil (tours). No reply. (DW)
5190 Unid: 0756 ARQ-E 72/400 idling (DG) (could be RFFZEFb circuit UCF -LOGS)
5223 Unid: 2139 ARQ-E 72/387 idling (PB) (could be RFFEPA circuit UFA -LOGS)
5255.2 Russian Mil, loc? 2017 MS5 12 tone vocoder (3300Hz pilot) (MC)
5285 RBX71: Tashkent MET 1818 FAX 90/576 blurred chart, //8083/9150, end of chart. (DW)
5325 RCW75: Alma Ata MET 1640 FAX 60/576 blurred chart w/observations. (DW)
5380.5 Guardia Civil 2003 ARQ 100/400 spanish text (DG)
5387.2 Unid: 1745 ARQ-E3 200/400 idling (DG)
5400 YOG37: Bucharest Meteo 0631 RTTY 50/400 meteo rpts (DG)
5430 RFFHCB: FF Bastia 2155 ARQ-E 192/400 4ccrc. beras. intermittent sync at times. no tgc. Link to ajaccio - return freq 5121 kHz. (DW)
5475 Unid: German Army?, ??? 1928 VFT: 3ch of 192bd/170 FEC-100, spaced at 680Hz ends "192803110" (MC)

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6832.6 Unid: 2308 QPSK 1280/400 (DG)
6835 GFL22:Bracknell 2338 RTTY 75/400 R wx codes (RM)
6836.7 Unid 2130 ARQ-E3/200 idle (RM) (possibly RFTPA Njamena? -LOGS)
6848 V5G*: Romanian MFA,Bucharest 1911 ROU-FEC 164.5bd/400 (Bitmask=24)
"radiograma" to Paris (MC)
6890.2 RFFA: MOD Paris 2302 ARQ-E3/200 idle (RM) RFFA: 0438 ARQ-E3 200/325 idle (SS)
6891.5 Unid: 1946 TT2300b 100bd idle (MC)
6901.7 RFTJ: FF DAKAR, SEN 0434 ARQhE3/200 idle (SS)
6911.3 Algerian Customs, Algiers 2051 Coquelet-8 26.7bd Coquelet-8 MSGs in FF from Algiers to regional Customs (MC)
6936.7 RFLI: FORT DE FRANCE, MRT 0431 ARQhE3 192/425 idle (SS)
6945 Unid: 0749 ARQhE 192/200 idling (DG)
6950 RJK78: Kiev meteo 0744 FAX 60/576 wx fax (DG)
6964 Unid: SOUD station 1825 RTTY 75/500 5FG'S (DG)
6966 FDY: FAF Orleans 1629 RTTY 50/400 testing (DG)
6982 Unid: 2043 ARQ-E 72/400 idling (DG)
6987 Unid: Russian Diplo,?? 1906 CROWD-36 in selcal mode (MC)
6988 AAF: Army MARS, Ft Lewis,WA 0540 FEC w/Armed Forces Day 1996 message from SecDef, //10151.5(RB)
6997.5 AAT3TFC: AA3USA: AAT1TFC: 2208 Packet  USA MARS (RM)
6998 Unid: 2334 RTTY Baudot Ended xmsn while tuning in (RM) (was used by AAF for Armed Forces Day tcf, no other logs -LOGS)
7358.5 AAE: 0530 FEC US Army MarsSta Armed Forces Day msg (DW2).
7461 SYE: Nairobi,metro Kenya RTTY 100/850 listed but nu id (RT2).
7528.5 RETXX: MOI Spain 1205 ARQ msg tcf (DG)
7536.5 SESEF Norfolk Ships Electronic Systems Evaluation Facility, Ft Story, Va, US 1524 RTTY 75/850 w/10 mins of 'Foxes' for USS Ticonderoga (CG-47) (RB)
7541 Unid: SOUD station 1853 RTTY 75/500 5FG'S (DG)
7552.7 Unid: 1022 ARQ selcall to IPHW (EW)
7606.7 RFFA: MOD Paris 2345 ARQ-E3 192/425 idle. (RT2)
7620 GYA: RN London 1500 VFT 2x75bd, clg MTT (ANG)
7620 MTI: Plymouth Naval, UK 1230 RTTY 850/75 clg MTT; 7"-bit Baudot calling, 7-bit crypto tcf (JD2)
7643.2 RFLIG: FF CAYENNE, GUF 0535 ARQ-E3 192/425 idle (SS)
7659 HBD20: MFA Berne 1710 ARQ 5FG'S (DG)
7691 Unid: SOUD station 1854 RTTY 75/500 5FG'S (DG)
7705.7 RFTJ: FF Dakar 0624 ARQhE3 192/400 8crc. betas. controle de voie at 0710z 8crc. betas. at 2208 8crc. betas. no tcf. (DW)
7721.7 Egyptian MFA, Cairo 1851 ARQ ATU-80 to Embassy Rabat (kds kdfyk)
7723.7 MFA CAIRO 1638 ARQ irs mode. constant space between bursts. then tcf in atu80. (DW)
7731.7 Egyptian MFA, Cairo 1826 ARQ in IRS mode (MC)
7744.2 Unid: 0752 Link-11 net (MC)
7746.7 Egy diplo (rome?) 1833 ARQ atu a tcf (BvR) Egyptian Emb Rome 1851 ARQ tcf in atu80, opr exchanges (huxd = over). At 1912 tcf in offline encrypt. from yphkg flik (= boustan ruma). (DW)
7755.2 RFQP: FF Jibuti 2056 ARQ-M2 200/400 idling (DG) RFQP: FF Djibouti 2143 ARQ-M2 200/400 4crc. 2 chan. betas. poor sync. At 0644 4crc. 2 chan tdm. ch:a and ch:b, betas, offair (twice) momentarily at 0645 for few seconds. (signal seems too strong for location/time of day?) offair 0702z without tcf. (DW)
7760 RG77: Arkhangelsk MET 1436 RTTY 50/1000 met traffic. At 0828 3SC//50/R/1000 marker "cq de rdhh77 rvzh73" and ry's then idle. (DW)
7761.9 RG77: Arkhangelsk MET 0754 FAX 60/576 chart with obs. transmitter running slightly fast. (DW)
7770 GYU: RN Gibraltar 2200 VFT// 8 channel dcn interleaved vft. (DW)
7776.5 OST33: Oostende Radio 1910 FEC tcf list at h+10. (DW)
7784 USAF AWS Ceiba 2243 RTTY 75/850 met tcf in cryptic form. originator KAWN. (DW)
7786.7 Egyptian Embassy, Rome 2141 ARQ 5LGs and ATU-80 MSGs from "bostan roma" (MC)
7788 Unid: 0709 RTTYI 50/850 ry's figs (incrementing and decrementing)
ends "fin de la prueba" (spanish for "end of the test") and offair.

7823.7 Egyptian emb. Tunis 1653 ARQ atu-80 msgs (DG)
7832.6 Russian forces 1853 QPSK 1280/400 (DG)
7842 IER20: GUARFI Roma 1215 RTTY 100bd/85, tfc to IER21 in Italian (ANG)
7851.7 Chinese Diplo, ??? 2041 4+4 (MC)
7880 DDK3: Hamburg meteo 1529 FAX 120/576 sea swell chrt (BvR)
7898 BGS, Bonn 1910 ARQ-E 72bd/85 idle on beta and RQ (71.99950bd) (MC)
7909.7 Seismological crew, Libya 0445 ARQ til 0530 (ANEE)
7917.3 Egyptian MFA? 1821 ARQ atu-80 msgs (DG)
7946.5 DHJ51: Grengel Meteo, D 1210 RTTY 100db SYNOPs, TAFs (KB)
7968 Unid: 0618 ARQ msgs in UNID lang. (HNSHOO TUUSINKM) (SS)
7971.7 DE LIBERATOR 0932 ARQ mil unit. says fm co mblt 4 to cpmc attt g-1.
poss philippines off 955 (EW)
7988 Russian Mil, loc?? 2043 81-81 81bd/200 tfc (MC)
8000.7 MFA Cairo 1827 ARQ atu-80 msgs (DG)
Egyptian MFA, Cairo 1901 ARQ ATUh80 MSGs to Rome (fljk) selcal XBVP. (MC)
8005.2 Unid:1204 ARQ-E3/96 idle (RM)
8023.7 Egyptian MFA? 1931 ARQ atu-80 chatter (DG)
Egyptian MFA, Cairo 2015 ARQ ATUh80 MSGs to AF, EU and FE embassies. (MC)
8030.2 Unid: 1646 Link-11 (MC)
8056.7 Egyptian MFA? 1723 ARQ atu-80 chatter (DG)
8063.2 RFFA: MoD Paris 1943 ARQ-M2 200/400 circuit test (DG)
8073.5 Unid: 0722 RShARQ 240bd 8 tone (MC)
8083 RIJ75: Tashkent MET 1807 FAX 90/576 chart (blurred) w/observations.
7823.7 Egyptian emb. Tunis 1653 ARQ atu-80 msgs (DG)
8094 98C25: IRNA Tehran 2012 RTTY 50/400 nx (DG)
8105 RFFX: MOD Paris, France UTC? ARQ-E 72/972 idle (RT2).
RFFX: MOD PARIS, F 0556 ARQhE 72/400 idle (SS)
8134 OMZ66: MFA Bratislava 0945 IRAhARQ 212.87bd 10 bit w/450 messages to unlocated embassy (ANG)
8146.6 IMB55: Rome meteo 1908 FAX 120/576 wx chrt (BvR)
8148 SNNZ99: MFA Warsaw 0955 POL-ARQ 100/250 diplo tcf (DG)
SNN99: Polish MFA, Warsaw 1823 POL-ARQ 100bd/250 5LGs to Bratislava, Rome, Paris and Vienna (MC)
8151 IGJ44: Augusta Naval, Sicily 1850 RTTY 850/100 Test tape; frequency and shift very variable (JD2)
IGJ44: Italian Navy, Augusta 1727 RTTY 100bd/850 Continual "igj44 /igj42 /igj43 /" tape (MC)
8152 HMF86: Pyongyang, N. Korea 1303 RTTY 50/425 KCNA nx in EE. (AB2)
8166 POL emb. Kiev 0645 POL-ARQ 100/170 diplo tcf (DG)
8180.7 Italian Diplo/Mil, loc?? 1643 FSK 1200bps UNID System (MC)
8182.7 Unid: unlocated 1615 PACTOR 200/200 FF chatter (DG) (UN/ICRC Bosnia -LOGS)
8192 9MR: MN Johour Baharu 1845 RTTY 50/850 testing (DG)
8196 Unid: German Diplo?, ??? 1638 RS-ARQ 240bd 8 tone (MC)
8331.5 GYA: RN London 1535 FAX 120/576 skedule (BvR)
8331.5 GYA: RN London 1500 FAX 120/576 surface analysis, at 1535 w/schedule. (BvR)
8337.3 DHJ59: GNY wilhelmshaven 1253 VFT 3x150bd, tcf to var. GNY ships (ANG)
8339 Unid: Royal Navy 0941 RTTY 75/850 ratt bdcst (DG)
8342.6 UWJX: M/V Zorinsz 1610 RTTY 50/170 wkg Odessa Radio w/crew TG's. (TD2)
8377 GBT77: Queen Elizabeth 2 0201 ARQ msg ck. (AB2) UWAZ: TKH KINGISEPP 0728 ARQ msg in EE to Sweden via GKE. (HOOD) UIIE: TKH VILYAM FOSTER 0305 ARQ tlx to Baltic shipping. login 55214 uiie. (WT)
8377.5 C6KT2: Sprinter 0245 ARQ ETA Port Bolivar May 17, selcall 61377. WEZD: Chief Gadao 0148 ARQ tcf. (AB2) WEZM: SS Ewa 0250 ARQ w/ AMVER/FR, final report, for Seattle, WA, login 10949 WEZM. (RB)
8382 WSRH: SS KAUAI 0053 ARQ wkg kfs, rx only. login 11330 wsrh. C6NJ4: CASCADIAN DAWN 0525 ARQ w/AMVER. WLDS: SS KEYSTONE GEORGIA 0353 ARQ wkg kfs w/ grg rpt. login 11216 wldw. UNID: BRISBANE STAR 0555 ARQ wkg kfs w/tlx eta sydney. (WT)
8387 9HDA3: M/V LINA 1041 CW msg to MINIBULK Monte Carlo
8397 J8FK6: Biograd 0301 ARQ tcf, selcall 56921. UIGUI: Ashkhabad 0227 ARQ bound Amsterdam w/cargo of molasses, selcall 66168. 9HMZ3: Beluga?
w/dirtlx?? a matson ship not wkg globe?? DUCT: EURASIAN CHARM 0600
ARQ rx only. login 76768 dct. DGCR: M/V CAMPANIA 0020 ARQ w/amver/pr
3237n 12929w. (ex arbitrator?) login 89112 dgrc. ATZN: M/V LOK KIERTI
0422 ARQ w/tlx login 23728 atzn. UNID: B. KANTAN/2 (BUNGA KANTAN?)
0234 ARQ w/tlx re crew changes, eta Vancouver. (Yes, 9MYK -LOGS)
SUCD: M/V ALWADI AL GADEED 2342 ARQ w/tlx login 76001 succd.
ENLH3: M/V WESTERN TRADE 0052 ARQ w/tlx supplies. login 26637 wtrade. (WT)

8387.5 YCLA: Polka 1425 ARQ tfc in Indo? 3ENZ2: Eletheria K. 1412 ARQ tlx
re needed repairs. 3FLW5: Oriental Dragon 1400 ARQ ETA Hong Kong
pilot station, last port Hai Phong, vsl also used c/s V2JX. WJBG:
8388 SYWP: M/V WINNER 0318 ARQ w/tlx. login 29488 winner. TCSX: M/V
MARINER PACER 0428 ARQ opr mode, chatting in ?? login 29054 tcsx (WT)
8388.5 VVKF: Spic Emerald 1505 ARQ inventory of vsls radio equipment,
ex-spic Emer-Aid?, selcall 23606. (AB2) ATSA: Mv Atanur 1012 ARQ tfc to
Istanbul co/ch PCH. UNWR: Mv Grigoriy Nesterenko 1103 ARQ tfc
(BvR) PJCH: M/S NIEUW AMSTERDAM 0125 ARQ w/posn, near Cabo San Lucas.
login 61027 pjcj. (WT)

8389.5 DUHN: Glorious Success 1452 ARQ AMVER/PR, 44.35N/124.02W, inbound
Newport, OR. 3EBV6: Leodas 1345 ARQ ETA Cristobal. 9HW4A: Grigorioussa
1351 ARQ tlx to Athens, QSY 8392 @1401, selcall 72050 GRIG. (AB2)
HSUM: ARGADIA 0215 ARQ w/tlx login 26524 argad. LAJ4: SWAN LAGOON
0503 ARQ w/tlx login 29404 swlag. 3ESA2: M/T ADELIA 0328 ARQ w/tlx
eta kingston. login 26479 adelia. LXDN: M/V CRYSTAL PIONEER 0543 ARQ
w/amver/pr login 29409 lxdn (WT)

8390 AQPM: Delta Peace 0245 ARQ Lube oil analysis report, selcall 29519.
UKYY: Boris Livianov 1333 ARQ tfc. 9HTB3: Cape Arnhem 1352 ARQ tfc for
renwal certificate of Malta registry, selcall 13694. (AB2) DVRD: M/V
General Tirona 0323 ARQ w/tlx re vsl is in port, West Minister, BC,
CAN. login 26620 dvrds. DRVJ: M/V BRAZILIAN SHIP 0208 ARQ w/maint
rpt login 26423 brasky. DVRD: M/V GEN. TIRONA 0328 ARQ to
jebsons, london. P3L24: M/V AMAMI 0100 ARQ w/tlx login 56373 amami.
XYEL: M/V SPRING BEE 0030 ARQ w/tlx, 29n 116w. login 26291 xyel. (WT)

8390.5 VORX: M/T Thalassa Desgagne 0008 ARQ w/tlx login 29519 in FF. (RB) C6ME5: M/T
ATHENA 0224 ARQ w/amver/fr login 26767 athe. (WT)

8391 KQ2XV32: "TESTSHIP" 1638 ARQ wkg kej w/ test msg "beta software",
KNIJ: SS MANULANI 0324 ARQ w/qrg rpt id 01f9. login 10918 knij. (WT)

8391.5 ULFU: Fedor Varaksin 0251 ARQ crew TG's. (AB2) UFSS: TKH Artem 0240
ARQ w/MSKTLG crew TG's via UAT, login 55951 UFSS. YLBP: TK Khose
Mart 0732 ARQ Latvian tanker w/admin tfc to Novorossiysk Radio (NVR/MMF).
UPCU: TKH Iogann Makhmastal 0810 ARQ w/agent info
3EKM5: Capitan Spyros 1307 ARQ vsl's skipper concerned re shallow
ANCHOR. (AB2) P3EJ4: M/T OHIO 0520 ARQ wkg wlo w/ tlx, arr
Aquintero. login 56125 ohio. (WT)

8392 SWHI: DION 0145 ARQ w/tlx login 16946 swhi. (WT)

8392.5 UVQN: TK Kapitan Putilin 0125 ARQ w/NVRTLG crew TG's (NVR/MTF). URBP:
8393 BPDPA: unid 1505 ARQ tfc, selcall 20206. BPGO: Yu Jin Xiang 1448 ARQ
tfc. BPHC: Lin Hai 3 1428 ARQ tfc. BPNQ: Hua Zhi 1419 ARQ tfc. BZUM:
Precisely 135 ARQ posn 31.30N/129.01E, selcall 22002. (AB2)

3EKMX5: Capitan Spyros 1307 ARQ vsl's skipper concerned re shallow
ANCHORAGE. (AB2) P3EJ4: M/T OHIO 0520 ARQ wkg wlo w/tlx, arr
Aquintero. login 56125 ohio. (WT)

8394 BRNG: Gao Bao 1423 ARQ very urgent tfc for Hai Phong. BRVJ: Tao Yuan
1313 ARQ tfc to Osaka for sanitary certificate. BRVS: Tian Bao 1400
ARQ tfc. (AB2)

8394.5 HODX: Friro Caribic 0554 ARQ w/noon(!) posn report, 0532N/16600W,
ETA. (RB)

8395 UGSM: Stimul 1416 ARQ crew TG's. (AB2)

8395.5 DQFX: Choyang-Elite 1630 FEC w/relay of German DSR Rostok sports &
xn, ex-DSR Asia? (RB)

8396 C4XH: M/V DERBY NORTH 0717 ARQ eta Port Said. login 29323 DNORTH.
(HOOD) C6KJ6: M/V Celtic Warrior 0431 ARQ w/tlx re anchored Piraeus
Roads awaiting berthing prospects, login 26986 CWAR. C6KF3: M/V
WINTER STAR 0602 ARQ w/obs bbxx login 26128 winsta. (WT)

8399
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9111.7
9126.7

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UPYZ: Kremenchug 0222 RTTY 50/170 RYRY/DE & into crew TG's. (AB2)
URTO: TKH BOLSHEVIK MZHAI KOMMAS 1830 RTTY 50/170 crew TGs to Ug.

(HOOD) ENWC: TKH Kapitan Mezentsev 0258 RTTY 50/170 14,345 DWT Ro/Ro
cargo vsl w/cru TG's to Odessa Radio (ODS/UMF). LYEA: RTMS Limb 2146
RTTY in 50/170 admin TG's from master KMD Maeichov (KLD/UTF). (RB)

URGA: TKH TUSHINO 1832 RTTY 50/170 crew TGs to USU. (HOOD)

UBRJ: TKH Ulbanskiy Zaliv 2359 RTTY in 50/170 RYRY/DE to UIW, &
w/admin tfc to Vladivostok Vostmaransflot (VTF), fol by crew TG's
(K/UTF). UAMD: RTM Zund 2359 RTTY in 50/170 crew TG's to K-grad, is
Ex-EWVV, note change from NPS to RTM(A?) prefix. (RB)

EOXT: SRTM Goryn 0217 RTTY in 50/170 RYRY/DE & into crew TG's
(ILCH/MRH), also sends same for UNMK, RPV Vostok; UUHH, SRTM Lunga;
and UUSZ, SRTM Kodyama. (RB)

EMWG: Barir 1453 ARQ crew TG's. (AB2) UYHH: TKH ILYA KULIK 1825 RTTY
50/170 admin from Km Ponomarenko to UUI. (HOOD) EKNB: TR Izumrudnym
Bereg 0311 RTTY in 50/170 admin TG's from master KMD Maeichov (KLD/UTF).}

LYEA: RTMS Limb 2139 RTTY in 50/170 admin TG's from master KMD
Polezofovy from master KMD Smirnov. (RB)

UBFX: BATM PULKOVSKIJ MERIDIAN 0510 RTTY 50/170 w/tg's. (WT)

UYHW: TKH ILYA KULIK 1825 RTTY 50/170 admin from Km Ponomarenko to UUI.

(AB2) UYHW: TKH ILYA KULIK 1825 RTTY 50/170 admin from Km Ponomarenko to UUI. (HOOD) EKNB: TR Izumrudnym Bereg 0311 RTTY in 50/170 w/cru TG's. LYEIA: RTMS Limb 2139 RTTY in 50/170 admin TG's from master KMD Maeichov (KLD/UTF). UALV: RTMS Kudikova Pole 2151 RTTY in 50/170 admin TG's to Kaliningrad Poisk

RRTZ Polozovoy from master KMD Smirnov. (RB)

UHPO: T KH PAVLIK LARISHKIN 0720 RTTY 50/170 psn rpt to Murmansk via
UAT. (HOOD)

UEUX: TK KEEKUR 0758 RTTY 50/170 admin from Km Morgen to Murmansk
(vessel is a supply tanker for Murmansk fishing fleet).

URFV: T KH Novolovovsk 0130 ARQ w/admin TG St Petersburg. UGOV: T KH
Novomorskovsk 2234 ARQ w/Disp-1 reports to St Petersburg radio from
master KM Vasilenko. (RB)

KFS: SAN FRANCISCO, CA 0229 ARQ tfc lst (SS)

YLQ: Riga Radio 1424 ARQ crew TGs to ELRI6: TK ZANIS Griva. Vsl is ex
YLVC.

XSG: Shanghai Radio 1426 ARQ wkg unid vsl. (TD2)

XSG: Shanghai Radio 1426 ARQ wkg unid vsl. (TD2)

XSQ: Guangzhou Radio (2017) 1440 ARQ wkg c/s BRYP. (TD2)

HWN: FN Paris 1300 RTTY 75/850 marker & wkg French ship indefinite
callsign "fn". signal fading during monitor period. (DW) HWN: FN
PARIS, F 0243 RTTY 75/170 rys de hwn (SS)

CRN: 0247 RTTY 75/850 naws de ckn zkr f1 2386 4167 6242 8318 12380
16561 22200 ar (SS)

JJC: kyodo tokyo, japan 1137 FAX 60/576 quality poor qsb 1137. (RT2)

FUF: Fort de France RTTY 75/850 rys/sgs/0h9 (RT2)

FUF French Navy, Fort de France, Martinique 0441 RTTY 75/850, 1-9
count x 2 on ea line and ID. (RB)

SVA4: Athens radio 0900 FAX 120/576 wx chrt, very poor (BVR)

SAB:44: Goeteborg Radio 1702 ARQ nx/tlx msgs (DG)

SAB44: Goeteborg Radio 1702 ARQ nx/tlx msgs (DG)

SPB: Szczecin Radio 0153 ARQ free idles and CW channel marker (DG)

SPB: Szczecin Radio 0153 ARQ free idles and CW channel marker (DG)

UGC: Saint Petersburg Radio 0147 ARQ sitor free & CW channel marker.
(DG)

NMF: USCG Boston Mass 1600 FAX 120/576. iceberg chart (RM)

NMF: USCG Boston Mass 1600 FAX 120/576. iceberg chart (RM)

5YE: Nairobi Meteo, KEN 1935 RTTY 100bd SYNOPs (until May 96 on 9041)

5YE: Nairobi Meteo, KEN 1935 RTTY 100bd SYNOPs (until May 96 on 9041) (KB)

5YE: Nairobi Meteo, KEN 1935 FAX 120/576 (until May 96 on 9045) (KB)

5YE: Nairobi Meteo, KEN 1935 FAX 120/576 (until May 96 on 9045) (KB)

NCC: CAMSPAC Point Reyes, Ca, US 0347 FAX 120/576 w/surface analysis
chart, fair, at 0412 w/500MB 12 hr forecast chart, now v.good. (RB)

NCC: CAMSPAC Point Reyes, Ca, US 0347 FAX 120/576 w/surface analysis
chart, fair, at 0412 w/500MB 12 hr forecast chart, now v.good. (RB)

Unid: 1100 RTTY 75/170 w/tg's (RM)

Unid: 1100 RTTY 75/170 w/tg's (RM)

FUM: 1055 RTTY 75/850 FN Papeete Tahiti ry (RM)

FUM: 1055 RTTY 75/850 FN Papeete Tahiti ry (RM)

FUM: 1055 RTTY 75/850 FN Papeete Tahiti ry (RM)

5YE: Nairobi Meteo, KEN 1935 RTTY 100bd SYNOPs (until May 96 on 9041)

5YE: Nairobi Meteo, KEN 1935 FAX 120/576 (until May 96 on 9045) (KB)

5YE: Nairobi Meteo, KEN 1935 FAX 120/576 (until May 96 on 9045) (KB)

NMF: USCG Boston Mass 1600 FAX 120/576. iceberg chart (RM)

NMF: USCG Boston Mass 1600 FAX 120/576. iceberg chart (RM)

Egyptian Embassy, Rome 2006 ARQ ATU-80 MSGs to MFA Cairo (MC)

Egyptian Embassy, Rome 2006 ARQ ATU-80 MSGs to MFA Cairo (MC)

Elefante: ITALMIL Roma (?) 1256 BPSK 1200 //9161.7 (ANG)

Elefante: ITALMIL Roma (?) 1256 BPSK 1200 //9161.7 (ANG)

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9130.3 WUNhv02: 1928 RTTY 75/850 u/i British mil. available channels list (RM)
9150  RCH73: Tashkent Meteo 1833 FAX 60/576 wx fax (DG)
9153  D4B: Amilcar Air 0710 RTTY 50/700 testing (DG)
9155  UNID RUS-NY 0855 RTTY 50bd/200 w/KRIPTOGRAMMA after ZZZZZZ (ANG)
9161.7 V5G***: Romanian MFA, Bucharest 1818 ROU-FEC 164.5bd/400 (Bitmask=24)
9200  FUX: FN Le Port,REU UTC? RTTY 75/850 by 1996 uteguide encrypted trf. (RT2)
9236.7 Egyptian MFA, Cairo 2029 ARQ 100bd/170 MSGs to Washington & London (MC)
9262.5 MTI: Plymouth Naval, UK 1230 RTTY 850/75 clg MTT; 7"-bit Baudot calling, 7-bit crypto tcf (JD2)
9277.9 DMK: German MFA, Bonn 0639 RShARQ 228.7bd/170 tfc (MC)
9317  V5G***: Romanian MFA, Bucharest 1818 ROU-FEC 164.5bd/400 (Bitmask=24)
9331.7 Egyptian MFA, Cairo 2029 ARQ 100bd/170 tfc (MC)
9340  RCH72: Tashkent Meteo 1812 FAX 90/576 end of chart (not running parallel to 8083/9150). carrier off. (DW)
9395  HMF84: KCNA Pyongyang 1830 RTTY 50/250 nx (DG)
9447.4 MOD Germany IFOR 0654 ARQhE 72 idle 85hz shift (EW)
10011.3 Unid: Algerian Customs??,??? 2022 Coquelet-8 26.7bd Opchat in FF stations "hadika, mlk, dgd, oua" (MC)
10117  BAF4: Beijing MET 2138 FAX 120/576 polar charts. (DW)
10151.5 AAAH: Army MARS, Ft Lewis, WA 0340 RTTY 75/170 w/Armed Forces Day 1996 message from SecDef, //6988. (RB)
10151.6 AAAOUSA: 1404 Packet msgs to AAT9TCN (RM)
10174.5 Guardia Civil 1030 ARQ jecor huesca - jezo barcelona (jecor=jefe coronel, jezo=jefe zona) personnel transfer messages til 1045 (ANEE)
10177.7 RFFA: MOD Paris, France ARQ-E 192/425 idle (rt2)
10198.5 MKK: 1655 VFT 50/170 RAF London foxes ryi's 10c (RM)
10206.7 MFA Cairo 1749 ARQ tfc in offline encryption signed amb. dr mahmoud farghal. (relay?). constant mark between bursts, breaks in tcf as if poor qso, further tcf in atu80. (DW)
10250.0 ECA: Madrid meteo 1748 FAX 120/576 wx chrt (DG)
10303.5 Unid: 1748 TTT2300b 100bd idle (MC)
1036  OMZ66: MFA Bratislava 1353 IRAhARQ 213bd/485 10 bit +292.8bd/485 w/chat+testing (ANG)
10340.5 Unid 2030 RTTY 110/170. w/enc (RM)
10352.2 MOSSAD Tel Aviv 1620 UNID FEC system 75bd/100 ACF=28/224//12376.2 & 14750.2 (ANG)
10376  Unid 1636 RTTY 110/170. w/enc (RM)
10382.6 Unid: UTC? RTTY 100/572 untid (rt2).
10765 RDFCFs: Danish military 2048 RTTY 75/850 (DG)
10796.1 Unid: 2042 ARQ-E3 192/400 idling (DG) RFLI: FF FT de France 0649
ARQ-E3 96/400 8CRC. BETAS. controle de voie "rfl1 de rfl1". cct (1rt) and off line encrypted tfc to rfl12f. (DW) RFLI: FF Fort de
France. Mrt ARQ-E3 96/447 Idle good sig. (RT2).
10821.7 Egyptian diplo 1803 ARQ 5fg's. (BvR) Egyptian Embassy, London 1812
ARQ 100bd/140 ATU-80 MSGS "jg dghhhmg" to MFA Cairo (MC)
10865 NAM: Usn Norfolk 1824 FAX 120/576 sat pic (BvR) (moved some time ago
to NAA, Cutler, Me -LOGS)
10912 MFA Ankara? 0530 FFC-100 (ANEE)
10917.7 RFTJ: FF Darar 1544 ARQ-E3 48 5 fgs [tjf] (BvR)
10945 CFH: CF Halifax, NS Canada RTTY 75/931 NAWS/WX. (RT2).
10952 MFA Berne 1050 ARQ new fre and sked time til 1630 (ANEE) HBD74: Sui
emb. Kinshasa 1049 ARQ "no message + ? hbd 74" then s/off. (BvR)
10961 HBD20: MFA Berne 1247 ARQ 5 fgs (BvR) HBD20: MFA Berne 1020 ARQ 5FG'S
(DG)
10962.3 RFFVAY: FF Sarajevo 1556 ARQ-M2 200/400 idling (DG)
10963 HBD90: Sui emp 1044 ARQ 5FG'S mode, "no mgs + hbd 90" then s/off.
(BvR) HBD20: MFA Berne 1842 ARQ 5FG'S (DG)
10966 Unid: 1518 RS-ARQ 228.7bd/170 tfc (MC)
10967 HBD20: MFA Berne 1027 ARQ 5FG'S (DG)
10971 HBD44: 1006 ARQ Unid sui emb 5FG'S mode and "no message+?" (BvR)
10973 HBD20: MFA Berne 1004 ARQ 5 fgs (BvR)
10991.7 RFFVAY: FF Sarajevo 1825 ARQ-M2 200/400 idling (DG)
10998.8 Unid: 2333 RTTY 75/850 u/i w/airline poion reports (RM) (this
interesting station also logged sending KAWN wx data -LOGS)
11033 Unid: 1153 RTTY 75 too weak. some EE words but very poor signal. (EW)
11034.7 Egyptian MFA, Cairo 1612 ARQ ATU-80 MSGS to Abu Dhabi, Doha, Beirut,
Tunis... (MC)
11039 DDH9: Hamburg meteo 1715 RTTY 50/450 meteo rpts (DG) DDH9: Hamburg
Meteo, Germany 1002 RTTY 50bd/400 "ryryryry... cq cq cq de ddh47 ddh8
ddh9" (MC) DDH9: Pinneberg Meteo 1845 RTTY 50/400 coded wx (RM) DDH9:
HAMBURG METEO, D 1904 RTTY 50/425 meteo (SS)
11043.7 RFTJD: Liberville ARQ-E3 192/470 NMR/403/comair det ###### & 5lg.
(RT2)
11050 HGL***: French Embassy, Algiers 1632 FEC-100 192bd/400 5LGs to RFGW
(French MFA Paris) (MC)
11074 Russian Dipl, loc?? 1847 CROWD-36, tfc (MC)
11080 Damascus 1854 RTTY 50/400 SANA nx/EE to 1900 (RM) Sana 1000 RTTY 50
EE nx. (BvR)
11106.5 MFA Brussels 0722 RTTY 100/170 11106.530. chan3 in 6028 vft. offline
crypted tfc. later calls then tfc in Dutch & offline encryption. (DW)
11106.8 Belgian Emb Tel Aviv 0736 RTTY 100/170 11106.870. chan4 in 6028 vft.
tfc in offline encrypt (5 ltr grps) to brussels. (DW)
11107.5 MOI Spain NET 0928 ARQ simplex circuit, ends "ok cmf cmf grs hl ps
fin". all characteristics of SS moi operations. (DW)
11110.5 RFLI: FF Fort de France 1002 ARQ-E3 192 Idle (BvR)
11118 AFS: USAF AMS Ohama,NEB USA RTTY 75/927 coded wx. (RT2).
11133 Unid: 0530 ARQ-E 96 idle till 1030 (ANEE)
11148.2 Russian Mf!, loc?? 1712 M55 12 tone vocoder (3300Hz pilot) (MC)
11155 GYU: RN Gibraltar,0900,PICCOLO w/svce msgs (ML2)
11156 Russian Ml, loc?? 1117 81-81 81bd/250 idle (MC)
11170.2 DOR: MFA Sofia 1350 IRA-ARQ 600bd/500, msgs in 'UENCODE-style'
format (ANG)
11172.3 DOR: MFA Sofia 1025 IRA-ARQ 600bd/500, with very long FGS (ANG)
11201.7 Turkish Police Bosnia Link 1018 ARQ traffic in turkish. At 1324
Selcals vsvv, tfc in turkish, ends with "clear++". At 1459 tfc in
turkish. (DW)
11401.6 UNHCR, Nairobi 1805 PacTOR-U 200bd/200 NX abt various African
countries to Geneva (MC)
11408 OMZ66: MFA Bratislava 1342 IRA-ARQ 213bd/485 10 bit w/chat+testing.
(ANG)
11410 OMZ66: MFA Bratislava 1340 IRA-ARQ 213bd/485 10 bit w/chat+testing.
(ANG)
11413.5 GXQ: Royal Navy, Whitehall 1716 VFT: 5ch of 50/170 Baudot, "iryiryiry
de gxq" (MC)

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Romanian Embassy, loc?? 0913 ROU-FEC 218.3bd/400 crypto (MC)

Egyptian MFA, Cairo 1850 ARQ 100bd/170 ATU-80 MSGs to various embassies (MC)

FJY5: TAAF Alfred Faure CRO, 0920, ARQ-E3 96/400 w/msg to FJY2. (ML2)

Unid: Romanian Embassy, Beirut 1618 ROU-FEC 213.8bd/400 MSGs in Romanian to MFA Bucharest (MC)

SOL242B: PAX NY Warsaw 1536 FEC NX (DG)

HMF55: KCNA Pyongyang 2201 RTTY 50/250 nx/EE (DG) HMF55: 1548 RTTY 50/250 KCNA Jungsan nx/EE (RM)

Unid: 0922 ARQ 100bd/170 Opcodes in SS (like 10435.3kHz) (MC)

Unid 1554 RTTY 50/250 w/enc (RM) MFA Roma 0947 ARQ-E 96 5 fgs to Eur emb. (BvR)

SNN299: MFA Warsaw 1001 POL-ARQ 100/250 diplo tcf (DG) SNN299: MFA Warsaw, Poland 1310 FSK Morse Test tape h VVs and c/s (JD2) SNN299: MFA Warsaw, POL 1429 POL-ARQ 100/232 nx items in EE. (PB)

HMF52: KCNA NX Pyongyang 1812 RTTY 50/250 NX (DG)

AOK: Usn Rota 1500 FAX 120/576 wx chart (BvR)

RFTTA: Paris (?) 1320 ARQ-M2 200/374. tcf to RFFVAY Sarajevo 1st msg mentions WARLOCK 01 arrived LQMO 1229 departed 1307 for LDSP. ? LQMO/ Mostar LDSP/Split ?nd msg looks like a relay for the Brits. Starts with RFFTA and RFFVAY but text (5lg) is from RBPMB to RXDBON. (PT)

Unid 1556 RTTY 50/850. w/enc (RM)

Unid: 1715 RS-ARQ 228.7bd/170 RYS (MC)

Unid 1622 RTTY 75/210. w/enc (RM)

1910 ALE pulses within passband of receiver. (JH)

RFTJ: FF Dakar 1734 ARQ-E3 192/400 circuit test (DG)

Unid 1621 RTTY 75/850. w/enc (RM)

MAF Oslo 0815 TWINPLEX 100 (ANEE)

Unid: MFA Warsaw 1001 POL-ARQ 100/250 diplo tcf (DG)

SN299: Polish MFA, Warsaw 1621 POL-ARQ 100bd/250 QTC list for Beirut. (MC)

DOR***: Bulgarian MFA, Sofia 0909 RTTY 150bd/500 NX in Bulgarian (MC)

HWN: FN Paris F UTC? ARQ-E3 192/923 rys sx 0-9 de hwn. (RT2)

DoSC Moscow 1257 link <70004> MFSK 40+10bd, 5 LGs to unloc sta. (ANG) [Crowd=36 mode? -LOGS]

Unid 1603 RTTY 50/850. w/enc (RM)

Unid 1052 ARQ-E 96 coded msgs s/off with ovrovrovovrovvr into usb It. diplo? (BvR)

Unid: Soud station 1411 RTTY 75/500 5FG'S (DG) (link 00142 to KUL -LOGS)

Unid: 1655 Piccolo, idle (MC)

NBA: USN Balboa 1615 RTTY 75/850 w/enc (RM)

OMZ66: MFA Bratislava 1343 IRA-ARQ 213bd/448 10 bit w/chat+testing. (ANG)

PFDZG: MFA Belgrade 0720 RTTY 75bd + FEC-A-144, tcf to 'JNXC' (ANG)

Y2IZ:34: Tanjug Belgrade 1600 RTTY 50/425 nx/EE (RM)

Xinhua 1628 RTTY 75/400 nx/EE (RM)

GYU: Royal Navy, Gibraltar 1137 VFT: 2ch of Piccolo-6, eng ch. "de gyu pse phone us kkkk" (MC)

GYU: Royal Navy, Gibraltar 1137 VFT: 2ch of Piccolo-6, traffic ch idle (MC)

Mossad Tel Aviv 1620 UNID FEC system 75bd/100 ACF=28/224//10352.5 & 14750.2 (ANG)

Mossad Tel Aviv 1623 UNID FEC system 150bd/100 ACF=28/224//10352.5 & 14750.5 (ANG)

Mossad Tel Aviv 1620 UNID FEC system 75bd/100 ACF=28/224//10352.5 & 14750.2 (ANG)

Mossad Tel Aviv 1623 UNID FEC system 150bd/100 ACF=28/224//10352.5 & 14750.5 (ANG)

Mossad Tel Aviv 1620 UNID FEC system 75bd/100 ACF=28/224//10352.5 & 14750.2 (ANG)

Mossad Tel Aviv 1623 UNID FEC system 150bd/100 ACF=28/224//10352.5 & 14750.5 (ANG)

Mossad Tel Aviv 1620 UNID FEC system 75bd/100 ACF=28/224//10352.5 & 14750.2 (ANG)

Mossad Tel Aviv 1623 UNID FEC system 150bd/100 ACF=28/224//10352.5 & 14750.5 (ANG)
12479.5 9HTG3: M/V AIRE F. 0625 ARQ w/tlx login 13696 9htg3. (WT)
12480.5 9HWA4 M/V Grigoroussa 1510 ARQ w/unberthing report for Mississippi River w/28216.06 MT cargo, proceeding Veracruz, eta st. pete, rus. login 55212 urae. C6LH4: M/V CHIQUITA BREMAN 2348 ARQ w/bbxx login 29125 chbr. H9UM: ARCADIA 0045 ARQ w/tlx, eta jackson point, eta kingston. UNID: BULK TRADER 0148 ARQ w/eta st. thomas. login 29128 bulktr. (WT)
12481 UTWY: TKH SVANETIYA 1640 ARQ crew TGs to UUI (vsl is ex UOIJ). (HOOD)
12481.5 PESF: TR Holland Clipper 1946 ARQ w/tlx for ETA Port of Daytona, Port Canaveral, login 81755 PESF. C6LM4: TR Prince of Tides 2040 ARQ w/posn tlx, 290 miles N. of Puerto Rico, login 63166 TIDE.(RB)
12483 UTRD: Akhtyubinsk 1350 ARQ stowage rpt, selcall 55801. (AB2)
12484 ELIX2: Sea wind 1419 ARQ ETA Magellan Straight. (AB2) SHIP "AGULHAS" 1901 ARQ txf to hamburg via norddeich/dan. (DW) (3ELE9 -LOGS) PPOB: M/V Frotamanaus 0037 ARQ w/tlx to Frota Rio re arrival Miami, ETA Macapa pilot. (RB) PPOB: M/V FROTAMANUA 0038 ARQ w/tlx, eta Macapa pilot 3 jun. (WT)
12486 3EJN3: LA BONITA 2350 ARQ w/amver/pr 0331n 10833w dest Yokohama. (WT)
12487 UDSX: Vera Maryetskaya 1401 ARQ txf via KPH. (AB2) UIIE: TKH Vilyam (William) Foster 1617 RTTY w/EE tlxs for ETA Matanzas pilot/draft info. (RB) WSRH: SS KAUAU 0233 ARQ w/e-mail login 11330 wsrh. C6HI6: M/V CLIPPER UNITY (EX-IRIS) 0115 ARQ w/msg to mrcc falmouth "vsl is safe, inmarsat distress was error". H9HK: M/V FRIO GALICIA 2340 ARQ w/tlx 2413n 05725w, eta 04061400. login 42435 friga. SVKJ: M/V SKYROS 2352 ARQ w/tlx eta panama 13th. login 16961 svkj. (WT)
12490.5 9HWO4: M/V Hargobind 0220 ARQ w/tlx to ShipIndia re ETA Kwangtang, S. Korea, login 23590 HRGD. UDSX: TKH Vera Mareskaya 2224 ARQ w/mv/mer, enrt Tokyo. ELKV3: M/V PACIFIC RUNNER 0005 ARQ wkg kph w/tlx, noon rpt. (WT)
12490.9 9VHL: Medea 0037 ARQ Singapore- flagged car carrier, w/amver/sp, login 26199 MEDEA. (RB) XYEL: M/V SPRING BEE 0450 ARQ w/urgent tlx re inop reefer. login 26291 xyel. 9HTQ2: SEARIDER 0230 ARQ w/tlx to athens. login 63332 ride. (WT)
12492.5 SHIP UNID/CUFW 2115 ARQ txf via lisbon/cul (DW) (M/V Praia de Santa Cruz -LOGS)
12493.5 3ENP4: FRIO OCEANIC 0002 ARQ tlx, eta Balboa. P3ABX: M/V ATLANTIS TWO 0018 ARQ tlx, eta burnside 3rd. login 01718 atwo. (WT)
12493.9 SQNY: OKSYWIE 2222 ARQ wkg spa in opr mode. login 43055 sqat. SQNY: OXSYWIE 0010 ARQ opr mode. login 43210 sqny. (WT)
12494 9HMX3: TK Novomir 1 2324 ARQ w/NVRTLG+ crew TG txf. EOIW: TKH Sergey Lemechev 2346 ARQ w/crew TG's to Novorossiysk.(RB)
12495.5 9HWO4: M/V "BOCHNIA" 1918 ARQ txf via gdynia radio. (DW) C6HI6: M/V ATLANTIS 1548 ARQ w/tlx re crew exchange, login now 61702 C6HI6, app the ex-IRIS. (RB)
12496.5 BOPU: M/V Qu Yuan 1516 ARQ w/tlx re ETA Cristobal. 3ETG9: M/S Royal Majesty 1641 ARQ Majestry Cruise Lines cruiship, w/amver/pr, login 22313 RYLM. BRXU: Ming He 2235 ARQ w/tlx re Satcom-C is out.(RB)
12496.5 ATPN: M/V Hargobind 0220 ARQ w/tlx to ShipIndia re ETA Kwangtang, S. Korea, login 23590 HRGD. UDSX: TKH Vera Mareskaya 1445 ARQ Russian bulk carrier w/tlx to Japan re cargo plan for Kishima, carrying 19760 MT Flour. (RB) ATPN: M/V HARGOBIND 2340 ARQ wkg kph w/tlx, tampa to cristobal. SQLY: CASSIOPEIA 0047 ARQ w/tlx. UDSX: M/V VERA MARESKAYA 0100 ARQ w/tlx dest kimitsu. login 54979. SQGX: OTOL 0705 ARQ w/tlx. itu mars gives name as otol-sw126 (?) login 43237 sqgx. WSNB: SS KENAI 0245 ARQ w/e-mail, eta the segundo 5/29. login 10738 wsnb. (WT)
12498 UWDX: TKH KAPITAN PAPKOV 1051 ARQ msg for eta Port Said fm Km Chervanyov. login 67846 UWDX (Vs1 is ex Leninckie Iskriy)
12499   Unid: 2134 ARQ in qso with Lyngby Radio/OXZ. Opr chat in Danish. (WT)
OWGU2: Charlotte SIF 1552 USB w/login for msgs, login 85375 OWGU2. (RB)
12500   SHIP "JOLLY GIALLO" 2140 ARQ tfc via Rome/IAR. (DW) (IBUJh LOGS)
12501   IBEA: M/C ECO AFRICA 1557 ARQ msg to Milan for eta Novorossiysk. Login 20857 IBEA. (HOOD)
P3VL2: M/V PONTOPOROS 2342 ARQ w/tlx login 56327 p3vl2. SQEW: M/S Eugeniusz Kwiatkowskii 0035 ARQ wkg w10 w/tlx to Poland. (WT)
12503   A8EF: M/T PAOLA I 0025 ARQ w/tlx login 26460 PAO1. (WT)
12503.5 LANU4: LPG/C Ravnanger 1822 ARQ w/tlx tfc re diagnostics of a system. (RB)
12504.5 SHIP "ASPILOS" 1821 ARQ tfc (giving eta khorfakkan) via Gkq. (9HWM4 LOGS)
12505.5 HUN4: M/V HERCEG NOVI 1800 ARQ psn rpt. Login 63300 9HUN3. J4UW: CARIBOU 1007 ARQ msg to Gkq5 login 16792 J4UW. (HOOD)
12506   WEZM: SS EWA 0156 ARQ hwskis, w/tlx to Riga Chart via Riga Radio on "SS00611", or Riga 12MHz ch.6. YLBF: TKH Ivans Kulibins 1712 ARQ w/SVC to Riga Radio, login 60633 YLBF. (RB)
12508   UNIS: TKH Kapitan Bukmakin 0227 FEC w/raboty wx report to Arkhangelsk Radio from master KM Zalyvskiy. (RB)
P3NH5: M/V KAPITAN KUDLAY 2352 ARQ w/msg, login 55467 P3NH5. (WT)
12509   LAUG4: M/V BRUNTO 0020 ARQ w/tlx. Login 26215 Brunto. J8EX5: M/V Racisce 0103 ARQ w/tlx in Polish. Login 26545 Racisce (WT)
12510   KLKZ: M/T OMI COLUMBIA 2255 ARQ w/fax to Alyeska Valdez. ETA Cape Hinch. (WT)
12512   UGMS: RTMS Kapitan Smelov 1926 RTTY 50/170 admin msgs from master KM Safonov. UEYP: TKH Tonya Bondarchuk 2010 RTTY in 50/170 admin from master KM Sugak. (RB)
12515   UYUV: TKH Inessa Armand 1620 50/170 admin to UUI. (HOOD)
12515.5 VSBU7: Stena Queen 2322 ARQ AMVER/PR 28.48N/89.53W. (AB2)
12516   UZKJ: TKH Novomirgorod 2024 ARQ RYRY/DE & w/SVC BLIND radio msg, uses incorrect callsign USJZ during RYRY. UEXD: TSM Lembit Pern, 3rd logging using this name. (RB)
12523   UVKG: RTMS Stratosfera 1725 RTTY in 50/170 admin TG’s to Tallinn Radio using hull# ID RTMS 7535. App chg from RTMS Lembit Perras to Tallinn Radio using hull# ID RTMS 7535, app chg from RTMS Lembit Perras, 3rd logging using this name. (RB)
WUNhv02

12564 UJDQ: TKH VERA MUKHINA 0810 RTTY 50/170 admin (passing Gibraltar) from Km Kurochkin to UCE. (HOOD)


12564.5 UYTB: RTMKS Rybakh1 2118 RTTY in 50/170 admin TGs to Kaliningrad Radio. UNNI: RTMS Chernyashev 2202 RTTY in 50/170 crew TG's to K-grad (KLD/MRH). (RB)

12565 LYBZ: M/L KAPITONAS DUBININ 0751 RTTY 50/170 crew TGs to LYK. UZHQ: APATIT 0752 RTTY 50/170 admin and BBXX using hull MA-0819 to UDK2. (HOOD) UDUR: BMRT VLADIMIR BRODYUK 0826 RTTY 50/170 admin and BBXX using hull TA-0047 to UDK2. (RB)

12565.5 UCBZ: RTMS Atoll 2153 RTTY in 50/170 crew TGs to Novorossiysk Radio (NVR/MRH).(RB)

12566 YLEL: GUNARS AKIS 0756 RTTY 50/170 msg from Km Drozdov using hull MI-0624. (HOOD) UFNI: BMRT VLADIMIR BRODYUK 0826 RTTY 50/170 admin and BBXX using hull TA-0047 to UDK2 . vsl off the coast of W Africa. (HOOD)

12566.5 ELS9: TKH KAPITONAS DUBININ 0757 RTTY 50/170 msg to ODS/UMF (BLASCO). Vsl is ex ENKP. (HOOD) UMFJ: BMRT VLADIMIR BRODYUK 0826 RTTY 50/170 admin and BBXX using hull TA-0047 to UDK2. (RB)

12567 UHLK: OBVA 0928 RTTY 50/170 msgs and BBXX from Km Pogorodniy using hull MI-0624. (HOOD) UFXI: TR Novorossiyskii Rabochin 2059 RTTY 50/170 Russian refrigerated fish carrier w/RYRY/DE to UGW, Novorossiysk Radio & w/admin TG from master KM Aliev, to Novorossiysk NPORP of weight & type of fish received from the factory trawler BMRT Atoll. UCBS: RTMS Nikifor Pavlov 2108 RTTY in 50/170 w/RR list of supplies needed to Novorossiysk NPORP from master KM Povdyrev. (NVR/KRH). SONT: M/V Kociewie 2222 ARQ w/tlx in Polish. (RB)

12567.5 UYKG: TKH KOTOVSKIY 1047 RTTY 50/170 Rys on this freq and 12568.5 to UUI, no joy. (HOOD)

12568 UVEZ: LEONID GALCHENKO 0750 RTTY 50/170 name and hull MA-1821 in msgs from Km Samoylov to MURMANSK BTP DEVRYBA. (HOOD) UPRR: BMRT Petr Sbignev 2127 RTTY in 50/170 admin and BBXX using hull MA-0055. (RB)

12569 UAYQ: BMRT Sergey Markarevic 2020 RTTY -h 50/170 RYRY/DE to UD-2, Murmansk Radio, & w/pogoda (wx) report using hull#ID MB-0017, also lists callsign UIAV, UHLE, & UHVL, also large trawlers out of Murmansk, & UAYX, UAYO which are unknown. This is a app ex-UAYC. UCSI: RTMS Eysk 2114 RTTY in 50/170 crew TG's to Novorossiysk. (RB)

12571 URMJ: TKH MEKHANIK ZHELTOVSKIY 0830 ARQ admin fm Km Sukhanov to UCE. UMQB: TKH MEKHANIK KOTTOSOV 0946 ARQ msg fm Km Trenin to UCE (Sel 55521). (HOOD)

12571.5 ULYB: SRTMK Seduva 2120 RTTY in 50/170 crew TGs using hull#ID LI-8145. (RB)

12572 UZHQ: APATIT (MA-0819) 0732 RTTY 50/170 Obs rpt to UDK2 (then QSY 8402.0 for crew TGs). UAYQ: N/A 0758 RTTY 50/170 admin from Km Bezdorin using hull MB-0013 to UDK2. (HOOD) (app chg from USRM, BMRT Pavel Panin? -LOGS)

12572.5 SQMO: M/T AQUARIUS 0226 ARQ w/msgs. login 43208 sqmo. (WT)

12573 UNIX: PR RUS 0729 RTTY 50/170 crew TGs to UIW (hrd twice with this call and name). (HOOD) UYTB: RTMKS Rybak-1 2100 RTTY in 50/170 RYRY/DE to UIW, K-grad, & w/3 admin TG's (KLD/RYK) to Kaliningrad Radio. (RB)

12574 UIAW: MIKHAIL KVASHNIKOV 0754 RTTY 50/170 admin fm Km Pakhodin using hull MB-0006 to UDK2. (HOOD) UPRR: BMRT Petr Sbignev 2010 RTTY in 50/170 RYRY/DE to UDK2, Murmansk Radio, & w/crew TG's using hull#ID
WUNhv02

12574.5 UWGZ: TKH KAPITAN SMIRNOV 0915 RTTY msg in Eng to Silver Lines, London via UUI. EMMD: PROLIV VILKITSOGO 1155 RTTY 50/170 crew TG's to UIW. (HOOD)

12576 EMMN: RTMS FOROS 0634 RTTY 50/170 msg in Eng to BRK. UDUR: RTMKS Admiral Starkov 2052 RTTY in 50/170 RYRY/DE to UDKh2, & into admin TG's to Murmansk Sevryba using hull#/ID MAh1812 (MMR/KRH). (RB)

12577 OXZ: Lyngby Radio 1238 GMDSS 100/170 one packet 1243z. fm 219--1000 (lyngbyradio) to 538--1079 test indicating 12290 for tx/rx. (DW)

12579 NIK: USCG Boston 1213 FEC idling then msi broadcast starts 1218z, International ice patrol(iip) bulletin. (DW)

12579.5 YLQ: Riga Radio 0645/1812/1917 CW/SITOR marker "ylq scan auto" and tuning bursts. (DW)

12580 GKE5: Portishead Radio 0646 CW/SITOR marker "gke5" and tuning bursts. (DW)

12581 LSD836: Buenos Aires Radio 1842 CW/SITOR marker "lsd836" and tuning bursts. (DW)

12582 SAB606: Goeteborg Radio 0649 ARQ "erererer" maritex marker string, selcals cptv. tcf to morflot batumi/ugsz. (WT)

12582.5 FFT61: St Lys Radio 1156 ARQ end of qso with ship sereno (?). marker "fft" and tuning burst.sitor/b at 1200z. tcf list, svc to french ships re charges, qrf list. (DW)

12583.5 UUI: Odessa Radio 1923 ARQ tcf to uydp, dvuzeppe/uyjsj in third shift cyrillic, & to other ships. (DW)

12584.5 WLO: Mobile Radio 2040 CW/SITOR marker "wlo" and tuning burst. (DW)

12585 PCH55: Scheveningen Radio 2041 CW/SITOR marker "pch" & tuning burst. (DW)

12586.5 DAN: Norddeich Radio 2044 CW/SITOR marker "dan" & tuning burst. (DW)

12587 EAD: Madrid Radio 1903 CW/SITOR marker "ead" and tuning bursts. (DW)

12588 HEC13: Bern Radio 0653 ARQ sending station info to ship c/s ibea.(DW)

12589.5 WCC: Chatham Radio 2103 CW/SITOR marker "wcc" and tuning burst. (DW)

12590 EAD: Madrid Radio 2101 FEC qtc list. nxt list 2300z. rptd. (DW)

12591 SAB624: Goeteborg Radio 0700 ARQ end of qso with unid ship. marker "ererer" maritex string, selcals bftq. (DW)

12592 CNP: Casablanca Radio 1956 CW/SITOR marker "cnp" & tuning burst. (DW)

12593 OXZ: Lyngby Radio 2106 CW/SITOR marker "oxz" and tuning burst. (DW)

12593.5 ESA: Tallinin Radio 1908 CW/SITOR marker "de esa" & tuning burst.(DW)

12593.5 9VG81: Singapore Radio 0621 ARQ poor sync. wkg unid ship. marker "9vg" and tuning burst. (DW)

12594 PPR: Rio de Janeiro Radio 2110 CW/SITOR marker "ppr" & tuning bursts. (DW)

12594.5 A9M: Bahrain Radio 0626 CW/SITOR marker "a9m" and tuning burst. (DW)

12595 CUL: Lisbon Radio 2115 ARQ receiving tcf fm ship/cufw. (DW)

12596 WLO: Mobile Radio 2122 CW/SITOR marker "wlo" and tuning burst. (DW)

12596.5 PCH56: Scheveningen Radio 2124 CW/SITOR marker "pch" and tuning burst. (DW)

12597 9VG95: Singapore Radio 0628 ARQ marker "9vg" and tuning burst. working ship - unable sync due qrm. SPB62: Szczecin Radio 0631 CW/SITOR marker "spb" and tuning burst. (DW)

12597.5 UFN: Novorossiysk Radio 0633 ARQ accepting tcf fm unid ship c/s uaoi. marker "ufn", wkg ship c/s uaoi. (DW)

12598 WCC: Chatham Radio 2127 CW/SITOR marker "wcc" and tuning burst. (DW)

12598 SPA62: Gdynia Radio 1918 ARQ working ship "bochnia"/9hwo4. marker "spa" and tuning burst. (DW)

12599 WLO: Mobile Radio 2130 CW/SITOR marker "wlo" and tuning burst (DW)

12599.5 UAT: Moscow Radio 0639 ARQ accepting tcf fm ships c/sign ubny, mskusdu (msk?), tcf to kuusalu/esgi. marker "uat" and tuning burst. (DW)

12600.5 HEC23: Bern Radio 2132 CW/SITOR marker "hec" & tuning burst (DW)

12601.5 OXZ: Lyngby Radio 2134 ARQ qso with unid ship. marker "oxz" and tuning burst. (DW)

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12602.5 IAR: Rome Radio 2140 ARQ receiving tfc in italian fm ship "jolly giallo" then marker "iar" and tuning bursts. (DW)

12603.5 SVUS: Athens Radio 1926 CW/SITOR marker "de svs" and long tuning dash on mark. (DW)

12604.5 9AR: Rijeka Radio 0718 CW/SITOR marker "9ar" and tuning burst. (DW)

12605.5 FFT64: St Lys Radio 0720 CW/SITOR marker "fft" and tuning burst. (DW)

12607.5 WNU: Slidell Radio 2152 FEC offshore marine forecasts fm nws new orleans/nws miami for gulf, caribbean, sw n/atlantic. stn info, tfc list, thurs baseball results. zsc tfc list. marker "wnu" and tuning bursts. (DW)

12608 WLO: Mobile Radio 1929 CW/SITOR marker "wlo" and tuning bursts. (DW)

12609.5 GKQ5: Portishead Rdo 0721 CW/SITOR marker "gkq5" & tuning burst. (DW)

12610.5 FFT: St Lys Radio 0940 ARQ msg to URME: TKH KOMSOMOLETS MOLDAVII (Sel 67841) and 1425 ARQ msg to 5BVC: OCEAN WINNER (Sel 05252). (HOOD)

12611.5 KEJ: Globe Wireless, Kahalelan, Hi, US 0420 FEC w/station info, tfc list. (RB)

12613 XSQ: Guangzhou Radio 1831 CW/SITOR marker "xsq" & tuning bursts. (DW)

12615 USU: Mariupol Radio 0600 ARQ working uypg, uvui. marker "usu" & tuning bursts. (DW) USU: MARIUPOLE RADIO 1817 ARQ msg to USPV: MEBHANIK ANISIKIN. Same at 1125 msg in EE from Algeciras for UVVY: TKH SUMY. (HOOD)

12624 SAB691: Goeteborg Radio 1835 FEC qtc list/station info for globe radio network stations before fading out. (DW) SAB: GLOBAL RADIO, GOETEBORG 0735 FEC Global's "Hello all stations" and tcf list. (HOOD)

12625.5 UCE: Arkhangelsk Radio 0631 ARQ tcf in 3sc. marker - tuning bursts without id. Inverted selcal socuv then sitor/b to = radio wybornaa adres 2 km = (DW)

12626.5 UON: BAKU (CASPION SHIPPING CO) RADIO 1013 CW tcf to 4JBZ: TKH MAHMUD RAGMOV. (HOOD)

12627.5 USU: Mariupol Radio 2226 CW/SITOR marker "usu" and tuning burst. At 0815 wkg ships c/sign urer and usbt. (DW)

12631 WOM: Miami Radio 2245 FEC wx forecast fm nws miami for caribbean and sw atlantic. forecast fm nws new orleans for gulf of mexico. (DW)

12632 WOO: Ocean Gate Radio 2230 FEC wx forecasts for n/atlantic, caribbean and gulf of mexico. offshore marine forecast by nws taunton, ma. (DW)

12632.5 UGC: St Petersbourg Radio 0531/0757 CW/SITOR marker "ugc" and tuning bursts. (DW)

12639.5 OST50: Oostende Radio 2243 CW/SITOR marker - tuning burst and "ost". (DW)

12647 LPD: General Pacheco Radio 2300 CW/SITOR marker "lpd" and tuning bursts. (DW) LPD: General Pacheco Radio 0425 ARQ Argentina, w/sitor free signal, CW ID. (RB)

12649.5 XSG: Shanghai Radio 2303 CW/SITOR marker "xsg" & tuning bursts. (DW) XSG: Shanghai Radio, CHN 1334 FEC w/4Lgs + Freq. schedule, at 2008, w/CW-marker (PB)

12651.5 FFT: St Lys Radio 0909 CW/SITOR marker "fft" and tuning burst. (not particularly clean note - spurious ?) - testing? as marker sometimes off. (DW)

12652 SAB647: Goeteborg Radio 2305 CW/SITOR marker "sab" and 7 tuning bursts with varying tone patterns. (DW)

12714 UCE: ARKHANGELSK (Northern Shipping Co) RADIO 0725 ARQ admin to UVAK: PIONER ESTONII for km Averin (vs) call sign changed in ITU to UCBEW but still using old call). (HOOD)

12735 URL: SEVASTOPOL FISHERIES RADIO 0800 RTTY 50/170 DY tape to 4LA w/ freqs 12735/17147 and tcf to UYYP: TR BUKHTA KAMUSHOVAYA and ENFI: Ups KHERSONES (This one is ex ULXS). (HOOD)

12750 NIK: Uscg Boston 1018 FAX 120/576 ice chrt (BVR)

13047 UUI: Odessa Radio 1530 RTTY 50/170 tlx's (DG)

13030 UGC: ST PETERSBURG RADIO (BALTCO) 1312 RTTY 50/170 crew TGs for TKH NOVOMOSKOVSK. (HOOD)
13356.7 Egyptian Embassy, Algiers 1531 ARQ ATU-80 MSGs to MFA Cairo (MC)
13378.5 MFA Roma 0800 ARQ 5 Lgs to unloc embassy (ANG)
13381.5 IPG20: Italian MFA, Rome 0704 ARQ 5Lgs to San'a ("ambsana") (MC)
13383.5 MFA Rome 0731 ARQ 5fg's/chatter (DG)
13386.7 Egyptian Embassy, loc??? 1431 ARQ MSGs fm Rome to Cairo (MC)
13387 WJI***: Italian Intel, Rome 0718 ARQhE 96bd/850 5Lgs to "CJL" (Channel 38) QSO 14781.5kHz (MC)
13397 Unid: 1459 300.52/850 TP sys (RM)
13406.3 Russian Mil, loc?? 1401 MS5 12 tone vocoder (3300Hz pilot) (MC)
13413.5 French Diplo?,??? 1601 TT2300b 100bd tfc (MC)
13414.5 EAE220: MFA Madrid, S 1033 TWINPLEX 100 w/selector TQQV (PB)
13415 PCW1: Mfa Den Haag 1712 TWINPLEX 100 (F7B4) 5 fgs to Tehran (BVR)
13418 Unid: 1518 ARQ-E 72/400 idling (DG) (6XM8/C37A Mossad/BND link -LOGS)
13419 Mossad 0530 ARQ-E 288 BND link very active til 1430 (ANEE)
13419 Unid: 1636 ARQ-E/288 w/enc (RM) (see prior log -LOGS)
13443 Unid: 1605 RTTY 100/400 w/enc (RM)
13447.5 GYU: Royal Navy, Gibraltar 1848 VFT: 2ch of Picolloh6, eng ch. "de gyu we got greens this ta pal" (MC)
13447.9 GYU: Royal Navy, Gibraltar 1849 VFT: 2ch of Picolloh6, traffic ch. idle (MC)
13450 'RGA': DoSC Moscow 0800 RTTY 75bd/500, 5 LGs to 'BFR' (ANG)
13465.2 RFRA***: FF, Paris 1554 ARQ-E 200bd/400 5LGS relaying tfc fm RFRACT, RFTFT (MC)
13481.7 Egyptian MFA, Cairo 1611 ARQ ATU-80 MSGs to selcal "TVQV" (Embassy Riyadh) (MC)
13501.7 Egyptian Embassy, Tripoli 1033 ARQ 100/140 5Lgs and ATU-80 MSGs to MFA Cairo (jg cfkydp) (MC)
13501.8 Egyptian Embassy, Madrid 1039 ARQ ATU-80 MSGs to MFA Cairo fm "jg jmfsm" (MC)
13503 DoSC Moscow, link <40034> 1000 RTTY 75bd/500 5 LGs to unloc sta. (ANG)
13506 Russian Diplo, loc?? 1533 CROWD-36, tfc (MC)
13525.5 GYU: Royal Navy, Gibraltar 1001 VFT: 2ch of Picollo6, eng. "de gyu pse phone us kkkk" (QSO 11155kHz) (MC)
13525.9 GYU: Royal Navy, Gibraltar 1002 VFT: 2ch of Picollo6, traffic ch. idle (MC)
13530 DoSC Moscow, link <12311> 0753 RTTY 50bd/500 transmitting same strange 5FG message (190 grps)all day long. (ANG)
13541 USMC MARS sta 1550 PACTOR. w/MARSgrams (RM)
13592.6 Rome Meteo? 1507 FAX 120/576 wx fax (DG) (perhaps they wandered off 13597.47 -LOGS)
13593.7 RFRA: MOD Paris, F 0958 ARQ-E 192/400 Msg in FF. (PB)
13870 Romanian MFA?, 1401 ROU-FEC 164/400 diplo tfc (DG)
13908 German Diplo?,??? 0905 ARQ-E 96bd/200 crypto (QSY from 13903kHz) (MC)
13913.6 Unid: 1123 PacTOR 200bd/200 UNID sub-mode, no sync (MC)
13920 AXM: Melbourne meteo 1449 FAX 120/576 gal wrng (BVR)
13933.6 Algerian Customs, ElOued 1104 Coquelet-8 26.7bd MSGs in FF to wilayate Customs (MC)
13934.8 Algerian Customs, Ouargla 1247 Coquelet-8 26.7bd MSGs in FF to Deb Dub Customs (MC)
13936.3 Algerian Customs, Ouargla 1041 Coquelet-8 26.7bd MSGs in FF to Oran/skikda/wilayate Customs (MC)
13945.6 Unid: 2151 ARQ-E 96/200 idling (DG)
13954.5 HBD20: Swiss MFA, Berne 1812 ARQ 5Lgs to Embassy Havana (MC)
HBD20: MFA Berne 0841/1327 ARQ 5FG'S (DG)
13956.4 Tunisian diplomatic 1855 FEC 5Lg msg; op chat in FF. (JD2)
13965.5 HBD20/7: Swiss MFA, Berne 1843 ARQ Delivering message to Embassy Ottawa "BMRC" 5. Swiss Embassy, Ottawa 1844 ARQ MSGs from MFA Berne. (MC)
13965.6 Unid: UTC? PACTOR unid. (J12) (ICRC Geneva -LOGS)
13966.4 ICRC India PACTOR-I, status-report. (J12)
13967.2 Unid: 0731 FEC CBRS mode time signal "-22 -22 -20 - 0730m07s" (MC) (this is at least French Gov't, see Dec. 1995 WUNNEWS -LOGS)
13976 HBD20: MFA Berne 0832 ARQ 5FG'S (DG)
13977.7 RFRA: MOD Paris 0626 ARQ-E 200 msg to n'djamena chad (EW)

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13981.8 Unid: 1742 ARQ Operator chatter in Italian selcal "IQIZ" (MC)
13986.7 Unid: 2037 ARQ-E3 192/400 RQ sig (RM) (RFFA MOD Paris? -LOGS)
13996.5 Unid: UTC? RTTY 50bd/386 testslip "RYYRYYRYY NNNN ZCZC QJH HSSSYFYX".
(3J2) (Ary sez this is Khartoum ACC -LOGS) STK: Khartoum Air 1947
RTTY 50/400 zczc qjh hsssyfyx ry's nnnn (RM)
14311.7 Unid: Chinese Diplo.??? 1517 4+4 (MC)
14338.8 BAF47: Beijing, China 0930 RTTY 850/50 Synoptic wx; either off-freq
or using LSB (should be 14340 kHz) (JD2)
14365.3 Unid: 1613 PacTOR 200bd/200 UNID sub-mode, tcf (MC)
14367  BZP54: Xinhua 1031 RTTY 75 eng nx (BVR)
14372  Unid: 0920 RTTY 75/400 encrypted tcf (DG) (SNN299? -LOGS)
14424.7 Egyptian MFA, Cairo 1146 ARQ 100bd/170 Calling "KKVA" (Embassy Lagos)
(MC)
14425.3 Unid: Chinese Diplo.??? 1517 4+4 (MC)
14439.3 Unid: 2203 G-TOR 100/200, ASCII Base3 to Lubo, and Rotax and Borax
trading connect verifiers, no traffic (ED)
14439.9 Unid: 2140 G-TOR 100/200, ASCII (upper case) no callsigns, sp.msg. re:
permits and a list. ? (ED)
14433  Unid: 1703 PACKET 300/200 5FG's, Pepe & Tito in communications. This
net was very active 3 years ago with similar callsigns, Bocu, Sara,
always consonant, vowel, consonant, vowel etc., I believe at the time
someone identified the net as related to a military training center
somewhere in South America. Anyone able to add more details on
this????? (ED)
14452  HMF57: KCNA Pyongyang 0757 RTTY 50/250 nx (DG)
14465.5 CLPL1: MFA Havana 2120 RTTY 50/500 crypto after ZZZZ to Nigeria (RM)
14471.7 Unid: 1512 TWINPLEXh1? 100bd h200/h100/100/600 tones (MC)
14475  DoSc Moscow, link <60047> 0820 RTTY 75bd/500 5 LGs to unloc sta.
(ANG)
14477.3 Unid. 2130 RTTY 100/850 w/enc (RM)
14492  MFA Vienna 0830 ARQ-5 96 (ANE)
14497.5 CSY: Santa Maria Air 2210 RTTY 50/850 ry (RM)
14508  Unid: 1643 ARQ6-90/200 +CW went to idle just as was tuned in. s/o msg
at 1714 As 34 to 41 gru ar end" then brief cw (RM)
14524  SAM: MFA Stockholm 0810 SWE-ARQ 100bd to Beijing, Manila, Riyadh
(ANG)
14525  DoSc Moscow, link <20076> 1225 RTTY 75bd/500 5 LGs to unloc sta.
(ANG)  Unid: 1240 RTTY 75/500 5LGs ended w/qru no ID; maybe Embassy
Albania? (PB) (Brotherhood, -LOGS)
14532  SOUD station 1610 RTTY 75/500 5FG'S (DG)
14534.5 MFA Luanda 0800 ARQ maybe mfa lisbon w/ckt test qsy to chan 2 (?)
(ANE)
14540.2 Russian Mil, loc?? 1038 MS5 12 tone vocoder (3300Hz pilot) (MC)
14543.7 Italian Diplo/Mil,??? 0907 FSK 1200bps UNID System (MC)
14545.7 701***,751***: North Africa? 1617 Packet 300bd/200 AX.25, crypto (MC)
14593  MTS: RAF Port Stanley 1800 PICC//VFT two channel piccolo vft on usb.
(DW)
14593.5 MTS: RAF Port Stanley, Falklands 1042 VFT: 2ch of Piccolo-6, eng. ch
"mkk de mts pse confirm inskip chirp" (MC)
14612  Unid: 1139 RS-ARQ 228.5bd/170 tcf (MC)
14615.2 Russian Mil, loc?? 1516 MS5 12 tone vocoder (3300Hz pilot) (MC)
14637.9 Unid: 2150 G-TOR 100/200, connection, "Movil2" to 'Basel', no traffic,
just connection verifiers. (ED) (Alan Doherty pointed out that this
might be Irish Military due to 'Movil' being in Ireland -LOGS)
14642  DoSc Moscow, link <10042> 0753 RTTY 75bd/500 5 LGs to unloc sta.
(ANG)
14643.7 Unid: 1719 TWINPLEX 100 (F7B1) UN nx (BVR) (see next log -LOGS)
14650  Unid: 1040 RTTY 75 coded mgs s/off with qrm 5 r nil asm qzn 3 tks for
fb qso 73 sk (BVR)
14680  MFA Bucharest, Romania 0826 ROU-FOC 164.5/379 Encrypted tcf. (PB)
(V5G -LOGS)
14680.7 V5G***: Romanian MFA, Bucharest 1209 ROU-FOC 164.5bd/400 Circulars
for all embassies (Bitmask=24) (MC) MFA Bucharest 1145 ROU-FOC 164.4
(ANE)  14688.2 MFA Bucharest 0727 ROU-FOC 164/400 diplo tcf/nx (DG)
14690.5 GYU: Royal Navy, Gibraltar 1804 VFT: 2ch of Piccolo-6, eng. ch "de
gyu lo om qsy f2192 f2192..." (MC)

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tape. (ML2)

15832.7 V5G***: Romanian MFA, Sofia 1254 ROU-FEC 164.5bd/400 (Bitmask=16) crypto (MC)

15851.5 Unid: 0630 ARQ Unid 51m tfc poss diplo windhoek Namibia? tfc ends w/ "f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f x f
WUNhv02

vft. idle. (Dw)

16205.9 MKK: RAF London 1302 VFT PICC//16205.910. chan 2 in vft. idle. (Dw)

16207 DOR***: Bulgarian MFA, Sofia 1421 RTTY 75bd/500 Political NX in
Bulgarian (MC)

16213 DKAR: Fr emb Dakar 1730 ARQ6-90 200 5 fgs (Bvr) DKAR***: French E,
Dakar 0937 ARQ6-90 200bd/400 5LGs (MC)

16226.7 Unid 2057 ARQhE3 48 idle for sev. hrs (RM) (RFFXI with baud change?
-LOGS)

16244 CLP1: MFA Havana 2104 RTTY 50/425 prensaminrex to CLP55 (RM)

16245 W3S: French Emb Islamabad PAK 0700 FEC-A 192/850 w/5LG's. (ML2)

16252 TJN: French Emb Beijing CHN 0920 FEC-A 192/850 w/5LG 's. (ML2)

16255 Unid: SOUD Station,?? 0728 RTTY 100bd/500 5LGs (MC)

16256 P6Z: MFA Paris 0931 FEC-A 192/400 diplo tfc (DG)

16261.7 MFA Cairo 0930 ARQ w/unid embassy tfc (weak) (ANEE)

16261.9 Unid 2019 ARQhE3/192 idling until 2030. MFA Paris? (RM) (RFTJD
Libreville has been logged here in this mode/baud before -LOGS)

16271.7 Unid: 0552 Unid 200 sounds like vft grp. ACF=64. six peaks on code 3
(Ew)

16302 DFZG***: Serbian MFA, Belgrade 1424 RTTY 75bd/400 crypto after
"xjxxjxxj..." (MC)

16318.5 7RQ20: Algerian MFA, Algiers 1433 Coquelet-8 26.7bd Operator QSLs for
Naimey, Dakar etc embassies (MC)

16318.7 Egyptian MFA, Cairo 1127 ARQ Idle in IRS mode (MC)

16319.5 IPG20: Italian MFA, Rome 1248 ARQ 5LGs to Middle Eastern embassies.
(MC)

16339.5 IPG20: Italian MFA, Rome 1049 ARQ 5LGs to Embassies Tripoli, Tunis,
Rabat, Muscat. (MC)

16342.1 MFA Bucharest, Romania 0810 ROU- FEC 164.5/396 Tfc to Abu Dhabi. (PB)

16346.7 Egyptian MFA, Cairo 0836 ARQ ATU-80 MSGs to Embassy Rome (selcal
"KBVP") (MC) MFA Cairo, Egypt 0818 ARQ IRS mode (PB)

16355 OZB88: MFA Prague 0703 RTTY 100/400 diplo tfc (DG)

16356.8 Unid: 0732 PSK 2400bps UNID System (MC)

16386.7 Pakistani Embassy, Brussels 1356 TWINPLEX-1w 100bd/140 5LGs to MFA
Islamabad ending 'parep'. ASP32: Pakistani MFA, Islamabad 1137
TWINPLEX-In 100bd selcal "KMEU" MSGs in p/lang (MC)

16428 SNN299: Polish MFA, Warsaw 1757 POL-ARQ 100bd/250 idle with Beta and
ROs (MC)

16683.5 UYZX: Viktor Lyagin 0034 ARQ tfc for Singapore. (AB2)

16684.5 J4VE: M/V ROKOS VERGOTTIS 0300 ARQ w/tlx eta cristobal. login 16761
j4ve. (WT)

16685.5 ELE09: DSR Rostock 1905 ARQ tfc via WLO. OVTX2: Kis Sobyte 1506 ARQ
tfc for Lyngby & Copenhagen. (AB2)

16687 P3JW4: M/V Georgios P. 1550 ARQ w/tlx for noon report. (RB)

16688 I3JG: M/V Orinoco 1437 ARQ w/tlx for ETA Bocachica, login 20844 IBJG,
ex-Delmas Kourou? DSKF: M/V Tropical Sun 1551 ARQ w/log-in for
msgs. (RB)

16689.5 ZCB87: Chiquita Jean 0014 ARQ OBS msg. (AB2) 9HUO3: M/V KEMEROVO 0022
ARQ wkg kph w/ new service msg. panama to seattle. (WT)

16691.5 EQP1: M/V Iran Torab 1345 ARQ w/ETA Bandar Khomeini for crew relief.
(TD2) USPV: M/V MEKHANK ANISKIN 0135 ARQ w/tlx. login 67839 uspv.
(WT)

(AB2)

16693.5 ELGL9: Nedloyd Curacao 1943 ARQ w/AMVER/PR, ex-SeaLand Panama? (RB)

16694 ELA36: Rosina Topic 2307 ARQ ETA Portland pilot station May 21,
selcall 24487. 3FVM4: Ansac Orient 2333 ARQ AMVER msg. (AB2)

16695.5 AT5Z: M/V Ratna Vandana 1430 ARQ w/tfc for Calcutta via Singapore
Radio. (TD2)

16696.5 C6LP4: Prince of Wales 1536 ARQ AMVER/PR 51.21N/03.19W. (AB2)

DZSA: M/V Luminous Ace 1634 ARQ w/AMVER/SP from Port-au-Prince,
Haiti. (RB)

16699.5 BOHE: Teng Fei Hai 0226 ARQ tlx's for Beijing & Tianjin, selcall
19853. (AB2) C6LX6: M/V Doryforos 1602 ARQ w/tlx in unid language.
(RB)

16701.5 YLC2: TKH Akademikis Botszhars 2118 ARQ (reefer) w/crew TG's, is
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ex-UJCP. (RB)

16702 D5DI: M/V Acadia Forest 1652 ARQ (dry goods cargo ship) w/tlx to Marco Singapore re crew arrangements upon berthing Rotterdam. (RB)

16703 WFKW: M/T Overseas New Orleans 1812 ARQ U.S.product tanker, w/AMVER/PR. (RB)

16705 TCPO: Ayane 1603 ARQ tfc in Turkish. (AB2) PPUT: M/V FrotaArgentina 2014 ARQ w/tlx to Port Motauk, login 58309 PPUT.(RB)

16706 UTXP: TKH KOMPOZITOR DARGOMYZHSKIY 0834 ARQ admin fm Km Chechnyev to USU. URGA: TKH TUSHINO 0835 ARQ msg to USU. (HOOD) UTJU: Unid vsl 1830 ARQ w/tlx re vsl bound Vancouver, fol by Squamish BC, & Ishinomaki, BC, login 67974 UTJU...ID? (RB)

16707 SYKV: M/V Karoline 1000 ARQ w/routine report for entry U.S. waters (off California). (TD2)

16708 UVCD: Berezovo 2340 ARQ tfc selcall 55287. (AB2)

16711 ELRL8: Erati 1556 ARQ outbound New Orleans via SW Pass, selcall 24810 "ERAT". (AB2)

16712 9HHO3: MT APSHERON 0842 ARQ msg in EE to Kenya via SAB. (HOOD) C6JF9: M/T Trans Argo 0730 ARQ w/ETA Forcados Oil Terminal. (TD2) P3CF6: M/V AGIA THALASSINI I 1745 ARQ w/tlx, still discharging at vera cruz. (WT)

16715 TCXS: M/V MARINE EXPRESS 1443 ARQ msg from Capt Turali to FIDES Istanbul login 29105 TCXS. V2CH: M/V GRACECHURCH HARP 1237 ARQ eta for Ashdod, login 26929 V2CH. (HOOD)

16716.5 UPSQ: TK VLADIMIR KOKKINAKI 0738 ARQ msgs fm Km Savchenko to UFN. UMDL: TK KUZBASS 0828 ARQ crew TG UFN. (HOOD) UICJ: TK Pobeda 2024 ARQ w/SVC tfc for Novorossiysk Radio, login 54834 UICJ.(RB)

16717.5 VRUJ: Encourager 0337 CW clg JNA. (AB2)

16780.5 UNUO: TKH Marshal Grechko 1400 ARQ w/ETA Tarragona. (TD2)

16786.5 URJA: TKH STEPAN ARTEMENKO 1418 RTTY 50/170 psn rpt to UUI. (HOOD)

16787.5 UNMJ: BATM VALERIY DZHAPARIDZE 1558 RTTY 50/170 admin from Km Mikheev to UIW (UIW answering in Cw on 8555.5). (HOOD)

16788.5 ENQP: TK SLAVYANSK 1239 RTTY 50/170 admin from Km Mikheev to UIW. (HOOD)

16798.5 EOLE: TR TAGANROGSKIY ZALIV 1642 RTTY 50/170 admin from Km Ageev to URL. (HOOD) UBKT: ST Vosrozhdenie 1515 RTTY 50/170 wkg Kerch Radio w/crew TG's. (TD2)

16799.5 EUHG: CHUKOTSKIY BEREK 1239 RTTY 50/170 crew TGs to Vladivostok. UUZU: TKH VEGA 1237 RTTY 50/170 msg in EE to Amsterdam & relaying for UZZZ: TKH SIRIUS to UUI. (HOOD) UYYC: BATM Anatoliy Gankevich 1636 RTTY 50/170 crew TG's (SVS/MRH) to Sevastopol rdo. (RB)

16800.5 UYDV: KRTS Mor'e Sodruzhestv 1654 RTTY in 50/170 wkg for Sevastopol. (RB)

16802.5 UQTD: BKRT Nataliya Kovova 1448 RTTY in 50/170 crew TG's to Sevastopol Radio (SVS/MRH). (RB)

16803 YLFS: BATM Kapitan Jedemskis 1514 RTTY in 50/170 admin TG's to Riga using name & hull#/ID LZ-6119, also sends admin tffc for YLEK, BMRT Karlis Bude as BMRT 490 from master KMD Shcherbina and YLFR, TSM Milgravis. UWKI: TKH KARACHAROV for Km Kadubinskov. (HOOD)

16831.5 FFT: ST LYS RADIO 0839 ARQ msg in GG to DCHE: BACO LINER 1 (Sel 40059). (HOOD)

16838.5 9AR: Reyka radio 1613 ARQ tlf tfc (BVR)

16839.5 UFN: NOVOROSSISK (NOVOSHIP) RADIO 0746 ARQ msg to UERJ: TK PETR SCHMIDT for Km Kvitka from Cyprus. (HOOD)

16851.5 SAB891: Goeteborg Radio 1741 FEC mib (DG)

16917 JJC: Tokyo radio 1128 FAX 60/576 Kyodo news (BVR)

17085 USU: MARIUPOLO (AZOV SHIPPING CO) RADIO 1454 RTTY 50/170 tffc in EE to UZZT: TKH OGNAN NAYDOV for Km Kadubinskoye. (HOOD)

17134 LYK: Klaipeda Radio 1533 RTTY 50/200 nx (DG)

17141 UFN: NOVOROSSISK (NOVOSHIP) RADIO 1428 RTTY 50/170 crew TGs to 9HIJ3: T/B BREGEN (vsl is Russian crewed, Maltese regd, Monaco owned) NOVOROSSISK (NOVOSHIP) RADIO 1514 CW crew TGs to ELNX5: TK TROMSO RELIANCE. (HOOD)

17398 'TNRN' French Emb Antananarivo MDG 0740 ARQ6-90 200/400 w/SLG's to Paris (ML2)

17513 Russian Diplo, loc?? 0733 CROWD-36, in ack mode (MC)

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<th>Message Details</th>
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<td>17961.7</td>
<td>Egyptian MFA, Cairo</td>
<td>1250 ARQ ATU-80 MSGs relaying from Rome (MC)</td>
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<tr>
<td>18016.7</td>
<td>MFA Cairo</td>
<td>0900 ARQ wkg Embassy Paris til 1000 (ANEE)</td>
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<tr>
<td>18031</td>
<td>CLP</td>
<td>1435 RTTY 50/425 unid. Cuban diplo w/minrex tfc. To CW at 1444. (RM)</td>
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<td>18053.6</td>
<td>Egyptian MFA, Cairo</td>
<td>1025 ARQ 100bd/140 ATUh80 MSGs to various embassies (MC)</td>
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<td>18211.7</td>
<td>MFA Cairo</td>
<td>1315 ARQ tfc til 1400 (ANEE)</td>
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<td>18221.7</td>
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<td>ARS 0850 ARQ w/5LG's. (ML2)</td>
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<td>18242</td>
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<td>0650 RTTY 75/400 met tfc. (DW)</td>
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<td>18254</td>
<td>Egyptian MFA, Cairo</td>
<td>1025 ARQ 100bd/140 ATUh80 MSGs to various embassies (MC)</td>
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<td>18261</td>
<td>MFA Cairo</td>
<td>1315 ARQ tfc til 1400 (ANEE)</td>
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<td>18265</td>
<td>Egyptian MFA, Cairo</td>
<td>1025 ARQ 100bd/140 ATUh80 MSGs to various embassies (MC)</td>
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<td>18269</td>
<td>HBD20</td>
<td>MFA The Hague, Holland 1055 ARQ 5-letter groups; msg ended &quot;HBD20/7&quot; (JD2)</td>
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<td>18275</td>
<td>MAP Rabat</td>
<td>1307 RTTY 50/400 press in english. spurious emission? (DW)</td>
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<td>18280</td>
<td>Russian M1, loc??</td>
<td>1439 81bd/200 tfc (MC)</td>
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<td>18285</td>
<td>MAP Rabat</td>
<td>1310 RTTY 50/400 press in english - spurious emission? (DW)</td>
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<td>18294.4</td>
<td>DMK</td>
<td>0843 RS-ARQ 240bd 8 tone (ACF=59) in IRS mode (MC)</td>
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<td>18295</td>
<td>MAP Rabat</td>
<td>1312 RTTY 50/400 press in EE, spurious emission? (DW)</td>
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<td>18300</td>
<td>MFA Prague</td>
<td>1132 RTTY 100/400 diplo tfc (DG)</td>
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<td>18305</td>
<td>MAP Rabat</td>
<td>1326 RTTY 50/400 press in EE, spurious emission? (DW)</td>
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<td>18315</td>
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<td>1329 RTTY 50/400 press in EE, spurious emission? (DW)</td>
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<td>18320</td>
<td>MFA Prague</td>
<td>0705 RTTY 100/400 czech p/l ?. poor copy. (DW)</td>
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<td>18365.5</td>
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<td>Tripoli Air 1525 RTTY 50/350 testing (DG)</td>
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<td>18410.7</td>
<td>Indonesian Emb Kubal AFG</td>
<td>0850 RTTY 50/425 w/tfc to Jakarta. (ML2)</td>
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<td>18461.6</td>
<td>PCW</td>
<td>MFA Den Haag 1709 TWINPLEX 100 (F7B4) 5 fgs (BvR)</td>
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<td>18496.1</td>
<td>CNM80X11</td>
<td>MAP Rabat 1337 RTTY 50/400 english press. (DW)</td>
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<td>18503.7</td>
<td>RFFA</td>
<td>Mod Paris 1550 ARQ-E3 192/400 testing (DG)</td>
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<td>18527</td>
<td>French Embassy, N'Djamen 1015 ARQ6-90 1200bd/400 5LGs &quot;sv dipl de ndja&quot; (MC)</td>
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<tr>
<td>18597.5</td>
<td>MFA Madrid</td>
<td>0957 TWINPLEX 100 tfc on offline (10 LG's) encryption signed ministerio asuntos exteriores. tfc to beirut &amp; harare. tfc in SS p/l. (DW)</td>
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<tr>
<td>18648.5</td>
<td>SOT265B</td>
<td>PAP NX Warsaw 1405 FEC nx (DG)</td>
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<td>18667.9</td>
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<td>1316 ARQ ATU-80 to MFA Cairo (MC)</td>
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<td>PIAB Bonn 0914 FEC-A 96/400 press in german. (DW)</td>
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<td>18721.7</td>
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<td>1330 ARQ African embassies net (ANEE)</td>
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<td>18746.5</td>
<td>DUTCH EMB?</td>
<td>0931 TWINPLEX 100 -255/-85/255. f7b-4. in irs mode (DW)</td>
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<td>18751.7</td>
<td>Egyptian MFA, Cairo</td>
<td>1018 ARQ Idle in IRS mode (MC)</td>
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<td>18800</td>
<td>MFA Phillipines</td>
<td>0530 FEC EE nx items (EW)</td>
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<td>18904</td>
<td>MFA Bratislava?</td>
<td>0900 IRA-ARQ 300.3 idle (ANEE)</td>
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<td>18993.5</td>
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<td>Warsaw Radio, Poland 1301 FEC Traffic list &quot;tfc lista&quot; (MC)</td>
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<td>Mod Paris 1543 ARQ-E3 192/400 idling (DG)</td>
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<td>19060.5</td>
<td>Unid</td>
<td>1507 RTTY 75/350 unid. weak sig poor copy (RM)</td>
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<td>19087.9</td>
<td>MFA Oslo</td>
<td>0830 TWINPLEX 100 w/tfc to European locs til 1300 (ANEE)</td>
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<td>19141.3</td>
<td>7RX70</td>
<td>Algerian Embassy, Naimey 1454 Coquelet-8 26.7bd MSGs to MFA in FF header &quot;vci off naimey&quot; (MC)</td>
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<td>19171.1</td>
<td>CNM85X11</td>
<td>MAP NX Rabat 1402 RTTY 50/500 nx (DG)</td>
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<td>19178.3</td>
<td>CNM85/X11</td>
<td>MAP News, Rabat 1021 RTTY 50bd/400 NX in FF (MC)</td>
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<td>19183.1</td>
<td>MFA Stockholm</td>
<td>0830 SWED-ARQ 100 tfc w/Embassy Pretoria, admin msgs. (ANEE)</td>
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<td>20450.3</td>
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<td>MFA Havana, Cuba 1538 RTTY in 50/225 Minrex tfc to Nigeria, at 1548 w/Embcuba Nigeria economics nx. (RB)</td>
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<td>20730</td>
<td>UNHCR</td>
<td>Geneva 0947 PACTOR 200/200 tfc (DG)</td>
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2182 Mv Saint Luck 1742 USB clg Humber r qsy Sierra. GGNV: Mv Arco Avon 1748 USB clg Humber radio qsy chnl Romeo. Clyde cg 0418 USB clg Stonoway cg for radiocheck. (BVR)


2311 Arklow Shipping Net 2325 USB quite active right round the clock, at 2325Z the "Arklow Brook" is clg the "Asgard", I think the "Asgard" is a training sailing ship. The Arklow Brook would be a coaster/freighter. (ANUK)

2614 DAN: Norddeich Radio, Germany 2022 USB Wx forecast in GG. (PB)

3730 LYL: KLAIPEDA FISHERIES RADIO 2116 CW w/ID & QSX 8346.5/12423.5/6292.5/2516. (HOOD)

4149 WPE: Tug Communications, 0517 USB Jacksonville, Fl, wkg tug Ranger for posn report. (RB)

4249.5 WLU: Mobile Al 1325 CW de wlo obs amvers qsx. (RT2)

4294 WNW31: Slidell, La 1329 CW w/qsx 4/6/8/12/16/22 amvers, obs. (RT2)

5225 OM w/New Zealand accent 0925 USB pp talking about yachting (AW)

6215 ZLM: Taupo radio relaying a MAYDAY call for the German vessel "Taurus". Last seen at 34S and 174E (AW)

6331.1 UDB2: Krasnovodsk 1010 CW CQ (EW)

6380 UCW4/RFJF: ST PETERSBURG RADIO (N.W SHIPPING CO) 0810 CW tfc list and QSW 4223/6380/805/12765. Same at 1732 CW msg for following:- UNOX: TKH LADOGA 9, UHPP TKH LADOGA 107, USUF: TKH SORMOVSKIY 3057, UAPT TKH VOLGOBALT 187 (this one is ex UNKH). all these are sea-river cargo vessels. (HOOD)

6415 7TF4: Boufarik Radio 0651 CW CQ mkr. (DW2)

6432 UA13: Nakhodka 1130 CW CQ (EW)

6490 UJE: NIZHNIY NOVGOROD RADIO 0720 CW tfc list and QSW 4223/6380/805/12765. Same at 1732 CW msg for following:- UNOX: TKH LADOGA 9, UHPP TKH LADOGA 107, USUF: TKH SORMOVSKIY 3057, UAPT TKH VOLGOBALT 187 (this one is ex UNKH). all these are sea-river cargo vessels. (HOOD)

6516 Auckland Cruising Club: 0637 USB yacht club stn receiving various posn reports & chit-chat. (RW)

8034 Fisherman 1720 USB NJ accented fishermen w/illegal chat, give posn by referencing known phone numbers. (RB)

8110 Unid yachts 1145 USB chatting about what regattas they'd attended and will attend (TB)

8120 Unid boats 1201 USB w/heavy Caribbean accents w/EE comms (TB)

8190 WBQ4700: S/P Pywacket 0033 USB wkg ? vsl. small talk (CM)

8207 C6LW2: M/S Regal Empress 2346 USB Royal Caribbean Cruise Lines, 23,000 DWT cruiseship, clg/wkg WOM for R/T tfc. VRUE8: Tai Yuen 9242 USB wkg KMI (on 8728) for R/T tfc. (RB)

8222 Canberra control 0923 USB w/radio check to "Mike Echo Kilo" Also wkg w/HHMAS Trevally. Later Darwin wkg Launceston (Tasmania) ct1. til 0942 (AW)

8240 J8NY: Unid 0628 USB clg NMN. No joy (DW2)

8294 M/V Gladiator: 0525 USB wkg ? San Juan with wx and posn rpt. (c/s is WBN5982 & was probably wkg WPE -LOGS) WHU959: North Atlantic Enterprises, Kennebunk, ME 0256 USB clg S/V Sea Quest. no joy. WHU959: North Atlantic Enterprises 0100 USB wkg S/V Norma Jean w/pp. WBN3011: 0133 USB wkg Jacksonville Pilot Station. Checking tfc. (CM) (the tug 'Pilot' -LOGS)

8346.5 LYHA: BMRT D2UKIJA 0750 CW admin to LYL KLAIPEDA (Fisheries Radio). (HOOD)

8358 ELPY7: M/V HUA CHANG 1046 CW psn rpt to Shanghai via PCH. (HOOD)

8373 YQGB: M/V TULCEA 0718 CW msg to East Charterers for eta Braila. (HOOD)

8444.5 KFS: San Francisco 1113 CW CQ (EW)

8470 XFL Mazatlan Radio, MEX 0448 CW w/CQ marker (RB)

8472 WLO Mobile Marine Radio 0446 CW w/CQ, QSX marker. (RB)

8492 PPR Rio de Janeiro Radio 0450 CW Brazil, w/QSX marker. (RB)

8496 CLA: Havana Radio 0548 CW CQ mkr.(DW2) CLA: Havana R 1109 CW. CQ/QSX/QSW mkr (RM)

8505 UFZ: Vladivostok 1138 CW CQ (EW)

8515 SAT: Tripoli Radio 0550 CW CQ mkr.(DW2)
8516  GKC4: Portishead Radio 1949 CW (DG)
8522.5 FFL2/4/6: Saint Lyons R France CW (St Lys Radio - LOGS) (RT2)
8530  SVA4: Athens Radio 0900 FAX 120/576 wx chrt, very poor (BVR)
8532  LZW42 Varuna Radio, BUL 0300 CW w/traffic list marker. (RB)
8534  WLO: Mobile A1 CW AMVER qsx 4/6/12/16/22MHz (RT2)
8550  UFL: Vladivostok Radio 0557 Navigational Warnings in CW.
8558.5 KFS: Palo Alto Radio, Ca, US 0455 CW w/wx. (RB)
8567  UGC: St. Petersburg Radio 1934 CW CQ (DG)
8570  SVA31 Slidell Radio, La, US 0456 CW w/tfc list. (RB)
8573  CLA: Havana R 1650 CW. CQ/QSW mkr (RM)
8574  LG(W/X/B...): Rogaland Radio 0607 CW CQ mkr. (DW2)
8574.5 CLA: Havana R 1655 CW. CQ/QSW mkr (RM)
8575  UGC: St. Petersburg Radio 1934 CW CQ (DG)
8578  HPP: Panama Intelmart Radio, PAN 0500 CW w/QSX marker. (RB)
8589  OXZ4: Lyngby Radio 0201 CW CQ channel marker. (DW2)
8595  HPP: Panama Intelmart Radio, PAN 0500 CW w/QSX marker. (RB)
8607  HPP: Panama Intelmar Radio, PAN 0500 CW w/QSX marker. (RB)
8620  USU: Mariupol Radio 1921 CW CQ (DG)
8635  UTQ: Kiev Radio 1805 CW CQ (DG) UTQ7: KIEV RADIO 1805 CW msg to EMMO: S/S SAPFIR (salvage tug, ex UGWL) being relayed for UYUI: TKH BELA KUN (From Radio Officer Murachkin). (HOOD)
8642  KPH: San Francisco R, Ca, US 0515 CW w/wx. (RB)
8655  ZSC: 0616 CW h CQ marker (AM2)
8656  PJC: Willemst Radio 0642 CW CQ mkr. (DW2) (correct name is suppose to be Curraco Radio -LOGS)
8673  KFS: Palo Alto Radio, Ca, US 0505 CW w/tfc list. (RB)
8680  USU: Mariupol Radio 1921 CW CQ (DG)
8682  PCH41: Scheveningen Radio 1856 CW CQ (DG)
8689  IAR: Rome Radio, Italy 0435 CW w/V marker. (RB)
8690  JF3: Shanghi Radio 1800 CW CQ (DG)
8690  EAD3: Madrid Radio 0639 CW chmkr. (DW2)
8690  EAD3: Madrid Radio, Spain 0518 CW w/QSX marker. (RB)
8690  ZSC: 0616 CW - Q marker (AM2)
8694  PJC: Willemst Radio 0642 CW CQ mkr. (DW2) (correct name is suppose to be Curraco Radio - LOGS)
8699  7TF6: Boufarik Radio, ALG 0519 CW w/CQ, QSK marker. (RB)
8700  9AR: Rijeka Radio 2146 CW CQ (DG)
8704  SVB4: Athens Coastal Radio 2142 CW CQ (DG)
8705.5 UGW: Novorossiysk Radio 2139 CW CQ (DG)
8734  KMI: AT&T Coast Station, Point Reyes, Ca, US 0407 USB wkg vsl Mister B for R/T tcf. (RB)
12254  GMPW Haenam 502 2217 USB clg/wkg WOM for R/T tcf to S. Korea. (RB)
12353  HBO03435 M/V Navigator 1709 ARQ Crowley Maritime tug wkg unid, poss WPE, re part needed for repair. (RB)
12447  UFTC: TKH SORMOVSKIY 6 1808 CW msg to UB03 Petrozavodsk Radio. (HOOD)
12626.5 UON: BAKU (CASPION SHIPPING CO) RADIO 1013 CW tcf to 4JBZ: TKH MAHMUD RAGIMOV. (HOOD)
12660.5 UGW: NOVOROSSIIYSK FISHERIES RADIO 1510 CW tcf list and QSW 12660.5/1698. (RB)
12662  7TF8: Boufarik Radio 1804 CW marker "cq de 7tf8 qsx 12mhz 12551/12552/12553, 15khz tksk" (DW)
12671.5 YLQ: RIGA RADIO 0720 CW tcf, ID on sign-off. (HOOD)
12687  OFJ32: Helsinki Radio, Finland 1328 CW w/OFJ qsx (PB)
12698  ZSC: Capetown Radio 0704 CW CQ (EW)
12704.5 WLO: Mobile Radio 2317 CW CQ (DG)
12711  USU: MARIUPOL RADIO (AZOV SHIPPING CO) 1217 CW tcf for 9HBY4: MV DUBAI GLORY. (HOOD)
12730  UHS: MURMANSK RADIO 1300 CW tcf list for UHY/UHS with QSW/QSX 452.5/468, 8690/8367, 12730/12551. (HOOD)
12735  URL: SEVASTOPOL FISHERIES RADIO 1827 CW tcf for UWFY: TN TARKHANKUT & UYKIP: TR IVAN PRIBILSKY (ex UNOG). (HOOD)
12736.5 TAH: Istanbul Radio 2053 CW CQ (DG)
12771  UHP5: ST PETERSBURG RADIO 1207 CW msg to V3RE7:T/H LIDIYA. This station appears to operate for sea/river vsls, mostly owned by NEVA RIVER SHIPPING and by ENNEK (HOOD)
12856  XSG: Shanghai Radio, CHN 1318 CW w/cq de XSG (PB)
12940  LZW53: Varuna Radio 1713 CW CQ (DG)
12965  US05: IZMAIL RADIO (UKRAINIAN DANUBE SHIPPING CO) 0656 CW tcf for Km Piskunov of TKH TATARBUNARY (UZAR). (HOOD)

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12973 UIW: KALININGRAD RADIO 1310 CW tfc to YLGD: RONU SALU. (HOOD)
13011 IAR: Rome Radio 2031 CW CQ (DG)
13023.5 D3E62: Luanda Radio 1637 CW CQ (DG)
13083 KMI: AT&T Coast Station, Point Reyes, Ca, US 0437 USB concluding R/T tfc w/vsl WAQ7819. (RB)
13161 KMI: AT&T Coast Station, Point Reyes, Ca, US 0141 USB concluding R/T tfc w/vsl SZS946. & wkg vsl Destineway, WBA7038. (RB)
16675 DSAE4: Venus 2341 CW AMVER/PR 07.56N/160.52W. (AB2)
16914.5 CBV: Valparaiso Radio 1455 CW marker "vvv de cbv qsx 8 12 16 and 22 mhz". (DW)
16916.5 WSC: Tuckerton Radio 1500 CW marker "cq de wsc qsx 6 8 12 16 22 mhz obs? amver? k". (DW)
16932 7TF10: Boufarik Radio 1511 CW marker "cq de 7tf10 qsx 16mhz 16735/161735.5/16736/16738 khz tsks". (DW)
16933.2 GCC: Chatham Radio 1515 CW marker "vvv de gcc qsx 4 6 8 12 16 22 mhz de wcc". (DW)
17013 5BA: Nicosia Radio 1548 CW marker "cq de 5ba on 8623/17013 khz qtc nil qru? qsx 8/16 mhz common channels de 5ba". (DW)
17021.6 TAH: Istanbul Radio 1552 CW marker "cq de tah qsx 4 8 12 and 16 mhz ch 3/4/8 k". (DW)
17064.8 EDZ6: Madrid Radio 1559 CW marker "vvv de ead tfc list as" then "cq de ead =s/ga= traffic on hand 051600 utc = then tfc list = next tfc list will be at 1800 utc= now qsx on 8 12 16 22 mhz cg ar k" then marker. (DW)
17105 IRM: Cirm Rome 1748 CW marker "vvv irm free radio medical service & amver service on 8/16 mhz common k". (DW)
17113 GKB6: Portishead Radio 1752 CW marker "de gkb 2 3". (DW)
17141 NOVOROSSIYSK (NOVOSHIP) RADIO 1514 CW crew TGs to ELNX5: TK TROMSO RELIANCE. (HOOD)

=MILITARY=
18.1 RDL: 1340 CW "RDL RDL RDL <5FG's> K", alternating w/encrypted RTTY. (KB) (Russian Navy, Smolensk -LOGS)
18.2 VTX3: 1140 CW "VVV VVV VVV VTX3 VTX3" (KB) (unid Indian Navy station -LOGS)
21.1 RDL: 0935 CW "RDL RDL RDL <5FG's> K", same as 18.1 (KB) (Russian Navy, Smolensk -LOGS)
2334.5 Link 11 Net 1 0500 USB w/TANFO, INDIA, IP, others, some w/British accents relaying track ID's in Link-11 coordination net probably related to U.S./British Combined Joint Task Force Exercise 96/ Exercise Purple Star 96 due to British voices hrd. (RB)
2799.5 FDG: FAF Bordeaux, F 2102 CW 15.7 wpm w/vvv de FDG ar (PB)
3032 Unid 0531 strong data pulses on freq, but no voice id's. At 0533z, NIGHTWATCH 01 (female opr) clg PALACIAL w/no response (although there was a very weak station heard here on freq a half a minute later). (JH) NIGHTWATCH 01 0532 USB w/EAM, then clg/wkg ANDYGUMP on "W100", who was ok on the current "traffic". (RB)
3113 UNAMIOUS 0622 USB clg & raising a weak NIGHTWATCH 01. (JH)
3134 UNAMIOUS 0611 USB trying to work NIGHTWATCH 01. (JH)
3295 NIGHTWATCH 01 (female opr) 0450 USB wkg WAR46. UNAMIOUS 0613 USB trying to work NIGHTWATCH 01. (JH)
4035 AAAAAIL Army MARS, Dist.5 0131 USB as NCS, closing an Army MARS net. (RB)
4134 PAUX: HRMS Abraham Crijnssen 0508 USB (F-816) Royal Netherlands Navy 'Kortenaer'-class frigate, wkg WMN, USCG CAMSLANT Chesapeake, re RTTY t'f'c coordination. (RB)
4154.5 ICT: Taranto Naval, Italy 1800 USB working ships on the same frequency. (J02) DRDR: FGS U-24 (S-173) 0055 USB clg/wkg DHJ59, Wilhelmshaven Naval, w/QSL for traffic sent. DRHL: FGS Rhein (A-513) 0131 USB clg/wkg DHJ59 re has RTTY t'f'c to send. (RB)
4372 78M 0022 USB clg Giant Killer, no joy. (KS) GIANT KILLER: USN FACS FAC Va Capes 2108 USB clg 1XD, 1XD clg GK, no joy either, 1XD clg "any sta this net". (RB)
4443.5 Firefighters?: Tango 34, 51, & Site 10, 90 discussing approaching fire. "Big Lake" fire in Houston Alaska? (JJ) Alaskan fire comms or
WUNhv02

mil? 1500 USB Words of "hill", Hummer leaking, water site... But then again they mention, "counterparts", "radio to radio". I haven't heard them mention fire yet. Some comms come in clear, others are in the mud. Comms from Sierra 80, Sierra 90, Sierra 10, & Juliet 88. (PP) (seems to be military, poss Nat'l Guard? -LOGS)

4468 Red Star stations 0149 USB CAP net???. (KW2) (Yes, Georgia CAP Wing -LOGS)

4472 CENTURION 1 1655 USB wkg Architect, req signal check. (Sw2)

4495 UNAMIOUS 0608 USB w/26-character EAM (URXHWS...). UNAMIOUS then tried to work NIGHTWATCH 01 to see if he receive the traffic ok. At 0640z, UNAMIOUS clg NIGHTWATCH 01, after UNAMIOUS had rebroadcast the above EAM. Nothing heard. (JH)

4500 USAF MARS 0108 USB rgn 2 net (RM)

4517 USAF MARS 0109 USB rgn 3 net (RM)

4715 RAF VOLMET: 0139 USB aviation wx (good barometer of propagation). (KW2)

4721 HLG (female opr) 0643 USB wkg OKIE SAM (female opr) re something "enrt to NGU." It involved "601; 602; 605; and 608." (JH)

4742 IFN58 1652 USB wkg Architect, requested the actual at LQSA. (Sw2)

4745 1655 USB wkg Architect, req signal check. (Sw2)

5144.5 DZW: Unid Dutch mil 1742 USB abt rtty setup (BVR)

5320 NOQ: USCG Group Mobile, AL 0532 USB wkg Z1Z re station Venice (La) having their UTP at South pass at 0930. (RB)

5680 CG RESCUE MU: 1415 USB clg Kinloss resqu (BVR) Kinloss Rescue: RAF Kinloss, Scotland 0448 USB wkg Rescue 137, RAF Sea King helo from 202 sqd. (RB) RESCUE 169 1830 USB wkg Plymouth Rescue going to London Dulwich hospital ETA 2030 Local. SRG 128 2054 USB wkg Plymouth Rescue for a ground signal check. (Sw2)

5690 Irish Military SSB Net 1858 USB Stations EIYX, C253 & OA. EIYX will maintain a listening watch. (ANUK)

5969 CG 2107: HU-25A, 0500z, wkg CAMSLANT. CG 1704: HC-130H, 0501, wkg HONOLULU COMSTA. rpt'd posn as 8 miles south of Barbers Point CGAS. CG 2126: 0325 USB HU-25A wkg CAMSLANT Chesapeake VA. (Sw2) CAMSLANT 1245 USB wkg H6Z, request QSY to 3E4 in green. Stations returned to 5696 shortly thereafter, advising heavy RTTY QRM on 3E4. A check of 6234.5 here confirmed presence of RTTY signal. So, more evidence suggesting 3E4 = 6234.5. Then QSYd to odd 9889 instead (no channel designator mentioned for this one), both stations heard well there in "green" and "red" modes. (DC2) CG 6002: 0237 USB HH-60J clg CAMSLANT Chesapeake VA. No joy. CG 6017: 0658 USB HH-60J wkg CAMSLANT Chesapeake. Helo enrt homeplate. (Sw2) Rescue 1503: 0112 USB wkg CAMSLANT Chesapeake. Flying over a vessel in distress. Rescue 1503 spotted two survivor rafts & also stated they were flying on three engines. (Sw3) CG Rescue 1503: 1420 USB wkg CAMSLANT Flt ops normal. Rescue 1504: 2339 USB wkg CAMSLANT Chesapeake pp B3 cmd center regarding possible evac of vessel via helo or find closest ship to vessel. (VSL USCGV) w/posn report to USCGV 0159nnr, once w/kg rescued vessel, patching them through to Camslant. Rescue 1712 was in contact with a ship in distress & req the vsl to help out. USCG ship was enrt but would take up to 2 hours to get there. (LB2) CG 2107 2031 USB reporting flight ops normal to CAMSLANT CHESAPEAKE. CAMSLANT CHESAPEAKE 2034 USB conducting a radio check w/CAM Rescue 6002 (MF2) Rescue 1712: 0145 USB (C-130) w/kg CAMSLANT & GANTSEC (CG San Juan) re sailing vessel in trouble. MV Jacksonville also on freq since it was going to assistance of SV. USCGC Courageous enrt, will arrive in 12 hours. All sigs very strong esp. San Juan. Rescue 1501: 0106 USB w/posn report to CAMSLANT 0113-6010 w/posn report to Camslant 0114-6001 w/posn report to Comsec-Boston 0115-Helo 6002 w/posn report to Comsec Boston. Comsec had diff reading 6002. (MR2) CG 6038 HH-60 Jayhawk helo 0245 USB wkg NMN re securing their radio guard, are on final to AirSta Clearwater. RESCUE 6035 USCG HH-60J 0431 USB wkg NMN re pp/Miami Op's, the 35 is looking for a activated EPIRB & was req to do a 10 mile "Victor Sierra" (visual search) & att to locate vsls in the area to ck their equipment, then RTB. RESCUE 6005 USCG HH-60J 0441 USB w/kg CAMSPAC re being diverted to 8547N/12147W for an EPIRB activation that came in from Group Monterey, also contact Group San Francisco on "Uniform" (UHF). AGAR 94 512th Tw, Edwards AFB 0546 USB Ca w/kg NMC, CAMSPAC Point Reyes w/numerous rdo ck's. NM0: USCG CommSta Honolulu 0556 USB w/kg CG 1704 (HC-130H) w/rdo ck. RESCUE 1504
USCG HC-130 1402 USB w/kg NMN, CAMSLANT Chesapeake w/pp D-5 Command who adv Group Fort Macon is diverting USCGC Aquidneck (WPB-1337) to the search area w/ETA of 1300 local, 1504 also passes info obtained from vsl in area of radio transmission hrd, unid SAR. NOM: USCG Air Sta Miami, FL 1621 USB w/kg CG 2139 (HU-25A "Guardian") W/maintenance items & request for chow from the galley upon arrival. (RB) USCG Rescue 2126 USB w/pp to District One Command center via Camslant Chesapeake ref flares sighted. (SF) CG RESCUE 6014 & RESCUE 6031 2000 USB w/kg CAMSLANT Chesapeake. A/c were involved in SAROPS for ValuJet flight 592 crash near KMIA. (TT) 5700 NIGHTWATCH 01 0155 USB up w/WAR46 among others (JC5) NIGHTWATCH 01 0642 USB w/kg LEGISLATE. RARENESS 1159 USB w/kg NIGHTWATCH 01. WAR46 0430 USB clg NIGHTWATCH 01, w/no response. WAR46 0058 USB w/kg NIGHTWATCH 01. NIGHTWATCH 01 0146 USB w/26-character EAM string, taken from the 26-character string of the 0133/44z 20/20/26 character EAM set on the GHFS. NIGHTWATCH 01 apparently mangled the static characters of the preamble (TWO ROMEO instead of UNIFORM ROMEO), without correction. At 0155z, WAR46 w/kg NIGHTWATCH 01. UNAMOUS 0621 USB clg NIGHTWATCH 01, w/nothing heard. (JH) 5705 NOONTIME 1123 USB w/kg NIGHTTIME 01 on self-id'd Z-145 (Z-190 secondary, and unknown). NOONTIME enters the net. A station id'ing as NOONTIME had exited the net at 0131z. At 1239z, the freq lit up w/26-character EAM, trailing the GHFS xmsn of same. At 1240z, BROWBEAT calls NIGHTWATCH 01 "on ZULU 145", followed immediately by NOONTIME clg NIGHTWATCH 01 "on ZULU 145." I suspect that BROWBEAT was NOONTIME misid'ing himself, as there was no BROWBEAT in the net earlier or later than this time. At 1327z, the net moved to ZULU-205 (unk). (JH) 5717 NF456: 0210 USB w/kg Vancouver Military no joy with gnd party. 0213 Smakka 326 w/kg Vancouver rdo ck weak/readable Rescue 301: w/kg Vancouver s/by for Halifax. Rescue 456 w/kg Vancouver stdby for pp. Vancouver called Rescue 301 w/selcal no joy. Rescue 456 pp Rescue center 316 to do rescue. (KW2) 5800 WAR46 0451 USB clg/kg NIGHTWATCH 01. At 0535z, PALACIAL w/kg NIGHTWATCH 01 (unheard here.) THEOLOGY 0127 USB calls & works NIGHTWATCH 01. (JH) THEOLOGY 0126 USB w/kg NW QSY S 307. (MJ) 5942 RMP: Kaliningrad Naval, Russia 1655 CW working ship RBGE (JD2) 6501 NMN: USCG CAMSLANT Chesapeake, Va, US 0037 USB w/kg USCGC Venturous (WMEC-625) re relaying message. (RB) 6683 SMA 376 0353 USB w/kg ANDREWS for wx... SAM 376 not readable w/ good sig from ANDREWS.... female operator heard on freq...LAJES? (JC5) Andrews 0214 USB clg Executive 1 Foxtrot for signal check...no reply heard. (MJ) EXECUTIVE 1 FOXTROT: 1610 USB w/kg Andrews, EIF told Andy they were shutting down and would be back up at 230z & would use this freq as primary and F64 secondary. (MK) Navy 496 0102 USB w/kg Andrews VQ-496, rdo ck, bound Chicago/JFK, also gets pre-flight freqs for next leg of flight following day, probably BUNO 150496, CINCLANT'S VP-3. (RB) 6693 Unid 0445 USB Two stations, one male opr & one female opr, w/mil voice comms. Heavily qrmed by telco "whale" artifact one to two khz up freq. Probable USN activity. (JH) 6712 ANDREWS 0630 USB w/a 26-character EAM (UR2PRF..) & a 20-character EAM (UR2YAU...) at ANDREWS' post 0600z h+30 "repeat" EAM xmsn time. (JH) SPAR 66: 1520 USB preflight check. COTAM 3962: 1525 USB Toulouse-Orleans. COTAM 3956: 1610 USB to Orleans. COTAM 3136: 1620 USB Toulouse-Villacoublay. COTAM 3766: 1630 USB Toulouse-Orleans. COTAM 3969: 1640 USB Toulouse-Orleans. COTAM 3503: 1520 USB Hyeres-Landivisiau.75 pax. COTAM 3079: 1235 USB Cazaux-Evreux. COTAM 3515: 1400 USB Orange-Venice.R.O.N. COTAM 3500: 1415 USB Istres-Solenzara, 87 pax, R.O.N. NATO 35A: 1415 USB calling Croughton, to Aviano. COTAM 3960: 1510 USB to Mont-de-Marsan, R.O.N. FAF 3710: 1500 USB to Evreux (JP2) Navy Flt 0511: 0256 USB w/kg Andrews will maintain this freq. (KW2) 6719.4 HABITAT 0344 USB w/kg R1B, then B2D w/kg L8X. (JH) L6R 0030 USB reporting to HABITAT, "ops normal for L6R and B2D." (JJ) HABITAT: NAS Moffett Field, Ca or now Whidbey Island, WA? 0523 USB w/kg Navy Line Maintenance re a Papa Uniform (Participating Unit) in the alligator (Link-11 net). (RB)
RARENESS 1159 USB wkg NIGHTWATCH 01. ANDREWS 0459 USB wkg NIGHTWATCH 01 in voice & data. NIGHTWATCH net activity at 2102z. At 2303z, MILEPOST wkg NIGHTWATCH 01 and exiting the net. At 2331z, ANDREWS is up wkg a station that id's as "496" to ANDREWS, but as NAVY 511 during his pp's. At 2350z, NIGHTWATCH 01 up w/20hcharacter EAM. NIGHTWATCH 01 0037 USB (USN trained) wkg PITSTOP. At 0234z, ANDYGUMP (w/an opr that did not use common netspeak in his comms) wkg NIGHTWATCH 01, telling NW01 that he would be out of the net until further notice. At 0346z, the freq was qrm'd by strong comms on 6728, but no id caught, & it was not repeated. Suspected MYSTIC STAR activity of ANDREWS. THEOLOGY 0123 USB wkg NIGHTWATCH 01. BAKESHOP 1719 USB simulcasting URAW74.... EAM on 6730 & at least 11244. (JH) THEOLOGY 0123 wkg NIGHTWATCH w/radio check QSY W101. (MJ) F4Y 0253 USB wkg SIDECAR, who wanted to know what crypto F4Y was using -(-247). (JH) Yokota, Hickham, and Anderson ABS w/Skyking messages in that order. (AW) USAF Andrews AFA3 2320 USB wkg a Reach flt. to KHOP. (HW) ARCHITECT 0400 USB w/RAF Base wx ann into LI w/ good signal. (JC5) HONEYBEE 0453 USB clg MAINSAIL, & raising HICKAM; looking for NIGHTWATCH wkg freqs. ELMENDORF 0340 USB w/an h+40 "repeat" EAM xmsn. GHSF 1230 USB w/40+/h character EAM: QMBOU4. At 1329z, SAM 203 wkg ALBROOK. SINGRAY 12 0328 USB wkg MACDILL w/pp to commercial number id'd as HOWARD AFB. "Back up on COTHEN in 15 minutes." Also mention of "SUNFLOWER." Suspected mil counter-narc related. (probably STINGRAY 12, DEA a/c see 11175 -LOGS) MCCLELLAN 0510 USB, as lead GHSF station, w/6(677QKS)/20/26 character EAM set over a 10 minute period. Rare. MCCLELLAN 0432 USB, as lead GHSF station, w/two EAM strings, having trouble completing the set because he had to stop & start over for two FOXTROT broadcasts prefaced with ENLIST. Finally completed set at 0440z. These two strings were picked up by ELMENDORF for their h+21/h+40 "repeat" EAM bcsts. PALACIAL 0527 USB wkg MACDILL w/pp to NIGHTWATCH 01 (female opr), advising NW01 that he had tried W105 and X209 with no luck. NW01 advised x904, W100, & W101. ELMENDORF 0440 USB at their h+40 "repeat" EAM time w/26-character EAM taken from 0432z GHSF rotation of same. MCCLELLAN 1140 USB as lead GHSF station, w/20/20/26 character EAM "FOR TACAMO CENT PRIMARY." ELMENDORF 0540 USB w/26-character EAM string taken from 0528z GHSF broadcast of same. OFFUTT 0523 USB, as lead GHSF station, w/20/20/26 character EAM set over a 10 minute period. At 0540z, ELMENDORF was up w/the 26-character string from the 0523/33z 20/20/26 character EAM set; and at 0548z, HICKAM was up w/the same 26-character string. OFFUTT 0338 USB, as lead GHSF station, w/20/20/26 character EAM "FOR TACAMO PAC PRIMARY." All these abncp-type "For.." strings in May have been hitting a h+40+/h transmission window. OFFUTT 1218 USB, as lead GHSF station, w/a 78-character EAM (ST3021 FAMOUS 0617 USB freq) for NIGHTWATCH 01. At 0638z, UNAMIOUS is broadcasting (repeating) the 26-character EAM he first broadcast at 0608z on 4495.0. No simulcast freqs found. OFFUTT 0338 USB as lead GHSF station, w/20/20/26 character EAM string "FOR TACAMO LANT PRIMARY." At 0442z, OFFUTT as lead station w/a 20/20/26 character EAM set over a 10-minute period (for the GHSF), & 15 minute period for the OFFUTT xmsn. ELMENDORF 0521 USB at their h+21 "repeat" EAM time, w/20/26-character EAM taken from OFFUTT's 0453z transmission of same. NIGHTWATCH 01 1203 USB clg MCCLELLAN for a radio check. Nothing heard. EXECUTIVE ONE FOXTROT 0603 USB raises ELMENDORF & req that ELMENDORF contact ANDREWS VIP & get ANDY's wkg freq(s) for EIF. ELMENDORF opr did not recognize the exact nature of the request, & did not recognize the callsign, req a phonetic spelling of same. EIF opr did so, including the OSCAR NOVEMBER ECHO part. It took a moment or two for the ELMENDORF opr to understand who he was talking to and what they wanted (presumed supervisor intervention during a long silent period.) wkg freq 649. PUMPSHED 0518 USB w/26-character EAM, leading the GHSF xmsn of same. No simulcast freq(s) found. PUMPSHED back up on freq shortly after this xmsn with another EAM string. TICKTACK (sounds like) 0407 USB wkg LAJES w/pp to OPCON, where he passed an 'immediate' message consisting of multiple 3-element groups, and after the completion of the patch asked LAJES for NIGHTWATCH wkg freqs. Given S310/S314, very
high for this time of the local night. TICKTACK was back up at 0420z clg MAINSAIL, with no response. No signal was heard on either designator. HICKAM 0516 USB w/all frequency request for PAT 139.

GHFS 0938 USB w/a 20-character EAM "FOR TACAMO CENT PRIMARY." There is an indication that the GHFS stations will hit an every 8-hour xmsn window for these things at 1938z/0338z/1138z; and, there is a weaker indication that they will sometimes hit a xmsn time 2 hours prior to the above times instead on some days. NARRATION 0343 USB clg MAINSAIL. Raises LAJES at 0350z, and gets wkg freqs for NIGHTWATCH 01: ZULU 125/ZULU 150 (not found). (JH) Offutt: 0133 USB EAM's URJZST wkg UR2ASX //8968 //11175. MacDill: 0138 USB EAM's (same as Offutt). Incirlik: 0139 USB EAM's -overpowered by MacDill but picked up end of transmission. Albrook: 0222 USB EAM/Sky king msg Xray 7 Oscar. REACH 0037: 0234 USB wkg LAjes pp HILDA EAST (KW2) TOP SONG: 2335 USB (STRATCOM Command Center, Offutt AFB) w/a communications test, simop'ing several GHFS transmit sites. (TT)

6754 Canadian AF with VOLMET tx. 2325 USB No ID heard, lots of wx! (HW)

6761 TURBO 53 0227 USB clg SIERRA 38 a number of times w/no response. TIGER 34 clg TURBO 54. TIGER 34 then worked TURBO 53 re 54 and was told TURBO 54 was on the runway and ready to roll. At 0230z+, AIRFORCE ONE works ANDREWS w/pp's. Departed at 0228z, and eta 0415z.


6818 F20 1235 USB wkg F10B sending a message in RTTY...after the msg was done F10B replied that the vehicle belongs to ____ Squadron and that he should bring it right over. An obviously annoyed F20 told 10B to watch his COMSEC & use callsigns not names. Both units had Scottish accents. (TB)

6912.5 AAZ: ARIZONIA LSB/USB 0030 is currently active Id'ing as "Military Station" w/similar traffic. He's requesting CQs on 7255.0 LSB. (JJ)

6936 RMP: Kaliningrad Naval, Russia 1600 CW Plain language wx forecast in Russian to REO (JD2)

6986.5 NMN CAMSLANT Chesapeake 1656 CW clg CQ on Armed Forces Day 96, listening on 7050; at 1657 wkg AE1T fol by K3DI?. (RB)

7000 ANDREWS 0529 USB wkg NIGHTWATCH 01 in voice & data. ANDREWS 0314 USB wkg AIRFORCE ONE; 0328z, AIRFORCE ONE w/pp to AFOC via CROWN w/ arrival notice at ANDREWS. (JH) Andrews 0218 USB clg DHJ 59. Andrews w/pp to AFOC. Andrews departed St. Louis, MO at 0220, eta KADW 0330z. (MJ)

7030 THEOLOGY 0129 USB wkg NIGHTWATCH 01. NIGHTWATCH 01 asked THEOLOGY if he wanted to check into the net, and THEOLOGY said no. (JH) THEOLOGY 0128 USB clg NW. (MJ)

7061.5 WAR: Fort Detrick MD 1945 LSB Armed Forces Day station (AM2)

7065.5 NAV HQ Navy-Marine Corps 2238 CW MAR'S, Cheltenham, Md, w/V's, DE NAV QRL on U.S. Armed Forces Day 1996. (RB)

7085 NBL: USN MARS Radio Station 1730 CW Naval Sub Base, New London, Ct, clg CQ on Armed Forces Day 96, & ann QSO of 7110. (RB)

7145 NBL: Groton CT 1759 CW Armed Forces Day station (AM2)

7475 NIGHTWATCH 01 1436 USB w/28-character EAM (picked up by GHFS at 1440z); followed by call to CONSTRUCT to verify receipt of traffic. NIGHTWATCH 01 1438 USB wkg BASSBOAT. When NIGHTWATCH 01 asked
BASSBOAT if he wished to enter the net, the answer was negative.

NIGHTWATCH 01 also looking for station ROCKBELL. Secondary freq said to be ZULU 200, one of the new ZULU designators now being used since maybe 01 Jun 96 or so. (JH)

7535 SESEF NORFOLK 1849 USB conducting radio testing with the USS Arleigh Burke (MFG-2). Norfolk SESEF: 1739 USB wkg USS Detroit. Detroit doing radio checks in USB LSB ISB CW and FSK. USS Stark: 1355 USB wkg Norfolk SESEF radio test. (MK) NTIC: USS Ticonderoga (CG-47) 1458 USB tech control, req ck in the green. NNWI: USS Whidbey Island (LSD-41) 1516 USB clg AC4 (Assault Craft Unit 4, Little Creek, Va) "tower", no joy, app wanted 7536.5 Khz. N/A: PCU Gonzales (DDG-66) 1520 USB w/test of several xmitters (Pre-commissioned Arleigh Burke-class guided missile destroyer, so no "USS" used yet). N/A: USS Pelican (MHC-53) 1618 USB clg SESEF for several minutes, no joy. Callsign? N/A: USS Robin (MHC-54) 1628 USB wkg SESEF w/test count, very weak here. callsign? NDWQ: USS Detroit (AOE-4) 1635 USB "Fast Combat Support", clg SESEF repeatedly for rdo ck, app cud not hear SESEF answering. (RB) USS TICONDEROGA 1300 USB wkg SESEF Norfolk testing their emitters. Had gone through 7 of 'em by the time I signed off (TB) (SESEF is Ships Electronic Systems Evaluation Facility, located at Ft Story, Va. hLOGS)

7592.5 FDI22: unlocated FAF 1833 CW CQ (DG)

7765 DOD Cape 1038 USB w/ann to Range Safety units that the shuttle is in orbit & ann of Open Ocean bailout SAR Exercise..."this is a drill". KING 1 USAF HC-130 Rescue a/c 1039 USB wkg DOD Cape re DMB (Data Marker Buoy) drop 3020N/7930W re Open Ocean bailout SAR Exercise. NLTT: USS John Hancock 1044 USB (DD-981), a Spruance-class destroyer, wkg DOD Cape re proceeding to 3020N/7920W as part of a Open Ocean Bailout SAR drill, later confirms helo, CULASS 473 was airborne but loitering within 7 NM of ship. ORION 4 USN P-3C NAS Jax 1103 USB wkg DOD Cape re proceeding to drill area as part of a Open Ocean Bailout SAR drill after the launch of shuttle Endeavour on STS-77. Adv was airborne from Cecil Field. WRPH: M/V Liberty Star 1843 USB clg Cape Radio, no joy, after 1030 launch of Space Shuttle Endeavour on STS-77, this is a Booster Recovery ship. (RB) DOD Cape: 1018 USB wkg King 1. DOD Cape: 1021 USB wkg Clearance 1. 1028 DOD Cape ann 2 mins to countdown.1029 DOD Cape announcement Time is now 1 minute. 1030 DOD Cape Endeavour has launched. 1033 DOD Cape to King 3, then wkg Clearance-1 requesting them to return to base. (RW) (an excellent catch from Australia! -LOGS) X5L: 1453 USB clg ORION JAX once every couple of minutes. No answer. BRD (Booster Recovery Director) calling Liberty Star (no answer), and Cape Radio calling Liberty Star (again, no answer). Too bad X5L, BRD, and Cape Radio didn't want to talk to each other! (TT)

7788 FDI22: unlocated FAF 0805 CW CQ (DG)

8053 ANDREWS 0608 USB wkg EXECUTIVE ONE FOXTROT. (JH) Executive 1 Foxtrot 0517 USB wkg Andy w/signal ck's, adv is on the ground, will be back up in 20 mins.(RB)

8122 Canberra control 0925 USB w/radio check to "Mike Echo Kilo" Also wkg w/HMAS Trevally. Later Darwin wkg Launceston (Tasmania) ctl. til 0942 (AW)

8345.5 IGMA: It navy ship Magnaghi 1735 USB clg ICS. ICS: Italian Navy, La Specia 1014 USB clg IGTC for radiocheck (BVR)

8437 4XZ: IN Haifa 2007 CW CQ (DG)

8551.6 CTP: NATO Lisbon 0603 CW chan mkr. (Dw2)

8602.5 ZLO: RNZN Auckland 0625 CW chan mkr. (Dw2) (Tx Located at NAVCOMSTA Waiouru, HMNZS Tirangi, 300km South of Auckland -LOGS) (Dw2)


8960 MCCLELLAN, as lead GHFS station, w/20/20 character EAM "FOR DOUBLE BAR; at 1207z with 20/20 character EAM "FOR STUB"; at 1217z w/20-character EAM "FOR DOUBLE BAR"; starting at 1322z w/the 20/20 set of a 20/20/26 character EAM set that he had to disregard for his initiation of a FOXTROT broadcast prefaced with FAIRLY, and which took up so much time to get restarted that he completed the entire
20/20/26 character set in one transmission. The 26-character EAM string of this set was then rebroadcast by MCCLELLAN at 1507z, MCCLELLAN's h+50 "repeat" EAM xmsn time. At 1507z, MCCLELLAN, as lead GHFS station, with a 20-character EAM "FOR STUB; and at 1514z with a 20-character EAM "FOR STUB." (JH)

8967

INDIA 0701 USB wkg SIERRA, general chitchat of a non-tactical, friendly nature. I first thought that they were a couple of fishermen, but suspect USN alligator playground co-ord players. They get this way every now & then when they get bored. CHARLIE 4 activity, probably. (JH) (known FOXTROT TANGO freq -LOGS)

8968

E8B 0513 USB wkg HICKAM. Q2C 0430 USB c1g HICKAM GLOBAL for a radio check. AT 0434z, HICKAM c1g F2L; and F2L c1g "any station this net." Weak. (JH) Offset: 0133 USB EAM's URJZST wkg UR2ASX //6739 //11175. REACH 028: 0122 USB wkg Lajes pp Metro wkg Ramstein CP inbound to Rhein-Main AB with 217 passengers ID'd pirep as DC-10 acft (is this a contract flight??). Lajes: 0136 USB EAM URJ...UR2 same as 6739. REACH 8J8: 0245 USB wkg Andrews pp Charleston CP wkg metro arrival time 0535Z 31 px 15 veh. Andrews: 2334 USB EAM "RXW4DG". Lajes: 2335 USB EAM "RXW4DG". Andrews: 2335 USB EAM Skyking "SLT" (KW2) NAVY LIMA NOVEMBER 45 INDIA 1907 USB c1g Mainsail, Offutt answers with no reply from LN451 (MF2) RAIDER 44: 1512 pp to ?? via Lajes. EPIC 99: 1601 USB w/p to Westover AFB, said he was inbound to Westover. (MK) REACH V7 2035 USB wkg Lajes, req pp to Rota Metro for their 2130z wx. Asked what they forecast for a departure time of 2330z out of Rota, then an eight hour flight to Norfolk, then a one hour flight down to McGuire. Pilot Report: Aircraft -KC10, Posn -39N 58E, Flight Level -390, Winds -285/027, Outside Temp -57C, Negative Turbulence or icing, Nothing to report all the way from Sigonella. NAVY VT31 2040 USB wkg Lajes, req pp to 476****. The call was answered by the Duty Officer, who told them to pass to ops 'on deck at 2130z, req transportation at 2130z. (SW2) OUTCLASS: 1756 USB w/ pp to DSN 271-# (STRATCOM Command Emergency Actions Officer) via Offutt. Initiated 1758, OUTCLASS radio-checked TOP SONG, and pp terminated at 1759Z. 8JS: 1736 USB contacting Andrews Global & req a pp to SIDE CAR "for Alligator coordination information."

8971

FALCON 01 1851 USB passing RTB (1930) time to BLUESTAR. FALCON 01 1922 USB reporting to BLUESTAR that due to low fuel state they will be refueling at Roosevelt Rds. TRIDENT 703 1915 USB giving his ETA to BLUESTAR to WHISKY 9 GOLF,BLUESTAR then popped up on the net and confirmed. (MF2) PSV: 1712 USB c1g MR5. PSV told MR5 to try any means possible to try & contact TRIDENT 751 for ops report. TRIDENT 751: 1723 USB c1g PSV w/ops & status report. (MK) 1SN 1200 USB wkg 6FI w/radio checks in clear & green (TB)

8983

CG2139: 2342 USB wkg CAMSLANT securing guard landing AS Miami. (KW2) CAMSLANT 1833 USB w/pp for YANKEE 1 GULF to Miami air station (MF2) CG 1500 USCG HC-130 1525 USB wkg NMF, CommSta Boston, w/report to be relayed to International Ice Patrol, Groton, Ct. CG 2115 HU-25A 'Guardian' 1822 USB wkg NMN re securing their radio guard, are on final to AirSta Cape Cod. (RB) USCG CAMSLANT, 1505, wkg CG a/c 2126 & 2141 (both HU-25). (DW2) CG RESCUE 6014 & RESCUE 6031 2000 USB wkg CAMSLANT Chesapeake. At 2002Z, CAMSLANT advised 6031 that District 7 wanted them to divert to Opa Locka (Florida) & wait for further instructions there. A/c were involved in SAROPS for ValuJet flight 592 crash near KMA. (TT)

8992

MacDill: 2026 USB EAM made correction to msg. Albrook: 2336 USB(?EAM "RXW4DG". Croughton: 2337 USB EAM "RXW4DG". (KW2)

9001.5

NMG: 0608 USB w/C8V (CG Vessel?) discussing HFDL msg traffic. (AM2)

9007

CanForce 3436: 0147 USB wkg Trenton Military. Departed El Paso TX req wx for Fredrickon NB. (CM)

9011.4

HABITAT NAS Moffett Field, Ca 0504 USB wkg U3U for est to homeplate of 0640. (RB)

9014

RAYMOND 07 1647 USB providing pp's for GASER 21 to various DSN 866 numbers (ALTUS). Both fair level. SENTRY 42 0120 USB wkg RAYMOND 07.
India Romeo Mike GORILLA 0045 USB wkg MacDill w/pp to DSN.... MacDill asks to "stand by" IRM GORILLA reqs pp NOW, MacDill replies w/stand by. MacDill 0100 USB wkg ARMAMENT.... ARMAMENT passes short msg to MacDill about some sort of cancellation. MacDill ack, and mentions that there are equipment problems at MacDill. (JC5) MACDILL 0046 USB wkg ARMAMENT in voice & data, w/MACDILL having equipment problems near end of activity. ARMAMENT would call MACDILL with no response. Finally, at 0053z, there is a voice on freq clg out "you got it!", & at 0054z, MACDILL calls/work ARMAMENT, asking if ARMAMENT wants to continue with data. ARMAMENT immediately terminates the comms, and is gone. NIGHTWATCH 01 0032 USB wkg WAR46 on self-td'd ZULU-175, w/WAR46 providing a pp to a DSN 271 number for a hi n' bye connectivity check. At 0037z NIGHTWATCH 01 wkg NOONTIME, w/NOONTIME, req a data check, which NIGHTWATCH had to decline. At 0031z, NOONTIME exits the net through the challenge process with NIGHTWATCH 01. At 0205z, NIGHTWATCH 01 works WAR46 with a signal check. Also, attempted same at 0326z. RECTANGLE 1353 USB works NIGHTWATCH 01 on ZULU 175. OVERSLIDE 0042 USB clg NIGHTWATCH 01, and then WAR46, w/no response. NIGHTWATCH 01 clg OVERSLIDE at 0043z, w/no response. Followed by NIGHTWATCH 01 clg NARRATION. At 0131z, NIGHTWATCH 01 clg WAR46. (JH) OVERSLIDE: 0030 USB w/NW01 heard here on self ID'ed Z175 at. Never heard Z205 come up, but did catch NW01 at 0107 (real weak) wkg McClellan placing a pp to a 271 DSN number, so maybe the 11 MHZ stuff is starting to fade on path to the various units. (LVH) PACCOM 01 0008 wkg MacDill. PACCOM 01 0015 wkg Andrews w/pp to Air Force Rescue Center Langley, 01 reporting hearing a distress call from an a/c 20 miles east of St. Croix. AFRC was aware, and already has an incident open on this. (MJ) PACAF 01 1448 USB wkg MacDill Global on flight to Maxwell AFB, Alabama, with a DV3 (PACAF commander Gen. John Q. Lorber) onboard. Other freqs tried as secondaries include 6715 and 13242 kHz. (RJL)
not up on SATCOM at that time. (JH)

AIRFORCE ONE 0252 USB wkg ANDREWS. (JH)

IFN91 1800 USB Architect/ETA Split 1935/45, sel/AHJM XV182 C130 (RD3)

9023 WGY901 1912 USB clg a callword station, but could not make out id. No response. CHALICE CHARLIE 1610 USB clg NORTHERN LIGHTS & DEERHUNTER. (JH)

9031 WP91 1800 USB callword station, but could not make out id. CHALICE CHARLIE 1610 USB clg NORTHERN LIGHTS & DEERHUNTER. (JH)

9122.5 AEU1: Corps of Engineers M/V MISSISSIPPI 1830 USB Armed Forces Day station (AM2) AEU1: "MV Mississippi" 1600 USB of the U.S. Army Corps of Engineers, Memphis, Tenn., clg CQ and responding to calls on 7273 for U.S. Armed Forces Day. Said that he would also use 15314 when the broadcast band went quiet. (JH)

9811.5 AEUI: Corps of Engineers M/V MISSISSIPPI 1830 USB Armed Forces Day station (AM2) AEUI: "MV Mississippi" 1600 USB of the U.S. Army Corps of Engineers, Memphis, Tenn., clg CQ and responding to calls on 7273 for U.S. Armed Forces Day. Said that he would also use 15314 when the broadcast band went quiet. (JH)

10241 Russian Navy Moscow (?) 1722 USB QSX 7538, pp to var. ships (ANG)

10470.5 FDC: 0450 CW French Air Forces Metz w/ch. marker. (DW2)

10780 CAPE RADIO: 0145 USB wkg CAP? coordinating freq on 6937. No joy. (CM)

11052 PACOM 01 1845 USB wkg Andrews AFB on F-561 with signal checks for possible primary freq. (JJ)

11053.5 SAM 205: 1240 USB to Shannon.confirmed designator as 891 Upper. (JP2)

11153.6 GOLF 1905 USB clg any station this net for a radio check (no joy). (JJ)

11175 Magic 57 1947 USB Croughton (E-3) pp PMSV, wx. Reach 4W6 1559 USB Ascension several pp, enrt to Ramstein. Gordo 12 2227 Ascension (E-4) pp Andrews PMSV wx Andrews 2330. Reach 60163 2050 USB MacDill (C-141B, 66-0163) pp Ramstein PMSV wx GOOY (Dakar) and FZAA (Kinshasa, Zaire), also req. sunrise/sunset times for Kinshasa. pp Hilda East discussing the recovery of the aircraft out of Zaire (BH) NIGHTWATCH 03, 1510, with Offutt AFB, cut off for higher precedence traffic. (EAM). NIGHTWATCH 01, 1550, calling NIGHTWATCH 03. No Joy. SHELL 61, 1553, with Offutt AFB, pp to Raymond 12 (England AFB). REACH 8035: C-5/C-141, with Elmdorf, pp to Travis Ops. SHADOW 21: KC-10/KC-135, with Offutt, pp to Peterson AFB Meteo. TUFF 12 and TUFF 15: B-52H's, with Offutt, pp to Barksdale Meteo. Regarding wx at training route IR-174 (located north of Memphis, TN). SAM 375: 1725 USB wkg Andrews Presidential via Albrook. Reach CG: 0517 USB wkg Elmendorf AFB AK. (DW2) MCCLELLAN 1608 USB as lead GHFS station. w/a 20/20/26 character EAM set over an 8 minute period. ONE ROMEO MIKE 2353 USB wkg MacDILL w/pp req for COMSUBRON SIX at a DSN 564 number. Trouble completing this patch due to numerous EAMs (including 102 character string) and in progress phonepatches; plus FIVE DELTA PAPA popped up on freq at this same time trying to call the same number. Never did hear it completed from either party. They were not happy campers. OFFUTT 0133 USB as lead GHFS station. w/20/20/26 character EAM set over an 11 minute period. NIGHTWATCH 01 1550 USB clg NIGHTWATc 03, no response & gone. NAVY PM 766 0516 USB clg ELMENDORF, then "any station", & raising MCCLELLAN, with a phonepatch to DSN 359 "DUTY OFFICE." NIGHTWATCH 01 1437 USB wkg MacDILL w/pp's for wx at WRIGHT PAT. weak qrm from S4JG clg any station, and from weak ALE pulses. SIERRA 38 0257 USB (who had been called about 30 minutes earlier by TURBO 53 on 6761.0) wkg HICKAM with phonepatch to TRAVIS CP, looking for TURBO 53. When told that TURBO 53 would not be able to meet them until maybe 0415z, SIERRA 38 considered conducting some transition training at LUKE or DAVIS MONTAN. At 0324z, TIGER 34 (also on 6761) wkg ASCENSION w/pp to ELLSWORTH wx. HICKAM 0444 USB clg F2L. Q7C 1807 USB wkg ASCENSION trying to place pp to DSN 564 number id'd as COMSUBRON 8. Tried two DSN 564 numbers; both went unanswered per ASCENSION opr. Q7C advised that he would try later
and was gone. PAWNSHOP 1520 USB wkg ANDREWS w/pp to NIGHTWATCH 01. (JH) Spirit 25: B-2A 1303 USB wkg pp to Andrews AFB SHOW CONTROL coordinating a fly-by during the air show. Said he would call on UHF when he was closer. (JM) Navy JM 275: 1845 USB radio check, clg Offutt w/no response. (JP2) MacDill 0148 USB wkg pp for DOOM 72 to Barksdale AFB, LA Metro. Seems that Barksdale provided a/c w/updates on navigation & wx data at target site. Ascension 0044 USB w/pp for REACH 18173 (Tail#40638) to Andrews Command Post and Metro. A/c wanted to verify that Andrews is closed and should they still land at Dulles International. Command Post confirmed, Andrews is closed and Dulles will accept them. (KS) Offutt: 0133 USB EAM's URJ2ZT wkg UR2AX / 6739 //8968. SUGAR 81: 0128 USB wkg Albrook pp PLANTATION OPS. DOOM 72: 0140 USB wkg MacDill switch to 11217. 441: 0237 USB wkg Hickam pp may be diverted from Ellsworth to McConnell or Minot. REACH 227: 0241 USB wkg Hickam pp metro wkg base ops -- CLJ4 a/c. JAWS 52: 0242 USB wkg Hickam requested by GHFS op to move to 8968. REACH 0448: 2326 USB clg MAINSAIL any station- no joy. GATER 93: 2327 wkg Andrews rdo ck -- loud and clear. REACH 448: 2329 USB clg MAINSAIL any station- no joy. (KW2) DEADMAN: 1323 USB wkg Hickam looking for NW working freqs. Hickam got NW 01 on the pp & passed 2130 pri /2200 sec. DEADMAN wanted to check in the net pp, but NW said he would meet him on above freqs. (LMV) MacDill 1826 USB w/pp for MUSIC 52 to DSN#781-2644-BARKSDALE,AFB. Albrook 1826 USB w/pp for TORCH 52 to DSN#781-3166-Barksdale meteo. Albrook 1855 USB w/pp for LIMA DELTA 115 Lobo & meteo. Offutt 1848 USB w/pp for REACH 0005 to Andrews meteo. Albrook 1853 USB w/pp for SHARK 22 to Lobo (MF2) Executive One Fox Trot (a/c carrying First Lady Hillary Clinton) 0211 USB wkg MacDill w/pp to Andrews? Command Post. GLOW 26 1924 USB wkg MacDill w/pp to DSN#497 xxsx. THEOLOGY 0040 USB Ascension w/ radio check. THEOLOGY insists on calling Ascension "Hickam" even after Asc. repeats his call. JAWS 57 0054 wkg Ascension w/radio check. THEOLOGY 0108 wkg Hickam requesting NIGHTWATCH net frequencies. SENTRY 58 0138 wkg Hickam w/pp to Raymond 24. 58 wants message relayed to Falcon 3 that they will be extending their crew duty day in order to make scheduled arrival. Falcon 3 gets on and is not pleased with this, much discussion ensues. 58 then asks 24 if his satcom is up & finishes the conversation there, terminating the pp. EVAL 0153 wkg Ascension requesting NIGHTWATCH net frequencies. SENTRY 58 (USAF E-3 AWACS) 0153 wkg EVAL w/ radio check. 58 then asks EVAL to meet him on 11214. DARK 44 0204 wkg Hickam w/pp to DYESS metro req wx for IR320 training route for 0320 entry time. GULL 18 (USAF WC-130 Storm Tracker) 2325 wkg Andrews w/pp. CATBIRD 2254 wkg Ascension w/pp to Brunswick NAS cp. SKYCAST 43 2325 wkg Albrook w/pp activity. NIGHTHAWK 31 wkg Albrook w/pp to DSN 278 xxxx. (MJ) MCCCLELLAN MACDILL w/kg Mcccallan for a rdo ch Mccallan for a rdo ch. Both heard load and clear. DOOM 80: 1604 USB B52 pp attempt through MacDill to 860-****. GORDO 25: 1609 USB E4 wkg Macdill pp tounky#. Gordo weak barely readable. HERKY 14: 1406 USB pp to St Johns via Macdill. Flight of 4 inbound to St Johns from Little Rock. Q0J: 1421 USB pp to COMSUBLANT 564-xxxx (Norfolk) via Macdill Q0J told K6N that he was Esteam High Alpha. Nightwatch 01: 1443 USB pp to ?? via Macdill needed wx for Wright Pat. AFB. RAFAIR 4K07: 1451 USB req Macdill call Goose Bay & advise they will monitor 11192. AFTON 38: 1459 USB wkg Macdill w/pp to Westover ops. said he was inbound to Westover AFB from Lajes and was a flight of 2. The second a/c was EPIC 99 and EPIC would arrive 10 min prior to AFTON. CASEY 01: 1508 USB (KCL135e) wkg Andrews w/pp to Offutt ops. was inbound to Offutt w/1 pac. Told Offutt to notify LOOK 01. DERBY 73: 1512 USB (C130) wkg Macdill w/pp Little Rock metro. SPEG 41: 1605 USB (not sure of callsign) told MacDill that he was departing this freq and thanked him for the help. (MK) STINGRAY 29: U.S. Customs a/c 2340 USB wkg Albrook GHFS w/pp to unid callword who req 29 proceed to coords passed, re poss a/c track, passes course & speed of a/c, will att comms on COTHEN. (RB) DECOY 01 1157 USB w/pp arrived thru Albrook to DSN 476-2682 which ID'd as Navy -- Ops. ETA 1245 and would need civilian and military customs and agriculture. Req 15000 lbs/fuel (TB) DRAGON LADY: 1729 USB calling any station for a radio check. No
answer. LOOK 98: 1741 USB w/ pp to 291-# via Offutt GHFS. LOOK 98 advised "Offutt" to relay to Waldorf (MD GEP site) that 98 will look for them on 7C, and burning on RFh24. The ground party asked if 98 was at Seymour-Johnson (AFB, E-4B/EC-135 forward operating location) & LOOK 98 advised affirmative. NAVY JK911: 1804 USB w/ pp to a DSN at NAS Brunswick, Maine via MacDill. JK011 passed an off-station time of 1705Z to F6M. COMSEC violation! (TT) NAVY UT986: 1808 USB w/pp to DSN 476-# via MacDill. NIGHTHAWK BASE radiochecked NIGHTHAWK COMMO both L/C, pp was terminated at 1535Z. At 1542Z, NH BASE made another pp to HMXh1 Comms Center at MCB Quantico, asking them to come up on their Squadron Common HF channel. NH BASE had a very audible clacking noise in the audio background, like a gas generator or tractor was running nearby.

P8B: 1633 USB clg any station. No answer. At 1638Z, same station keys up & says Any station this net, this is USS Eme (possibly Emery, Emerly, Everly, etc.), but the op pauses after he realizes hes just said all or most of his vessels name, then IDs as P8B and asks for a radio check. (TT)

11176 Aircraft xxxxx? 0134 clg any station for a radio check. Op id'ed his location as Hurlburt Field, FL. (MJ)

11181 NIGHTWATCH 01: USB clg DEADMAN on Z200 (self ID'ed) req him to acknowledge current traffic. Heard a new EAM passed a few minutes earlier. When he didn't get a reply, he passed same EAM here on Z200. (LVH)

11214 CHALICE BRAVO 1708 USB wkg EDMONTON MILITARY w/pp to BIGFOOT, & then DEERHUNTER. BANDSAW JULIET 1611 USB w/ TRENTON MILITARY w/pp. At one point the opr on BANDSAW JULIET on the patch had a non-U.S. EE accent, possibly German. (JH) SENTRY 58 0156 wkg EVAL. (MJ) SENTRY 56 USAF E-3 AWACS 1607 USB wkg SENTRY 50, both standing by for Falcon 3 via pp by Trenton Military to RAYMOND 24, adv he is #2, then att to RAYMOND 24 re 30 min delay in re-fueling causing delay in slip times. DARKSTAR MIKE USAF AWACS 1614 USB wkg Trenton Military w/pp RAYMOND 24. (RB)

11217 DOOM 72: 0140 USB wkg MacDill pp Barnstrum? metro wx for route 293 (bomber on low level practice run??) (KW2) CATCH 11: 0050 USB Freq was active from 00:50z - 00:15z, 10 aircraft were heard during this time span, 11,12,22,23,31,40,41,42,45,61 all were working either REDDOG or BOOKSHELF. CATCH 40 called himself CATCH 40 MIKE CHARLIE. CATCH 42 heard telling BOOKSHELF they were "FIAT" & to pass that on to CATCH 12 CATCH 61 passed to REDDOG they were "SUBURU" eta base time minus 30 min and requested METEOR upload. CATCH 23 was heard passing info to REDDOG. CATCH 42 was heading home and gear is down at 01:06z. CATCH 10 passed info to REDDOG via BOOKSHELF that he was "LONESTAR" at 02:30z CATCH 40 requested BOOKSHELF to check if 310 degrees was correct and mentioned TAILPIPE ALPHA at 2:46z Last transmission heard was at 03:00z when an unid station stated something like all players "PATRICK"... (MK) MINOR 11 1520 USB att to work MacDill GHFS for a pp to a commercial number, faded here. (RB) REACH 524: 2154 USB cgl DIXIE CONTROL & adv their ETA about 45 mins about 1845 local with 47 Pax & 9 crew. At 2207Z, REACH 80030 adv they were 1 hour & 45 minutes out "should be on the ground by 7PM" & reminded CONTROL that a retired general was aboard. (TT)

11220 ATTRITION 1906 USB cgl NIGHTWATCH 01, then calls/works QUIETMAN. Freq made primary, with 9017.0 secondary. GLADIOLA 1615 USB cgl NIGHTWATCH 01. MULBERRY 1934 USB wkg NIGHTWATCH 01. At 2001z, SELLOUT wkg NIGHTWATCH 01, and into some chatter with NIGHTWATCH 01 about "frequency designators." Too weak to follow thread. (JH) Executive One Foxtrot 0300 USB wkg Andrews AFB over the past couple of hours w/pp's to numerous airports in & around Little Rock. It seems Little Rock is rocking with thunder storms tonight. ETA into Little Rock is 0330z (don't know if that's still a good estimate). (JJ)


11244 Airvac Victor5 1020 USB wkg Croughton, pp Rhoda, req upload

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WUNhv02

100,000 lbs of fuel, Rhoda-Freetown (GFLL) ETA 1912 US. Airvac Victor 5 1055 US wk. Croughton pp Rhoda metro. wx for Freetown for 17:00z arrival. (Ch)

NIGHTWATCH 03 1912 US. Then in the next call ID's as NIGHTWATCH 04, cgl MACDILL for a signal check. No response. Within half a minute I caught the tail end of a comm on 892 betwenn MACDILL and a strong station sounding like NIGHTWATCH 04 (but no id given at the end of his comm), with the station advising MACDILL that he was now in contact with NEW YORK, and would break off w/MACDILL. OFFUTT 1653 US, as lead GHFS station, w/20/20/26 character EAM set over an 11 minute period. OFFUTT 1940 US, with 20-character EAM "FOR TACAMO LANT PRIMARY." The GHFS has been hitting h+40(+/-) minustamps in its broadcast of these abncp-type "For..." strings. OFFUTT followed this string with a second 20-character string w/no preface. OFFUTT 1900 US, as lead GHFS station, with 213+ (missed a character or two) EAM: STP123....

At 1923z, OFFUTT back up with 26-character EAM: 67U8EH.

Very unusual, as the "67..." series of static characters were last used on 13 May 96, replaced by "U"... series. At 1928z, OFFUTT up w/20-character EAM (maybe, count lost in qrn): URT4WP... At 1945z, OFFUTT up with 74-character (+/-) EAM: 5T5CB... OFFUTT 1433 US, as lead GHFS station, w/20-character EAM "FOR GROSS INCOME." This string was preceded with a short active EAM period on the GHFS. Two of the strings from this period were then picked up by a very weak GHFS station (could not make out id) who repeated them at 1456/57z & 1526/27z. THEOLOGY 0118 US clg MAINSAIL; raising MACCLELLAN, looking for wkq freqs for NIGHTWATCH 01. TELLTALE 1435 US called MAINSAIL, and raised MACDILL, and OFFUTT, off MACDILL for a signal check and gone. OFFUTT 1325 US, as lead GHFS station, w/20-character EAMS "FOR ERRAND" at 1325z & 1336z. OFFUTT 1549 US, as lead GHFS station, w/108-character EAM (PC68JV...). Different from past strings in that the character set contained "ones" and an "L" through "N" sequencing in certain text blocks: "EAL1A", "EAILA", "EAN1A." BAKESHOP 1700 US clg MACCLELLAN. At 1740z, OFFUTT up as lead GHFS station, with 30-character EAM (PC7PHX... and no "ones"). TESTPOD 2103 US clg MAINSAIL. BUSBY 77 (sounds like; guess on spelling) clg MAINSAIL "with request." No answer. GHFS 1939 US EAM cycle of 20-character string "FOR TACAMO LANT SECONDARY." They are apparently broadcasting these abncp-type "For..." strings during an every-eight-hour transmission window of 0340z/1140z/1940z (all +/-). DEERMEAT 1630 US clg OFFUTT; OFFUTT responds & told him to standby for patch in-progress (GOLD 22). DEERMEAT reg pp to common DSN 271 number, id'd as "____" (could not make out call), for a quick hi'n bye self-id'd "signal check", & gone. At 1650z, MACCILELLAN clg QUID 11. GHFS 1321 US, as lead GHFS station, w/20/20/26 character EAM set over a 10-minute period. At 1350z, MACCLELLAN, at their h+50 "repeat" EAM time, broadcast the 26-character string set. No transmission from MACCLELLAN was heard at 1411z. ANDREWS 1425 US, as lead GHFS station, w/61-character EAM: UP6L5N... MULBERRY (probable USN) 1925 US clg MAINSAIL & raising a weak MACDILL; looking for NIGHTWATCH 01 wkq freqs. During these comms, a weak station popped up on freq clg "any station, this is ____", w/id too weak to make out. At 1958z+, SELLOUT wkq MACDILL, apparently trying to get wkq freqs, with some confusion on the part of SELLOUT in MACDILL's answer. SELLOUT asked MACDILL opr is she was "...aware of the frequency tables that are zulu designated?" MACDILL opr's response was to simply reconfirm the two wkq freqs for the net. ANDREWS 1502 US, as lead GHFS station, w/93-character EAM "FOR ___ITY" (sounds sorta like SURETY, or "sir-i-ty", or somesuch), PCY2IA... A rare variable character-count string "For..." something. No bcst from other GHFS stations (including MACDILL) was heard here for this string. At 1507z, ANDREWS was up with a 44-character (common character-count) EAM (UP6L5N...), this time with no preface. At 1527z, ANDREWS up w/20-character EAM "FOR ___ITY", w/MACDILL heard w/the string as well. ANDREWS 1938 US, as lead GHFS station, w/26-character EAM string, followed immediately with a 20-character EAM string "FOR TACAMO PAC PRIMARY." Common 1938z xmsn time for these things. ANDREWS 1403 US, as lead GHFS station, w/93-character EAM string "FOR ___ITY" (sounds like "sure-i-tee" or somesuch): PMCUTB...
time stamp as similair 93-character "FOR ___ITY" string on 01 Jun.At 1446z, ANDREWS w/a 20-character EAM string "FOR ___ITY". ANDREWS 1622 USB, as lead GHFS station, w/48-character EAM: PCRGOF...There was also a callsigned station up on 6739.0 transmitting this same EAM, maybe simulcasting on 11244.0. No net simulcast freq found, which may suggest he may have been on one of the new ZULU designated freqs. At 1650z, ANDREWS, as lead GHFS station, with a 6(RXFOCY)/20/26 character EAM set over an 8 minute period. Unid station but stomped on by GHFS stations when he got around to id'ing himself - may have been NOONTIME) up at 1924z on 11244 & 6739 w/26-character EAM, slightly leading the GHFS with same. PINUP 35 1908 USB wkg GHFS stations (ALBROOK and ANDREWS) with "ops normal, 3-element group messages" at times such as 1908z (one group), 2004z (one group), and 2031z (Ops normal, no group). Last PINUP ## heard here was a year or so ago, and it was an alias used on the GHFS for an a/c that id'd on the AFSOC freqs as one of Hurlburt's JACKY ## calls. No idea if that is still the case with this station. (JH) Albrook 1845 USB w/pp for SHARK 6ito Lobo and to 825-5552 -VIKING OPS in Minneapolis (MF2)

11247 Ascot 69A 1030 USB wkg Architect. EGUN-ETNS. Selcal AH-KL (CH) 11253 MVU RAF Volmet, W. Dayton 2240 USB w/ID, "this is Royal Air Force Volmet", first hrd since this latest freq chg. (RB) 11494 NIGHTWATCH 02 1645 USB wkg NIGHTWATCH 01 on S311 for comms ck's. (RB) 13200 HICKAM 0308 USB w/a 20-character EAM string first bcst by OFFUTT at 0305z. During her transmission, the 11175.0 comms between HICKAM & SIERRA 38 could be heard in her background. OVERSLIDE 0036 USB wkg THULE (after first clg MAINSAIL on 11175), getting wkg freqs for NIGHTWATCH 01: ZULU-205/ZULU-175. (JH) REACH 1149: 2318 USB w/ McCellan pp Hilda America w/Charleston metro CI41 a/c located 60 miles WWW Holloman AFB NM enroute to Charleston AFB. (Kw2) OVERSLIDE: 0016 USB wkg Thule for NW working freqs. Thule passed Z205/Z175 (LVH) NAVY LIMA NOVEMBER 45 INDIA 1859 USB clg MAINSAIL nothing heard (MF2) 13211 PAWNSHOP 1522 USB wkg NIGHTWATCH 01, & enters the net. NIGHTWATCH 01 tries to get PAWNSHOP to move to net primary freq of Z-205, but discovers that PAWNSHOP may not have the new ZULU designators. NIGHTWATCH 01 first tries to pass the freq(s) via ANDVT, but when he learns that PAWNSHOP can't work the digital mode at this time, offers to pass the freq(s) in the clear. Unfortunately, propagation failed them and the comms were not completed. (JH) 13242 REACH 50219 1641 USB wkg MCCLEAN w/pp to TRAVIS wx & command post. Moved here from 13200. (JH) 13245 NARRATION 0012 USB clg NIGHTWATCH 01 on self-id'd ZULU-220, w/nothing heard & gone. (JH) NARRATION: 0011 USB clg NIGHTWATCH 01 on this freq & self ID'd as Z220 at. No answer from NW01. (LVH) 13476 USNA, Annapolis 1512 CW recruitment msgs (RM) 13965 AAZ: Fort Huachuca AZ 2347 USB Armed Forces Day station (AM2) 13993 AAE: Fort Sam Houston TX 1515 USB Armed Forces Day station (AM2) 14384.5 CIW803 Canadian CFARS op, 1748 USB Gander, NF (Canadian Forces Affiliated Radio System) clg CIW809 on "Bravo" re having another station QSY to "Juliette" (14452.5). (RB) 14385 NBL: Groton CT 1731 USB Armed Forces Day station (AM2) NBL: USN MARS Radio Station 2244 USB Naval Sub Base, New London (Groton) Ct, w/Don clg CQ on Armed Forces Day 96, & ann QSO of 14255. (RB) 14400 AIR: Andrews AFB MD 1742 USB Armed Forces Day station (AM2) 14408 AIR: Andrews AFB MD 1742 USB Armed Forces Day station (AM2) 14441.5 NNN0CRS: USCGC Durable 0140 USB to NNN0EIZ (Lance Berglund-Ojai CA) pp switched to 14477 USB. NNN0CN: USCGC Eagle 0200 USB w/NNNOADV (?) w/pp went to 14391.5 USB, but propagation NG and pp dropped. NNN0CRW: USS Guan 2004 USB clg for pp-no joy. NNN0CWX: USS Portland 2006 USB in comm w/NNNOCRW (USG Guan) re being on freq for while & no contacts. NNN0CWX: USS Portland 2125 USB w/NNNOHPLQ (Texas Shore Station) switched to 14470USB for pp (MR2) NNN0CVP USS Conoley (DD-979) 0156 USB clg ASSMS w/beam heading of east w/routine pp ttc. NNN0NZU Unid airborne unit 0159 USB clg ASSMS, later at 0253 wkg NNN0CQD who asks if they are a shore station, adv they are a airborne unit based in Europe. ID? Was formerly the decommissioned USS Meykord (FF-1058). NNN0CQD USCGC Jarvis (WHEC-725) 0255 USB clg ASSMS & fading. (RB) 14463.5 MPN: USMC Base, Camp Pendleton, Ca, US 1833 USB wkg WB6FZH (in Hi.)
14467 NNN: CAMSLANT Chesapeake VA 1748 USB Armed Forces Day station (AM2)
NNN: USCG Chesapeake Armed Forces Day special events stn. Listened on 14277 (CM)
NNN: USCG CAMSLANT Chesapeake, Va 2239 USB w/"Kevin" clg CQ & listening on 14313 on U.S. Armed Forces Day 1996, then wkg W6BL for QSO. (RB)

14470 NAV-2: North Charleston SC 2129 USB Armed Forces Day station (AM2)
14470 NNNOCXB: USS John F Kennedy 2223 USB not heard w/NNNOHLQ (see above) no joy. NNNOCXX: USCG Gallatin 2234 USB w/NNNOHLQ (see above) w/pp's. NNNOCXN: USS Portland 2310 USB again w/HLQ who was rotating var ships w/pp. Propagation became poor and HLQ told CXN to switch back to calling freq to get new shore contact. NNNOCXM: USS McInerney 0051 USB w/NNNOHLQ (Texas Shore Station) pp. NNNOCZO: USS Stephen W. Groves 0058 USB w/NNNOHLQ (see above) pp (MR2)


14587 COTAM 1142: 1110 USB from Bangui to Roissy. COTAM 2002: 1115 USB 50nh29w to Orleans, ops normal. (JP2)

15016 Altrvac 10E1 1619 USB wkg Lajes req pp, ETA Ramstein 1625 (CH) REACH 802: 1414 USB (tail #0369 Cl[1]b) pp to Hilda via Lajes (MK) 15041 NIGHTWATCH 01 2017 USB wkg DOORPLATE, who enters the net. (JH)

15729 A30: USAF, Incirlik, Turkey 1340 ISB working AEJ - voice on LSB, 75-bd crypto "6028" VFT on USB (JD2)
16986 CTP: NATO Lisbon 1543 CW marker "vvv de ctp qsx 4 6 8 12 mhz k" (DW)
17050 4XZ: IN Haifa 1557 CW marker "vvv de 4xz = = " (DW)
17976 SSE 1750 USB clg ANDREWS GLOBAL for a radio check. After a number of tries, nothing heard and gone. At 1927z, ANDREWS, as lead GHFS station, with 65h character EAM (UP£E£E...). (JH)
18027 SURPRISE 1657 USB wkg CLASSICAL for signal checks. (JH)

ALL OTHER SSB/AM/CW/& MISCELLANEOUS MYSTERIOUS STATIONS=
25 R3H66: Frunze TS, KG2 0306 CW TS, former callsign USB2 (KB)
R3H99: Gorki TS, RUS 0406 CW TS, ex UTR3 (KB)
R3H69: Molodechno TS, BLR 0606 CW TS, ex UNW3 (KB)
R3H63: Unid 0806 CW TS, probably in the western part of CIS (KB)
R3H77: Arkhangelsk TS, RUS 1006 CW TS, ex UPDB (KB)
1610 Travelers information station 0129 AM Indian Head Division of the Naval Surface Warfare Center Indian Head, Maryland." (KS)
2500 ULA4: Tashkent TS, UZB 2029 CW TS, former callsign RCH (KB)
5000 ULA4: Tashkent TS, UZB 1759 CW TS, former callsign RCH (KB)
5400 Various 0830 USB Japanese, later at 0930 Indonesian p/p (Aw)
6517.5 Unid 0335 USB YL in EE "I think there's smoke!!!", OM barely readable here responds.... a tone sounds at regular interval on this freq regardless of transmission underway. Conversation continues ...vry wk copy here in LI... Could this be some ship to shore carrier?? (JC5)
6666.5 Unid 0421 USB The conversations have been here for several days... Spanish I think...both female and male...wouldn't mind knowing the general location of this chatter...just curiosity.approx 0045z. (JC5)
6720 Unid Pacific Islander 1040 USB p/p in the aero band. (Aw)
6745 YL EE Language Numbers Station 0247 USB repeating Charlie India Oscar Two. (Aw) (Mossad -LOGS)
6800 Unid: UTC? AM iy number sts in s/s 3 numbers grp/2 numbers grp on and on sig s20 0339z. (RT2)
6853 Unid: 0032 USB YL/Yiddish/3-2FG (RM)
6880 VKJ: Royal Flying Doctors Service, Meekatharra, West Australia 0908 USB giving wx details for the area. (Aw)
7042.5 Unid 0410 LSB One of the more boisterous Spanish coms I've heard!!! Laughter on top of laughter! (JC5)
7540 Numbers station: 1233 AM "Js" Phonetic Alphabet (EE/YL/5L) (CK) (Mossad -LOGS)
7581.2 Unid: 1007 CW 5 ltr grps off at 1012 no id. (EW)
7733 Unid: 0631 CW 5 fig groups. second (weaker) station on net using bk wkg. qsl new msg opens "= nr 306 145 17 0927 306 = 72727 38477 69866etc". (DW)
7738 Unid: 1758 CW hand morse. (DW)
7744.2 Unid: 0752 Link-11 net (MC)
7746.7 Egy diplo (rome?) 1833 ARQ atu a tfc (BvR)
7795.5 Unid Pacific islander 100$ USB pp, strength suggest PNG. (AW)
7912 UNID 0355 USB Two guys yakkung back & forth in Japanese, occasionally bursting out spontaneously into singing popular songs in EE & songs in JJ. When one guy finished singing a verse, the other guy would key up & clap. Excellent audio characteristics. (TT)
8014 Unid: 1108 USB 0398 1234567890 398 then into 5l/g.1130 repeated all grps end 1150 and off. (EW) (Mike Chace remarked this may be a new CIA "Counting Numbers" station -LOGS)
8048.5 Unid 1930 USB net chatter. Seemed to be working on a computer setup. (JJ)
9320 Numbers station 2020 USB 10m 2020-2117z yiddish. (RT2)
10070 Unid asian. 0615 USB P/P in the aero band. (AW)
10180 Numbers station: 0116 AM YL 5 Numbers Group EE Lang (KW2)
10248 8BY: 0645 CW V marker - VVV VVV VVV 8BY 8BY 8BY 306/076/626/788/313. (AM2)
10262 Unid:USB YL/EE w/3-2F grps (RM)
10454 Unid 1806 LSB VOA feeder nx (RM)
11588 Unid 1535 USB 2 OM unid lang comms. Probably European (RM)
12075 8BY: somewhere in France? 1150 CW This station has changed frequency AGAIN! (JD2)
14295 WA3NAN: 1807 USB shuttle rebroadcast service (CM)
14487 Lincolnshire Poacher, Numbers Station 1810 USB (RB)
15661 Unid: 1537 Harris 39 tone modem (3300Hz pilot) (MC)
16038 Unid 1923 USB 2 OM in unid African lang from Bukavu (RM)
18423 Unid: 1429 CW hand morse. (DW)
20340 Unid 1745 USB. 2 OM/unid lang prob European (RM)

Contributors:
(AB2) Art Blair, Orangevale, Ca, USA (by mail): NRD-515, M-7000
(AM2) Al Marote, Vero Beach, Fl, USA
(AMB) Andy M. Bennett, Australia
(ANEE)Anonymous, Eastern Europe
(ANG) Anonymous, In Germany
(ANUK)Anonymous, In UK
(AW) Alex Wellner, Eastern, Australia: Kenwood R5000
(BH) Bart Hoekstra, Leeuwarden, The Netherlands: Lowe HF-225
(BVR) Bert van Rij, Naaldwijk, The Netherlands
(CH) Carl Hender, Suffolk, UK: IC R72, JVFAX, HAMCOMM
(CK) Costas Krallis, Athens, Greece: Yaesu 7700
(CM) Craig Mackinnon, Halifax, NS, Canada: Yaesu FRG-7
(DC2) David E. Crawford, Gainesville, Fl, USA
(DG) David W. Gentile, central UK: Kenwood R5000, Hoka Code3
(DW) Day Watson, Clevedon, UK
(DW2) David Wright, San Angelo, Tx, USA: DX390, Grundig YB400, Univ.M-1200
(DW3) Donald Warner, Medway, Ohio, USA
(ED) Ed Deasy, Charrlottville, Va, USA: Hoka Code 3
(EW) Eddy Waters, Collinswood, Australia: NRD 525, R8, Hoka Code 3
(HOOD)Robin Hood, UK (by mail)
(JC5) Jeff Chambers, Long Island, NY, USA
(JD2) John Doe, London, England (by mail)
(JH) Jeff Haverlah, Houston, Tx, USA: R5000/R7/FROG7/RFB65
(JJ) Jeff Jones, Ca, USA
(JJ2) Jan Janssen, The Netherlands
(JM) Jack Metcalfe, Danville, Ky, USA: Drake R-8, AEA DSP-1232
(JP2) Jacques Pagnoux, western France: NRD535, AOR3000A
(JSM) J.S. McDonald, Port Coquitlam, BC, Canada: R71A, M6000
(KB) Klaus Betke, Oldenburg, Germany
(KS) Keith Stein, Woodbridge, Va, USA: Sony ICF2010
(KW2) Ken Windyka, Springfield, MA, USA: Sony ICF2010
(LB2) Les Butler, S. E. MI, USA
(LVH) Larry Van Horn, Brasstown, NC, USA: Yaesu FRG100
(MC) Mike Chace, Bath, UK
(MF2) Mike Fink, S. Florida, USA: Drake Sw8
(MJ) Mike Jacobs, Allentown, Pa, USA: R5000

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To become a WUN member, send e-mail to the WUN listserv at:

utelistener@msn.com

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subscribe wun your@own.address

If you have problems in this, or need further information contact Rick Baker at: utelistener@msn.com or ae411@yfn.ysu.edu

That's all it takes. There are no dues. A paper copy of the WUN Club newsletter can be obtained via our WUN publisher, Tim Braun, at WUN Publishing, P.O. Box 16533, Washington D.C. 22041-6533, USA, for the costs of printing & mailing at a rate of U.S.$1.50 per issue.

If you are reading this newsletter from another source, such as a BBS, please let us know!

From your Electronic Editor:
* Welcome to another issue of the single largest source of utility station information and the most widely quoted utility station publication in the world...the WUN Newsletter.

WHAT'S INSIDE:
- Membership News by Mike Wolfson
- International Civil Aero by Tony Orr & Peter Ivakitsch
- Ask WUN! by Colin Goodall
- Digital Review by Ary Boender
- The WUN Military Column by Paul Jones
- New Products, Books, News and Reviews by R.D. Baker
- Nautical News by Day Watson
- The QSL Report by Martin Barry
- Surfing the Longwaves by George Karayannopoulos
- Utility Round-up by Ary Boender
- The WUN Logs Column by R.D. Baker & TEAM LOGS

Starting this month Paul Jones takes over with The WUN Military Column and Day Watson has agreed to at least temporarily take over Nautical News until we see if Jim Pogue, who formerly did both columns, is able to come back. Thanks to both for volunteering to lend their time.

MEMBERSHIP NEWS
Mike Wolfson, Membership Director
mwolfson@bright.net

Welcome to the WUN Membership News for July. I don't have much to report this month. Membership levels have held steady since June. The current totals are listed below with last month's numbers in parentheses.

<table>
<thead>
<tr>
<th>Membership Database</th>
<th>Current</th>
<th>Last Month</th>
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<td>(633)</td>
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<tr>
<td>WUN-DIGEST</td>
<td>73</td>
<td>(66)</td>
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<tr>
<td>WUNNEWS</td>
<td>188</td>
<td>(188)</td>
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<tr>
<td>BBS (non e-mail)</td>
<td>147</td>
<td>(147)</td>
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<td>41</td>
<td>(40)</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1084</strong></td>
<td><strong>(1074)</strong></td>
</tr>
</tbody>
</table>

We also have one new country, Singapore, represented this month. That brings the total to 35. Rick Baker suggested that I go through the member database and survey the receivers used by members. The database contains 174 records. I found at least 112 receivers being used. I say "at least" because I lumped the various versions of the Sony 7600 together and the Lowe 225 was included with the Europa. Anyway, the most popular receiver among WUNNERS was the Kenwood R-5000 (20 users).

Number 2 was the ICOM R-71 (15). Third was the Sony 2010 or 2001D depending on where you live (14). Completing the top ten were: NRD 535 (13), Drake R-8 (12), NRD 525 (10), AOR 3000a (8), Sony 7600 (8), Racal RA 17 (7), Lowe 225 (7), R-390 (7), Yaesu FRG-7700 (7), ICOM R-7100 (6), Kenwood R-2000 (5), and AOR 3030 (5).

I was surprised by the results for 3 reasons. The first surprising point was the number of different receivers being used. The second thing...
that surprised me was the number of scanners being used. These include: FRG-9600, ICOM 7000, 7100, 9000, R100, R-1, Yupiteru MVT 7000, MVT 7100, AOR 1000, 1500, 3000a, and 8000. Finally, I was surprised by the number of members who are using ham gear to actively follow utility stations.


In coming months, I'm going to do surveys of what kinds of decoding equipment members are using and what the most popular kind of station to monitor among members. If you want to become part of these surveys, please answer the questions asked in the member's survey. Here is the survey:

E-Mail Address
Name
Where you're located (state/Province, Country)
Main receiver(s)
Main decoding equipment (HOKA, JVFAX, etc)
Monitoring interests (aero, marine, etc)

The information will not be shared or used by anyone except club officers for club purposes. The database management program I'm using can accept ASCII text. I am requesting that you answer each question on a separate line followed by a carriage return. Please do not include the question itself in the answer, just the information requested.

That about does it for July. According to some reports, the next solar cycle has started. That means that conditions should be improving. Yeah, I know I've been saying that for months. I've been spending some time listening lately for the first time in about eight months and have to say that signal levels seem to be up somewhat. I hope that they continue to improve. Mike
New York, Santa Maria
NATF
3476.0  6622.0  8831.0  11336.0  13291.0
Gander, Shanwick
CAR-A
2887.0  5550.0  6577.0  6649.0  8918.0  11396.0
13297.0  17907.0
New York and Panama with the occasional appearance by Boyeros will be the most active ground stations here.
CAR-B
3455.0  5520.0  6586.0  8846.0  11330.0  17907.0
New York and Panama again the most active ground stations.
SAM-C
3479.0  5526.0  8855.0  10096.0  13297.0  17907.0
Belem, Leticia, Manaus, Maiquetia, Porto Velho, and Recife are the standouts. Check 5526 and 8855 for the most action, 10096 comes in third place. Cayenne and Piarco also make occasional appearances.

SAT-1/SAT-2
5565.0  6535.0  8861.0
Canarias, Dakar, Recife, and Sal are the most active here.
AFI-2
3419.0  5652.0  8894.0
Algiers and Niamey are the star performers here.
AFI-3
5658.0  10018.0  11300.0
Addis Ababa, Asmara, Bombay, Cairo, Jedda, Khartoum, Nairobi, Seychelles are the most active among a great many other ground stations, making this frequency one of the most challenging civil aero DXing experiences!
AFI-4
5493.0  8903.0
Brazzaville, Kano, Kinshasa, Luanda, N'Djamena, and Niamey; what more can I say?
INO-1
5634.0  8879.0
Antananarivo, Bombay, Jedda, Lusaka, Male, Mauritius, Perth, Seychelles
SEA-1
5670.0  6556.0  10066.0
Bali, Colombo, Dhaka, Kuala Lumpur, Madras, Male, Perth
SEA-2
5655.0  8942.0  11396.0
Bali, Ho Chi Minh, Hong Kong, Kuala Lumpur, Manila, Singapore
SEA-3
6556.0  10066.0  11396.0
Bali, Jakarta, Perth.
CEP-1/2
2869.0  3413.0  5547.0  5574.0  8843.0  11282.0
13261.0  17904.0
Honolulu, San Francisco
CWP-1/2
2998.0  4666.0  6532.0  6562.0  8903.0  11384.0
13300.0  17904.0
Guam, Hong Kong, Honolulu, Manila, Naha, Port Moresby, Seoul, Taipei, Tokyo
NP-3/4
2932.0  5628.0  5677.0  6665.0  8915.0  10048.0
13294.0  13339.0  17904.0  17946.0  21925.0
Honolulu, San Francisco, Tokyo
SP-6/7
5643.0  8867.0
Auckland, Brisbane, Honolulu, Nadi, Tahiti.

AIRLINE NEWS

This month we shine the ICA spotlight on the Asia/Pacific area:
EMIRATES has received the first two of its Boeing 777's and has placed them into service on the following routes: Dubai–London Heathrow EK001 and LHR to Dubai EK002 both daily services; EK068 from Dubai to Singapore
WUNhv02

and Melbourne operating on Tues/Thurs/Sat, and the return EK069 on Wed/Fri/Sun. The registrations of the two 777's delivered so far are A6-EMD and A6-EME.

CHINA EASTERN has started nonstop Shanghai-LAX service with their new Airbus A340 aircraft. MU583 SHA-LAX except Thursdays/Sundays and MU586 LAX-SHA operating on Tues/Sats. Via Beijing MU584 routes from LAX to Shanghai on Mondays/Wednesdays/Fridays. I know you did not miss this one, but I did! Effective 14 May NORTHWEST began daily 747 nonstop between JFK and Amsterdam: NW642 JFK-AMS dep 1820 arr 0730+1, and the return NW641 dep 1020 arr 1215.

BRITISH MEDITERRANEAN has commenced nonstop Heathrow-Bishkek, Kyrgyzstan A320 service, Tuesdays from LHR dep 2105 and arriving FRU 0315 and arriving LHR 0630 on Thursdays. Effective 27 July VASP begins service from Sao Paulo to LAX then on to Osaka's Kansai International with the following schedule: VP894 LAX-KIX on Saturdays dep 1245 and arr 1705+1, and on Tuesdays dep 1145 arr 1555+1. The return VP895 is effective 28 July and on Sundays departs KIX 2000 and arrives LAX at 1450, on Wednesdays the schedule is departing KIX 2100 arriving LAX 1550. VASP also operates from Los Angeles to Seoul with VP896 departing LAX 0830 arr SEL 1345+1 on Mondays/Wednesdays, and the return VP897 departs SEL 1750 arriving LAX at 1320 on Tuesdays/Thursdays. All of these VASP flights are operated by MD11s. EVA AIR is now operating a thrice-weekly Brisbane-Auckland 767-300ER service, BNE-QLD is BR365 and BNE-QLD is BR366. Flights operate on Tues/Thurs/Sat. SINGAPORE AIRLINES has placed its new A340's on routes from Singapore to Jakarta (SQ154), Jakarta-Singapore (SQ156). SQ227 operates Singapore-Melbourne dep 2140 arr 0655+1 daily, and SQ228 MEL-SIN departing 1345 arriving SIN 1930; SQ229 Sydney-Singapore departing 0830 arriving 1440 and SQ219 departing SIN 1000 arriving SYD 1925, both are daily services. The Singapore-Bangkok run is operated as SQ66 and the Bangkok-Singapore segment is operated as SQ67 also by A340s. EGYPTAIR has its A340's placed on routes to Osaka-Kansai from Cairo: MS862 on Sundays and MS863 Osaka-Cairo on Mondays, MS860 Cairo-Singapore-Sydney on Tues/Fri, the return MS861 operates on Wed/Sat SYD-SIN-CAI. Not to be outdone to Asia and the Pacific is GULF AIR whose A340s ply the Bahrain-Singapore-Sydney routes as follows:

** SELCAL CORNER ** BY VIC GUBBINS

Hello All and welcome to another edition of the Corner. Sadly, no news at all was received this month so I have just listed some new ones of my own which I received c/o "The Monitor" - thanks again lads!

BM-GP HB-IIC B737 TSW
CG-AH N504MG B727 CCP
CQ-BL A40-GH B767 LOT
DG-CL N105CK L1011 CKS
DG-PS N840AB A310 AJM
DR-AP 00-SCW A310 SAB

Pagina 546
And that's your lot - where would we be without you British guys eh?
Till next month then
73s..........Vic

Well we're out of room for yet another month. Next month we'll highlight the BAe 146 on HF, and bring you the rest of the best of International Civil Aero!

-------------------------------------------------------------------------------
ASK WUN
THE INFORMATION STATION FOR WUN MEMBERS
ASK YOUR QUESTIONS HERE
Colin Goodall, editor
******************************************************************************
This new section is here to deal with requests for help and information to and from WUN members. This column is for you to ask questions; to locate others with similar interests (even non-HF like SatCom or VHF aero); to locate or sell equipment; to ask about receiver problems, or to just ask about anything. If you have a question to ask then ask it via this new section.
******************************************************************************
Send your requests to:- colin.goodall@sspdl.co.uk. Or by mail to C.F.Goodall, Stoneway, Hazleton, Gloucestershire, GL54 4EB, UK.
******************************************************************************
IF YOU WANT TO REPLY TO AN ADVERT NOTE THE SENDERS ADDRESS
AND REPLY DIRECT OR SEND THE ANSWER TO THIS COLUMN.
******************************************************************************
1. FOLLOW UP TO PREVIOUS NEWSLETTERS
******************************************************************************
From: Barry Stone <g6sre@kentnet.co.uk>
Subject: Computer Hash

Colin,

Firstly thanks to all the people who took the trouble to e-mail me with ideas to quiet my set-up. I have tried all of them over the last few months, new balanced aerial (Thanks Paul) different screen resolutions, separate earth for the radio etc. unfortunately none of which reduced the hash to a level that I could work HF data modes.

But I think I have finally solved the problem. I am feeding the computer through a good quality filtered mains outlet and had added clip-on ferrites from Radio Shack to the mains lead at both ends which I had thought would stop any RF from that direction, but while reading another suppliers catalogue looking for inspiration I noticed that they list the same clip-on ferrites as cutting interference from 300MHz upwards so I removed them and put 4 turns of the mains lead through a 1 inch ferrite ring which I guessed would be more effective at lower frequencies. When I turned everything back
on 90% of the noise was gone!!! Checking through the bands the improvement is not quite so much below about 4.5 MHz but I think a larger ring and a couple of extra turns should help.

Thanks again for all the help and I hope this may be useful to other people. Best wishes, Barry G6SRE.

well done Barry and thanks for letting us all know the outcome.

2. HELP WANTED

From: Ingvar Ohlsson <ingvar@canit.se>
Subject: RAF

Hello Colin,

Any answers on the following questions would be much appreciated.

Q1: What is the collective callsign used by STCICS/"Architect" during the "colour- state WX" transmx?, I have listened to this many times without being able to figure it out, it goes something like this: "?????? ?????? this is ARCHITECT ARCHITECT actual(?) colour states time nnnn zulu....."

Q2 is the ?????? callsign always the same, or changed during day?

Q3 during contacts sometimes "standard relay kilo" and "standard relay Lima" is mentioned by the a/c-op, what is this?

Regards, Ingvar

The answer to question 1 Ingvar, is CELEBRITY, CELEBRITY, which seems to be a general callsign. Anyone know exactly what it means? I think the callsign stays the same all day. Also I have heard STANDARD RELAY PAPA. Anyone got more info??

From: dwgenti@globalnet.co.uk (David W. Gentile)

Colin,

I have a few questions that I would like to get answers for! I have been in this hobby for the past 5 years, but I am a real amateur when it comes to traffic analysis. I've got enough frequency guides and other bit's and bob's lying around to help me, but for the most part I'm in it for the Bit's! So outside of the world of 1' and 0's, I wish to understand the following stuff concerning Call Signs:

1) Why is it that frequency guides (Klingenfuss, Ferrel's, etc...), always seem to have call signs contrary to what the station actually broadcasts? For example; I have logged Gdynia Radio as SPA, since that is the c/s passed in tfc, but the freq guides say that this "proper call" is SPA22. How do they know that it is SPA22? Do I need to monitor this guy during a special time of the day or something to catch him passing his "real" c/s? I have looked up Gdynia Radio in my ITU List of Call signs and Numerical Identities of Stations Used by the Maritime Mobile-Satellite Services (whew! try saying that three times fast), and they have 12 different listings for SPA (one, in fact, is for Gdynia only as opposed to Gdynia Radio, why that is I don't know!). I have seen this phenomena many times when it comes to fixed maritime stations, and it has always confused me.

2). Those freq guides also have generic locations for certain c/s, that seem to contradict the ITU Alphabetical List of Call Signs that I have. I posted a message on the French Naval station FUB, about a month ago. In it, I said that the location listed in the ITU guide was Houilles France. Now all of the freq guides (excluding PC Frequenz), listed this c/s as being the French Navy, Paris. Soooo, my question is; who is right? Or is it something like this; The user is the French Navy HQ located in Paris, but the actual transmitter is in Houilles OR Houilles is actually a suburb of Paris and therefore FUB qualifies as being located in "Paris".

Well I Thank You for accepting my ranting's this month, and will write again the next time I start foaming at the mouth!

Best Regards, Dave Gentile

Now, I have noticed this also; who are the "OFFICIAL" keepers of all
call signs? Does anyone actually check on the use of call signs or is it just left to individual Nations and Companies to stay within the guidelines? Lots of info needed here chums.

NOTE TO OTHER POTENTIAL CORRESPONDENTS:-
It is not obligatory to be foaming at the mouth in order to ask a question via this column. Any facial expression is welcome.
................................................................
3. FOR SALE
************

o JRC NRD-525 with 5, 2, 1, .5 hz filters rack mounted in a NOVEX 19" rack mount with speaker, manual $650.00. Kenwood R-5000 in NOVEX 19" rack mount with speaker, also will toss in the matching SP-430 outboard speaker, service guide $650.00. Kenwood R-2000 in NOVEX 19" rack mount, manual, great program and SSB radio, $425.00.

Universal M-7000 RTTY decoder with Video FAX capability, rack mount ears included, manuals, amber Magnavox composite monitor, $700.00. Infotech M-610 RTTY Oscilloscope (1.5" view screen), nice complement to M-7000 for detailed tuning--a rarity! Manual. $100.00. Koyo TVM-96-2 10" composite monitor, extremely well shielded, in original box, $100.00.

Microdec MD-200 standalone RTTY decoder (decodes CW, RTTY@ 4 different speeds, SITOR A & B) with rechargeable internal battery pack. Custom tuning controls done by Microdec (one of a kind), battery charger. A good self-contained field RTTY unit. $120.00. JPS NER-10 Noise reduction filter. Seldom used, mint condition. $120.00.

JPS ANC-4 noise limiter. Current model, never used. $120.00. HOKA Code 3 Ver. 5.0 with ALL features, manual. A great little unit which connects to a serial port (RS-232). $350.00. All prices include shipping via UPS ground. Quicker shipping is available at additional charge. Please respond to Chuck Yarbrough, at wampus@www.valuu.net, or snailmail at Rt.1, Box 541-42, Valdosta, Georgia 31602 USA. Or by phone (912)247-2718 voice, (912)245-0185 fax.

******************************************************************
And that brings us to the end of another programme.
Till next time,
Colin.
===========================================================================
#  DIGITAL REVIEW  #
[ editor: Ary Boender   ary@bitbike.com   2:283/512.24 ]

Howdy y'all ! Welcome to the 19th edition of the Digital Review. A long column this month, so no time for small talk. Those who contributed... T H A N K S !!! It is much appreciated ! -Ary-

Digital Round-up
----------------
o Offenbach Meteo now definitely stopped its transmissions on Lw.

o Shortly after I noticed an uncommon NAVTEX transmission from Oostende Radio, I received a note from Day Watson that he logged them as well. Ronny Peeters from Belgium asked Oostende for details and this is what he got: Oostende Radio has a new NAVTEX service. Transmission times on 518 kHz: 02.00, 06.00, 10.00, 14.00, 18.00 and 22.00 UTC, id 'M'. The service is a partnership between Oostende, Cullercoats and Land's End.
Radio. The reception of the English stations is very bad in the Dover Strait, therefore Oostende Radio also relays the Dover Straits reports as a separate service to its normal NAVTEX service. The latter can be copied at 02.48, 06.48, 10.48, 14.48, 18.48 and 22.48 UTC, id 'T'.

Txn Ronny!

o 81-81 system. This item slipped through last month. It wasn't meant to be published folks. The Railway part is not correct. As far as we know the system is mainly used by the military. The 40.5 variant is used by the navy and probably also by other Russian military forces.

o Murray Lehman (alwyn@starwon.com.au) sent us an update to the circuits list in the May newsletter. Txn Murray!

5ST has made two minor frequency changes 4014.5 to 4012 and 7834.5 to 7831.5 kHz.

<table>
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<tr>
<th>KHz</th>
<th>QTH</th>
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<th>C/S</th>
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- Roger shares the following amendments:

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Pagina 550
RTTY monitors and route indicator (RI) hunters regularly ask me to clarify the format of the messages. Well, most of the 'things to know' were already explained in earlier columns. See also newsletters vol.1 nrs 7 and 11 and vol.2 nrs 1, 2 and 4 (Rick's new products column). My special thanks goes to Torsen Illgner for all his help.

This article handles the basic NATO-message-format, a standardized form for all traffic between NATO-units, commands, stations and services. Because automation became more and more important it was necessary to standardize the form of all messages so that they could be processed by using self-correcting computer-telex-nets.

There are RIs in each message. A RI shows the destination of a message in a telex-network. They contain information about the sender and receiver like the country of origin and operational area. A typical RI consists of 4 to 9 characters. They are used to speed up the routing of a message.

Example: The HMS VINCINITY has a message for a state side station. The radio operator puts the message in a standard format and uses a RI for the correct address. He then transmits it to the nearest land station, say Faslane (MGJ). The radio-managing-system at Faslane "reads" the message RI and sends it automatically to the right station; via a computerized telex-network.

Each standard message consists of so-called 'format lines' (FL). There are 16 of those format lines possible. There is a difference between the format lines in a CW and a RTTY message.

Example:

VZCZCEAD035
PP RGFDEA RGFBPJ
DE RGFDEACF 4711 0051245
ZNR UUUUU
PR 0512312 JAN
FM FGS ROMMEL
TO RGFDEA/NAVCOMMCEN WILHELMSHAVEN
INFO RGFBPJ/2(GE)DESSQN
BT
UNCLASS
SIC SVC
MSGNR 4711
INT ZDK X21E 421/429/447/449/450
BT
(8 empty lines)
NNNN

This message simulates traffic from FGS Rommel to NavCommCen Wilhelmshaven via RTTY. So, how can we translate this stuff???

FL-1 This line contains the startup-procedure for telex-networks. If a message is sent via HF it contains information of the message's classification.

FL-2 PP RGFDEA RGFBPJ: These are the RIs of the addressees. PP means that this is a PRIORITY-message.

FL-3 DE RGFDEACF 4711 0051245: RGFDEACF means that the originator is copying DHJ59 HF-frequencies. 4711 is the originator's message number, 0051245 is the julian date and time-group (DTG), the so called filing time.

FL-4 ZNR UUUUU: Security-advice. There are five classifications:
ZNR UUUUU is used for unclassified messages
ZNY RRRRR for restricted messages
ZNY CCCCC for confidential messages
ZNY SSSSS for secret messages
ZNY TTTTT for top secret messages
Here are the priority codes again. Four priority codes can be used to indicate the time of delivery: R, P, O, Z. (R=routine, 24 hours of delivery, P=priority, 1-6 hours, O=immediate, 30-60 minutes, Z=flash, not longer than 10 minutes). 'To' and 'Info' addresses often have different priority codes.

Following is the DTG in ZULU-time (Z). The DTG consists of DDHHMMZ MONTH. Zulu means time at time zone ZULU (equals GMT/UTC).

TO RGFDRA/NAVCOMMCCN WILHELMSHAVEN: Action addressee.

INFO RGFBPJ/2(GE)DESSQN: Information addressee (2nd German destroyer-squadron)

BT, separates the address part (FL 1-10) from the message-index (FLs 12 a - g).

a) UNCLASS: Unclassified message (often clear text)
b) SIC SVC: SIC-code, SVC = Service, for radio operators.
c) MSGNR 4711: Originator's message number

g) INT ZDK X21E 421/429/447/449/450: Message text. FGS ROMMEL requests DHJ59 to repeat transmission of X21E-messages 421, 429, 447, 449 and 450.

BT, end separation

EOM (end of message) procedure (8 line-feeds) and NNNN (endsign)

In FL-7 you may find AIGs (Address Indicating Groups) of max. 4 figures (eg AIG3485). An AIG contains at least 10 fixed addresses. They are used to direct messages to multiple receivers without mentioning them all separately. At the moment there are about 8500 AIGs effective. Germany's naval forces are using AIGs 3300-3499.

The above given message is a so called plaindress. Sometimes plaindress messages are shortened, skipping FL-5. All classified stuff is however encrypted. NATO uses the AROFLEX encryption system (5-letter groups) for their 'codress' messages. FLs 6, 7, 8, 9 are then left out; they are included in the encrypted message.

Sources: ACPs (Allied Communication Plans) 117, 121, 124, 127 and 176, Radio Navigational Aids and national regulations.

More military stuff

In the May newsletter, Day explained a number of VFT systems. Torsen mailed me some amendments and corrections: "The encrypted data speed is normally 75bd but may be increased to 100bd when there are urgent messages. The on-line encryption starts with a 300 to 350bd phasing signal followed by arithmetic synchronisation in 75bd. You may hear DHJ59 in voice and VFT on 2625, 4145.5, 6779, 8335.5, 10192.5, 10197, 12178, 12415.5, 15929, 16129 kHz. On 6731 you may hear DHJ59 in voice but NEVER in VFT, occasionally there is encrypted RTTY on that frequency but that doesn't happen very often."

Peter from the UK shares a bunch of identifiers with us. Amongst them are a couple of IFOR and SHAPE identifiers.

ACFHAW/CENTMOB TARASCON RBSPMB/ARRCCIN SARAJEVO
RBSPDM/MNDESEMAIN MOSTAR RFFBBYM/DIVFRIFOR MOSTAR
RFFBBYM/MOUVTRPDIVFRIFOR MOSTAR RFFBAYM/REGSOUTFRIFOR MOSTAR
RFFCCN/CENTMOB LAON RFFCCV/REGARTIMA LAON COUVRON
RFFDBA/REGINFMA AUVOUS RFFDBC/REGSOUT NANTES
RFFDBN/CENTINSFORPRO FONTENAY LE COMTE RFFDCC/CENTMOB RENNES
RFFDCL/REGARTIMA LA LANDE D'OUEE RFFDCT/REGINFMA VANNES
RFFRPC/REGPARCAMA BAYONNE RFFGC/REGPARCAMA MONT DE MARSAN
RFFGCI/COMLOG UN METZ RFFGDM/CENTMOB SEDAN

Pagina 552
Very common on shortwave are the stations of the Royal Navy (MTO, GYA, MGJ). Their 75bd RTTY availability messages are well-known to virtually every dxer. Not only the RN but also the Dutch Royal Navy (PBB, PBC) and the Italian Navy are transmitting this stuff. Although CARB (Channel Availability and Readability Broadcast) is a NATO system, virtually each country uses its own codes. But what is the meaning of these messages?

Let's take a closer look at a RN transmission:

02D 03B 04B MTO This is a part of the normal string.
02D 03B 04Boo MTO A ship requested traffic on channel 04B. MTO acknowledges by switching the channel to BUSY.
02D 03B 04Bae MTO While the ship transmits the tests, MTO switches the channel to BUSY again.
02D 03B 04Bak MTO While the ship transmits its messages, the channel is BUSY.
02D 03B 04Bar MTO Now a ship has called on 8 MHz to which...
IGJ is reacting on the appropriate channel mark. Note the consistent letter. This time C - ship using indefinite callsign C.

IGJ is continuing to work E and no-one is using the 6 MHZ ship channel.

Check out these URLs for embassies and consulates on the web:
http://www.xs4all.nl/airen/index.html
http://www.embpage.org/foreign.html

DGPS update

Until now all Differential GPS (DGPS) stations operated on LW and MW but now they also moved to satellite. OMNISTAR developed the new system. Here is a summary of the info that I received from them.

The OMNISTAR system provided by OMNISTAR, INC. is a nationwide fulltime differential GPS broadcast system delivering corrections from an array of base stations positioned throughout North America. Trimble model 4000 SSE receivers at the base stations provide RTCM-104 version 2 corrections over VSAT and leased lines. Each site also has a dial-up line to serve as backup to the VSAT and leased line, and to allow control of the receiver. Data from the base stations flows to the Network Control Center (NCC) near Houston, Texas where the RTCM corrections are decoded, checked, and re-packaged in a highly efficient format for broadcast. The data modulate a spread-spectrum sequence that is then upconverted for transmission to a C-band communications satellite.

The satellite broadcast is received at the user's location by an Omni antenna and down-converter system, demodulated, and passed to a processor that reformats the data into corrections for use in a user's GPS differential-capable receiver. In OMNISTAR the corrections from several sites are combined in processor software to produce an optimal correction for the user's location. The resulting corrections are recast as RTCM-104 version 2 corrections for direct application to a user's receiver.

The following is a list of active LW stations. OK, this is what I compiled. The list was last updated July 3, 1996. All transmissions are in MSK mode. Additions/corrections are most welcome.

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Canada

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Lauzon, Quebec | 309 | 200 | On-line operational testing |
St. Jean sur Richelieu, Quebec | 296 | 200 | On-line operational testing |
Partridge Island, NB | 311 | 200 | On-line operational testing |
Western Head, NS | 312 | 100 | On-line operational testing |
Point Escuminac, NB | 319 | 200 | On-line operational testing |
Fox Island, NS | 307 | 200 | On-line operational testing |
Cape Race, NL | 288 | 200 | On-line operational testing |
Port Aux Basques, NFLD | 290 | 100 | On-line operational testing |
Pistolet Bay, NFLD | 317 | 100 | On-line operational testing |

Australia

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Hello all, My name is Paul Jones, and I'm the new editor for the Military Column. I've been interested in all aspects of radio for about 18 years, especially radio relating to the airbands. I work for BA at Birmingham Airport in the UK, in the terminal/operations department. This is where the aircraft interest comes from. This is my first column for WUN NEWS although I've been on the WUN listserv from nearly the beginning. Can I ask any of you who have any information you'd like to pass along to send it to the email address above. Thanks. So down to the nitty gritty...a few reports passed to me by Rick Baker.

Below is an amendment to the GHFS information that appeared in the May, 1996, WUN Military Column. It was sent by Geoff Halligey via Day Watson. Thanks guys!

In the May WUN there is, under the WUN MILITARY COLUMN, a list of GHFS freqs taken from a 1994 edn. of the Mar - Nov 1994 issue of the DOD (Dept of Defense) Flight Info Handbook. I have the Feb - Sep 1996 edn and there are quite a few alterations, which I have listed below. These are just the corrections, the remainder of the table was ok:

4724 Andrews (H24)
Elmendorf (H24 Oct - Mar)
Incirlik (H24)
Thule (H24)

6712 Andrews (0001 - 1000)
Bayonne (1300 - 2100)
Croughton (H24)

6739     delete Andrews & Croughton
Elmendorf (H24 Apr - Sep)

8992     Ascension (H24)
Croughton (2300 - 0500)
delete Incirlik & Yokota
11175     Bayonne (1300 - 2100)
delete Thule
13200     Croughton (0500 - 2300)
Elmendorf (H24 Oct - Mar)
15016     Ascension (H24)
Bayonne (1300 - 2100)
Incirlik (H24)
17976     delete Thule

HURRICANE NEWS.

Mike Agner, who is a WUNNEWS member, writes "undoubtedly the subject of hurricane tracking has come up on the listserver in the last few days (I don't subscribe to that list-too many messages!). In my notes I found the URL one can check for the schedules - they look like a form of AMVER messages, interestingly enough - for the Hurricane Hunter flights. It is: http://twister.sbs.ohio-state.edu/text/severe/tropical/NOUS42.KHNC
Note: I also tried this URL beginning with 'asp1' and it still worked."

Thanks Mike!

U.S. NAVY

From the Navy News service:
Status of the Navy: July 8, 1996
Personnel:     420,149 active duty; 96,137 selected reserves;
                230,601 civilians
Aircraft:      4,899
Ships:         361
At Sea:        189 ships (52%)
Deployed:      123 ships (34%); 66,740 personnel
Exercises:     7
Port visits:   17
SSNs at Sea:   36 (45%)

Carriers/Airwings at Sea:
  USS Enterprise/CVW-17: local operations, Eastern Atlantic
  USS Independence/CVW-5: Yokosuka, Japan
  USS John F. Kennedy: en route to port visit, Portsmouth, England
  USS George Washington/CVW-7: Operation Southern Watch, Arabian Gulf

LHAs/LHDs/LPHs at Sea:
  USS Belleau Wood: local operations, Western Pacific
  USS Boxer: local operations, Eastern Pacific
  USS Guam/22nd MEU: port visit, Rota, Spain
  USS Saipan/24th MEU: Eastern Atlantic
  USS Tarawa/13th MEU: Exercise Infinite Moonlight, Red Sea

Ships Assigned to Middle East Task Force:
  USS John Young, USS Rodney M. Davis, USS Thach, USS Ardent,
  USS Dextrous, USS Laboon, USS Doyle, USS Russell,
  USS Hewitt, USS Vandergrift

Other Exercises/Operations:
  Counter-drug operations, Caribbean
  Operation Decisive Edge/Enhancement, Adriatic Sea
  Operation Vigilant Sentinel, Arabian Gulf
  Operation Southern Watch, Arabian Gulf
  Maritime Interception Operations, Arabian Gulf

U.S. Air Force

From Air Force News Service:
WHITEMAN AIR FORCE BASE, Mo. (AFNS) -- The twelfth operational B-2 Spirit bomber arrived July 3. Majors Gavin L. Ketchen and Richard Vanderburgh, both of the 509th Bomb Wing, flew the aircraft from the Northrop Grumman plant at Palmdale, Calif.

This was the fourth B-2 Spirit delivered in 1996. Nine more are scheduled to be delivered by early 1998 to complete the planned fleet of 21 bombers.

Canadian Forces Affiliated Radio System -CFARS

Mr. Anonymous sent the following CFARS breakdown of callsigns might be of interest to other WUNers:

NOTE: N = A NUMBER.
CIW8NNN = EAST COAST CANADIAN NAVY SHIPS
CIW2NNN = WEST COAST CANADAIN NAVY SHIPS
CIW9NNN = CANADIAN COAST GUARD SHIPS

NOTE: CIWNN Stations are normally Canadian Forces Amateur Radio Club Stations, while CIWNNN stations are normally Canadian Amateur radio stations.
CIW2NN = BRITISH COLUMBIA (AMATEUR CALLSIGN AREA VE7)
CIW3NN = ALBERTA (AMATEUR CALLSIGN AREA VE6)
CIW4NN = SASKATCHEWAN (AMATEUR CALLSIGN AREA VE5)
CIW5NN = MANITOBA (AMATEUR CALLSIGN AREA VE4)
CIW6NN = ONTARIO (AMATEUR CALLSIGN AREA /VA3VE3)
CIW7NN = QUEBEC (AMATEUR CALLSIGN AREA VA2/VE2)
CIW8NN = ATLANTIC (AMATEUR CALLSIGN AREAS VE1//VE9/VO1/V02/VY2
CIW3NNN = DEPLOYED CANADIAN UN MISSIONS

This will at least give SWLers a good indication of what type/location of CFARS station being logged.

Keep up the great work you have been doing in regards to WUN.

Thanks Mr. A!

Well That's it I'm afraid, only a short column, to start with. Again can I please ask, any of you with information to pass on to send it to paul@termcon.demon.co.uk at least I have a full month now to collect the next column together. Bye for now...Paul J

New Products, Books, News and Reviews
Rick "RD" Baker, editor
1352 Cavalcade Dr., Austintown, Ohio 44515-3844, USA
utelistener@msn.com or ae411@yfn.ysu.edu

Items to be reviewed, information about new products, books, software, or events that would be of interest to the WUN membership, send them in care of this column via the clubs D.C. address to save mail costs.

This month we test drive the 1996 Super Frequency List and the Compact Disc Recording of Modulation Types 1st Edition CD-ROM's from Klingenfuss Publications and bring you more news.

REVIEWS

o 1996 Super Frequency List CD-ROM from Klingenfuss Publications

There had been some discussion on the WUN listserv a month or so ago about the use and speed of this CD, so I was very interested to get a copy to test drive. For this review, I used a Compaq Presario Pentium 90 under Windows 95. I also sampled the CD on a 386/25 clone.

What's In It...?

Released earlier this year, the CD contains updated data over the book version and is said to exceed 8,500 entries. Three menu 'buttons' are presented upon opening the English or German version of the program. The first is "Old Freqs" or Klingenfuss's list of 12,820 "formerly active stations". The second is "UT 96", or the 1996 Utility Station list. The third is "BC 96" or the 1996 Broadcast Station freqency list. So one has a lot of research power here making this a powerful information source.

Each list can be searched by Frequency, Callsign, Station, Country or Modulation. It's too bad the generic "RTTY" is used as the mode and under...
'details' the types of RTTY are listed such as FEC-A, Sitor-A, ARQ-E, ARQ-M2, etc. Moving these into the modulation field or creating a separate field would provide a much more usable search feature for some of the rarer modes for example. I did not have a problem with the speed of the CD on either machine. On the Compaq during searches, I touched the key and it was there! It was a tad slower on the 386 clone, but that is to be expected. The search feature is a progressive one, so that if you are looking for 11175, the first time you press "1" you may get 111.8 as an example. The second time you press "1" you may get 1190.0 and the third press would take you to the 11,000 section. But this is actually quicker it seemed to me than typing in a frequency, grabbing you mouse, and clicking enter to start the start the search.

The stuff

One feature that is annoying is when you try to cut and paste data from the CD. You are limited to a single record and then with a copyright statement attached:

Frequency:  12714.0 [kHz]
Call:       UCE
Station:    Arkhangelsk R
Country:    RUS
Modulation: CW/RTTY
Details:    SITOR
(C) 1996 by Klingenfuss Publications. All rights reserved.

But I guess otherwise there might be someone who might try to suck the data out and peddle it as their own database. Since I would find it quicker to make notes as to frequencies I may be searching for, this was not a major problem for me.

I checked the data under the 1996 Utility station list and found it was fairly accurate and complete. One can find minor nits in almost every comprehensive list. This one is no exception. AFE: USAF Loring is still listed on three GHFS and one GHFS discrete frequencies. Loring has not been a GHFS site for some time, and I'm not sure if it's still a Mystic Star/GHFS remote site or not, but you won't hear “Loring” on GHFS frequencies. On the plus side Lahr Military, Germany (CanForces) doesn't show up nor does the U.S. Coast Guards closed "NMA" CommSta Miami. I checked more than 200 random entries against actual logs from WUN.

So overall, it performed well and has useful information in a handy CD format.

o Compact Disc Recording of Modulation Types 1st Edition CD-ROM from Klingenfuss Publications

This is a double CD containing 71 different recordings (including speech!) for a total of 2-1/2 hours of listening time. The CD sound quality was quite impressive. I used both a home entertainment center CD-player and my Compaq computer's CD drive to play sound into my M-1000 and both produced very good results in my being able to decode the sample transmissions. The whole purpose in these types of recordings is for the digital monitor to have a sample of the mode so that it will him or her recognize it. Then being able to practice tuning and syncing to these modes. The CD works well in this purpose.

Some of the modes covered include the various ARQ/FEC modes, ASCII, ACARS, Piccolo, Twinplex, Golay, NATO Link-11. Various languages are also included as is ANDV and other secure voice samples. If you have ever wondered what types of systems make all these odd noises and scrambled voices, it's probably on here!

Just as a note, Klingenfuss Publications also announced that the supplier reduced his prices for the Worldwide Intelligence Services CD-ROM (1st Edition), as a consequence they are able to reduce the price from 120 to 90 DEM as from 01 JUN 1996. This CD covers country portraits and analyses of "more than 200 intelligence services worldwide". The English version covers ten countries, while the German version includes many, many more, the vast majority of which are in Europe.

You can purchase any of these CD-ROM's from Klingenfuss Publications
The Utility Address Handbook, 3rd edition by John Evans

From out of Leicester, England rides John Evans in his never ending pursuit of utility station addresses! The "UTILITY ADDRESS HANDBOOK" 3rd edition is back on the road. The 3rd edition of this definitive manual of utility addresses is once again in preparation for publication.

The country of origin has changed this time, from Germany to England, in the UK. The author is now John Evans G7CEC, having taken over at the request of the previous author the hard working Dr. Reinhard Klein-Arendt (of ENL fame).

John Evans is at present the editor of the "Utility Shack", which is the utility section of the Danish ShortWave Clubs International's monthly magazine, Short Wave News, which is published in English.

The book will cover the same areas as the previous two editions, that being PTT, Aero, A/C, Maritime, Mil, CG, Met, Diplo, Press, Com, TSS, Aid and also separate sections on MARS/CFARS, Naval ship lists, Rigs, Research vessels, NDB's, and anything else ute related that John comes up with.

Contributions are requested from any source which are valid and up to date. The idea being that this book is written by a listener for listeners. It is intended that the project will now be an ongoing research task with the data being updated continuously. On completion of the first printing, address data will also be available, via E-Mail, for information which has arrived too late for publication or has changed since publication date, at no charge. It is also hoped to include such items as specimen utility report forms, all in the same format, but in as many languages as possible. (That's a tricky one!)

John asks any member of WUN who has any utility address information, no matter how mundane, to contribute to the address at the bottom of this article, it would be really appreciated.

The more addresses John gets in for the Utility Address Handbook, the more we all eventually will have. Contact John Evans (aka G7CEC) Phone and Fax; +44 0116 224 8444. E-Mail; john.evans@uteshack.demon.co.uk
Snail Mail; 4 Handley Street, Leicester LE2 8RA, England, UK.

WWW NEWS

Bob Margolis must have been wearing his swimming trunks all summer, cause he has really been surfing up a storm..."net surfing" that is!

More Websites 4U by Bob Margolis (rttyman@wwa.com)

Greetings WUNandall:

Found some more Internet Web sites I think you'll be interested in:

The USCGC Polar Sea, the world's largest non-nuclear icebreaker, has a home page at http://www.aol.com/icebreaker/ (See the latest doings aboard the vessel!)

The North Korean news service, KCNA, can be found at http://www.kinssoft.com/dprk.htm in case the RTTY copy you receive over HF radio is garbled.

Aeronautical and maritime radio enthusiasts might want to take a looksee at a huge site with all kinds of information on Vietnam. Surf your way to http://www.serve.net/vietnam/pages/INDEX.HTM which is the table of contents page. Then you can mouse-click on "Transportation Sector". From the Transportation Sector page you can move to either "Air Transport" or "Maritime Transport" or other transport subdirectories.

I don't recommend this next one because it's very short, giving just one paragraph of information. But to show you it exists, the page for time station CHU in Ottawa, Canada. Horology is the science of time. http://www.webcom.com/horology/h--chu.html

Of big importance to radio listeners everywhere is propagation because it is what governs whether you'll hear that HF radio utility station you're seeking. I found an informative site at http://www.lbmpcug.co.uk/~g4sgi/propagation.html that is run by Simon Collings, G4SGI. He discusses Free-space waves,
Ionospheric waves, Fading, Scatter, Meteor Trails, Aurorae (Borealis and Australis), Ionospheric and geomagnetic storms, Tropospheric waves and Ground waves.

Those of you interested in military stations will like this one from Japan. The Japan Maritime Self Defense Force has a home page at http://cssew01.cs.nda.ac.jp/~yas/JDA/MSDF/index.html

The poop you'd be most interested in can be found by mouse-clicking on "Maritime Defense".

Environment Canada's Canadian Ice Service has a huge, and I mean HUGE, Web site at http://www.on.doe.ca/ice/about/about.html

Here you'll find "About the Canadian Ice Service". All sorts of information is provided, including the history and operations of the ice service, and explanations about weather data and graphics symbols that are on radiofax charts and RTTY text. I rate this site four stars. Our French-speaking members will be happy to know that the entire text is also available in French.

A radiofax schedule for KVMH70, Honolulu, Hawaii, is at http://www.nws.noaa.gov/pr/os/pacfax.htm

Lastly, here are two that are Amateur Radio oriented, but they have pertinence to WUN's Wendy enthusiasts. First is Prince Edward Radio Club at http://www.reach.net/netsites/personal/stormy/percmm/html

Under Maritime Mobile Nets on the home page is a lengthy list of HF-radio amateur radio frequencies worldwide of—what else?—maritime mobile service nets and their times of operations. In this section is this statement, "The US Coast Guard often monitors." Second is Maritime Mobile Service Network at http://206.202.0.2/~mmsn/index.html

It is stated on the home page that "the network is recognized by the United States Coast Guard and has been instrumental in handling hundreds of incidents involving vessels in distress. The network also acts as a weather beacon for ships during periods of severe weather and regularly repeats weather warnings and bulletins from the National Weather Service and the National Hurricane Centre. The net is held daily from 1200 to 2200 EST (although I still heard it going at 2345 EDT on Sun. 14 July) on 14300 kHz. This could be your tip sheet for seeking those vessels in distress, and search-and-rescues frequencies. The MMSN Web site has links to Merchant Marine web sites, military sites, and MARS, as well as other links.

There is a Web site for the Military Affiliate Radio System (M.A.R.S.). It is for members of The Maritime Mobile Service Net and includes the Air Force, Marines, Navy and Army. Surf your way to: http://www.maf.mobile.al.us/~mmsn/mars.htm

You'll find all sorts of goodies there including poop on the recently ended Grecian Fireboat 96 MARS operations, frequency allocations, and active ships list. It looks like this site will grow at an exponential rate as more MARS stations become aware of this facility and add their call signs to the list.

Cuban Utility Stations by William Walker Albertson
A 26 kbyte listing of frequencies used by Cuban utility stations in all modes from 212 kHz to 360.200 MHz. Several sources cited including WUN and my good RTTY-monitoring friend from Florida, Fred Hetherington (FH).
The Web site locale is: http://nersp.nerdc.ufl.edu/~decrawf/misctxt/cubaute.html

Britain's top aerobatics team, the Royal Air Force's Red Arrows, now has an official home page. The page includes a display schedule, history, graphics, and more, and is part of DeltaWeb, a new UK aviation Web site that promises to provide news and information on aviation matters, and more.
http://www.deltaweb.co.uk/reds/

Time to go back to the ol' radio. As Porky Pig aptly put it, "Th-th-th-that's all f-f-folks!"

*****************************************************
Bob Margolis Q. What has four legs and an arm?
rttyman@wwa.com A. A happy pit bull.
*****************************************************

With that notable contribution from Bob, we close another month. Next month is 'new book' month here in WUNDERland and boy do I have some reading to do.
to do after playing with CD's for the last 5 weeks! It's a tough job, but
someone has to do it. Also next month (if I get it done in time) you'll want
to check out this review of Scancat computer control software if your
considering adding full computer control to the shack.

DE RD
Ship was under tow by SmitWijs Towing's MT SMIT NEW YORK. She was due to arrive on the US East Coast (no port designated) by the third week of July. (unfortunately before the publication date of this newsletter).

The remainder of the article goes on to indicate that a wealthy developer/contractor Edward A Cantor bought a major interest in the ship two years ago.

His team say their research shows there is a market for the ship as a floating 5-star hotel-casino, a so-called cruise-to-nowhere gambling ship or even as a luxury cruise ship. However negotiations for financial aid/loans from city and state government departments to have the work carried out at the Philadelphia Naval Shipyard are not proceeding smoothly.

(Stop press! - SS United States arrived at the Packer Avenue Marine Terminal, Philadelphia on 24 July).

++++++ Other departures

The Jul96 copy of Sea Breezes indicates that time has caught up with some other older passenger ships. Whilst the hulls/superstructure and engines are not necessarily in poor condition the costs of meeting the latest SOLAS regulation has become prohibitive.

- Shanghai (blt Belgium 1957 Baudoinville(CMB)/Cathay(P&O)/Kenghsin(Nan Yang Shipping)/Shanghai)
- Universe (blt Chester, Pa 1953 Badger Mariner/Atlantic (American Export Isbrandtsen Lines)/Universe Campus (Seawise Foundation)/ (Universe World Explorer Cruises).
- Brazil Maru (blt 1954 for Mitsui OSK Lines as a Japanese emigrant ship between Japan and S America, a Japanese coastal passenger ship, finally laid up in 1973 to become a pavilion ship at Toba, J.)

++++++ New ships

A new NOAA ship, the NOAAS Ron Brown, was launched end of May from MS. It's hull number is R-104.

SEAWOLF (SSN-21) is getting ready for delivery. A query was raised does anyone know if there is going to be an SSN-22? - the reply was in the affirmative and the vessel to be named CONNECTICUT.

The Italian yard of Fincantieri in Venice is busy building new passenger ships. Unidentified vessel as a replacement for the Holland America Lines Rotterdam which is now 37 years old. Carnival Destiny for Carnival Cruises she is 100,000 gt and 2600 berth capacity. Due for delivery in December she is the first of two. P&O Princess Cruises has ordered the Sea Princess from the same yard for 1999 delivery. At 77,000 gt and 1950 berths she will be the sister ship to Sun Princess and Dawn Princess. (Source Sea Breezes)

The Finnish built 36,000 gt liner Aida will provide cruises the German market where the company, Deutsche Seetouristik, is targetting the 30-55 age group. There will be no dressing for dinner and no formal nights. (Source Sea Breezes).

++++++ Loan facility for Novoship

Extracts from a U.S. Embassy report provided courtesy of the Business Information Service for the Newly Independent States (BISNIS). It was dated Feb96.

A US$225 million loan facility has been arranged for Russia's largest tanker operator, Novorossiysk Shipping Co (Novoship) by the European Bank for Reconstruction and Development (EBRD), Abn Amro Bank N.V. and Meespierson N.V. which acted as joint arrangers.

Novoship is the first private Russian shipowner to come to the market to seek this level of funds without a State guarantee.

The loan proceeds will be used to provide partial post-delivery finance of 11 new 40,000 dwt product tankers currently being built at four Croatian yards: Trogir, Rijeka, Split and Pula. The vessels are scheduled for delivery in 1996 and will be registered under the Liberian flag.

In terms of carrying capacity, tonnage and volume of trade, Novoship is the largest tanker shipping company in Russia and seventh in the World. As a specialist tanker and oil/bul/ore operator it currently has over 90 vessels which operate almost exclusively on international trades. The new vessels form part of Novoship's fleet modernization and replacement program.
++++++ Station overviews.
I intend covering a couple of coast stations each month. This should
give you an idea of their current services, times of traffic lists, weather
and navigation broadcasts.

++++++ Capetown Radio/ZSC overview.
WT service
QSO calling channels 3/4/9/10 on bands in service as indicated by the
marker "cq de ZSC ar k k". Traffic list is sent every EH+30 on 4291, 8461,
12772.5, 17018. Wx is sent 0930 and 1730 on 4291, 8461, 12772.5, 17018.
Nav warnings are sent 0630, 0900 and 1700 on 4291, 8461, 12772.5, 17018.
Watchkeeping 4/6/8 H24
12 Apr-Sep/0500-2000 Oct-Mar/0500-2200
16 Apr-Sep/0500-1800 Oct-Mar/0500-2000

ZSC46 4291
ZSC33 4317
ZSC42 8461
ZSC6 8688.5
ZSC9 12698
ZSC43or57 12724
ZSC38 12772.5
ZSC44 17018
ZSC7 17164.7

Telex service
Stn nr 4331 --> selcal MKKX
Marker "de ZSC sitor svc k" and 5 second tuning dash
Traffic list is sent (fec) every EH+15.
Wx is sent (fec) 0930 and 1730.
Nav warnings are sent (fec) 0615, 0900, 1700
Ship
ZSC61 4214 4176 [ch 408]
ZSC62 8428.5 8388.5 [ch 825]
ZSC63 12601 12498.5 [ch1244]
ZSC64 16816 16692.5 [ch1619]

HF RT service
Traffic list is sent at 0003, 0603, 0948, 1403, 1748 on 4435 and 8719.
Wx is sent 0948, 1333, and 1748 on 4435, 8719.
Ship
ZSC25 4369 4077 [ch 405] Simplex calling
ZSC36 4125 4125
ZSC53 4417 4125 [ch 421] Worldwide calling channel
ZSC48 4426 4134 [ch 424]
ZSC67or55 4435 4143 [ch 427]
ZSC.. 8719 8195 [ch 801]
ZSC.. 8725 8201 [ch 803]
ZSC26 8731 8207 [ch 805]
ZSC57 8779 8255 [ch 821] Worldwide calling channel
ZSC27 13101 12254 [ch1209]
ZSC54 13137 12290 [ch1221] Worldwide calling channel
ZSC28 17263 16381 [ch1608]
ZSC59 17302 16420 [ch1621] Worldwide calling channel
ZSC.. 17338 16456 [ch1633]
ZSC29 22705 22009 [ch2204]
ZSC.. 22711 22015 [ch2206]
ZSC60 22756 22060 [ch2221] Worldwide calling channel

Reported address: Capetown Radio, Private bag X01, Milnerton 7435,
Republic of South Africa.
Research/acknowledgements:
ALRS Vols 1 (95/96) and 3 (95/96)
CFL Ed.9
Klingenfuss Utility Guide 96
web site -
http://www.sas.upenn.edu/African_Studies/Electronic/ZSC_Radio_12918.html
Page 565
++++++ Singapore Radio/9VG overview.

WT service
During period 0000-1400 (marked *) additional frequencies are employed.
(A) indicates the designated answering frequency for the band during this period.

Traffic list is sent every EH+30
on 8530 (H24) and
on 6412, 12733.5, 12733.5, 17232.9 (*)
Wx at 0118 and 1318 on 4322, 6412
Nav warnings at 0118 0518 0918 1318 1718 2118 on 4322, 6412

<table>
<thead>
<tr>
<th>Watch</th>
<th>QSX channels</th>
</tr>
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<tbody>
<tr>
<td>9VG33</td>
<td>4313</td>
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<tr>
<td>9VG54</td>
<td>4322</td>
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<tr>
<td>9VG9</td>
<td>6340.5</td>
</tr>
<tr>
<td>9VG55</td>
<td>6412</td>
</tr>
<tr>
<td>9VG56</td>
<td>8476</td>
</tr>
<tr>
<td>9VG25</td>
<td>8530</td>
</tr>
<tr>
<td>9VG73</td>
<td>8609.5</td>
</tr>
<tr>
<td>9VG36</td>
<td>8688</td>
</tr>
<tr>
<td>9VG37</td>
<td>12659.5</td>
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<td>9VG34</td>
<td>12707</td>
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<td>9VG57</td>
<td>12724</td>
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<tr>
<td>9VG20</td>
<td>12733.5</td>
</tr>
<tr>
<td>9VG58</td>
<td>16966.5</td>
</tr>
<tr>
<td>9VG22</td>
<td>16994</td>
</tr>
<tr>
<td>9VG53</td>
<td>17232.9</td>
</tr>
<tr>
<td>9VG59</td>
<td>22578.5</td>
</tr>
<tr>
<td>9VG27</td>
<td>22479</td>
</tr>
</tbody>
</table>

Telex service
Station number 4620 --> selcal MCVQ
Tfc lists sent (fec) at OH+30 during service hours on 6323.5, 8420.5, 12579.5, 16807, 22381.
Wx sent (fec) at 0130 and 1330 on 6323.5, 8420.5, 132579.5, 16807, 22381.

<table>
<thead>
<tr>
<th>Ship</th>
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</thead>
<tbody>
<tr>
<td>9VG74</td>
<td>4210.5 4172.5 [Ch 401] 1200-0000</td>
</tr>
<tr>
<td>9VG75</td>
<td>4214.5 4176.5 [Ch 409]</td>
</tr>
<tr>
<td>9VG76</td>
<td>6320.5 6269.5 [Ch 614] H24</td>
</tr>
<tr>
<td>9VG77</td>
<td>6323.5 6272.5 [Ch 620] 0000-1600</td>
</tr>
<tr>
<td>9VG78</td>
<td>8420.5 8380.5 [Ch 809] H24</td>
</tr>
<tr>
<td>9VG82</td>
<td>8424.5 8384.5 [Ch 817]</td>
</tr>
<tr>
<td>9VG79</td>
<td>8426.5 8386.5 [Ch 821] H24</td>
</tr>
<tr>
<td>9VG93</td>
<td>8428.5 8388.5 [Ch 825]</td>
</tr>
<tr>
<td>9VG39</td>
<td>8430 8390 [Ch 828] H24</td>
</tr>
<tr>
<td>9VG80</td>
<td>12579.5 12477 [Ch1201] H24</td>
</tr>
<tr>
<td>9VG94</td>
<td>12590 12222 [Ch1222] 0000-1600</td>
</tr>
<tr>
<td>9VG81</td>
<td>12593.5 12491 [Ch1229] H24</td>
</tr>
<tr>
<td>9VG95</td>
<td>12597 12494.5 [Ch1236] 0000-1600</td>
</tr>
<tr>
<td>9VG82</td>
<td>16807 16683.5 [Ch1601] 2300-1600</td>
</tr>
<tr>
<td>9VG83</td>
<td>16815 16691.5 [Ch1617] 0000-1600</td>
</tr>
<tr>
<td>9VG96</td>
<td>16818.5 16695.5 [Ch1625] 2300-1600</td>
</tr>
<tr>
<td>9VG97</td>
<td>16822.5 16699.5 [Ch1633] 0000-1200</td>
</tr>
<tr>
<td>9VG48</td>
<td>16868 16750 [Ch16124] H24</td>
</tr>
<tr>
<td>9VG84</td>
<td>22381 22289 [Ch2210] 0000-1600</td>
</tr>
<tr>
<td>9VG85</td>
<td>22385 22293 [Ch2218]</td>
</tr>
<tr>
<td>9VG98</td>
<td>22389 22297 [Ch2226]</td>
</tr>
<tr>
<td>9VG99</td>
<td>22393 22301 [Ch2234] 0000-1600</td>
</tr>
</tbody>
</table>

HF RT service
An HF RT service is provided between 0000-1400
Tfc lists at 0000, 0405, 0805, 1205 on 4369 and 8728.
Wx at 0005, 1205 on 4349, 8728.
Nav warnings at 0005, 0405, 0805, 1205 on 8728.
 Reported address: Singapore Telecom,
Int. Mobile Div., Mobile Communication Group,
Orchard Point POB38,
Singapore 9123

Research/acknowledgements:
ALRS Vols 1 (94/95) and 3 (95/96)
CFL Ed.9
Klingenfuss Utility Guide 96

++++++ Moscow Radio/UAT.
Following copied at 1000z tfc list time.

de 3701/uat gss/qsx                                [telex - ARQ]
8431.5/8391.5                                      [Ch:831]
12599.5/12497.0 12608.0/12505.5                    [Ch:1241, 1258]
16813.0/16689.5 16898.5/16780.5                   [Ch:1613, 16185]

de uat/moscow radio gss/qsx phone
8731.0/8207.0 13077.0/12230.0 17257.0/16375.0 kgc  [Ch:805, 1201, 1606]
cq cq de uat tfc list 96/06/30 15:45 qtc for=
[Telex tfc lists sent in FEC mode at EH+00]
[Station ID nr 3701 hh> selcal KYVX]
[Kgc Russian abbreviation for kHz]

++++++ Chosi Radio/JCS
This has been reported (recent corrections to ALRS via Geoff Halligey)
to have been closed down.

++++++ St Lys Radio/FFL
Bob Margolis posted an interesting note in French in respect of this
station. I've obtained a scratchy translation which is summarized as
follows.

The population of St Lys a village some 25km from Toulouse want to
protect their famous marine station which has been in service since 1948.
It is the only French station permanently on HF for telegraph, telex, and
telephone communications with ships worldwide.
The staff at FFL have been participating in the economic and social life
of the village throughout this time. However the forthcoming changes in in-
ternational regulations (GMDSS) in 1999 with the growing satellite communi-
cations system FRANCE TELECOM has planned to shut down the service. The
staff is being asked to transfer to Toulouse to work for the International
Centre operations.
Early in April there was a 1 hour strike from 1100-1200. A statement by
the Union (CGT) representative Claude Barry - "We are not questioning the
technological advances but we demand to keep a public service for those ships
which cannot get satellite - especially in the Third World countries."

++++++ Canadian Coast Guard
Robert Ward has been with VCS since 1983, has been a WUN member from the
start and to whom we send our thanks for the following.

Pagina 567
Effective 2400UTC September 30, 1996 (or 0000UTC October 1/96) ALL HF services from Halifax Coast Guard Radio/VCS will cease forever. This includes radiotelegraphy, radiotelephony and radiotelex. This will make VCS an MF/VHF radiotelephone-only station (not counting 500kHz CW, which will continue for a while longer). As you're probably already aware, VCS already closed CW and R/T on 22 MHz, and operates on HF from 4 thru 16MHz. The appropriate Notices to Shipping, and written Notices to Mariners have not yet been issued, but that should happen shortly.

The actual Halifax Coast Guard Radio station building in the village of Ketch Harbour, Nova Scotia (about 12 miles south of Halifax city limits) is scheduled to be closed within the next 2 years, and the operators will be relocated (or co-located, as they're calling it) to the Vessel Traffic Services center building in Dartmouth, Nova Scotia, overlooking the Bedford Basin and Halifax Harbor. All coast guard radio operators and vessel traffic services operators are being cross-trained, and the two jobs are now in the process of being merged into one new job called "Marine Communications and Traffic Services", or MCTS.

VCS was the largest and busiest CG radio station in the country. But no longer. There will be NO HF at all at VCS after Oct 1, 1996. The station isn't scheduled to be "co-located" until maybe December 1997, but that's still uncertain. The upshot is the Canadian Coast Guard is getting out of shortwave services completely. However, I really have no idea what's going on at Vancouver CG Radio/VAI, or with the couple of Arctic stations that have some shortwave frequencies. I suspect they will also be losing them. The Dartmouth location will have VHF and MF R/T ONLY. Nothing else. No HF R/T, no CW, no RTTY.

We've been "downsized" considerably. When I started at VCS in 1983 the usual day shift consisted of seven operators, one supervisor and two or three landline telex operators, plus station manager, technical staff, etc. Evening shift was five or six operators, one supervisor, two telex operators. Midnight shift was three operators, one supervisor, one or two telex operators.

Since then things have changed drastically, until now, in 1996, at no time are we required to have more than two operators on ANY shift, and no supervisor is on the station between 2330 and 0730 local time. From seven operators to two. And at the moment, at least until October, these two operators still do all MF, HF and VHF R/T, MF and HF CW, RTTY...everything, including what used to be considered supervisor duties, like routing message traffic, answering telephones, making sure the computer server is still running, etc., etc., etc. In 1983 there were between 27 and 30 operators at VCS. There are now 10.

As the person who answers listeners' correspondence for VCS, let me tell you, I will probably only have to answer 1 or 2 reception reports per year after this goes into effect, as I rarely get reception reports for anything except our HF transmissions and broadcasts.

Also, recently Charlottetown CG Radio/VCA closed completely. Some of their VHF frequencies were shifted to Sydney CG Radio/VCO, and some of Sydney's VHF peripherals were shifted to Halifax/VCS. VCS now has remote-controlled VHF sites at Fox Island, NS, which is at the extreme eastern end of mainland Nova Scotia, and at Kingsburg, about 50 nautical miles west of the station, and we now have continuous marine broadcast transmission from Sable Island on VHF channel 83B.

Yarmouth CG Radio/VAU is scheduled to be closed, and "co-located" with Fundy Traffic, in my hometown of Saint John, New Brunswick. Things are changing rapidly in the Canadian Coast Guard, especially since the merger with the Department of Fisheries and Oceans in April of 1995.

WUNners might also be interested to note that the Canadian Coast Guard Ship Henry Larsen/CGHL has recently sailed from the coast guard base in Dartmouth, headed for the arctic. Their radio operator is one of the fellows from VCS, who has been "borrowed" for the voyage, expected to last about 6 weeks. Perhaps you'll hear CGHL on HF R/T and CW working VCS... while it still can!

Looks like QSL'ing VCS better take place soon too!

++++++ US maritime coast stations - change of ownership.

There has been interesting exchanges posted in WUN relating to US coast stations.
Robert Thompson advised recently logging Seattle Radio/KLB on arq channel 408 [4214/4176]. Station ID nr is 1113 [selcal XXXK]. Dick Dillman then chipped in with "For those who may not be familiar with this station, KLB is quite interesting. It's a one-man operation and the transmitters are all home brew. It's hard to find but I visited there a couple of years ago. I thought they'd be QRT soon so I'm always relieved to hear their CW marker still going strong." To which was added the news from Rory Davis that both Seattle Radio/KLB and Tuckerton/WSC have been recently bought by Mobile Radio/WLO. Dick replied and poses some questions "I didn't know that. I've visited WSC too and, while not a one man operation, it was more like a ham station than a coast station. Are they remotely controlled from WLO or are there still operators there? And I don't think WSC had SITOR when I was there. Has that changed?" [My current info is that WSC is CW service only - Day.] "I understand WSC and KLB are remotely controlled, though that pretty much all I know." (says Rory). [Taking into account the locations of WLO/WSC/KLB wouldn't be surprised if WLO were to invest in some plant at WSC/KLB to counter the competition from the Globe network of stations - Day]. And having mentioned Globe Rory advises us that they (Globe) have, (pending FCC paperwork) acquired the licenses for KPH (San Francisco Radio) and WCC (Chatham Radio). The next couple of months should provide some interesting changes.

Saint Petersburg Radio/UGC 3sc ship press. I've logged an approximately half-hour 3sc press transmission from UGC on 8677.5 kHz on Saturdays but not Sundays at 1515z. The mode is fec and not heard on any other of UGC's known frequencies. I assumed that it was also sent on weekdays but a recent day's sickleave gave me the opportunity to check. Wednesday - no transmission. Looks like Saturday only on one frequency.

CW practice
For those of you who want to improve your basic speed try using the NAVAREA III broadcast from Spanish Navy Madrid/EBA on 17018 at 1620z. The speed is 17 wpm. After 10 mins of ID marker the navigation warnings are sent in English then repeated in Spanish. Try 4261, 6388, 8528.5, 13059 as parallel frequencies but I haven't checked these for over two years.

Maritime related Web addresses
Cruise Lines
Harold Woering found in an issue of Internet World magazine a neat information source. It's a travel agent type site but there is some useful information - which Cruise Lines have which ships and to which part of the world they sail. The site is http://www.cruiseweb.com

Fairplay Publications
Thanks to Simon Gladwell (Fairplay Publications) for his post to the SHIPs mailing list. Look at http://www.fairplay-publications.co.uk where one finds a ships and address database.

LLP Lloyds of London Press
Paul Marr (SHIPs listserver) found that LLP (formerly Lloyd's of London Press, Inc.) has setup their own website. http://www.llplimited.com

Navy League of the United States
Their new home page is http://www.navyleague.org was supplied by Robert Pagina 569
Kesteloot on the SHIPs mailing list. He tells us "The Navy League of the United States has been a faithful supporter and advocate of the basic premise that America must possess a robust merchant marine for reasons of national, economic, and environmental security and must nurture the maritime industrial base essential to its continued existence. Not surprising, the Navy League is dedicated to strengthening American seapower in all its forms including the U.S. Navy, the U.S. Coast Guard, the U.S. Marine Corps plus the U.S.-flag Merchant Marine."

++++++ GMDSS

With the movement towards the full implementation of the GMDSS regulations on 1 Feb 1999 I'm interested in two points and would appreciate anyone with info emailing me directly.

1) Other than HOKA Code3/Code30 (I already have the GMDSS option) do any of you have/have knowledge of a GMDSS option on other decoders. If you have some sample files copies would be appreciated.

2) Knowledge of any coaststation which has implemented Digital Selective Calling for other than distress/safety calling and on which channels.

United Arab Emirates is updating what has hitherto been a badly served area of coast line with a Norwegian Garex 220 advanced coastal radio system. Installation is expected to be completed by the end of the year. It is reported to consist of a master station at Abu Dhabi with a further eight remote sites on the coast/offshore islands handling distress/safety calls and normal traffic working in the Persian Gulf and the Arabian Sea.

The UK Government has announced that it is to install a similar GMDSS system at HM Coastguard stations around the UK coast.

(Thanks to Sea Breezes for the info in these last two paragraphs).

++++++

That about winds it up for this month. I trust you may have found something of interest. If there is a topic which might lead to a few interesting paragraphs drop me your email with your info or queries and I'll see what can be done.

For the moment good listening and fat logbooks - 73s Day.

===========================================================================

THE QSL REPORT

Editor: Martin C. Barry <martin.barry@medspec.com>
6875 Fielding #02
Montreal (Quebec)
Canada H4V 1P3

STATION/VERIF/CALL/FREQ/MODE/TYPE QSL/NO.DAYS/REMARKS/CONTRIBUTOR

FIXED STATIONS
USN-MARS/NNNÖHLQ 14470.0 USB PFC 7 ds shore station, QSL (MK)
MARS/NNNÖSNW 14441.5 USB PFC 6 ds FL shore sta, QSL (MR)
MARS/NNNÖKRQ 14441.5 USB PFC 10 ds OH shore sta, QSL (MR)
MARS/NNNÖUTO 14467.0 USB PFC 7 ds WA shore sta, QSL (MR)
Taipei Meteo/BMB 8117.0 USB CRD 126 ds 2 follow-ups (HS)
NTA Beacon Sveio/LN2A 10407.0 CW CRD 257 ds card no. 13 (HS)

MILITARY/COAST GUARD SHIPS
USS Thomas S. Gates CG-51/NTSG 7535.0 USB PFC 13 ds 3-inch decal (MK)
USS Detroit AOE-4/NDWQ 7535.0 USB PFC 43 ds veri unsigned (MK)
USCGC Gallatin-MARS 14470.0 USB PFC 40 ds (MK)
USCGC Confidence-MARS/NNNÖNXZ 14441.5 USB PFC 17 ds Telecom Spec Turner (MR)

MILITARY/GOVERNMENT AIRCRAFT
Skier 46 #40666 11175.0 USB PFC 6 ds C130-H (MK)
USCG Rescue 1712 5696.0 USB PFC 32 ds L.O. Benton LTCDR (MR)

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WUN-v02

Royal Navy Flt./Navy 177 5680.0 USB PFC 43 ds +sticker, info (HS)

CIVIL AIRCRAFT

APR 8700/OO-LTJ 5658.0 USB PFC 176 ds 737-300 EuroBelgian (TO)
KLM 579/PH-AGK 6335.0 USB LTR 56 ds A-310 (TO)
Air Van 51/VH-TJII 8867.0 USB PFC 67 ds 737-400 Air Vanuatu (TO)
Zimbabwe 724/2-WPE 8903.0 USB PFC 33 ds 767-200ER (TO)
Speedbird 212/G-BNNG 2872.0 USB PFC 23 ds 767-300ER (TO)
Mauritius 750/3B-NAK 5658.0 USB PFC 38 ds 767-200ER (TO)
Air France 002 8930.0 USB PFC 9 ds Concorde (HS)

MARITIME/NAVAL/COAST GUARD STATIONS

USCG COMMSTA Boston/NMF 6340.5 FAX PFC 8 ds ltr + QSL (MR)
USCG COMMSTA Toulon/SMR 5696.0 USB PFC 11 ds SAR veri (MR)
Monaco Radio/3AC 8728.0 USB CRD 11 ds (HS)
French Navy Brest/FUE 2789.0 RTT LTR 16 ds (HS)
French Navy Toulon/FUO 6385.0 RTT LTR 11 ds +sticker (HS)
NLCG Ijmuiden Rescue/PBK 2182.0 USB PFC 11 ds +letter (HS)
Jakarta Radio/PKX 17239.7 CW LTR 73 ds (HS)
Palo Alto Radio/KFS 12695.5 CW CRD 60 ds +booklet, info (HS)

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*** THE LITTLE BLACK BOOK ***

HENNING SANDTE (HSandte@thonline.de) of Burgdorf, Germany sends along the following station addresses:

French Navy Toulon/FUO Navy 177 / Rescue 177
Marine Nationale 819 Naval Air Squadron
Region Maritime Mediterranee Royal Naval Air Station Prestwick
Service Transmission et HMS Gannet
Informatique Regional Monkton
F-83800 Toulon-Naval Ayrshire KA9 2RZ
France Scotland
United Kingdom

Radio Beacon LN2A
Norwegian Telecommunications Authority
Att.: AYO/TF
P.O. Box 447 Sentrum
N-0104 Oslo
Norway
E-mail: ayumu.ohta@nta.telemax.no

MIKE RIVKIN of Pomona, NY gets the cigar this month for most QSL's: a total of eight, and a first-timer at that! Mike's listening post includes an NRD-535D receiver with an RF Systems passive vertical antenna, an Icom R-390A backup, Hoka 3 for digital decoding, and AEAFAX3 for fax reception. "I would like to try and QSL more military a/c," says Mike, "and was wondering do you have to have a tail number in order to get a reply?" Seemingly not, you do need to know where the aircraft's home unit is located. If anybody's got a more definite answer than that, Mike can be reached at:
kirkster@worldnet.att.net

STEVE MCDONALD passed along some information recently from HANK HOL-BROOK of interest to maritime QSL'ers. It comes from Radio Electronics Officer RICH MONJURE, aboard the M/V AMBASSADOR / KRFK: "...If I get any reports I will make a nice special edition QSL card for the SWL's... can use the following address for their reports: P.O. Box 350052, Ft. Lauderdale, FL 33335...

I send CW tfc to WNU and WLO usually between 1700 and 1730 UTC. I make my initial call on one of the following frequencies:

8367 12551 16735
8367.5 12551.5 16735.5
8368 12552 16736

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"...I usually wind up using either 8 or 12 mc/s, but sometimes 16 mc/s. My ship still sails in the Caribbean." As Steve points out, this is a rather unique opportunity for QSL'ers as there aren't many U.S. ships left that still pound brass. We might add, too, that by reference to mc/s, we are not exactly dealing with somebody born yesterday, either...

J.D. STEPHENS a while back sent off a reception report to Offutt AFB using an old address. Somehow, he says, one of his follow-ups got forwarded to the correct one, which is:

Department of the Air Force
Detachment 1
755th Communications Squadron (ACC)
21011 Rainwood Road
Elkhorn, NE
68022

"According to the letter, the station is actually located about 35 miles away from Offutt AFB. The verification signer was CNSgt Robert G. Arndt, Detachment Chief."

J.D. also reports more good news concerning WLC-ROGERS CITY RADIO. He is among the first of recent QSL'ers to receive a QSL card and information sheets, verifying reception of the Great Lakes relay station, "for a second follow-up report sent via Fax. After 2 written reports, the fax report got quick results." So in reference to the discussion in a previous WUN about whether or not they welcome and will answer reception reports sent via Fax - it seems that the answer is a resounding 'Yes' at least in the case of WLC. He adds that WLC has "their own very attractive QSL card," so you might think about holding on to your own PFC's.

J.D. wants to know if in the future, information sent to and published here in the QSL Report could also include the names of verification signers. "There have been quite a few instances where someone had reported a verification from a station from which I am still seeking a verification, and a contact name at the station would be invaluable. As anyone who has chased QSL's for any length of time knows, having a specific person's name to whom you can direct your reception report can make all the difference in receiving a verification." Point taken, J.D. Beginning with this Report, names of verification signers that are forwarded to us are included in the 'remarks' field.

Mint stamp and DX supplies dealer WILLIAM J. PLUM came out with a handy little publication last May. "Foreign Airmail Postage for Successful QSL'ing" offers advice to SWL's on how to get the most out of the hobby using foreign airmail postage and return envelopes, plus helpful hints and tricks from Broadcast DX'ers who report a 90% QSL return rate. The cost is $5.00 (+ $2.00 P&H). 12 Glenn Road, Flemington, NJ 08822-3322. Phone: (908) 788-1020. Fax: (908) 782-2612.

Addresses:

This one for MARS
USCGC Confidence might be worth checking out:

USCG Group
Port Angeles, WA
98362

And this for USCG COMMSTA Boston/NMF:

900 Ferry St.
Marshfield, MA
02050-1800

# # #

// Future Bleak for St-Lys R. //

According to a document recently uploaded by BOB MARGOLIS to the WUN server from a French web site, it seems the fate of maritime station St-Lys Pagina 572
Radio is almost certain. It claims that since by 1999 all vessels must be equipped with satellite communications gear, France Telecom will be closing its HF site in the village of St-Lys.

St-Lys Radio was created in 1948 and is the only large-scale HF radio-telecommunications site in France that relays voice, telex and CW traffic to vessels anywhere in the world. While the network's transmitting site is not actually adjacent to the sea, it was originally chosen during WWII as it fell within the French free zone, and certain geographical characteristics made it suitable to shortwave radio transmission.

With all this in mind, those who have never QSL'd St-Lys might very seriously consider doing it now -- or never. And to facilitate that task, I hereby include the text of a reception report that I submitted to St-Lys several months ago (the result of which was a QSL):

Le 28 Fevrier, 1996
France Telecom
Service Commercial Radio Maritime
Centre Radiomaritime de Saint Lys
Le Chef de Centre
F-31470 Saint-Lys
France

Reference: St-Lys Radio Canal #830

Cher Monsieur:

Je vous ecrit cette lettre pour rapporter le fait d'avoir captee recemment une transmission de Radio St-Lys.

Cette transmission etait sur la frequence 8806.0 kHz USB a 21:15 hrs UTC, durant laquelle un contact etait effectue avec le vaisseau African Queen.

Je vous signale ces faits car je suis amateur de radio courtes-ondes et je collectione des cartes de verification provenant de stations haute-frequence comme la votre.

Je vous serais tres reconnaissant de completer la carte formule (PFC) ci-incluse avec quelques details sur St-Lys et de me la retourner dans l'enveloppe accompagnatrice. Il se peut que St-Lys possede sa propre carte de verification radiophonique (QSL), or je vous serais egalement reconnaissant de la recevoir. J'inclus avec cette correspondance une etiquette a endos collant sur laquelle est inscris mon adresse de retour, et quelques especes en devises americaines pour defrayer les couts postaux.

Je vous remercie de votre attention.

(signed)

There you have it. All you need to do is make changes for frequencies, times, channel numbers and vessel names. Note, too, that the end of the last paragraph mentions an enclosure of 'green stamps' (devises americaines), which you may or may not want to go along with.

And while we're on the topic of foreign-language reception reports, if there's anyone out there who has versions of cover-letters in languages other than English, it'd be great to share them with other QSL'ers, and facilitate the task of getting veris from non-English stations.

Until the next time, good QSL'ing and ZKJ.

Thanks to this month's contributors:
(MK) Mark Kirkster, USA
(To) Tony Orr, USA
(MR) Michael Rivkin, USA
(HS) Henning Sandte, Germany

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Pagina 573
RADIO ON AUDIO

Well, here we are again, friends, with another edition of the column dedicated to spectrum's lowest, but certainly not least, end. It's been very quiet lately, and I don't mean the band. We haven't had much in the way of contributions to the column, and so we remained silent. I trust that those who owe me stuff are busy writing, and the rest of you are wringing your minds for some good article ideas. Just remember that the column purports to be a forum for all WUNers brave enough to venture into the depths of radio's basement band. We desire to hear from you, with your news, happenings, experiences, discoveries, successes, and not-so-successes in your travels towards the DC end.

This month, I am thrilled to present to you an article on a band too low even for some longwavers: The "audio" band! The frequencies that lie below the coverage of your average receiver, possess a surprising secret: Signals made by the earth itself! In the audio zone, these signals don't really need any type of demodulation. They can be simply received, amplified, filtered and listened to!

To introduce the WUN readers to this fascinating part of the spectrum, we have an article which was written by Steve McGreevy, who is an authority in this part of the spectrum, and forwarded to the column by Ary Boender. It is reprinted with kind permission of the author who has a page where a link to the WHistler Serenade VLF story and also Gail West's story can be found now. It is: http://www.netcom.com/~spmcgrvy/index.html

Here, then, is part 1 of this fascinating article. Enjoy!

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'A WHISTLER SERENADE'
(Part 1 of 3)

A LISTENER'S STORY ABOUT ELF/VLF "NATURAL RADIO"
EMISSIONS OF EARTH IN THE 0.1 TO 10 KHZ FREQUENCIES

By Stephen P. McGreevy
(spmcgrvy@ix.netcom.com or s.mcgreevy@genie.geis.com)

Few people know of (and even less people have been fortunate enough or had the gumption to tune into) the beautiful radio "music" produced naturally by several processes of nature including lightning storms and aurora, aided by events occurring on the Sun. I have been fascinated with listening to naturally-occurring radio signals since about the middle of 1989, hearing my first whistlers almost immediately after first trying out a rudimentary receiving apparatus I had put together for the occasion.

Whistlers, one of the more frequent natural radio emissions to be heard, are just one of many natural radio "sounds" the Earth produces at all times in one form or another, and these signals have caught the interest and fascination of a small but growing number of hobby listeners and professional researchers for the past four decades.

"Natural Radio," a term coined in the late 1980's by California amateur listener and researcher Michael Mideke, describes naturally-occurring electromagnetic (radio) signals emanating from lightning storms, aurora (The Northern and Southern Lights), and Earth's magnetic-field (the magnetosphere). The majority of Earth's natural radio emissions occur in the extremely-low-frequency and very-low-frequency (ELF/VLF) radio spectrum.
specifically, at AUDIO frequencies between approximately 100 to 10,000 cycles-per second (0.1-10 kHz). Unlike sound waves which are vibrations of air molecules that our ears are sensitive to, natural radio waves are vibrations of electric and magnetic energy (radio waves) which though occurring at the same frequencies as sound cannot be listened to without a fairly simple radio receiver to convert the natural radio signals directly into sound.

Whistlers are magnificent sounding bursts of ELF/VLF radio energy initiated by lightning strikes which "fall" in pitch. A whistler, as heard in the audio output from a VLF "whistler receiver," generally falls lower in pitch, from as high as the middle-to-upper frequency range of our hearing downward to a low pitch of a couple hundred cycles-per-second (Hz). Measured in frequency terms, a whistler can begin at over 10,000 Hz and fall to less than 200 Hz, though the majority are heard from 6,000 down to 500 Hz. Whistlers can tell scientists a great deal of the space environment between the Sun and the Earth and also about Earth's magnetosphere.

The causes of whistlers are generally well known today though not yet completely understood. What is clear is that whistlers owe their existence to lightning storms. Lightning stroke energy happens at all electromagnetic frequencies simultaneously that is, from "DC to Light." Indeed, the Earth is literally bathed in lightning-stroke radio energy from an estimated 1,500 to 2,000 lightning storms in progress at any given time, triggering over a million lightning strikes daily. The total energy output of lightning storms far exceeds the combined power output of all man-made radio signals and electric power generated from power plants. Whistlers also owe their existence to Earth's magnetic field (magnetosphere), which surrounds the planet like an enormous glove, and also to the Sun. Streaming from the Sun is the Solar Wind, which consists of energy and charged particles, called ions. And so, the combination of the Sun's Solar Wind, the Earth's magnetic field surrounding the entire Planet (magnetosphere), and lightning storms all interact to create the intriguing sounds of whistlers.

How whistlers happen from this combination of natural solar-terrestrial forces is (briefly) as follows: some of the radio energy bursts from lightning strokes travel into space beyond Earth's ionosphere layers and into the magnetosphere, where they follow approximately the lines-of-force of the Earth's magnetic field to the opposite polar hemisphere along "ducts" formed by ions streaming toward Earth from the Sun's Solar Wind. Solar Wind ions get trapped in and aligned with Earth's magnetic field. As the lightning energy travels along a field-aligned duct, its radio frequencies become spread out (dispersed) in a similar fashion to light shining into a glass prism. The higher radio frequencies arrive before the lower frequencies, resulting in a downward falling tone of varying purity.

In this manner, a whistler will be heard many thousands of miles from its initiating lightning stroke and in the opposite polar hemisphere! Lightning storms in British Columbia and Alaska may produce whistlers that are heard in New Zealand. Likewise, lightning storms in eastern North America may produce whistlers that are heard in southern Argentina or even Antarctica. Even more remarkably, whistler energy can also be "bounced back" through the magnetosphere near or not-so-near the lightning storm from which it was born! There will be additional discussion of this "theory of whistlers" in the next few pages.

Considered my many listeners to be the "Music of Earth," whistlers are amongst the accidental discoveries of science. In the late 19th century, European long-distance telegraph and telephone operators were the first people to hear whistlers. The long telegraph wires often picked up the snapping and crackling of lightning storms, which was mixed with the Morse code "buzzes" or voice audio from the sending station. Sometimes, the telephone operators also heard strange whistling tones in the background. They were attributed to problems in the wires and connections of the telegraph system and disregarded. The first written report of this phenomenon dates back to 1886 in Austria, when whistlers were heard on a 22-km (14 mile) telephone wire without amplification. A paper by W.H.
Preece (1894) appearing in Nature Magazine describes operators at the British Government Post Office who listened to telephone receivers connected to telegraph wires during a display of aurora borealis on March 30 & 31, 1894. Their descriptions suggest they heard whistlers and the "bubbling/murmuring" sounds of "Chorus" from aurora. During World War I, the Germans and Allied forces both employed sensitive audio-amplifiers to eavesdrop on the enemy's telephone communications. Metal stakes were driven into the ground next to enemy telephone wires and were connected to tube-type high-gain amplifiers, whereby the audio signal in the telephone wires could be eavesdropped. This early form of electronic espionage worked fairly well most of the time, despite the bubbling and crackling background noise made by lightning but not always. On some days, the telephone conversations they were eavesdropping on were partially or wholly drowned out by strange whistling sounds. Soldiers at the front would say, "you can hear the grenades fly." These whistling sounds, described as sounding almost like "piou," were at first attributed to the audio amplifiers' circuitry reacting adversely to strong lightning discharge noises. When laboratory tests on the high-gain audio amplifiers failed to recreate the whistling sounds, the phenomena was then considered "unexplainable" at that time. (H. Barkhausen, 1919).

In 1925, T. S. Eckersly of the Marconi Wireless Telegraph Company in England, described disturbances of a musical nature that had been known to "radio" engineers for many years. They were heard when a telephone or any other "audio-recorder" system was connected to a large aerial. What they were hearing are now known as "tweeks," a common ringing and pinging sound that lightning discharge radio energy (sferics) atmospherics sound like at night with a VLF receiver or audio amplifier. Several people began to observe how lightning and auroral displays coincided with many of the strange sounds they were hearing with their audio apparatus (Barkhausen, Burton, Boardman, Eckersly, et al.). In the 1930's, the relationship of whistlers and lightning discharges was hypothesized, and in 1935, Eckersly arrived at the commonly accepted explanation that lightning initiated radio waves traveling into Earth's "ionosphere" caused these tweek sounds. They were getting "close."

Interest in whistlers waned during World War II but was renewed with the development of sound spectrographs and spectrum analyzers, which could trace the time-versus-frequency component of audio sounds. This technology was developed mainly for the study of the sound characteristics of speech and other sounds, but these also were fine tools for the exploration of whistlers, as well (R. K. Potter, 1951).

It was during this time that L.R.O. Story in Cambridge, England, had begun an in-depth investigation into the nature and origin of whistlers. Armed with information presented by Barkhausen, Boardman, et al., a homemade spectrum analyzer and other audio-frequency radio equipment, Storey studied whistlers in earnest, discovering several types of whistlers that were or were not audibly associated with lightning discharge "clicks" in the receiver. He was able to make graphs of many kinds of whistlers, forming the basis of the modern "magneto-ionic" theory of their origin, and also the effects of Earth's magnetic storms on whistlers.

Storey's conclusion that whistlers were formed by lightning discharge energy echoing back and forth along the lines-of-force of earth's magnetic field suggested that there was a much higher than expected ion density in the outer ionosphere and beyond, and that the source of this "extra" ionization was linked to the sun. He also (correctly) presumed these ions from the sun also were responsible for magnetic storms and auroral displays.

Storey, while mainly concentrating on whistlers, was able to hear and categorize a number of other audio-frequency emissions that he heard, including Dawn Chorus, steady hiss, and certain "rising whistlers," also known as "risers". Story's studies throughout the early-to-mid 1950's made an important contribution to whistler theory by showing that whistlers travel very nearly in the direction of Earth's magnetic field. In 1952, the results of Storey's work were presented by J. A. Radcliffe to the 10th General Assembly of the URSI held in Sydney Australia, exciting considera

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able interest among the delegates in attendance. Radcliffe’s report greatly stimulated whistler research at Stanford University, headed by the “Father of Whistler Research,” R. A. Helliwell.

In 1954 at the next URSI General Assembly held in the Hague (Netherlands), whistler theory was discussed in depth, and plans were devised to study whistlers at opposite "conjugate" points of Earth’s magnetic field. Lightning storm atmospherics observed in one hemisphere were heard as "short whistlers" (1-hop whistlers) in the opposite hemisphere. This notable observation was conducted by Helliwell at Stanford in California and aboard the U.S.S. Atka located in the South Pacific near the opposite magnetic conjugate point. Lightning storms generating atmospheric static "pops" as heard in the ship’s onboard VLF receivers were heard nearly simultaneously in Stanford as short whistlers. Even more verification of Storey's whistler was confirmed by the observation of whistler "echo trains" simultaneously heard in Alaska and in Wellington, New Zealand, which lies at the opposite magnetic conjugate from Alaska.

With this generalized history of whistler discovery and research in mind, I should pause this history lesson and now explain whistler theory in somewhat greater detail. The generally accepted theory of whistlers (Storey, Morgan, Helliwell) is as follows (the following few paragraphs are taken directly from the text of my WR-3 "Whistler Receiver" Listening Guide and repeat some information presented earlier in this article as well as hopefully making clearer some terms I’ve been tossing about):

The Earth’s outer magnetic field (the “magnetosphere”) envelopes the Earth in an elongated doughnut shape with its "hole" at the north and south magnetic poles. The magnetosphere is compressed on the side facing the Sun and trails into a comet-like "tail" on the side away from the Sun because of the "Solar Wind" which consists of energy and particles emitted from the Sun and "blown" toward Earth and the other planets via the Solar Wind. Earth’s magnetosphere catches harmful electrically charged particles and cosmic rays from the Sun and protects life on Earth’s surface from this lethal radiation. Among the charged particles caught in the magnetosphere are ions (electrically charged particles), which collect and align along the magnetic field "lines" stretching between the north and south magnetic poles.

These magnetic-field aligned ions bombarding Earth’s magnetosphere form "ducts" which can channel lightning-stroke electromagnetic impulse energy. Whistlers result when an electromagnetic impulse (sferic) from a lightning-stroke enters into one of these ion-ducts formed along the magnetic lines of force, and is arced out into space and then to the far-end of the magneto-ionic duct channel in the opposite hemisphere (called the opposite "magnetic conjugate"), where it is heard as a quick falling/descending emission of pure note tone or maybe as a brief 'swish' sound. Whistlers sound the way they do because the higher frequencies of the lightning-stroke radio energy travel faster in the duct and thus arrive before the lower frequencies in a process researchers call "dispersion." A person listening with a VLF receiver like the WR-3 in the opposite hemisphere to the lightning stroke (at the far end of the Magnetospheric duct path) will hear this "short" or "1-hop" falling note whistler. One-hop whistlers are generally about 1/3 of a second to 1 second in duration.

If the energy of the initial short/1-hop whistler gets reflected back into the magneto-ionic duct to return near the point of the originating lightning impulse, a listener there with a VLF receiver will hear a "pop" from the lightning stroke impulse, then roughly 1 to 2 seconds later, the falling note sound of a whistler, now called a "long" or
"2-hop" whistler. Two-hop whistlers are generally about 1-4 seconds in duration depending on the distance the whistler energy has traveled within the magnetosphere. One-hop whistlers are usually higher pitched than two-hop whistlers.

The energy of the originating lightning stroke may make several "hops" back and forth between the northern and southern hemispheres during its travel along the Earth's magnetic field lines-of-force in the magnetosphere. Researchers of whistlers have also observed that the magnetosphere seems to amplify and sustain the initial lightning impulse energy, enabling such "multi-hop" whistlers to occur, creating long "echo trains" in the receiver output which sound spectacular! Each echo is proportionally longer and slower in its downward sweeping pitch and is also progressively weaker.

Conditions in the magnetosphere must be favorable for multi-hop whistler echoes to be heard. Using special receiving equipment and spectrographs, whistler researchers have documented over 100 echoes from particularly strong whistlers--imagine how much distance the energy from the 100th echo has travelled--certainly millions of miles! Generally, only one to two echoes are heard if they are occurring, but under exceptional conditions, long "trains" of echoes will blend into a collage of slowly descending notes and can even merge into coherent tones on a single frequency, hard to describe here, but quite unlike any familiar sounds usually heard outside of a science-fiction movie!

Back to the history of whistler research. Plans for studying whistlers, chorus, and other audio-frequency natural radio phenomena were formulated by Dr. J. G. Morgan of the University of New Hampshire in Hanover as well as Dr. Helliwell at Stanford, for the International Geophysical Year which would begin in 1957. Over 50 receiving stations were set up at many locations all over the globe, including remote locations in northern Canada, Alaska, Europe including Scandinavia, and even Antarctica. This period was the beginning of the most intensive professional study of whistlers ever. In the early 1960's, a couple of satellites (IEEE-1, Injun, Allouette) destined for low Earth Orbit were outfitted with VLF receivers. These satellite-based VLF radio receivers successfully recorded whistlers, and greatly enhanced scientific knowledge of natural VLF radio emissions. During the 1970's, space probes, such as Pioneer and Voyager, would discover whistlers happening on other planets of our Solar System, such as Jupiter and Saturn, which both have enormous and powerful magnetospheres. These Gas Giants also have huge magnetospheres and their own polar aurora as well.

The 1980's saw increasing hobbyist and amateur observations of whistlers, thanks to the increasingly easy availability of solid-state electronic parts and VLF receiver construction articles and notes. By 1985, whistler articles and receiver designs would appear in several electronic and radio hobbyist magazines, and also radio club bulletins most notably the Longwave Club of America's monthly bulletin, THE LOWDOWN. Several LWCA members including Michael Mideke, Mitchell Lee, Ev Pascal, Ken Cornell, and others, would publish and or design and use their own successful whistler receiver versions. These hobbyist whistler receivers tended to use small loop or wire antennas, unlike the "professional" VLF receivers used during the late 50's and early 1960's, which used very large loop and/or tall vertical "pole" antennas.

One radio "mentor" who sparked my fascination with whistlers and Natural Radio is a gentleman named Michael Mideke, who has been an avid enthusiast involved in various esoteric radio (and non-radio) pursuits since the early 1970's. Mike taught me quite a considerable amount of knowledge about longwave radio receiving and transmitting experimentation at radio frequencies much higher than Natural Radio, and he himself began regularly
monitoring Natural Radio about the middle of 1988, more than a year before I would hear my first whistler in the Oregon desert. For the past 25 years, Mike, his wife Elea, and two sons lived as caretakers on a large ranch in a remote central California canyon, far from electric powerlines. Here, Mike was able to string out antenna wires over thousands of feet in length and running in several different compass directions, and connect them to his plethora of radio receivers. His remote, electrically-quiet location was also ideal for listening to whistlers. Over the years, Mike has also made many hundreds of hours of recordings of amazing radio sounds of the Earth. He was particularly fortunate to be able to monitor 24 hours a day during the height of the sunspot cycle from 1989-1991 when solar activity, geomagnetic disturbances, and whistlers were most numerous. Mike also passed along the results of his own receiver experimentation, thus positively influencing my own receiver experimentation. In late summer of 1990, I began experimenting with whistler receivers employing short whip antennas no longer than 5 to 6 feet in length. These "whip receivers" successfully monitored whistler activity, though my earliest versions lacked sensitivity. I must credit the original idea of using a short whip antenna to a longtime close friend and fellow whistler enthusiast, Gail West, who lives in Santa Rosa, California and has accompanied me on many of my road trips and whistler listening expeditions. Gail repeatedly witnessed my frustration with stringing out unwieldy wire antennas, and on one particular morning (summer 1989) in the northern Nevada desert, commented "it sure would be nice to use just a small whip antenna rather than long wires for a whistler receiver antenna." Also, while on a solo listening session in the hills of Marin County, California in February 1990, I heard a strong whistler howl from the tape recorder's speaker with nearly all but about 10 feet of antenna wire rolled back onto the spool. This experience reminded me of Gail's idea and made the whip antenna idea seem more plausible. While the idea of a hand held whistler receiver seemed somewhat wishful thinking early on in my experimentation with whistler receivers it would become reality in just over two years of whistler listening and receiver tinkering.

Increasingly better and more sensitive yet simpler whip antenna whistler receivers were continuously devised on my workbench. On a beautiful spring morning in May 1991 while hiking on a trail in the mountains east of San Diego with friend Frank Cathell of Conversion Research, I demonstrated my BBB-2 whip antenna whistler receiver. Frank was so fascinated with this receiver that he jumped on the bandwagon, and by August 1991 after a furious 3 months' of receiver tinkering, Frank and I created a sensitive battery-powered whistler receiver that required only a small 33-inch antenna, was cigarette pack sized and very portable, called the "WR-3," and we shortly began selling this new pocket receiver on a casual basis. The WR-3 opened up whistler monitoring to practically everyone—even non-technical people willing to at least undertake the effort of finding a reasonably powerline "hum" free location where whistlers and other natural VLF radio phenomena could then be listened to and enjoyed as easily as listening to regular broadcast radio. At this point thanks to the WR-3, whistlers and lightning sferics were very easy to hear now it was just up to Mother Nature to put on a show.

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We will continue with part 2 of Steve's fascinating article next time.
If you are on the Web, you can find some great samples of recorded whistlers on Steve's web pages, at http://wwww.physic.uiowa.edu/mcgreevy/
Among all kinds of information, Steve has placed a number of zipped sound files for you to download and hear. Check it out!
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A belated, but very sincere thanks to Kevin Carey, WB2QMY, the well-known longwave columnist of Monitoring Times, for mentioning our little effort, and WUN in general ("Below 500 kHz" column, June 1996 Monitoring Times). In fact, his column contains a whole list of longwave-related resources on the Internet, something that I had wanted to do in this column also. Thanks again, Kevin.
To all those who have written to me, but had no reply, I say, please be
patient. Life has been very busy for me lately, and the Internet had to take
the back seat. I will respond to all of you very soon!

That's it for now, radio friends. Until next time,

73 es gud DX, de
George, N2OWO

===========================================================================
# UTILITY ROUNDUP #
[ editor: Ary Boender ary@bitbike.com 2:283/512.24 ]

Howdy folks, most of this month's space is occupied by the second article
written by Angelo Brunero. Should you have anything that you wanna share
with WUN please don't hesitate to write. Visited a ute station lately?

Tell us all about it! Read an interesting article? Gimme a copy! Heard
a special or weird station? Let us know!

Come on people, we have over 1000 members and I received info from only 2
(TWO) of you. You ought to be a little ashamed of yourself! Yes, I really
mean it.... Remember, the newsletter is FOR members BY members. Not one of
the editors can fill his column every month without your continuous support.

So don't let us down. Thanks for listening :-) Enjoy! -Ary-

News

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o Most members in the USA and Canada probably know what a LOWFER is. These
Low Frequency Experimental Stations are around for many years. New Zealand
has also special low frequency stations in the range 165-190 kHz. Most of
them can be found around 181 kHz though. Some permits have been issued in
Australia and Papua New Guinea as well. Now also the UK joined the LOWFER
ranks with the allocation at 73 kHz with 2.8 kHz bandwith, so the actual
range is 71.6-74.4 kHz. The output is 1 Watt max. and all modes, except
FSTV, are allowed. Although the stations on these frequencies are no real
utility stations, I think they form a new challenge for many LW dxers.

Good hunting and let me know what you catch! <source Alan Gale>

o There is a new TIS station on the air at Chicago o'Hare Intl Airport.
Check 870 kHz when you are around.

o Super shack.

What radio equipment can you find aboard the Dutch M-Frigates? A dxer's
dream, believe me. An APECS II integrated Early Warning system, Link II
and ESI SHF satcom systems, 4 HF/MF wideband low-power transmitters, 2 HF
narrowband high-power transmitters, a LF/MF/HF receiving system, 8 UHF
transceivers, and a MF emergency transceiver. Then the antenna farm: 4 HF
wideband antennas, 2 HF narrow-band antennas, 6 HF low wideband andtennas,
an UHF combined antenna / APECS II omni, a couple of APECS II monopulse
receive antennas, a MF wire antenna, a GPS antenna, and a couple of VLF/
LF/MF/HF receive antennas. Wow, isn't that a super shack?

THE INVENTION OF THE RADIO

Authors: Angelo Brunero (IK1QLD) & Andrea Borgnino (IW1CXZ)
Translation: Andrea Valori (IK1QFT)
Marconi home page: http://www.alpcom.it/hamradio

During the second half of the last century scientists were searching
for a way to communicate wireless; but many attempts made with elec-
tromagnetic waves didn't lead to any result.

Scotsman Clark Maxwell demonstrated mathematically how electromagnetic
"actions" did spread with an "undulatory" movement. In 1887 the German
Heinrich Hertz, using periodic currents at very high frequency, demon-
strated the real existence of electromagnetic waves transforming the
"undulatory movement" into a stationary phenomenon, which could be
easily checked in a laboratory. The Italian physicist Augusto Righi
continued and improved in Bologna Hertz's work, demonstrating also the
complete identity between optical and electrical vibrations. In 1884 Temistocle Calzecchii-Onesti, teacher in the lyceum of Fermo, noticed the influence of electrical discharges of atmospheric perturbations on iron filing, constructing the famous "tube" which was named by the English physicist Oliver Lodge in 1894 the "coherer". The same Lodge, with the coherer improved by the French Branly in the Cambridge experiments, could notably increase the reception gain of the Hertzian waves. Finally in Kronstadt the Russian Popov used the Lodge coherer acting with atmospheric disturbances collected with a rudimentary antenna: a vertical metal pole. These were the main scientific conquests which led to the comprehension of identity between light and electromagnetic action, that took Guglielmo Marconi to his wonderful discovery, producing the device capable to make the electromagnetic waves travel the air, confined in conductive media as the ionosphere and the earth surface, and still capable to preserve precisely their own features.

GUGLIELMO MARCONI was born in Bologna in April the 25th, 1874. His father was named Joseph and his mother, Annie Jameson, protestant, was the second wife of his father. From his mother he inherited tenacity and perseverance, and knowledge of English language; from his father a strong will and business skill. When seven years old he entered the Istituto Cavallero in Florence, and in 1885 the Istituto Nazionale in Livorno, where meanwhile the family had moved. In Livorno Guglielmo acquired also a religious culture in the local Valdese church, where he was "confirmed" in 1882; in fact his mother before marrying laid down the condition that her sons would have been educated as protestants. Guglielmo's first wife was a protestant: Beatrice O'Brien.

Self-taught person, when he was just eighteen, felt the growth of an irresistible vocation inside for physics and electricity. Pupil in Livorno of professors Vincenzo Rosa and Giotto Bizzarrini, he acquired a more rigorously scientific way of thinking in a crucial moment for the direction of his studies. He knew well the ideas and theories of Maxwell, the experiments of Hertz, Righi, Calzecchi-Onesti, Branly. During the summer 1894, during his family vacations on the mountains near Biella (in the surroundings of Turin), young Guglielmo could meditate on Hertz's experiments, and had the idea to use the Hertzian waves to communicate. This was his marvelous idea, never thought of before by anybody. During the following Fall, in the villa in Pontecchio near Bologna, the twenty-years-old boy transformed the granary in his laboratory, working night and day among rolls of copper wire, brass spheres, Ruhmkorff coils, Morse keys and electric bells, realizing the first elementary radio sets. The first weak signals could reach few hundred meters: from the window of the granary where was placed the transmitter to the hill at the end of the garden where was the receiver, the three points of the letter S travelled the space, reaching the destination, and the farmer waved his handkerchief to show the successful reception. But Marconi wanted to get over the obstacles of the ground and connect two reciprocally invisible points. He took the receiver to the other side of the hill, where Mignani with his gun waited for the ring to sound three times. From the granary Marconi pushed three times the key of the transmitter and heard the answer of a distant gunshot: electromagnetic waves had overtaken the obstacle, radio communications where now possible! It was April 1895. For this experiments Marconi used the oscillators of Hertz and Righi, but the waves where too weak to go too far. He overcome the difficulties connecting to the oscillator an antenna and a ground, thus obtaining more power.

In 1886 he obtained his first patent, which he presented to the Italian government of that time, offer that wasn't even considered. His mother, understanding the importance of the invention, wrote to her parents in England, who advised her to send him to London, where it could have been easier to find the money necessary to develop the invention. On February 2, 1896 Marconi left for England where, with the help of engineer David Jameson, his mother's cousin, he was introduced to the director of the Post and Telephones company, Sir William Preece, who
became an enthusiastic supporter. On July 27 he performed his first official experiment from the terrace of the Post Office to the Salisbury plain. Other transmissions where performed successfully across the Bristol channel, between Penarth and Weston. In 1897 Marconi founded the first organization for the commercial development of his invention and in July of the same year, invited by the Italian government, came back to Italy and performed in La Spezia a communication between the arsenal and the battleship San Martino, surpassing the distance of 18 km. Back in England, on July 20 Marconi founded the Wireless Telegraph Trading Signal Co. LTD. In November the first Marconi fixed station was built near the Needleless on the Isle of Wight. Its first connections were with Bournemouth 23 km away.

In May 1898 Marconi realized the first equipment with tuning circuits to guarantee the independence of simultaneous communications between more stations (the future and famous patent 7777), and in July of the same year he carried out the first journalistic radiotelegraphic service for the Daily Express during the Royal Yacht Club Regatta, reporting from the deck of the yacht Flying Hontress to Kingstown, which was connected via telephone to Dublin. On August the 26th for the first time a help signal was sent from a lighthouse boat using wireless telegraphy; on March 3 was made the first rescue of the shipwreck of a boat, the Mathens, using radiotelegraphy. On day 27 of the same month Marconi achieved the telegraphic connection between England and France, from Wimereux near Boulogne-sur-Mer to South Foreland near Dover, a distant 32 miles. In September Marconi went to the United States where he carried out the connection between the cruisers New York and Massachusetts of U.S. Navy. In this period he improved his equipment to overcome the difficulties in order to obtain more distant connections, to get over the mountains and most of all to overcome the curve of the earth surface, which scientists considered unsupereal to the radio waves. It is the year 1900: the Wireless Telegraph Trading Signal Co. LTD. changes its name into Marconi Wireless Telegraph Co. and on April 26 he obtains the historical English patent no 7777 on his first tuning equipment. In October he ended building the Poldhu station in Cornwall, the most powerful telegraph station ever built until then. On November 26, 1901 Marconi with his two assistants Paget and Kempt embarked in Liverpool and reached St. John's in Terranova, where he built another radio station: on December 12th around 12.30LT Marconi received three weak signals corresponding to letter S in Morse code. For the first time in the world electromagnetic waves had crossed an ocean.

On February 22 Marconi embarked on the boat Philadelphia bound to America to build a big radio station in Glace Bay in Nova Scotia, upon invitation of the government. During the trip the scientist made important experiments discovering the harmful influence of solar radiation on transmissions, and, as he saw that the coherer did not meet the increasing needs of stability of reception, created a new kind of detector. This new device will be the Magnetic Detector, which will be patented on June 25, 1902. He will use it for the first time on board of the Italian battleship Carlo Alberto, at his disposal from the Italian government for the famous radiotelegraphic campaign from Naples to Kronstadt in Russia, always keeping contact with Poldhu station.

In the October of the same year the boat was bound to Canada to Glace Bay, where Marconi started the experiments to communicate across the Atlantic ocean from the other side, that is from America to Europe; Poldhu station worked as a receiver. For a long time every communication was impossible and from Poldhu via cable line the only message was "standard", that is "we haven't received anything". At last on December 15 the message received from Poldhu changed in "greentime" that is "we have received some signals", while on day 18 the reception became intelligible, and transmission was sure on both directions: the first transoceanic bilateral transmission was over. On September 1903 during the boat trip from England to United States on board the ss Lucania, Marconi established the first press agency between Europe and America, starting regular printing of newspapers on board during the trip across the Atlantic.
In 1904 Marconi built the rotating oscillator discovered the directive properties of horizontal antennas, and started to use Fleming thermoionic valves. In 1905 he patented his directive horizontal antennas, which permitted a tremendous increase of the strength of received signals.

On December 10, 1909 Guglielmo Marconi was awarded the Nobel prize for Physics.

In 1912 Marconi invented a new way to generate continuous waves, called "multiple sparks system", a smart intermediate point between the previous spark instruments and those with continuous wave. In 1914, after the improvement of radiotelephonic instruments using triode thermoionic valves, he experimented successfully a regular radiotelephonic service: it was the birth of radiophony. At the outbreak of World War First he enrolled in the Italian Army as an officer. In March 1916, following some problems in using long waves during military operations, Marconi started realizing the first VHF radios, opening thus a wider horizon to the development of radio communications. In 1916 he bought the boat Eletra, which became his personal laboratory, where he attended his studies and his researches. Knowing the peculiar properties of short waves, in 1922 Marconi recommended their use instead of long waves, and between June and July 1923 he performed very important experiences between Poldhu and the Eletra, moored in the islands of Palo Verde (nearly 4000 km), obtaining such results that led him to try even farther. In 1924 Marconi built numerous short wave stations, in the 30-60 MHz band, for British government, and on May 30 of that same year took place the first regular transmission of human voice between England (Poldhu) and Australia (Sydney).

On October the 5th the Italian Ministry of Communications authorized the "Italian Radiophonic Union Society" to start radio auditions in Italy. On June 15 Marconi married his second wife, the countess Maria Cristina Bozzi Scali (desappeared recently), and on January the 1st, 1928 he was named president of C.N.R. (National Research Council). On March 26, 1930, from aboard the Eletra moored in the harbour of Genova, he sent a signal that, after covering 14,000 miles, lightened Sydney townhall. In September the 17 he was named President of Italian Royal Academy. Because of the start of regular radio services all throughout the world, the air was becoming more and more jammed with signals; Marconi then opened new horizons to the radio, improving the reflecting radios, which worked on frequencies below one meter. On February 12, 1931 Marconi, in the presence of Pope Pius IX, inaugurated the new Vatican Radio Station, and on September the 13 of that same year, from his office in Rome, Marconi lightened up the statue of the Redeemer in Rio de Janeiro, via the Coltano repeater. In this period Marconi demonstrated the possibility of using microwaves communicating between Santa Margherita Ligure and Levanto (36 km). In 1932 he built the permanent radiotelegraphic connection between the Vatican and Castel Gandolfo (summer seat of the Pontifex). In the days 2-11 of August of that year he made important experiments between Rocca di Papa and the Eletra until the distance of 224 km. (127 km beyond optical reach) and between Rocca di Papa and Senapro of Cape Lipari in Sardinia, at the distance of 269 km., using a wavelength of 57 cm!

In July the 26, 1934 Marconi established the radiotelegraphic connection between the Elettra and the radio beacon in Sestri Levante with a wavelength of 63 cm., demonstrating how a ship could, in case of fog and in total blindness, find safely the entrance of a harbor. In March 1935 on the via Aurelia he performed some distant search experiments which would eventually lead to the invention of radar. Together with microwaves, he studied also television, foreseeing the future, and started research on therapeutic use of radio waves (Marconitherapia).

Guglielmo Marconi died of a heart attack in Rome on July 20, 1937. To remember his name, his multiform activity as researcher, inventor, experimenter, scientist and scholar, radios all around the world observed a long minute of silent regret.
His example, his precious work, his way to conduct experiments and trials with both exactitude and scientific method, his stubbornness to lead the tests until the deep and complete understanding of the phenomenon, his devotion, his firmness, his enthusiasm, his commitment are an inestimable heritage and an example that all of us radioamateurs have done our posses-
sion; it is through the work of radioamateurs that the world has been enriched of new discoveries, knowledge, positive results about radio and in all those fields that progress has related to the radio. Few men in the world had the satisfactions that had Marconi during his life: I think of all that has been done, of all the reached goals, satisfactions that we HAMS can understand, maybe better than any other. A feeling of admired gratitude goes to Guglielmo Marconi every time I switch on my transceiver and with the simple manipulation of a key I can communicate my emotions to another radio experimenter. I am thus proud, as I hope will be all HAMS, to be a part of that class who received the heritage and the patrimony of Guglielmo Marconi.

The General Lighthouse Authorities

During my vacation in England last May, I visited the depot of Trinity House in Penzance, Cornwall. Being interested in radio beacons, DGPS and lighthouses in general, this was a good place to visit. They have a permanent exhibition and information is available. So keep this in mind next time when you are in the neighbourhood. Penzance is also close to RNAS Culdrose, a Navy SAR base and RN's main facility for heli training. Also near is the British Telecom Earth Station at Goonhilly Downs, a must see for all you antenna lovers. Some 30+ giant satellite dishes inhabit this site which is open to visitors.

This month I will tell you a little more about the General Lighthouse Authorities (GLAs). GLAs are the collective authorities of the three lighthouse organizations in the United Kingdom and the Irish Republic, namely:

- # Northern Lighthouse Board
  - Scotland, Shetland Islands, Orkney Islands and the Isle of Man
  - maintaining ??? (no data received)

- # Corporation of Trinity House
  - England, Wales, Scilly Islands and Channel Islands
  - maintaining 72 lighthouses, 11 lightvessels, 2 light float stations, 22 beacons, 400+ buoys (320 lighted), 14 radio beacons, 11 Decca stations, 48 racons, 1 Bolkow 105D heli, 2 lighthouse tenders (THV Mermaid and THV Patricia), 1 maintenance vessel (THL Vectis), 1 rapid intervention craft (THL Ready) and a number of launches to carry out routine maintenance to lightvessels and smaller buoys.

- # Commissioners of Irish Lights
  - Irish Republic and Northern Ireland
  - maintaining 80 lighthouses, 2 automatic light floats, 145 buoys (119 lighted), 19 beacons (2 lighted), 29 perches (1 lighted), 1 fog signal station, 2 large automatic navigational buoys, 3 control/monitoring and communications relays stations, 18 racons, 8 radio beacons and 7 helicopter landbase pads with refuelling facility. The services of Irish Helicopters are widely used in resupplying remote stations.

Each look after their own lighthouses/ships and maritime radio beacons. Strangely enough none of them have anything to do with the DGPS transmissions. This service is provided under licence from the GLAs to a commercial company called Scorpio Marine. This is probably the reason why DGPS is encrypted in the UK and Ireland. They provide the service for a subscription fee where-as most other countries provide the service for free. Although the GLAs announced a free DGPS service by the end of 1996, a new agreement between the GLAs and Scorpio was signed a couple of weeks ago extending Scorpio's commercial DGPS service until the end of 1998. So, a free DGPS service may be delayed until 1999.

The overall mix of systems currently available or planned will adequately meet the operational requirements for the planned period (1995-2015).
The continuing provision of traditional aids like waymarks and lighthouses for at least 20 years. Most lighthouses will be automated within the next couple of years. After the completion of the new NELS station in Ireland earlier this year, Loran-C is now officially the terrestrial radio navigation system for Europe as a backup for the satellite systems like GPS and GLONASS. Loran-C is fully compatible with the Russian Chayka system. The current UK DECCA chains will be dismantled in 1999 while most of the radio beacons will disappear before the year 2000.

Note: for more detailed information about the above mentioned radio navigation systems, please read my columns in newsletters 11/95, 12/95, 01/96 and 02/96.

Here is a list of the radio beacons maintained by the GLAs. See this month's 'Digital Review' for a list of DGPS stations.

*) Calibration station (mode: CW)
lt = lighthouse, lv = light vessel, lf = light float

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<th>Frequency</th>
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<td>InchKeith Lt</td>
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Sources: the Commissioners of Irish Lights, Trinity House, Fishery News, Admiralty List of Radio Signals vol.2, and last but not least Day Watson.
Howdy everyone, we're back again with lots of logs. We had 66 contributors for this issue and thanks go out to all. We have some really neat stuff! Concerning last month's column, Ary Boender sent me these ID's:

6341 Unid: 1015 FAX 120 very poor weather map (EW) USCG Boston on 6340,5 perhaps?, and 6798 KUL: SOUD station 1844 RTTY 75/500 5FG'S (DG) is SOUD Moscow with a message to KUL. Thanks Ary! As usual, if you can correct, ID, or provide information for any of the logs here, please drop me a line. We try to check these as close as possible, but I know some mistakes slip through.

Last month I received in the mail from "John Doe" of London a note asking what the proper callsign was for "the USN/USAF FAX facility at Roosevelt Roads/Caribbean?" He goes on "In the logs column in March and April it has been referred to as NAU (listed as San Juan); NHF (listed as Homestead, Fla); and NRR (listed as Roosevelt Roads)." It's also listed as USAF AWS Ceiba, PR, sometimes. Well we know it's not Homestead AFB. I posted this question out to WUNL-land and no one knew the correct answer then. So, if anyone knows for sure as to the correct station sending this data, let me know. Also I asked about the move of NAM, the U.S. Navy at Norfolk, to Cutler, Maine. I understand the callsign for Cutler is "NAA" but some insist "NAM" was carried forward to the new location. Anyone have the "fax" (sorry!) of the matter once and for all?

Andreas Ibold in Germany wrote asking for ID's on: JQW26 on 11175 wkg Lajes w/pp to European DSN 727-2166. Also Navy MARS calls NNNOCOT (not the decommissioned USS Fairfax County), NNNOCAT, NNNONGU and NNNOCZ (not the decommissioned USS Forrestal). Charles Crawford is looking for the ID's on NNNOCBB, and NNNOCCL. Can anyone help?

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CIVIL AERO---

2872  Gander Radio: NF, CAN (NAT-C MWARA) 0243 USB wkg LOT 002 w/selcal ck, HS-CD (767 SP-LPB): at 0246 wkg Alitalia 609 w/posrep; at 0247 wkg Air India 102 Heavy w/selcal ck, JI-CG (747 VT-ESP). Shanwick, IRE: (NAT-C MWARA) 0245 USB wkg Speedbird 292 (BAW) w/posrep, selcal ck BG-KQ (747-400 G-CIVF). (RB)

2899  American 104 0350 USB Possibly 54 N 20 W hard to copy also Delta 22 & United 18 (LB2) Shanwick, IRE: (NAT-B MWARA) 0259 USB wkg Delta 30 w/posrep. Gander Radio: NF, CAN (NAT-B MWARA) 0300 USB wkg United 952 w/posrep, 55N/40W 0259 FL330, est 56N/30W 0341, 56N/20W next, fuel 51.8. (RB)

3016  Shanwick "Oceanic" OAC, IRL (MWARA NAT-A): 0123 USB w/AEAL18 (ANEU) Santa Maria: AZR, (NAT-A MWARA) 0303 USB wkg ASCOT 3221 w/posrep, 30N/20W 0304 FL 320, selcal ck LM-BJ (RAF L1011 ZE-705). (RB)

3413  EIP: Shannon Volmet, IRL 0000 USB m EE machine voice Volmet (ANEU) Shannon: USB 0322 USB European VOLMET. (DES)

3476  Gander OAC, CAN 0135 USB w/Delta 30 (ANEU) Delta 48 0349 USB wkg Gander weak signal report on both ends. Delta 48 0349 USB wkg Gander weak signal report on both ends. (LB2) Shanwick, IRE (NAT-F MWARA) 0311 USB wkg United 942 w/posrep, 52N/40W 0310 FL 370, est 53N/30W 0356, 54N/20W next. (RB) Swissair 151 0406 USB wkg Gander/ARP 55N40F F410 relay to EWW. AmTran 8746 0435 USB HK-AM wkg Gander/Selcal ck. Roy 760 0438 USB wkg Gander/GARP 56N40W F330 (TO)

3485  Gander Radio, CAN 2355 USB m EE Volmet (ANEU)

4645  Tallin (Air?): EST 1700 USB f EE Volmet (ANEU)

5505  EIP: Shannon Volmet, IRL 0030 USB m (machine voice) EE Volmet. (ANEU)

5535  Speedbird London (British Airways) 0245 USB LDC wkg Speedbird 74 w/selcal, adv their request was denied. (RB) BAW4 1935 USB Speedbird London/ETA EGLL 2112 reg one brass padlock for duty free !!!! Concorde. (RD3) American 955 0522 USB AP-CQ wkg Lima FS LDC/Selcal check rpt points (TO)

5541  WOA277 2230 USB Stockholm/Inb/d to Surabaya, fuel 47.2 N277WA MD11. ANA206 2233 USB Stockholm/Called several times pos'n 64N58E. 9MMAV
2240 USB Stockholm/psn ATIDA 2222 F330 Fuel 29.8.DC10 WOA. RIA7205
2242 USB Stockholm/dep. EKKA 2200/17 ETA KPI7 0553 Fuel 159. 5 Nil
pax, uplift 16872 USgal sel/JQBE N765BE L1011 (RD3)

United 953 0608 USB wkg Honolulu/ARP BRADR F350 QSY HNL CTR. United
815 0651 USB As-DK wkg NY/est F330N1610W Wtg5 F330. (TO)

Papa 62 2131 USB Santa Maria spelling unsure, fl330. Reach G5 2136
USB Santa Maria 43n 20w 2133 fl330 mach .83, muddos 2210, STG
(Santiago). Santa Maria requests further route: [UA5] Beja [UR72] VFA
(Faro) [UN11] piren - Rota (destination). 2212: In contact w/Madrid
(BH) CRL924 1110 USB Selcal CKEJ. BAL259B 1115 USB Selcal ELGJ. KLM
781 1120 USB. CK737 1120 USB Selcal JXME. TWA917 1125 USB Selcal
DCLJ. AOM313 1130 USB Selcal BJHL. USA111 1130 USB. BAW169 1130 USB
Selcal DHCJ. IBE8255 1210 USB Selcal DJFS. MPH603 1210 USB Selcal
ARLM. CRL928 1220 USB Selcal CELF. DAL109 1335 USB Selcal AHCM.

AVA015 1340 USB (HW) GOLD 61/66: 2150 USB to Bamba point. contacting
Lisbon control on 128.9(JP2) TWA 880: 0129 USB wkg NY pos rpt 42N
60W. USAir 12: 0142 USB wkg Gander Selcal ck BF-MP. Delta 106: 0038
USB wkg New York Selcal ck EQ-AH. REACH 1200 0043 USB wkg New York
posn rpt 43N 50W Flt Level 310 & req for selcal ck. (KW2) Delta 14
0342 USB wkg Gander selcal, unreadable. Delta 108 0355 USB wkg
Shawkin FL3 350 45N 13W Remining fuel 72.1 contact Musmid on 135.7
Delta 14 0342 USB wkg Gander selcal unreadable from this end. (LB2)

New York: (NAT-A MWARA) 0226 USB wkg American 68 w/selcal ck JK-QS
(767 N386AA) also REACH 4QS for radio ck; at 0231 wkg Air France 594
w/selcal ck KM-BF (747 F-BTDH). (RB) Shamrock 7495 0434 USB wkg
Shawkin/recieving speed restrict. Air Europa 144 0443 USB JR-AG wkg
SM/ARP 44N40W F390 767 EC-276. Frenchline 433 0444 USB BK-DK wkg
Shawkin/ARP 46N20W F330 QPR. Aeromexico 033 0529 USB BC-JS wkg
NY/ARP GRAX F370 NANCE-PIGNY. AmTran 8010 0559 USB BH-GJ wkg
Gander/ARP 47N40W F330. Transat 256 0601 USB HM-EG wkg NY/ARP 43N50W
F330. Pirocco Radio 0007 USB wkg the "Rude Lady" from NY req freqs for
Santa Maria (!!!) REACH 8V3 0008 USB wkg Gander/ARP 45N40W F370.

Air France 594 0017 USB KM-BD wkg NY/Selcal check 74M F-BTDG. Air
France 031 0122 USB EK-GJ wkg NY/ARP JAINS F330. TSO 7003 0125 USB
wkg Shwank/ARP 58N30W F330 Transaero. Hopag-Lloyd 656 0157 USB
HL-AQ wkg Gander/ARP 4545N26W F330. Delta 82 0208 USB AH-EH wkg
Gander/Selcal check. Iberia 6250 0220 USB DH-GM wkg Gander/selcal
check DC10 back on route. Springbok 202 0256 USB FM-AQ wkg SM/ARP
Swissair 111 0327 USB AG-EQ wkg Shanwick/ARP 53N30W F390. (TO)

SAM 26000 1748 USB wkg Shanwick pos: 59N 20W 17:45 59N 30W 18:30 59N
40W Next (AD2) Gander OAC, CAN (MWARA NAT-B): 2335 USB m w/REACH
3037 (ANEU) Gander 0825 USB wkg American 92, selcal & posck check.
(AW) Reach 0855 2039 USB Shwank 54n 15W 2032 fl280, 55n 20W 2053,
55 30W 2852 fl270 wkg NW38 w pos ck. Gander: 0318 USB wkg USAIR 894 w pos. rpt.
(DES) PAC603 2005 USB Selcal GKDF. UPS6571 2020 USB (HW) Northwest 44 0347 USB wkg Gander FL 310 57 N 50 W temp
-7.4 Selcal GLFJ. Northwest 44 0347 USB wkg Gander FL 310 57 N 50 W temp
-7.4 Selcal GLFJ (LB2) Transat 130 0049 USB FL-EG wkg Shawkin, CTDG 0325 and selcal check. Delta 146 0034 USB EQ-AH wkg Gander,
Selcal check KATL-LOWW. REACH DQ1 0058 USB BL-GM wkg Shanwick/ARP
51N30W copy Emery Ops. Continental 36 0109 USB EF-AE wkg Gander/ARP
Canadian 86 0132 USB DL-FJ wkg Gander/Selcal check. COPPER 1 0152 USB
wkg Gander/ARP 62N60W F370 .82. American 24 0154 USB EL-BM wkg
Gander/Selcal check. Air Canada 878 0227 USB AK-GM wkg Gander/ARP
F350 est 51N50W 0233. TWA 848 0638 USB FL-AM wkg Shanwick/Selcal
check. Transat 106 2351 USB DS-AE wkg Gander/Selcal check 757 C-GTSE.
(TO)

TC-ATA: 1013 USB (Vip flight) w/Turkish prime minister on board
overflying Athens FIR and greek air space, on its way to Florence,
Italy, with diplomatic greetings message to Greek prime minister in
contact w/Athens Radio. SX-OAB 1633 USB B-747 owned & operated by
Olympic Airways requesting selcal check with Athinai Radio. Selcal
CH-DK. SX-OAE (Olympic B-747) 1352 USB r/c Athens. SX-OAD (Olympic
B-747) 0750 USB (CK)

5643 VH-SV7 0727 USB wkg Auckland radio Lord Howe Island to Sydney. QF-44
0728 USB wkg Brisbane radio Auckland to Sydney. QF-26 0729 USB wkg Nadi radio Honolulu to Auckland. FREEDOM-4111 0744 USB wkg Auckland radio Auckland to Sydney 737 The second new trans Tasman airline.
Korean air-662 0747 USB wkg Auckland radio Auckland to seoul. Korean Air 662 0756 USB wkg Nadi/ARP F390. Solomons 711 0805 USB wkg Nadi, req from Nadi OCA. (TO)

5649 Shanwick OAC, IRL (MWARA NAThC): 0030 USB w/UNID (ANEU) Ascot 2137 USB Gander (C-130, RAF) FL210 climg 230 (BH) AFR238 1105 USB wkg Auckland radio Auckland to Sydney 737 The second new trans Tasman airline.
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Korean air-662 0747 USB wkg Auckland radio Auckland to seoul. Korean Air 662 0756 USB wkg Nadi/ARP F390. Solomons 711 0805 USB wkg Nadi, req from Nadi OCA. (TO)
Shanwick/ARP 54N30W F390. Speedbird 282 0635 USB BR-AR wkg Gander/ARP
59N60W F370 747-400 G-BNLX. Speedbird 116 0636 USB BE-KM wkg
Shanwick, ARP 53N30W F370. Lufthansa 8160 0709 USB FH-CE wkg
Gander/ARP 49N30W F280 fuel 83.2. Speedbird 176 0725 USB GR-UK wkg
Gander/Selcal check. El Al 841 0725 USB BG-DE wkg Chanel UK
Gander/ARP 636 0420 USB BG-DE wkg Gander/Selcal check.

Shanwick/ARP 53N30W F370. Lufthansa 8160 0709 USB FH-CE wkg
Gander/ARP 49N30W F280 fuel 83.2. Speedbird 176 0725 USB GR-UK wkg
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Gander/Selcal check. El Al 841 0725 USB BG-DE wkg Chanel UK
Gander/ARP 636 0420 USB BG-DE wkg Gander/Selcal check.
WUN-v02
5667 Bahrain ACC, BHR (MWARA MID): 2345 USB w/UNID (ANEU).
5635 Dakar Radio: SEN, SAT-1 MWARA 0331 USB wkg Air Afrique 9972 w/posn, selcal. (RB) GFA990 2342 USB Canarias/ROYAL 2340 DAKHLA 2349 F350. (RD3) VASP 774 0248 USB DL-CF wkg Canarias/ARP GADUN 0244 F370 PLATY GDV. Ghana 130 0308 USB 3L-CH wkg Dakar/ARP F310 ACC-JFK est TITOR 0329. (TO)
5677 New York: 0027 USB wkg West Indian 791 w pos. rpt. Also SELCAL ck w unid flight (SELCAL DE-KL). (DES) TOWER 50: 0048 USB wkg New York selcal ck CM-GK. (Kw2)
5686 Speedbird 236: 0124 USB wkg New York SELCAL CK BD-FL. (Kw2) BAW74 2312 USB Accra/DEPOR 2311 F330 Niamey 2329 In contact w/Niamey on VHF. (RD3) Delta 9268 2113 USB EM-DJ wkg NY/ARP Grand Inagua F280. On this day Miami CTR corte range VHF had been knocked out by a storm & NY were reporting all flights usually carried on VHF. Balair 181 2116 USB BJ-DQ wkg NY/ARP CATCH F290 A310 HB-IPM. American 1291 2119 USB BP-FL wkg NY/ARP JOSES F200 ZIN 2125 req F350. American 676 2122 USB wkg NY/ARP ZIN 2121 F260 DUNNO-ZBV. American 436 2125 USB CR-FS wkg NY/ARP ALBEE F290 ZIN-DUNNO. American 1215 2155 USB AM-BQ wkg NY/ARP ZIN F280. (TO)
6044 New York radio 1043 USB w/Volmet wx bx for the area (AW)
6622 REACH4584 1405 USB (HW)
6628 Reach 0612 2055 USB wkg Santa Maria, gonti (??? spelling very unsure) 2032 FL350, 40n 20w 2134, 42n 30w. Envil 03 2107 USB Santa Maria (C-130?) Mike 2150 FL230, FLO (Flores) 2110, GRA (Graciosa). Envil 03 2112 USB FLO 2110 FL230, GRA 2136, Lajes (destination) -> 132.15 (Santa Maria). AEM 62M 2121 USB Santa Maria (C-130? Spanish Air Force) gunzi (??? spelling unsure, could even be same as the "gonti" above) 2119 FL220, 39n 20w 2084, Bravo. Reach 2578 2156 USB Santa Maria clearance to Dover: gumpi (see the above logs) - 39n 20w - 40n 30w - 39n 40w - 39n 50w - 39n 60w - slatn f1280 mach .77 (BH) Santa Maria: 2012 USB wkg UNID flight w/posn. Canarias: 2014 USB Clg Sta. Maria. SM requests standby (DES) American 68 0331 USB wkg Ny w/posn & selcal check..HQRS change to Gander 4430 N on 3016 or 5598. Air France 0334 USB wkg NY told to copy Santa Marie at 23 N. KLM 757 0335 USB wkg NY 31 N 50 W FL 310 req FL 350 at 23N 60W. American 68 0331 USB wkg Ny w/posn & selcal check..HQRS change to Gander 4430 N

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on 3016 or 5598. 334 UTC Air France 0334 USB wkg NY, told to copy Santa Maria at 23 N. 335 UTC KLM 0335 USB wkg NY 31 N 50 W FL 310
req FR 350 at 23N 60W (LB2) Santa Maria: AZR, (NAT-E) MWARA 0327 USB
wkg World flt 951(9?) reporting level 310, posrep 42N/20W 0324, HYDRA
next, selcal ck; at 0336 wkg NAVY 0340 at 0333 posrep, FL 290, est.
LIS 0408, CCS next, contact Lisbon control on 128.9 VHF. New York:
(NAT-E) MWARA 0329 USB wkg West India 900 w/posrep, 17N/55W 0326
FL 330, est 21N/50W 0407, 25N/43N next, selcal ck HMhFK (L1011 N3140D).
(RB) Speedbird 162 0221 USB DH-CJ wkg NY/QSY from 5598 selcal check.

6637 Miami: Connie Op's LDOC, 0206 USB Miami, FL wkg flt 312 w/arrival,
50 mis. N of Key Largo for selcal check. (TO)

6676uckland radio 1020 USB w/VolMet wb bx for the area (AW)

6826 Stockholm :1910 USB Wkg Cypriot(?) 825. No response. Tried SELCAL
w/no joy.(DES)

8825 New York 0028 USB Wkg Speedbird 166 pos. rpt. Selcal DHCJ. (DES)

8846 N917W 1702 USB BG-PS wkg NY/ARP PRIUITT 1700 F430 req block F430/450.
Big A 308 1735 USB wkg NY/ARP GRANN F390. Air Canada 947 1743 USB
reporting at posn 3154N9W & operational for 4 hrs. then returning to
Navy Brunswick. At 1736 wkg NY w/revised ETA KATHYh1746. (TO)

8861 Khabarovsk Volmet 0947 USB YL/RR passing airfield wx conditions. (DW2)

8879 Jordanian 265 1956 USB FJ-AG wkg Gander/ARP 61N30W F330. (TO)

8891 Jordanian 265 1956 USB F3-AG wkg Gander/ARP 61N30W F330. (TO)

8891 Bail FIS 0821 USB, unable to id flight, this freq is in Indonesia.

8891 Iceland: 1811 USB wkg Scandinavian 913 w pos. rpt. BC-FL SELCAL.
(DES) United 960 0314 USB CE-QS wkg Iceland/ARP D70 0313 F350 69N60W
0342. (TO)

8991 Saben 5130 0815 USB wkg Algiers/ARP est EENDOK 0133. Speedbird 56 0119 USB RP-AB wkg Algiers,
ARP IKTAV est 0126 F350. Sabena 5130 0148 USB wkg Algiers/ARP JNB-TRU
INISA 46 F350. (TO)

9010 CMT 2996 1900 USB Brazzaville (An-124, UR8209, Antonov Design
Bureau) dep Bangui 1842 climbing f350, ekim 1909, sulby 1955, eta
Libreville 2020, registration UR8209, a/c type AN124. CMT 2996 1903
USB ekim 1909 f350, tunib 1936, olte (same as sulby?). CMT 1185 1917
USB Brazzaville (DC-8, F-RACF) in FF (Cotam onze-soixante-deux) dep
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WUN-v02

BANGUI 1908 ETA NDJAMENA 2025 FL390 REGISTRATION FRAFC, SELCAL JFKH.

KLM 597 0019 USB BH wkg BAZRAA/ARP TIVOL F350 EST NDJAMENA/ ARP TIVOL 0009 F330 MOTET 0024.


Air Force 7085 2221 USB CB-HQ wkg BRAZZA/ARP TIVAL 20 F310 MIKMA 49. Speedbird 237 0043 USB ABhJL wkg NIAJAMENA/Selcal heavy QRM.

KLM 597 0019 USB BH wkg BAZRAA/ARP TIVOL F350 EST NDJAMENA/ ARP TIVOL 0009 F330 MOTET 0024.


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KLM 597 0019 USB BH wkg BAZRAA/ARP TIVOL F350 EST NDJAMENA/ ARP TIVOL 0009 F330 MOTET 0024.
2336 USB Stockholm/Malaga to Marseille p/p to Air Tolouse. VRG743
1922 USB Stockholm/On grnd EDDF req.s/c chk AMGP PPVOQ MD11. DAL39
0935 USB Stockholm/Radio and selcal chk/AHEK N753DA L101. DAL57 0943
USB Stockholm/Radio and selcal chk/EBQH N807DE MD11. DAL77 0957 USB
Stockholm/Radio and selcal chk/EBQH N807DE MD11. DAL77 0957 USB
Stockholm/dep.EINN 1035/47 ETA KNHZ 1634 Fue1129.4 196px uplift
16371 usg sel/BJHK N189AT L101. TOW602 1058 USB Stockholm/dep.Orly
0942/00 eta JFK 1730 46 px posn LND 1049 F350 sel/ALDJ N602FF B747
(RD3) Tower 920 0029 USB LM-HK wkg Stockholm/departure rpt from REC.
(TO)

8933 Cedar Rapids 0553 USB wkg flt 972 (unk company) for pp to company
office. Pilot request instructions & medical info concerning 4 px
w/typhoid fever inbound to Miami from Panama. (CCL) DNL 530: 0106 USB
wkg NY Radio pp Cincinnati Flt Control enrt Miami arrival 0300Z w/wx
request. 63: 1122 USB wkg Miami wx info request. (KW2)

9057 Shannon: 1921 USB European VOLMET. (DES)

8980 Portishead: 1308 USB wkg ? 5004. Flight req pp to OPS. (DES)

10018 Bombay: 1318 USB Vv weak wkg various flights. (DES)
10033 Laker 501: 1847 USB signing off w/LDOC Miami (RM)
10048 Honolulu 0610 USB wkg several a/c, very busy at this hour (AW)
10051 Gander Radio, CAN 2025 USB m EE Volmet (ANEU)
10057 Brazzaville Volmet, COG 2342 USB m EE Volmet (ANEU)
10072 Shamrock 106: 0359 USB c lg Speedbird London no joy. Ansett 972: USB
wkg Speedbird London SELCAL Ck CQhPS. (KW2)

9077 American 940: 0050 USB wkg Houston Radio ops info freq primary ?
secondary 6637. 993: 1057 USN wkg Cedar Rapids ops data and qsy to 13
mhz. (KW2) MIKE PAPA TANGO 1923 USB passing some kinda wx report to
401 TANGO ECHO,MPT also advised 401TE that he could use 179.40 while
on the ground in Panama. (MF2) Houston: Universal Radio, Houston, TX
0017 USB wkg N637GA (unid) & N7155P (Grumman G1159, Peterson
Aviation, Van Nuys, Ca) w/requests for customs coordination. (RB)

10090 Khabarovsk Volmet 1007 USB YL/EE passing airfield wx conditions.(Dw2)
11300 5XD: Entebbe Radio, UGA 1809 USB wkg Nairobi. (AI)
11306 BMA'MN 1929 USB Portished/o/h Portugal no reply. GOBMN B737. (RD3)
11330 Tokyo 0835 USB wkg United 664, posrep. (AW)
11345 F-GEHEK 1954 USB Stockholm (?) no joy. PH-TK0 2207 USB Stockholm
(B-737, Transavia) pp Ops: problem w/Greek and Brussels ATC, on
the ground Rhodos, also referring to flight 414 at Kos. In Dutch. EBA 807
2031 USB Stockholm (B-737, EuroBelgian Airlines) pp Ops, abt new
flightplan/route, in French. Ops called the a/c "LTV", which is
OO-LTV. Transavia VT 1024 USB Stockholm (B737 PH-HVT)technical
problem, original destination Arrecife (Canaries), discussing
devision to either Fuerteventura or Las Palmas for technical
assistance (partially in Dutch). Varig 722 1040 USB Stockholm (DC-10)
req. PP-VMDK ETA HKLM ETA LFPG (Paris/CDG) 1245. Chcked gamba 0748
(BH) FRADA 1055 USB Stockholm/pos'n 39N12W opr.CTM1052 p/p to AFR
Dispatch,Paris A310 French AF. MAJ118 1110 USB Stockholm/Zurich to
Bucharest.FI/t was tx. in AM and Stockholm had difficulty rx.kept
telling a/c to change to USB-pilot couldn't understand!!! AEL762 1112
USB Stockholm/On ground Milan with selcal chk/CSPH EICJA B767. JAL445
1113 USB Stockholm/oh UHT 1107 F11600m Fuel 98.4. AFR520 1113 USB
Stockholm/Req. radio and selcal chk/FLDJ FGNTA. AAL95 1114 USB
Stockholm/Req. selcal chk/JKRS N387AM B767, CFG'UE'1115 USB
Stockholm/Req.private p/p.To call 10805. DABUE. DAL14A 1115 USB
Stockholm/pos'n ARISA 1111 F350 Fuel 29.7. EBA940 1117 USB
Stockholm, pp to Ops.presently holding due to problem at Faro.will
hold for another 40Mins then div.to Porto Santo. GMT'EC' 2031 USB
Stockholm/Called o/h Barcelona req. p/p to Company DAGEC B737 (RD3)

11384 Air Mike 954 0845 USB c lg Honololu w/posrep. (AW) Japan air-778 0749
USB wkg Honololu radio Sydney to Osaka. NZ-33 0749 USB wkg Honololu
radio Auckland to Narita. Air MHke-973C 0752 USB wkg Honolulu radio
Guam to Nagoya  DC-10. Air Mike-900C 0753 USB wkg Honolulu radio Guam
to Bali  FJES DC-10. Air Mike-903C 0754 USB wkg Honolulu radio
Honolulu to Guam  DC-10. Air Mike-957 0837 USB wkg Honolulu radio
Honolulu to Guam .727. Japan Air-946 0836 USB wkg Honolulu radio,
Guam to Osaka. 747. (SB)

11387 Singapore Volmet 0953 USB OM/EE passing airfield wx conditions.
Bombay Volmet 0956 USB OM/EE passing airfield wx conditions.
Sydney Volmet 1000 USB OM/EE passing airfield wx conditions. (Dw2)

KUP66: Ponape Micronesia 0855 wkg Qantas six. Selcal & posrep Qantas six confirming it's continuing to Honolulu (A)

REACH-2310 0402 USB To Honolulu radio.


New York: (NAT-A MWARA) 1603 USB wkg unid XA404, adv maintain 13306 as primary, 8906 secondary (at 1619 wk ed this flt w/posrep); at 1607 wkg TWA 901 w/posn 40N/60W 1607 FL 370; at 1617 wkg Iberia 6251 reporting level 370, selcal ck DJ-RS (A340). New York: 1618 USB wkg Virgin Air 005 w/NY Center clearance, climb & maintain 350, report reaching; at 1620 wkg Air Portugal 38 w/posn & req 350, selcal ck BM-CS (A310) & req Gander wkg; at 1622 American wkg posn rpt for N555KC (Gulfstream). (RB) Speedbird 219 1652 USB BE-KL wkg NY/ARP 43N50W F310. Swissair 120 1658 USB DE-GL wkg NY/ARP 44N40W F350, 747-300 HB-IGE. Speedbird 233 1733 USB AM-DF wkg NY/ARP 41N40W F310 DC10-30 G-MULL. (TO)

Please note that ARQ is used for Sitor-A, FEC is used for Sitor-B, and both of these modes are 100/170 unless noted otherwise. RTTY is used for Baudot. This is not as a statement of correctness, but rather a space saving measure.

62 Unid. 1415 RTTY 100/60R British Mil Encrypted w/RY & VMGTCNJ between messages. (PT)

DDH49: Hamburg Meteo, D 0947 RTTY 50bd RY (AB) DDH47: Hamburg Met 1936 ASCII 200/170 BMPT w/test message in 200 baud ASCII this comes out as mainly garbage with "TEST88H DCF49" in clear. (PT)

Oostende lt,BEL 2137 MKS 100bd DGPS transmissions (AB)


PCH85: Scheveningen Radio, NLD 0100 ARQ w/CW id, Reg. 1 Ch:226 (ANEU)

111.4 SOA211: Warsaw Meteo, POL 1000 FAX conducting fax test transmissions (estimated center frequency). At 1000z, a 700hPa 48h prog chart for Europe, Polish borders marked by a bold line. Only half of the scanning line was filled with the chart, the rest being black. QRM by LORAN, and by DECCA on the other side. Later they switched back to their regular RTTY transmissions, w/occasional frequency glitches. (KB)

Hoek van Holland lt,HOL 2140 MSK 100bd DGPS transmissions (AB)


1609.5 LGB Rogaland Radio, NOR 0110 ARQ w/CW id "LGB TLX" on Reg.1 Ch:206 (ANEU)

1611.5 LGB: Rogaland Radio, NOR 0100 ARQ w/CW id "LGB TLX", on Reg.1 Ch.209/1609.5, hr spurious ? (ANEU) (we would guess spurious -LOGS)

1612.5 GKR1: Wick Radio, G 0105 CW & SITOR id, on Reg.1 Ch:212 (ANEU)

1613 OXZ: Lyngby Radio, DNK 0105 ARQ w/CW id, on Reg.1 Ch:213 (ANEU)

1619.5 PCH85: Scheveningen Radio, NLD 0100 ARQ w/CW id, Reg. 1 Ch:226 (ANEU)

2460 YLQ: Riga Radio, LVA 0045 ARQ w/CW id "YLQ SCAN AUTO" (ANEU)
WUN-v02

2464 YLQ: Riga Radio, LVA 0110 ARQ w/CW //2460 2468.7, spurious? (ANEU)
2466.5 YLQ: Riga Radio, LVA 1900 ARQ w/CW id "YLQ SCAN AUTO", stronger then on 2460, spurious ?? (ANEU) (2464 & 2466.5 are probably spurious as YLQ is only on 2460 -LOGS)
2474 PBC32: DN Goeree Island 2040 RTTY 75/850 availability msgs (DG)
2525 SHIP "KELTAS KAUNAS" 2155 RTTY 50/170 tcf (disp/1 msg) via Klaipeda. (Dw) (no id on ship -LOGS)
2550.4 RP: LKA MAINZ 2204 ARQhE 96/170 cct [hfvrp] to bonn. corrupt reply to qvl msg. At 2207 8crc. betas then svc to bonn. "zzcc 001 hfvrp 040008 eee betr zz-qvl ok-- = mainz hf+ nnnn". (Dw)
2584.1 MTI: RN PLYMOUTH 2219 RTTY 75/N/340 carb "O2 02a mt" w/occasional time mark. (Dw)
2607 FUO: FNy Toulon, F 0040 RTTY 75/850 RY & VVV (ANEU) FUO: FN TOULON 1907 RTTY 75/N/850 marker "vvv de fuo yrs figs int zbz" & letter shifts till next burst. (Dw)
2635.5 SPS: Witowo Radio, POL 0040 ARQ w/CW "de SPS/TOR k" only CW hrd (ANEU)
2668.5 YLQ: Riga Radio, LVA 0110 ARQ w/CW id //2460 2664, spurious ? (ANEU)
(it would seem so -LOGS)
2690.5 DHJ51: Grengel Meteo, D 0100 RTTY 100/425 wx (ANEU)
2757 DUN: Norddeich Radio, D 1850 ARQ w/CW id (ANEU)
2780.7 GNW: Stonehaven Radio, G 0030 ARQ w/CW id (ANEU)
2789 FUE: FNy Brest, F 0030 RTTY 75/850 RY & "AA de FUE testing" (ANEU)
2795 ESA: Tallinn Radio, EST 0025 ARQ w/CW id (ANEU)
2806 IJG41: IN AUGUSTA 2243 RTTY 100/N/850 marker "ijg41/ijg42/ijg43" / (Dw)
2829.5 SPB: Szczecin Radio, POL 1845 ARQ w/CW id (ANEU)
2832.7 GNK1: Norwich Radio, G 0025 ARQ w/CW id (ANEU)
2851 MGJ: RN Faslane?, G 0015 RTTY 75/850 02D 03B 04B 06C 08AOO 08D 12B 14C 16C 25D MGJ" (ANEU) (yes, Royal Navy Faslane -LOGS)
3172.5 IMB12: Roman Meteo, I 0005 RTTY 50/850 wx (ANEU)
3196 OLB7: Prague Meteo 2017 RTTY 50/500 wx rpts (DG)
3215 UGC: St.Petersburg Radio, RUS 0005 ARQ w/CW id (ANEU)
3330 Unid: NET 0945 COQUELET-13 13/360 3330. 54. appears to be single freq net. various sig strengths. id's "de hh" and "tb de hh zbz jt". Belgian military net? "de 4v zkb zkb k k k". "2j de hh qrv k". (Dw)
3388 Unid 2145 RTTY 50/495 encrypted The header for this is :608 500. 10 WEMPE VZBH= FM ZHHZDH FOR ZSYZOT(ZHAZDZ) V V (PT) (Ary sez Polish Military -LOGS)
3532.5 Unid: British Mil,??? 1238 Piccolo-12, crypto (MC)
3542.7 GKE1 BT ????? Radio 2355 ARQ w/CW id (ANEU) (Portishead rdo -LOGS)
3550 YMA20: Ankara Meteo, TUR RTTY 50Bd RY, "05-15z 10424 & 15-05z 3550kHz" (ANEU)
3607.3 GK21 Humber Radio, G 0220 ARQ w/CW id (ANEU)
3615.7 GK21 ????? Radio, G 0220 ARQ w/CW id (ANEU) (see next log for id, LOGS) GKY1: Portishead Radio, G 0410 ARQ w/sitor Free signal, CW id. (RB)
3652 GYA: RN LONDON 1510 FAX 120/576 1200z sfc analysis. (Dw)
3655 Archangelsk Meteo, URS 0010 RTTY 50Bd RYS, wx (ANEU)
3730 LYL: Klaipeda Radio 2200 RTTY 50/200 maritime TFC (DG)
3753.6 UNID: 2200 RTTY 100/850 wx fm OEJD & Syria, Jeddah Meteo ? (ANEU) (as Day Watson pointed out, more likely Cairo Meteo on 3958 but they still run 75 baud as far as we know and Jeddah does run 100 baud traffic. Interesting! -LOGS)
4002 YRR2: Bucharest Meteo, ROU 2355 RTTY 50/425 wx (ANEU)
4002 UNID: 1715 RTTY 50/425 parts coded?, ment: "Tuzla" & CAVOK, wx?, msg ended with VVVVVVVVVVVNNNN, Bucharest Meteo? (ANEU) (yes, YRR -LOGS)
4015.7 AAA4KY: U.S. Army MARS 0241 FEC wkg AAT4XV re digital comms problem. (RB)
4060.5 Unid: British Mil,??? 2019 Piccolo-12, crypto (MC)
4100 Unid 0915 RTTY 110/170 w/enc. Paired sta. on 4164 (RM)
4175 ELP?: 2955n 08826w. login 09759 sull. (WT) (ELPG8, James N. Sullivan, a Liberian oiler -LOGS)
4178 3FCY3: MSC FEDERICA 0315 ARQ dirtlx, login 42014 3fcy3. (WT)
4209 FFT St.Lys Radio, F 0450 ARQ w/CW id (ANEU)
4210.5 KFS: San Francisco Radio 0523 FEC w/nx broadcast. (DW2)
4211 GKE2 Portishead Radio, G 0245 ARQ w/CW id, Ch:2 (ANEU)
4211.5 LGW2 Rogaland Radio, NOR 0245 ARQ w/CW id "LGB TLX", Ch:3 (ANEU)

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<td>UNID</td>
<td>1139 COQUELETh13</td>
<td>13/360</td>
<td>52.5 kHz as with 3330 kHz dual character tactical callsign in use. Exchanges but no msgs as such. (DW)</td>
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<td>Orleans, France</td>
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<td>Melbourne, Australia</td>
<td>0734 FAX</td>
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<td>Unid</td>
<td>UNID</td>
<td>0620 PACTOR</td>
<td>unid t/tf, MARS?. (RB)</td>
<td></td>
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<td>5160.5</td>
<td>Unid</td>
<td>UNID</td>
<td>0630 PACTOR</td>
<td>unid t/tf. (RB)</td>
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<td>B2C75</td>
<td>Urumqi, China</td>
<td>1830 RTTY</td>
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<td>5218</td>
<td>Unid</td>
<td>UNID</td>
<td>0602 POL-ARQ</td>
<td>100/170</td>
<td>Sounds like POL-ARQ, can't decode this mode, poss MFA Warsaw. (RB)</td>
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<td>Beograd, Yugoslavia</td>
<td>2125 RTTY</td>
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<td>Baden-Switzerland</td>
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<td>5408.7</td>
<td>Unid</td>
<td>UNID</td>
<td>1315 RTTY</td>
<td>50/850</td>
<td>Coded msgs, every msg start with: V900, e.g. &quot;V900 QXRPX (3x)&quot;, start &amp; QRT with III or 888s (ANEU)</td>
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<tr>
<td>5420</td>
<td>RFF</td>
<td>United Kingdom</td>
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<td>Bordeaux, France</td>
<td>1531 ARQ-E</td>
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<td>5731</td>
<td>YRR4</td>
<td>Budapest, Hungary</td>
<td>2300 RTTY</td>
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<td>WX (ANEU)</td>
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<tr>
<td>5732.5</td>
<td>Unid</td>
<td>UNID</td>
<td>2050 RTTY</td>
<td>50/425</td>
<td>Cont &quot;ZCZCZC...NNNNNNNN...ZCZCZCZCZC&quot; (ANEU)</td>
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<tr>
<td>5766.3</td>
<td>Egyptian Embassy</td>
<td>UNID</td>
<td>0214 ARQ</td>
<td>ATU-80 t/f, 5LG's. (RB)</td>
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<td>Berne, Switzerland</td>
<td>1007 ARQ</td>
<td>5 FGS/OTA</td>
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<td>5785.3</td>
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<td>Spain</td>
<td>1550 RTTY</td>
<td>Tlx's</td>
<td>to 14 army posts (ANEU)</td>
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</tbody>
</table>
5786.5 RFFE...: FF Bordeaux 0931 ARQ-E 72/400 circuit test (DG)
5796 Tunisian National Guard 1700 RTTY customs units w/telexes abt various
tank departures and what was visible on deck tfc (DG) (ANE)
5801 UNID: 1845 RTTY 50/125 coded or non-latin writing?, often "OMM
& numbers", many words start with K (ANE) (Day Watson suggests ATU-
80 perhaps, especially re prior log -LOGS)
5810 RFFWERM: 2137 ARQ-E 72/400 circuit test (DG)
5815 LYNX: PLACID ABUJA 2131 CW/SITOR marker "lynx" and tuning burst. (DW)
5820 Unid: 2135 ARQ-E 72/400 4crc. possibly starting up - running in sync
w/"alpha rq alpha alpha" block idles. (DW)
5861.7 RETXX: MOI Madrid 1802 ARQ MOI tfc (DG)
5872.5 Guardia Civil, Algeciras 1615 ARQ w/tfc to Guardia Civil HQ Valdemoro
(not MOI Madrid). Guardia Civil, Andalucia 0800 ARQ w/lots of info on
ETA summer bombing campaign hits on Jaen, Granada and Malaga (ANE)
5887.5 IMB32: Rome Meteo, I 2300 RTTY 50/850 RY/CQ de IMB/31/32/33 (ANE)
5909 UNID 0751 FAX 120/570 w/U.S. wx chart. (DW)
6223.3 Noble Drilling: unid rig 0254 ARQ w/well development status report
for "rig 4", after sending selcall QCCK (Portharcort). Rig Tommy
Craighed, Noble Drilling 0446 ARQ w/company report after sending
selcall QCCK (Portharcort). (RB)
6233. P3BF6: Elixir 0337 ARQ tlx for Oceanbulk, Athens. (AB2) YQGN: M/V
Histria Star 0401 ARQ bulk carrier, w/tlx after sending selcall QSPV
(SAB, Goeteborg rdo), is Calatis in ITU, login 26677 YQGN. (RB)
6263.5 C6LU3: M/V Albemarle Island 0630 ARQ Ecuadorian Lines reefer, w/BBXX
wx obs. (RB) ELSN4: PACIFIC STAR 0435 ARQ w/tlx, arr philia pilot.
login 24354 pstr. (WT)
6264.5 LLCX: Fv Moan senior tlx tfc co/ch 0520 ARQ LGU (BVR)
6267.5 LNPV3: SONG OF NORWAY 0540 ARQ w/tlx fm hotel mgr. login 32407
LNPV3: ELRV8: M/V SEABOARD OCEAN 0555 ARQ w/obs bbxx login 24973
elrv8 (WT)
6268.8 UNID 0231 RTTY 100/170 with ship's shopping list. (DLW)
6269 ELNY5: DSR Senator 0542 ARQ container ship, w/tlx to Inchcape Long
Beach w/ships chandlers order, ETA, login 24406 ELNY5. (RB) SQGD: F/V
WLOCZNK 0200 ARQ w/tlx re injured man. login 43271 sqgd. (WT)
6299.5 USRS: TH Pioner Litvy 0600 ARQ w/BBXX wx obs, tlx from master Capt
Pzdnyakov, vsl loaded w/5357 tns of phosphate. (RB)
6273.5 ELPG9: M/T GEORGE SCHULTZ 0620 ARQ w/tlx to Inchcape Long
Beach w/ships chandlers order, ETA, login 24406 ELPG9. (RB) SAB301: Goeteborg Radio, S
0515 ARQ sending out selcalls, IYPI & ISZK. (RB)
6281 UFSS: M/V ARTEM 0440 ARQ w/tlx arr montuak. login 55951 ufss. SNAO:
M/V SARE Szeresi 0423 ARQ w/tlx to bluewater bride?? eta swpas??
login 43294 snao. (WT)
6283.5 KGDF: MV Mormacstar 0509 ARQ tfc list to unid coaststation. (BVR)
6287 UNID 0216 RTTY 100/170 with encrypted traffic. (DLW)
6301.5 Unid: SHIP 0610 FEC rptd twice press report "dyaro sa dagat" via
microwavecomm/dzj asof june 23/96. signed "de jbj3/ of caribe.
report in EE, occ qrm fm ship arq as this ship (nonpaired rtty)
channel. (DW) OXNV: unid ship 0619 FEC w/press relay of DZJ nx for
Filipino crewed ships, login 76874 OXNV (9XNVx)?. (RB) JWYW: UNID
0425 ARQ clg qmca/ 32469 (no id). tried to login as 30712 jwwy, no
joy. (WT)
6302 SHIP "NORNESS" 0608 ARQ tfc to unid coaststation. (DLW)
6314.5 SAB301: Goeteborg Radio, S 0515 ARQ sending out selcalls, IYPI &
ISZK. (RB)
6317 WLO: Mobile, AL 0000 ARQ w/CW WLO marker. (RT2)
6326.5 SAB326: Goeteborg Radio 0728 ARQ tfc list (DG)
6327 URDX: M/V Aleksandr Pokalchuk 1603 ARQ in contact w/Mariuopul R. (CK)
6327.5 WOM: Miami Fla UTC? FEC nx forecast wx(RT2)
6329.5 VCT: Torscove radio tfc list 0515 FEC (BVR) VCT: CCG Tors CV, NFId, Can.
0000 FEC ships tfc. (RT2) (not Canadian CG; Globe Wireless station
-LOGS)

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6333.5 IGJ43: IN AUGUSTA 0644 RTTY 100/850 marker "igj44/igj42/igj43 /". letters appearing after igj44 & igj42 callsigns indicate frequencies acting as a carib. (DW)

6340.5 NMF: 1604 FAX 120/576 USCG Boston MA w/iceberg chart (RM)

6395 TBA3: Izmir Naval RTTY 75/850 5FG's for RTQGDBCY. (CK)

6439 LXK: Klaipeda Radio 1054 RTTY 50/200 maritime tfc (DG)

6452.5 GYA: RN London 0700 FAX 120/576 wx fax (DG)

6453 NPG: USN San Francisco 0235 FAX 120/570 with Pacific wx chart. (DW2)

6455 TBA3: Izmir Naval RTTY 75/850 5FG's for RTQGDBCY. (CK)

6469 LYK: Klaipeda Radio 1054 RTTY 50/200 maritime tfc (DG)

6484 GYA: RN London 0700 FAX 120/576 wx fax (DG)

6490 NPG: USN San Francisco 0235 FAX 120/570 with Pacific wx chart. (DW2)

6501 Unid 0345 RTTY 75/7?? coded wx data, but was unable to get an id. Possible mention of CYFC? (SW3) (CFH, Canadian Forces, Halifax, NS, CAN on 6496.4 -LOGS)

6506 CFH: CFHANFORCE Halifax 0252 RTTY 75/850 with call tape. (DW2)

6511.7 Tunisian Navy 1600 ARQ w/exercise off Monastir OTC onboard PLM Carthage (ANEE). Tunisian Navy: (unid vsi) 0305 ARQ w/FF tfc; at 0319 sending selcall XKTQ & w/"AA DE CC" tfc. (RB)

6531 TBA3: Izmir Naval RTTY 75/850 5FG's for RTQGDBCY. (CK)

6545 Unid 0345 RTFY 75/7?? coded wx data, but was unable to get an id. Possible mention of CYFC? (SW3) (CFH, Canadian Forces, Halifax, NS, CAN on 6496.4 -LOGS)

6550 Unid 0345 RTFY 75/7?? coded wx data, but was unable to get an id. Possible mention of CYFC? (SW3) (CFH, Canadian Forces, Halifax, NS, CAN on 6496.4 -LOGS)

6596.4 CFH: CFHANFORCE Halifax 0252 RTTY 75/850 with call tape. (DW2)

6671.6 Unid: 1924 UNID 250/170 unid ARQ system (MC)

6674.7 Tunisian Navy 1600 ARQ w/exercise off Monastir OTC onboard PLM Carthage (ANEE). Tunisian Navy: (unid vsi) 0305 ARQ w/FF tfc; at 0319 sending selcall XKTQ & w/"AA DE CC" tfc. (RB)

6679 SNN299: MFA Warsaw (POL) 1853z CW v-hmr (ANEU)

6684 AAGSOM: USAF MARS McChord AFB Tacoma WA 0706 PACKET w/mail for AFA5IQ & AFA5JN. (DW2)

6691.5 ECA7: Madrid Meteo, Spain 0413 FAX 120/576 w/weak chart. (RB)

6724 Unid: 0807 ARQ-E 72/400 idling (DG)

6734.5 Unid 0437 ARQ-E 192 baud idles no traffic noted. (DW2)

6763 Unid 0745 ARQ-E 192/170 Beta idler (RM) (we had prior logs of RFLIGA here before but 192/425 -LOGS)

6764 Unid 0940 FFC-A 192/170 WFWFWFWFWF... Appeared to be an open circuit. Was stepped on by Link-h11 stations on a neighboring freq. (RM)

6799.2 DEK88: ICR Bonn 0940 ARQ U/I tfc (DG)

7311 FDY: FAF Orleans 1211 RTTY 50/400 testing (DG)

7315.3 Unid UTC? COQULET 8(RT2)

7321.5 FDY: FAF Orleans 1208 RTTY 50/400 testing (DG)

7340.5 TBA3: Izmir Naval RTTY 75/850 5FG's for RTQGDBCY. (CK)

7342 RFFH: FF Marseilles 1742 ARQhE 72/400 circuit test (DG)

7348 SNN299: Polish MFA, Warsaw 1943 POLhARQ 100bd/285 Message list for Ankara via MFA computer (MC)

7353 AXI33: Darwin Meteo, AUS 1340 FAX 120/576 w/very weak chart. (RB)

7354 UNID: 1855 RTTY 75/425 5LG's QRT w/"QRZ QSL 3 CFM GB SK" (ANEU)

7357 (Soud/Brotherhood station -LOGS)

7357.5 UNID 0625 RTTY 144/170. Unable to sync on decoder using any available mode. (DW2)

7360 RFFA: MOD Paris France 0638 ARQ-E 100/850 w/idles. (DW2)

7361.2 FHUR & UI49: 0900 RTTY 50/425 simplex QSOs, Rys.Q-grps, "UI49 er FHUR" reply with "FHUR er UI49" ("er" =3D de ?) (ANEU)

7359.2 JN***: 1948 FEC 100bd/170 Time strings in UTC ending "-- jn jn --" (MC)

7363 National Guard, ARS 1656 ARS-GUARD 125/150 ACF=96 (MC)

7377 HBD20: Berne 1655 ARQ MFA (GD2)
WUN-v02

7681.1 AFALNW Unid USAF MARS 2328 packet 300bd id's AFB3DD (RHB)
7705.7 RFTJ: FF Dakar, Sen 0000 ARQ-E3 192/340 idle (rt2)
7721 AAAUSA: 1445 PACKET USA MARS Ft. Sam Houston TX relay grams fm
ABMUSA S. Korea to AAT6TTF (RM)
7721.7 TVVK: Egyptian Emb., Khartoum 2003 ARQ diplo tfc (DG)
7755.2 FF PARIS 1953 ARQhM2 200/400 4crt. 2chan tdm. chans a: and b: betas.
chan b: cct [rqf] controle de voie svc rfqp de rfqp at 203z and
2154z. circuit id indicates paris (to djibouti) not djibouti (to
paris). (DW) RFQP: FF Jibuti, DJI 0000 ARQ-E3 192/357 idle (rt2)
RFQP: 0610 ARQ-M2 200/400 FF Djibouti w/both ch idle (RM)
7775.2 Polish Emb., Helsinki 1659 POL-ARQ 100/250 diplo tfc (DG)
7780 Archangelsk Meteo, RUS RTTY 50/850 0900z wx,ry (ANEU)
7770 GYU: 0545 VFT 75/170 RN Gibraltar all ch encrypted(RM)
7784 KAWN AWS Offutt AFB Omaha NE 0645 RTTY 75/850 synoptic wx tfc. (DW2)
KAWN: Offutt AFB 1451 RTTY 75/850 AWS Elkhorn NE aviation wx 1453:
KNHC Tropical Weather Outlook from NWS Miami 1455: CWIS Iceberg
Bulletin 1457: KMKC Convective Sigmet (RM) Unid: UTC? RTTY 75/850
w/KAWN tfc, comes up for a minute or two and then quiet and repeats
the cycle over again. (RT2) (although carrying KAWN data, indications
are this is from Puerto Rico. It has been reported as 7664 & 7644.5,
AFS Offutt (probably due to the KAWN indicator), NRR, Roosevelt Roads
& as Ceiba, PR. Hopefully this mystery gets solved soon -LOGS)
7784 Unid: 0000 ARQ-E 47/407 unid (rt2)
7796.7 RFLI French Forces Fort de France Martinique 0658 ARQhE3 96/850 w/
idles. (DW2)
7802 YZD7: TANJUG Belgrade, YUG 1655 RTTY 50Bd RY, 1700z EE nx (ANEU)
YZ225: Belgrade 1224 RTTY 50/400 Tanjug (GD2)
7815 Unid: 1419 VFT/FEChA VFT 3 channel vft on usb. each channel, at
+1100, 1780, 2460 fec/aat 196bds 170hz inverted and online encrypted.
(DW)
7822.2 RFRA: MOD Paris, F 0000 ARQ-M2 200/346 tfc encrypted (rt2)
7831.7 Unid 0420 ARQ-E3 48/400 w/idle sig(RM)
7832.5 USAF MARS stations 1431 FEC rgs 1 & 2 (RM)
7834 5ST: Antananarivo 1730 ARQ-E3 48/400 Ascena (GD2)
7880 DDK3: Hamburg 1545 FAX 120/576 met (GD2)
7896.7 RFLI: FN Fort de France 0641 ARQ-E3 96/400 cdv on LIH ct (RM)
7905.2 NATO M11. ??? 2008 Link-11 (MC)
7905.5 Unid: 0000 RTTY 75/595 unid encrypted baudot 1 stop bit (rt2)
7909.7 Seismological crew, Libya 1700 ARQ tfc to company HQ (UK?) chatter
abt plane arrival til 1730 (ANEU)
7909.7 Unid 0511 FEC went QRT at tune in. (RM) (lot's of prior logs of a
seismological crew in Libya sending company tfc poss to the UK in ARQ
mode -LOGS)
7915 APNI1RT UTC? FEC USAF MARS net check ins(RT2)
7916 DGG91L2: PIAB BONN 0545 FEC-A 96/400 press in GG, to disc broadcasts
at 0545 (europe), 1245(europe) & 1500 (n asia). Latter w/June
schedules. (DW) DFG91: Bonn 1300 FEC-100 96/400 PIAB EE Press. (GD2)
7916.1 Unid 0530 RTTY ??/425 w/idle sig at slow baud rate(RM)
7921 Unid 1503 Clover Don't have eqpmt to decode this mode. CAP wings have
been logged 700 Hz higher in freq but using packet radio. (RM)
7928.3 Unid 0513 RTTY 75/850 w/enc(RM)
7939.3 Unid 0513 RTTY 75/850 w/enc(RM)
7946 RFFVITT: 1800 ARQ-E 96 tfc to RFFKVHH msg servicing, line checks.
(ANE) RFVI: Le Port UTC? ARQ-E 96/415 FF Reu idle (RT2)
7959 9BC23: IRNA Teheran, IRN 1700 RTTY 50/425 EE nx (ANEU)
7964.2 Portuguese State Police 1700 ARQ Ponta Delgada and Santa Maria Azores
Islands w/tfc in ARQ/FEC to COMGERPSP (Police General Command) Lisboa
til 0300 (ANEU)
7975 SPW: PAP News Agency 1506 FEC maritime nx wimbledon results currency
etc. (EW)
7983.7 RFTJ: 0514 ARQ-E 48/400 FF dakar idle sig(RM)
7971.7 SOH299 Warsaw Meteo,Poland 2038 Rtty ??/50bd met data (RHB)
8017.8 Unid 0528 RTTY 75/850 w/enc(RM)
8020 HMFS85: KCNA Pyongyang, KRE 1820 RTTY 50/170 EE nx (ANEU)
Unid 0520 VFT 75/170 12 ch all encrypted(RM)
8023 MFA Moscow 1625 PICOLLO 33 TONES CANNOT DECODE. (EW)
8026.7 MFA Cairo 1642 ARQ diplo tfc (DG)
8040 GFA23: Bracknell Meteo, G 0248 FAX 120/576 wefax, fair; at 2302
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w/good chart. (RB) GFA23: Bracknell Meteo UTC? FAX 120/576 fair (RT2)

8050.2 Jibuti UTC? ARQ-M2 200/375 FF controle de Voie 1801 trf encrypted (RT2).

8077.6 Unid: 1632 UNID 144bd idling cannot decode narrow shift only 120HZ.

8080 NAM: USN Norfolk 0321 FAX 120/576 w/Oceanographic Features Analysis chart. (Dw2) NAM?: Cutler, Maine UTC? FAX 120/576 very good quality (RT2). (info is that NAM closed and the facility was moved to Cutler, Maine well over a year ago and that Cutler uses "NAA". -LOGS)

8084.7 MKK London, Army?, England, UK 0017 Rtty 120/576 w/Oceanographic Features Analysis chart. (Dw2) NAM?: Cutler, Maine UTC? FAX 120/576 very good quality (RT2). (info is that NAM closed and the facility was moved to Cutler, Maine well over a year ago and that Cutler uses "NAA". -LOGS)

8086.5 MKK: RAF London, G 1515 VFT/RTTY 50Bd RYI/Foxes, id (ANEU)

8088.5 MKK: RAF London, G 1135 VFT/RTTY 50Bd RYI/Foxes, id (ANEU)

8097.7 GXQ: BA London, G 1505 VFT/RTTY 50/170 RYI/Foxes, id, other RYI tape on channel 8112.2, 8112.9 50/170 (ANEU)

8137 TCY1: AA Ankara, TUR 1530 RTTY 50Bd TT nx. 1430z FF nx (ANEU)

8146.5 IMB55 Rome Meteo?, Italy? 0030 Fax 120/576 met map weak sig no id (RHB)

8151 IGJ4x: Italian Navy 1637 RTTY 100 repeats IGJ4x XIGJ42 XIGJ43. (Ew)

8151.8 IGJ44: Italian Navy 1637 RTTY 100 repeats IGJ44 XIGJ42 XIGJ43. (Ew)

8175 68JKL: 1740 RTTY 100/850 "67YTR de 68JKL"/Foxes/RY/ "INT ZBZ K" direct after RTTY QRT on 8315.0 USB UNID language (S'EU). Spanish Military? 1605z RTTY 75/850 coded after RYs, no id, mini msgs, msgs start all w/: 16 RYs, "VMGTCNJ (character:1 line dwn)BH", MARK carrier transmits between each single msg (ANEU)

8181.2 UNID: 1745 UNID/RTTY Shift 850Hz, Format like ital. Navy on 8304.5 kHz, msgs start & end with YYYY (or JJJ or ' '), UNID speed) coded msg to INy vessels (see Military-Logs) (ANEU)

8191.8 9MR: MNy Johor Baharu, MLA 1540 RTTY 50/850 RY "RY JULL JULL 9MB 5/11 RMMJ MRB GSGS" (ANEU)

8267.7 Egyptian MFA, Cairo 1716 ARQ ATUh80 msgs to Embassy London "dmg" s/c "XBVY" (MC)

8304.5 Ital. Navy Net 1435 UNID/RTTY-Sys Shift 850Hz, after SSB/USB -xx-coordination-QSOs, SSB-Fq 8302.5 kHz. Msgs starts & end w/ YYYY (or JJJ or ' '), UNID speed) coded msg to INy vessels (see Military-Logs) (ANEU)

8318.7 68JKL: 1740 RTTY 100/850 "67YTR de 68JKL"/Foxes/RY/ "INT ZBZ K" direct after RTTY QRT on 8315.0 USB UNID language (S'EU). Spanish Military? 1605z RTTY 75/850 coded after RYS, no id, mini msgs, msgs start all w/: 16 RYS, "VMGTCNJ (character:1 line dwn)BH", MARK carrier transmits between each single msg (ANEU)

8323.8 UNID: 1745 UNID/RTTY Shift 850Hz, Format like ital. Navy on 8304.5 kHz, msgs start & end with YYYY (or JJJ or ' '), sri UNID speed), see 8335.8 kHz but found no fone-SSB coordination-freq., no carrier between each msg (ANEU)

8335.8 UNID: 1700 UNID/RTTY Shift 850Hz, Format like ital. Navy on 8304.5 kHz, msgs start & end with YYYYs (or JJJs or ' 's, sri UNID speed), see 8323.8 kHz, but found no fone-SSB coordination-freq., no carrier between each msg (ANEU)

8336.8 DhJ59: Gny Wilhelmshafen, D 1730 VFT ?/170Hz, ch. 1/+1190Hz, see f0 8335.5 kHz (ANEU)

8337.5 DhJ59: Gny Wilhelmshafen, D 1730 VFT ?/170Hz, ch. 2/+1870Hz, see f0 8335.5 kHz (ANEU)

8338.2 DhJ59: Gny Wilhelmshafen, D 1730 VFT ?/170Hz, ch. 3/+2550Hz, see f0 8335.5 kHz (ANEU)

8340.5 MPKV: 0438 FEC Repeated Callsign MPKV (MS5) (see Digital Review Column in Jan.96 WUNNEWS -LOGS)

8377.5 UYSJ: TKH Giuseppe Di Vittorio 0106 ARQ Ukrainian flagged cargo vsl, w/ODSTLG crew TG's via Odessa Radio. EORO: TKH Arkadiya 0410 ARQ w/tfc to Odessa Inflot, this may be a new ship replacing the former EORO, TKH Azerbaydzhan, sold Jan.1996 to become the Star Venture. (RB) WLVD: SS LURLINE 2333 ARQ w/bbxx login 10987 wlvld. WSLH: SS MAUI 0250 ARQ rx only, login 10724 ws1h. 9GUY: M/V KETA LAGOON 0302 ARQ eta panama. WSRH: SS KAUIAI 1620 ARQ 30.9n 131.1w login 11330 wshr. OLGH: M/V OTAVA 0602 ARQ w/tlx to bratislava, slovak rep. (WT)

8379 C6KR7: M/V WINTER MOON 0400 ARQ w/tlx, 0926n 07956w. login 26125 winnon. YQGN: M/V HISTRIA STAR 0215 ARQ w/tlx's, eta genoa. login 26677 yqgn. ATPN: M/V HARGOBIND 0802 ARQ wkg jna. login 23590 hrgd. (WT)
WUNhv02

8380  Y3ZT8: M/V Golden Sun 0032 ARQ w/tlx to Chartworld, Piraeus. UVLQ: TKH Marshal Zhukov 0558 ARQ w/arrival rlx for "Road Algeciras" via St Lys Radio. (RB)

8380.5 9VCS: Kota Indah 1410 ARQ w/testing please ignore tlx, selcall 01872. (AB2) N/A: Esmeralda (BE-43) 0005 ARQ Chilean Navy four-masted training schooner wkg CBV, Valparaiso Radio, Chile, w/military formatted msg tcf, SGL's, login 19006 ESME. (RB)

8381  OXAF4: M/V Kamsar Trader 0454 ARQ w/tlx re arrival Calgary. (RB)

8381.5  SQNR: Praca 1226 ARQ w/tlx for Ulsan Steel, selcall 43126. 9VBA: Tune Alexander 1240 ARQ w/obs msg to Hong Kong. (AB2) 9HNO3: M/V MLJET 0253 ARQ in opr mode login 13654 mlje. YLAP: M/V P. SHERNBERGERS 0155 ARQ w/svc msg, qsl for 16 msgqs. login 60620 ylap. (WT)

8382  OXDF3: M/V Torm Freya 0833 ARQ w/BBXX wx obs to 'Wash D.C. meteo'. (RB) 9HYM3: M/V Kavo Maleas 0303 ARQ w/tlx to report loading, Mississippi River, passes ships info, bound Bayuquan, CHN; Psan, S.Korea & Vera Cruz, MEX. SGIX: Unid 0831 ARQ w/tlx re sailed Tacoma, ETA Uraga pilot, login 29562 SGIX, ID? login 29562 SGIX. "C477": M/V CORYTON 0618 ARQ sailed recalada, eta vera cruz. login 29636 coryton. (WT)

8384  EIOQ: M/V ARAM KHACHATURYAN 0256 ARQ w/tlx's, missed login. (WT)

8384.5  C4XH: Derby North 1337 ARQ w/tfc, selcall 29323. (AB2) 9HYM3: M/V Kavo Maleas 0303 ARQ w/tlx to report loading, Mississippi River, passes ships info, bound Bayuquan, CHN; Psan, S.Korea & Vera Cruz, MEX. SGIX: Unid 0831 ARQ w/tlx re sailed Tacoma, ETA Uraga pilot, login 29562 SGIX, ID? 9VBA: Tune Alexander 1240 ARQ w/obs msg to Hong Kong. (AB2) 9HNO3: M/V MLJET 0253 ARQ in opr mode login 13654 mlje. YLAP: M/V P. SHERNBERGERS 0155 ARQ w/svc msg, qsl for 16 msgqs. login 60620 ylap. (WT)

8385  LSXPC: M/V Crystal Prince 0550 ARQ w/posn tlx via Oostende Radio, 1952N/07337W, ETA Manzanillo (Dominican Republic). (RB)

8387  ELNV2: Sevastaki 1324 ARQ w/tfc. (AB2) 3BJE: M/V BEL AZUR 0108 ARQ w/tlx, login 02754 bela. (WT)

8387.5  EOXT: Goryn 0410 RTTY 50/170 RY's/DE EOXT to Odessa. (AB2) LXDC: M/V CRYSTAL PRIMADONNA 0528 ARQ w/tlx login 29056 lxdc. (WT)

8388  BSJK: Jin Zhou 1407 ARQ w/tfc. BPRT: Sheng Li 7 1417 ARQ w/tfc. (AB2) 8389  UQTD: BKRT Nataliya Kovova 0306 RTTY 50/170 admin tcf to Sevastopol SGP Atlantika via master KMD Nikiforov. (RB)

8390  UQTD: BKRT Nataliya Kovova 0306 RTTY 50/170 admin tcf to Sevastopol SGP Atlantika via master KMD Nikiforov. (RB)

8391  J8EX5: M/V RACISCE 0235 ARQ w/tlx to star reefers. login 26545 racisc (WT)

8392  UQTD: BKRT Nataliya Kovova 0306 RTTY in 50/170 admin tcf to Sevastopol SGP Atlantika via master KMD Nikiforov. (RB)

8393  KPJC: LPG/C CORNUCOPIA 0538 ARQ w/obs bbxx. (WT)

8394  ALU4: RAVNANGER 0135 ARQ w/tlx to 'Wash D.C. meteo'. (RB)

8395  UQTD: BKRT Nataliya Kovova 0306 RTTY 50/170 admin tcf to Sevastopol SGP Atlantika via master KMD Nikiforov. (RB)

8397  UBLE: Kapitan Nazin 1425 RTTY 50/170 crew TG's, ex-Kopli? (AB2)

8398  YQGN: Histria Star 0357 ARQ w/tlx to report loading, Mississippi River, passes ships info, bound Bayuquan, CHN; Psan, S.Korea & Vera Cruz, MEX. SGIX: Unid 0831 ARQ w/tlx re sailed Tacoma, ETA Uraga pilot, login 29562 SGIX, ID? login 29562 SGIX. "C477": M/V CORYTON 0618 ARQ sailed recalada, eta vera cruz. login 29636 coryton. (WT)

8398.5  UQTD: BKRT Nataliya Kovova 0306 RTTY 50/170 admin tcf to Sevastopol SGP Atlantika via master KMD Nikiforov. (RB)

8399  UKTO: Olyutorskiy Zaliv 0340 ARQ msg ck. (AB2) UKTO: TR OLYUTORSKIY ZALIV 0210 ARQ w/tlx to report loading, Mississippi River, passes ships info, bound Bayuquan, CHN; Psan, S.Korea & Vera Cruz, MEX. SGIX: Unid 0831 ARQ w/tlx re sailed Tacoma, ETA Uraga pilot, login 29562 SGIX, ID? login 29562 SGIX. "C477": M/V CORYTON 0618 ARQ sailed recalada, eta vera cruz. login 29636 coryton. (WT)

8400  UQTD: BKRT Nataliya Kovova 0306 RTTY 50/170 admin tcf to Sevastopol SGP Atlantika via master KMD Nikiforov. (RB)

8401  UQTD: BKRT Nataliya Kovova 0306 RTTY 50/170 admin tcf to Sevastopol SGP Atlantika via master KMD Nikiforov. (RB)

8402  UQTD: BKRT Nataliya Kovova 0306 RTTY 50/170 admin tcf to Sevastopol SGP Atlantika via master KMD Nikiforov. (RB)

8403  UQTD: BKRT Nataliya Kovova 0306 RTTY 50/170 admin tcf to Sevastopol SGP Atlantika via master KMD Nikiforov. (RB)

8404  UQTD: BKRT Nataliya Kovova 0306 RTTY 50/170 admin tcf to Sevastopol SGP Atlantika via master KMD Nikiforov. (RB)

8405  UQTD: BKRT Nataliya Kovova 0306 RTTY 50/170 admin tcf to Sevastopol SGP Atlantika via master KMD Nikiforov. (RB)

8406  UQTD: BKRT Nataliya Kovova 0306 RTTY 50/170 admin tcf to Sevastopol SGP Atlantika via master KMD Nikiforov. (RB)

8407  UQTD: BKRT Nataliya Kovova 0306 RTTY 50/170 admin tcf to Sevastopol SGP Atlantika via master KMD Nikiforov. (RB)

8408  UQTD: BKRT Nataliya Kovova 0306 RTTY 50/170 admin tcf to Sevastopol SGP Atlantika via master KMD Nikiforov. (RB)

8409  UQTD: BKRT Nataliya Kovova 0306 RTTY 50/170 admin tcf to Sevastopol SGP Atlantika via master KMD Nikiforov. (RB)

8410  UQTD: BKRT Nataliya Kovova 0306 RTTY 50/170 admin tcf to Sevastopol SGP Atlantika via master KMD Nikiforov. (RB)

8411  UQTD: BKRT Nataliya Kovova 0306 RTTY 50/170 admin tcf to Sevastopol SGP Atlantika via master KMD Nikiforov. (RB)

8412  UQTD: BKRT Nataliya Kovova 0306 RTTY 50/170 admin tcf to Sevastopol SGP Atlantika via master KMD Nikiforov. (RB)
(stern)/super freezer vsl owned by Deep Sea Trawlers of Tallinn w/RVRY/DE to UIW, & 3 day catch/hold report from master Chistyakov using hull/#/ID RTMS-7583. (RB)

8413 Unid: sc kyvv St. Petersburg 0448 ARQ radio (BVR) UTUO: TH Professor Nikolay 0423 ARQ -Baranskiy w/tfc to St Petersburg Radio after sending selcall KYVV (UGC). (RB)

8416.5 NMO: USCG CommSta Honolulu 0435 FEC w/wx forecast. (RB)

8417.5 KFS: San Fransisco radio 0527 FEC 05.30 hello all stations mgs 0533 tfc 1st (BVR)

8426.5 WCC: Chatham radio tfc 1st 0445 FEC (BVR)

8449 Unid: 0000 RTTY 75/281 unid. (RT2)

8453 HWN Paris-Houilles ,France 0032 Rtty 850/75bd French Navy test tape w/id: DE HWN DE HWN DE HWN rpt's (RHB)

8479 FUF Fort de France ,Martinique 2050/0011 Rtty 850/75bd French Navy test tape w/id: DE FUF (RHB)

8492.8 Unid: 0000 RTTY 75/170 unid. (RT2)

8677.5 UGC: ST PETERSBURG RADIO 1510 FEC press broadcast in 3sc. started 1515z, doesn't appear to be transmitted on any other (known) ugc frequencies. ends "mailbox empty connection time = 038 mins. reverts to marker "ugc" (DW)

8697 unid UTC? RTTY 75/850 (RT2)

8846.4 Tunisian MFA, Tunis 2126 FEC 5Lgs and opchat in FF (MC)

9041 5YE: NAIROBI MET 1723 RTTY 100/400 marker "cq de 5ye and ry's" interleaved with met tfc. (DW)

9044.9 5YE: NAIROBI MET 1728 FAX 120/576 significant wx chart. (DW)

9076.7 RFFA: MOD Paris, F 0000 ARQhE3 192/400 idle (RT2)

9082 GXQ: RN LONDON 1832 VFT// 8 channel dcn interleaved vft on usb. (DW)

9082.5 GXQ: RN LONDON 1839 VFT RTTY 50/340 9082.595. chan 1 (eng) in vft. idle on mark. (DW)

9082.7 GXQ: RN LONDON 1841 VFT RTTY 75/340 9082.765. chan 2 in vft. acf7, on line encrypted. (DW)

9083.2 GXQ: RN LONDON 1844 VFT RTTY 75/340 9083.275. chan 3 in vft. idle on mark, occ blocked encrypted tfc. entry reversals and vmgtcnj. (DW)

9083.4 GXQ: RN LONDON 1851 VFT RTTY 75/340 9083.445 chan 4 in vft. acf7. online encrypted tfc. (DW)

9083.9 GXQ: RN LONDON 1906 VFT ARQ-M2 96/340 9083.955. chan 5 in vft. 2 chan tdm 4crc. poor sync. (DW)

9083.9 GXQ: RN LONDON 2155 VFT ARQ-M2 96/340 9083.955. chan 5 in vft. 2 chan tdm 4crc. ch:a alp[has ch:b betas. (DW)

9084.1 GXQ: RN LONDON 1915 VFT UNID 96/340 9084.125. chan 6 in vft. unid mode. acf 5 and 80. (DW)

9084.5 Unid 0713 ARQ-E 72/170 w/RQ sig (RM)

9084.6 GXQ: RN LONDON 1924 VFT ARQ-M2 96/340 9084.635. chan 7 in vft 2 chan tdm 4crc. chan a: met tfc. chan b:betas. (DW)

9084.8 GXQ: RN LONDON 1947 VFT RTTY 100/340 9084.805 chan 8 in vft. acf blocked online encryption. start with reversals and vmgtcnj. (DW)

9089.7 NPG: USN Stockton CA 0739 FAX 120/576 wx chart 300 Hz low in freq. (RM)

9111.7 Egyptian Embassy, Bonn 1818 FEC ATU-80 MSGs to MFA Cairo "jg y----lg" (MC)

9126.7 RFTJD: Libreville UTC? arq-e3 192/390 ff idle (RT2).

9161.7 MFA Cairo 1815 ARQ tfc to UNID Embassy, qrt atu-80 (ANEE)

9200 FUX: FN Le Port, REU 0000 RTTY 75/850 encrypted.(RT2)

9206 Egyptinian Embassy, Paris 2132 FEC ATU-80 MSGs in SBRs mode marked "jg yphg ykfps" (MC)

9208 V5G: 2120 ROU- FEC 164.481/400 MFA Bucharest w/jurnalul national rompresp. Also brief Cw xmsn during bcst (RM)

9211.7 Egyptian Embassy,?? 1559 ARQ ATU-80 tfc (MC)

9213.5 Unid: RTTY 75/765 unid (RT2)

9221.7 Egyptian MFA, Cairo 2101 ARQ ATU-80 MSGs to various embassies (MC)

9241.7 Egyptian Embassy, Algiers 1757 ARQ ATU-80 MSGs and SFGs "from boustan alger" (MC)

9300 Unid 2205 RTTY 75/850 w/enc (RM)

9323 Unid 2039 ARQ-E/72 idling past 0100 when sig. begins fading away. Have logged RFFXI FF Versailles F using ARQ-E/72 one kHz higher in freq. (RM)

9330 Unid 0720 RTTY 110/170 encrypted (RM)

9395 HMF84: Pyongyang, N. Korea 1758 RTTY 50/200 KCNA nx in FF. (AB2)

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9961.8 Unid 1642 RTTY 75/850 encrypted (RM)
9967.7 LYNX: PLACID ABUJA 2208 CW/SITOR marker "lynx" and tuning bursts. (DW)
9970 JMH3: Tokyo Meteo 1632 FAX 120/576 J wx chart very good copy (RM)
9983.5 Unid: ARQ-E3 100bd Unid 0106 ARQ-E3 100bd/425 sync'd idle (RHB)
(Day Watson sez FF Paris logged here before -LOGS)
10061.6 Egyptian Embassy, Rome 1907 ARQ ATU-80 MSGs and 5LGs to MFA Cairo (MC)
10111.3 Unid:1000 ARQ-E3 96/400 RQ sig. Listed in Klingensuss as FJY2 DTRE
Port-aux-France Kerguelen Is (RM)
10112.2 Unid: 0647 ARQ-M2 200/400 4crr. 2ch tdm, CCIR242. signal poor but
this is only mode which causes sync and intermittent beta
flag. acf8 and 56. monitor to disc all day w/o achieving further info. (DW)
10130 RBX73: Tashkent UTC? RTTY 50/850 meteo uzb wx (RT2)
10132.1 TNL: ASECNA, Brazzaville 2020 RTTY 50/645 AAXX WX for African
Airports (MC)
10152.2 Russian Mil,??? 1602 MS-5 12 tone vocoder (700Hz pilot – on LSB) (MC)
10160.9 Unid: 1530 PACTOR 100/200 stand. pactor. tfc in french. two stations
on net. ends with "fin de transmission ******** -urwttte bwte tebe fev." (DW)
10161 SNN299: MFA Warsaw 1617 POL-ARQ 100 polish msgs, (EW)
10174.5 RET????: Spanish Mil/police,??? 1703 ARQ 100/400 MSG in SS (MC)
10175 UNHCR Nouakchott, Mauritania 0800 ARQ msg about stats of 5400 refugees
in UNHCR camps. (ANE) UNHCR: Africa? 2122 ARQ Reports in FF followed
by rtpd selcal "HCXL" (MC)
10177.7 RFFA: MOD Paris, F 0000 ARQ-E3 192/425 idle (RT2)
10202 MKK: Royal Air Force, London 2052 VFT: 7ch of 50bd/170 baudot, "quick
brown fox... test de mkk" (MC)
10215 HZN48: Jedday Meteo, ARS 1520 RTTY 100/850 wx (ANEU)
HZN46 Jeddah Meteo Saudi Arabia 0149 Rtty 787/100bd met data (RHB)
HZN48: Jedday UTC? RTTY 100/794 meteo ars wx baudot 15 stopbit (RT2)
HZN48: Jedday Meteo, Saudi Arabia 2010 RTTY 100bd/850 AAXX rpts (MC)
10218.8 Unid UTC? 40/475 urs multitone (RT2)
10280 MKK: London UTC? RTTY 50/240 RAF rys/foxes/0-9 (RT2)
10293.7 261***,101***: N.Africa? 1823 PACKET 300bd/200 Encoded BBS messages
(MC)
10372 Russian Navy,??? 1838 36-50 50bd/250 tfc (MC)
10379.9 Unid 0014 RTTY 110/170 w/enc (RM)
10380 Unid: 1013 RTTY 110/170 w/enc (RM)
10411.7 Egyptian Embassy, Paris 1847 ARQ 5LGs & ATU-80 MSGs to MFA Cairo "jg
yphkg ykfsp" (MC)
10428 unid UTC? FEC-S 75/838 (RT2)
10428.5 unid UTC? RTTY 75/#### (RT2)
10431.3 Unid 2055 UNID 150bd/1700 Unid FSK System, extremely wide shift (MC)
10435.3 Spanish Army Comms Centers 2040 ARQ Araca and Vitoria, Territorial
Comms Center w/net msg tx/rx daily stats telex (ANE) SA VITORIA NET
0646 ARQ 100/300 single freq ops. tfc in spanish. use of z codes
(military) zue/zub. all day mon to disc. large number of routing
indicators/locations. selcal in use v vivi assuming units calling sp
army vitoria, further tfc at 1100. (DW) RETENT: Spain 1100 ARQ Tfc in
Spanish (PT)
10442 NATO Mil. 2026 RTTY 100bd/850 Sixteen RYS and "vmgtcnjbh" crypto
lead-in (MC) unid UTC? RTTY 100/855 baud 10 stopbit (RT2)
10442.6 Unid: 1015 ASCII 300/300 w/enc (RM)
10461.7 Egyptian MFA, Cairo 1608 ARQ 100bd/170 Calling Embassy Madrid selcal
"XBVF" (MC)
10473 French Diplo 1849 ARQ6-90 200bd/850 idle in IRS mode ending in "kkk"
and off (MC)
10493.7 RPT3F: Port Bouet, CTD 0000 ARQ-E3 48/400 idle (RT2).
10512.7 RFLI: FF Fort De France, MRT 0000 ARQ-E3 192/375 idle. (RT2) RFLI:
French Forces, Fort de 0119 ARQ-E3 France, Martinique, in 192/425
idling. (RB)
10524 KCNA Pyongyang N.Korea UTC? RTTY 50/400 nx in ff (RT2).
10536 CFH: Halifax Ns Can UTC? RTTY 75/489 15 stopbit wx(RT2)
10540 MFA Moscow 1557 PICOLLO 33 tones cannot decode. (EW) (Day Watson sez
this isn't Picollo but rather a CIS mfsk system using 36 tones of
Page 604
which 32 are normally seen in blocks of 10 11 11 -LOGS)
10542.3 Unid 0005 RTTY 150/850 w/enc (RM)
10542.5 unid UTC? RTTY 75/835 1.5 stopbit (RT2)
10551.3 GLPL23: Bracknell meteo UTC? RTTY 75/390 20 baudot stopbit wx\ry (RT2)
10560 XVN37: Hanoi 1500 RTTY 75/400 VNA Eng Press (GD2)
10580 HMF46: Pyongyang, N. Korea 1450 RTTY 50/200 KCNA nx in EE. (AB2)
Pyongyang N Korea UTC? RTTY 50^258 KCNA nx in ee, 1 stop bit(RT2)
10665.5 British Mil. 1604 Piccolo-12, tfc (MC)
10733 Unid: 1552 81h81 81bd cannot decode. (EW)
10797.7 RFLI?: French Forces, Fort de France, Martinique 0123 ARQ-E3 in
192/425 idling, this was 96 baud. (RB)
10821.6 Egyptian MFA, Cairo 1650 ARQ Calling selcal "TVVS" (Embassy Kuwait)
(MC)
10856 MKK: RAF London 0840 RTTY 50/340 VFT Aggregate of signals including
ARQ-M2 ID with ryi + foxes.(PT)
10865 GXQ: London 1000 RTTY 50/340 VFT British Army (PT)
10870 unid UTC? HC-ARQ638 240/560??(RT2)
10873.7 RFFZ: Le Port UTC? ARQ-E3 100/378 idle (RT2)
10927.5 British Mil. 1942 VFT: 4ch of Piccolo-6, eng ch. idle (MC)
10927.9 British Mil. 1942 VFT: 4ch of Piccolo-6, ch 1 crypto tcf (MC)
10928.3 British Mil. 1943 VFT: 4ch of Piccolo-6, ch 2 idle (MC)
10928.7 British Mil. 1944 VFT: 4ch of Piccolo-6, ch 3 idle (MC)
10952 HBD: MFA Berne 1545 ARQ 5LGS. (EW)
10954.8 RFTJF Port Bouet,Cote de Ivorie 2115 ARQhE 850/48bd French Forces
idle (RHB)
10955.2 Unid 0700 ARQhE 48/850 w/idle sig (RM)
10980 RDD75: MOSCOW MET 1458 FAX 120/576 weak outlines in noise //7670.
(Dw)
10991 RFFVAY: Sarajevo 1850 ARQ-M2 200/385 Flight info traffic to RFFVY via
"FKWB" circuit. (PT)
Unid 2004 PICCOLO sends brief msgs periodically on 2-ch sys Turns off
xmr between msqs. Sig strength seems to indicate from North America,
also on 10992. (RM)
11013.7 MFA Cairo 1600 ARQ w/circular, press and info ministry circulars to
all embassies atu-80 til 1700 (ANEE) Egyptian MFA, Cairo 1617 ARQ
idle in IRS mode (MC)
11023.7 MFA Cairo 1700 ARQ tcf to Embassy London atu-80 msqs (ANEE)
Egyptian MFA, Cairo 1717 ARQ Calling selcal "KXXI" (MC)
11030 AXM34: MELBOURNE MET 0634 FAX 120/576 chart for indian ocean ne of
Australia. (DW)
11043 WJI: Location Unid 1500 RTTY 100/856N unid ARQ-E3 station on this
freq to 1500. As soon as he went off the air this sig. vy strong came
on with RY's and "WJI WJI QSY43 QSY43" then "WJI WJI R R R R R R R R R R ZAP6 ZAP6 ZAP6". When he had established comms
he switched to unid mode (PT)
11043.3 RFTJD: French Forces, Libreville, GAB 0125 ARQhE3 192/425, idling.
(RB)
11043.7 RFTJD: 2027 ARQ-E3 192/400 FF Libreville GAB on JDJ ct w/de rftjd zfx
TJD907 msg to RFTJ Dakar SEN. was only msg seen during 28-hr
monitoring period. Excellent reception entire time. Xmr is
occasionally shut off for about an hour or so then RF TJD returns
w/idle sig. (RM)
11072.3 RFGW: MFA Paris 1537 FEC-A 192 idling no traffic. (EW)
11077.5 RETWBB***: Guardia Civil, Barcelona 1625 ARQ 100bd/400 Sinclas MSqs
to RETXO mkd "fm jcorc barcelona" (MC)
11137 Unid 1550 FAX 120/576 w/wx charts +1600 +1610. Continuously fading
sig. just audible at 1615(RM)
11163.5 French diplo,?? 2139 TT2300b 100bd idle (MC)
11164.3 DOR***: Bulgarian MFA, Sofia 2059 IRA-ARQ 300bd/500 Call-up in
75bd/500 Baudot to "PMO" Washington (MC)
11202.1 unid: 1746 7 tones, 200Hz spacing, each tone 100bps 4DPSK modulated
(MC)
11203.5 French diplo,?? 1830 TT2300b 100bd idle (MC)
11221.7 Egyptian MFA, Cairo 1907 ARQ ATU-80 MSGs to various embassies (MC)
11272.1 Unid: 1640 UNID 100bd? 4 tone UNID Clover System, (-600/-200/+200/
+600) ACF=190? (MC)
11385.7 MFA Cairo 1345 ARQ w/Embassy Baghdad atu-80 messages (baghdad
selcall= TVVC) Baghdad/Cairo link on 7751.7 (ANEE)

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12482 WUHV02 ships) wkg CBV using login 19006 ESME. (RB)
WWPO: M/V Advantage 1448 ARQ break bulk cargo vsl, w/BBXX wx obs, login 11979 WWPO. 9VLU: M/T Neptune Dorado 1558 ARQ passing vsl info to establish account, selcall 78384, 'answerback' 26315 NEPTO X, rdo authority BE02, MMS 563051000. ELIT6: M/V Bona Shimmer 1715 ARQ w/AMVER/PR, 1732N/08023W, port St James, La., login 24304 SHIM. C6KE4: M/V El Pamerro 1730 ARQ w/AMVER/PR, 0349N/07525W, port Newport, Va., login 61333 ELPAMP. (RB)
12483 UWFL: Serov 1339 ARQ tfc for Hong Kong & Bangkok, selcall 67800. (AB2) P3EZ5: M/V PACIFICATOR 0445 ARQ w/tlx, login 19006 pafi. OXHU: ITALIAN REEFER 0534 ARQ w/amver/pr 2720N 0710W. login 9943 oxhu. (WT)
12486 UNFL: Serov 1339 ARQ working varna/lzw. (DW) (Stoyko Peyev -LOGS)
12486.5 WEZM: SS EWA 0048 ARQ w/e-mail. login 10949 wem. WFDW: KEYSTONE RHODE ISLAND 0354 ARQ w/qrg rpt. login 11227 wfdw. (WT)
12488.5 UVRB: TKH Kapitan Spivak 2210 ARQ w/admin tlc to Novorossiysk Radio from master KM Achykin. (RB)
12490 NZAU: USNS Sumner (ThAGSh61) 2002 ARQ w/Unclass BBXX wx obs to NAVALMETOC/CEN Norfolk via NMN. (RB)
12493.5 EORU: TKH Boris Babochkin 2137 ARQ w/admin tfc to Mariupol Morflot from master KM Bidenko, login 67816 EORU. KEOM: SS Golden Gate 2145 ARQ w/tlx for status of voyage 90, posn 2828N/11601W. (RB) 3EAW7: M/V PACIFIC RIDER 0034 ARQ w/tlx. login 12593 3eaw7. (WT)
12500 KPSB: Coronado 1350 ARQ QRG report, selcall 10749. (AB2) WGXN: M/V President Garfield 1706 ARQ last known to be American President's container ship President Garfield, with login for app msg ck (no name used), login 11734 WGXN. (RB)
12512 UTXJ: TKH Vera Khoruzhaya 2126 ARQ Ukrainian flagged Ro/Ro Cargo vsl, w/crew TG's. USEZ: TKH Znamya Oktyabrya 2236 ARQ w/crew TG tcf. (RB)
12512.5 UCSA: RTMS Eysk 2235 RTTY in 50/170 C54 report to Novorossiysk Radio from master KM Bezborodov. DQLL: M/V Sea Excellence 2258 FEC 37,000 DWT containership just launched in 1996, w/"test" transmissions. (RB)
12515 UUZU: TKH Vega 2135 RTTY in 50/170 DISP/1 report's to Odessa Radio from master KM Veove. (RB)
12521 UPZF: TK Nikifor Rogov 2214 RTTY 50/170 W/R admin msg w/agents info for Santiago, Cuba from master KM Silchenkov. (RB)
12562.5 UQTK: TR Ussuriyskiy Zaliv 2123 RTTY 50/170 Ukrainian reefer w/crew TG's. LYAB: TR Narvos Ilanka 2151 RTTY 50/170 Lithuanian reefer, Pagina 607
12563 BZ: RTMS Atoll 2120 RTTY in 50/170 crew TG's to Novorossiysk Radio, also asks to send for unid vsl TKH Mavritaniya. (RB)

12563.9 UEYP: TKH Tonya Bondarchuk 0223 RTTY 50/170 w/admin RR TG from master KM Sugak to Murmansk Shipping Co, vsl has cargo of 24,250 MT's of bagged sugar. (RB)

12565.5 UNNI: RTMS Chernyashev 2141 RTTY 50/170 Rybolovnyj Trauler Morilzhnyj (RTMS), or super fishing trawler/super freezer vsl, w/crew TG's to K-grad (KLD/MRH). URAF: TKH Tarkhansk 2147 RTTY 50/170 w/admin TG to Vladivostok Vostmaransflot (VTF) from master KM Ilin, via Moscow Radio, UAT. (RB)

12566 UHLW: BMRT Leonid Novospasskiy 2253 RTTY 50/170 Russian long range/endurance large freezer factory trawler, w/crew TG's using hull#/ID MAh0015 (MRM/KRH) to Murmansk Radio. EMSV: MIh1553 (unid) 2306 RTTY 50/170 w/tfc using hull#/ID MI-1553, name is unknown. (RB)

12566.5 EOSJ: TR Granitnyy Bereg 2127 RTTY 50/170 Ukrainian 11,746 DWT reefer, w/revised sailing plans due to bad wx. UAYV: BMRT Aleksandr Gryaznov 2327 RTTY 50/170 Russian long range/endurance large freezer/factory trawler w/RYRY/DE to UIW, Kaliningrad Radio, no joy. (RB)

12571.5 ESMD: RTMS Kormoran 2124 RTTY in 50/170 crew TG's to Tallinn Radio using hull#/ID RTMS 7535/Kormoran, app chg from RTMS Lembit Pern, 4th logging using this name. (RB)

12572.5 UYTB: RTMKS Rybakh-1 2153 RTTY 50/170 Ukrainian Super stern ramped fishing trawler/freezer w/admin tfc to Kaliningrad Rybkom Talekseenko from master KMD Solkovev. (RB)

12574 UKCR?: Unid MAh1832 1746 RTTY 50/170 unid trawler using hull#/ID MA-1832 w/crew TG's (MRM/UTF) to Murmansk Radio. UBXS: RTMKS Aleksandr Kosarev 2219 RTTY 50/170 Russian stern ramped super fishing trawler/super freezer w/crew TG's using hull#/ID MA-1806 (MRM/KRH). (RB)

12577.8 NMF: USCG COMSTA Boston 0206 FEC w/broadcast listing DSC frequencies & station address. (DW2) NMF: USCG Boston,Mass UTC? FEC wx (RT2).

12583.5 CBV: VALPARAISO RADIO 2028 CW/SITOR marker "cbv" and tuning burst. (Dw)

12587 LZW: VARNA RADIO 2035 ARQ wkg unid ship (c/s l2gzx?) then revert to marker "de lzw lzw" (Dw)

12593.5 NNM: USCG PORTSMOUTH 2153 CW/SITOR marker "nnn" and tuning burst. (Dw)

12597 SPB62: Szczecin Radio 1057 FEC 100/170 tfc list (DG)

12601.5 OXZ: Lyngby Radio, DEN 0025 FEC w/NavArea broadcast times, app end of tfc list. (RB)

12605 LG34: ROGALAND RADIO 0708 CW/SITOR marker "lgb tlx" & tuning burst. (Dw)

12608 UAT: MOSCOW RADIO 0710 ARQ working ships. tfc list in fec w/arq. qss/qsx frequencies. (Dw)

12623 KBQ: UNID 0444 ARQ sending svc msg to ss overseas ohio. logoff w/msea link hawaii aloha. (WT)

12665 FUM: French Navy Papeete Tahiti 0457 RTTY 75/850 w/call tape. (Dw2)

12741 MTI: RN Plymouth 2235 RTTY 75/850 w/available ch notice (RM)

12750 NMF: USCG BOSTON 0901 FAX 120/576 various charts. (Dw) NMF: USCG Boston 2117 FAX 120/576. 500MB 48HR FCS 2125: 1800 SFC ANALYSIS 2137: 1800 SFC ANALYSIS showing Hurricane Bertha at 22.5N 71W at 1800 UTC w/Max Wind 100 KT (Gusting) 120 KT Mov 310 Deg 15 KT 2150: satellite photo of No. Atlantic Ocean from Marine Prediction Center/Aviation Weather Center valid 9 JUL 96 at 1745 UTC (Hurricane Bertha was northwest of Cuba with an ill-defined eye 2202: 1800 SFC ANALYSIS (same chart as sent at 2125 UTC 1800 SFC ANALYSIS (same chart as sent Pagina 608
at 2137 UTC (RM)

SAB63: Goeteborg Radio, S 0054 ARQ w/CW ID. (RB) SAB63: Goeteborg R 2305 ARQ. wkq unid ship (RM)

12824 GYU: Royal Navy Gibraltar 0055 RTTY 75/850 availability tape. (RB)

12857.3 GFW: FN Dakar 2310 RTTY 75/850 w/"vvv de GFW woici testing de la station six whisky whisky ryry ssrg 0123456789 woici le brick geant que je 'xamine pres du grand wharf k kilo" (RM)

12921.3 MGJ: RN Faslane 2330 RTTY 75/170 Scotland available ch's (RM)

13316.7 Egyptian MFA, Cairo 0810 ARQ ATUH80 tfc (MC)

13347.7 Egyptian MFA, Cairo 1645 ARQ ATUH80 MSGs to New York, Washington, & Beijing (MC)

13378.5 IPG20: Italian MFA, Rome 0801 ARQ TFC received from Embassy Sanaa selcall "VQMP" (MC)

13379.3 L3A20: Norwegian MFA, Oslo 1859 TWINPLEX-1W 100bd/400 News review in Norwegian marked "n o r e g" (MC)

13419 6XM8: 1041 ARQhE 288/170 BNDVB Bonn w/enc (RM)

13428.4 7RQ20: Algerian MFA, Algiers 0910 COQUELTh8 26.7bd Political NX in FF (MC)

13438.6 EGI Tripoli 0100 ARQ w/tfc EGI Cairo til 1100 (ANEE)

13459.7 Unid: 1812 UNID 108.9bd/170 UNID FSK system, ACF=32 (MC)

13501.7 British MIl? 1038 RTTY 100bd/850 (1 stopbit), crypto after 16xRY & "vmgtcnjhb" (MC)

13503.7 Romanian Dipl.,?? 1359 ROU-ARQ 164.5bd/400 crypto (MC)

13506.7 1538 TWINPLEX-1W 100bd/140 SGs "fm parep kuwait to foreign isl" (MC)

13541.7 Unid: 1812 UNID 108.9bd/170 UNID FSK system, ACF=32 (MC)

13540.6 British MIl?,?? 1751 PICCOLO-12 crypto (not usual frequency offset). (MC)

13543.7 RFT3D: FF Douala 0720 ARQhE 192 idle. (EW)

13550 ZKLF 0311 FAX Auckland Met,New Zealand? Fax ???/??? weak sig not readable (RHb)

13554 Unid: 1658 RS-ARQ 241bd 8 tone (MC)

13556. Unid: 1832 TT2300b 100bd idle (MC)

13570.9 IMB56: ROME MET 0809 FAX 120/576 upper air chart for europe & n. africa. 4 small chartlets. (DW)

13867.4 French Gendarmerie 1715 ARQ qsy from 13867.5 (ANEU)

13889.7 Egyptian Embassy, Tripoli, Libya 1230 ARQ w/tfc to MFA Cairo. atu-80 msgs (ANEU)

13900.7 Egyptian Embassy, Tripoli, Libya 1230 ARQ w/tfc to MFA Cairo. atu-80 msgs (ANEU)

13945.6 German Dipl.,?? 1343 ARQ-E 96bd/160 idle (MC)

13947 ROM5: TASHKENT MET 1448 FAX 60/576 end of chart. (DW)

13950 German Dipl.,?? 0707 RS-ARQ 228.7bd/170 tfc (MC)

13956.5 100 UNID 272.73bd/500 UNID FSK System, ACF=5 or 105, idle. Unid 1705 362.4bd/500 UNID FSK System, ACF=10 (MC)

13962.2 HBD 59: Swiss Emb Ankara 5 fgs 1355 ARQ (BVR)

13966.4 UNHCR Baku, Azerbaijan 0745 PACTOR-11 200 w/tfc to UNHCR Geneva, selcalls (ANEU)

13967.2 Paris, F 0100 FEC GPS time/correction data (ANEU)

13977 HBD20: MFA Berne 1645 ARQ 5 FGS/OTA (DG) HBD20/8: Swiss MFA, Berne 1759 ARQ SGs to Embassy Washington "washinam" (MC)

13996.5 STK: Khartoum Air, SDN 1640 RTTY 50/425 Ry "Q3H HSSSYFYX" (ANEU)

13998 ICRC Geneva 1045 PACTOR-11 w/tfc UNID outstation, weak (ANEU)

14346.5 RET2CP**: Guardia Civil, Las Palmas 1811 ARQ 100bd/400 MSGs in SS
marked "fm jecor las palmas" (MC)

14365.4 UNO Geneva 1000 PACTOR-II 200 ckt checks, new freq (ANE)

14367 BZP54: XINHUA BEIJING 0634 RTTY 75/400 press in EE. poor copy. (DW)

14417 Unid: 1345 RTTY 75bd/500 continuous "yfc/yfc/yfc/..." (MC)

14425.3 Unid 2203 G-Tor 100/200, ASCII Base3 to Lubo, and Rotax and Borax trading connect verifiers, no traffic (ED)

14429.7 Unid: 1201 PICCOLO idling for sgr hrs (RM)

14430.9 Unid 2140 G-Tor 100/200, ASCII (upper case) no callsigns, sp. msg. re: permits and a list. ? (ED)

14433 Unid 1703 Packet 300/200 5FG's, Pepe & Tito in communications. This net was very active 3 years ago with similar callsigns, Bocu, Sara, always consonant, vowel, consonant, vowel etc., I believe at the time someone ID'ed the net as related to a military training center somewhere in South America. Anyone able to add more details on this...????? (ED)

14438 unid ARQ-E 96/380 Ops chatting in FF w/"FCN DE >BRN" & wishing each other "BON SOIREE". Off air at 1100, seems a bit early in the day to be saying "Good Evening". (Ed Deasy posted that Kungenfuss's guide has this as the Kerguelen Is..he has logged the signal here on the east coast, but it was far too weak for synch. That's about +3 UTC & not far from Antarctica. They might be "bon soiree" early down there this time of year, they can't be getting more than a few hours of sunlight a day, Ed sez -LOGS)

14447 WJI: SISMI UNDINE 0656 ARQhE 96/850 4crc. offline encrypted tfc. header "p 22-212z giu 96 (italianfor june is giugno). ends session "ok qrx next ok byby ciao ar va". (DW)

14452 Unid:1447 ARQ idling until 1521 w/weak sig. Begins selcalling XBVP at 1521 then goes to single tone at 1522 and QRT at 1523 (RM) (Ary sez probably e US selcalling embassy Rome (XBVP) -LOGS)

14457.5 Unid: 1052 UNID 25bd/140 UNID ARQ System, ACF=75 (MC)

14467.3 DDH8: HAMBURG MET 0833 RTTY 50/400 shipping forecast in GG followed by ID's DDH47/DDH8 & freq 147.3/11039/14467.3 (DW)

14474 Russian Diplo,??? 1733 CROWDh36, tfc (MC)

14478 UNHCR, Bukavu 1700 PACTOR-U 100bd/200 MSGs to FF to UNHCR Geneva (MC)

14480 French Diplo,??? 1809 UNID 200bd/400 UNID ARQ System, sounds like. ARQ6-90/98 but won't sync (MC)

14497.5 CSY: Santa Maria Air, AZR 0035 RTTY 50/850 Ry (ANEU)

14508 MFA Paris, F 1000 ARQ6-90 100/200 selcalling unid embassy (IPIP) (ANE)

14509.3 D4B: Amilcar Air,Cape Verde Isl 1907 RTTY 50bd/1000 "rryrry de d4b d4b d4b" drifting TX (MC)

14517 Unid: 1335 RTTY 75/170 w/enc (RM)

14525 UXW***: SOUD Station,??? 1259 RTTY 75bd/500 5LGs to link ID 20076. (MC)

14535.2 RussianMil,??? 1028 MS-5 12 tone vocoder (3300Hz pilot) (MC)

14550.5 MKD: RAF Akrotiri, Cyprus 1739 VFT: 2ch of Piccolo-6, opchat "de mkd werk round our loop mate kkk" (MC)

14550.9 MKD: RAF Akrotiri, Cyprus 1738 VFT: 2ch of Piccolo-6, short crypto messages probably RY loop (MC)

14555 O9B***: French Embassy, Cairo 1056 FEC-100 19bd/400 5LGs to RFGW (French MFA, Paris) (MC)

14573 JANA TRIPOLI 1601 RTTY 50/400 press in arabic (atu70) after marker. (DW)

14593 MTS: RAF PORT STANLEY 1747 VFT/PICCOLO two channel piccolo vft on usb. (DW)

14593 Unid: 1756 VFT/PICCOLO 2 channel vft on usb. chan 1 (+510) idle too weak to sustain constant standby indicator - no apparent tfc. chan2 (+910hz) 6 toneonline encrypted piccolo. (DW)

14593.5 MTS: RAF PORT STANLEY 1750 VFT/PICCOLO 14593.510. chan in vft. idle. eventually faded. (DW)

14593.9 MTS: RAF PORT STANLEY 1748 VFT/PICCOLO 14593.910. 6 tone piccolo chan in vft. online encrypted. (DW)

14621.6 Egyptian MFA, Cairo 1023 ARQ 100bd/170 idle in IRS mode (MC)

14626.7 RFLI: Fort de France UTC7 ARQ-E 192/357 FF de rftj controle de voie and more. (RT2)
Unid 2150 G-tor 100/200, connection, "Movil2" to "Basel", no traffic, just connection verifiers. ? (ED) (Ary sez probably Irish Military, ~LOGS)

DMK: Bonn 1857 ARQ-E 96/170 MFA Msg to Brazil (GD2)

Unid: 1254/1500 RTTY 50/170 w/enc (RM)

V5G: 1029 ROUhFEC 164/400 MFA Bucharest w/circular's. At 1246 w/ ROMPRES nx. (RM)

14692.5 JMJ4: 1338 FAX 120/576 Tokyo Meteo wx chart (RM)

YIX70: INA News, Baghdad 1457 RTTY 50bd/400 NX in Arabic (MC)

14713 Russian Diplo,?? 0741 CROWD=36 (MC)

14719 Unid: 1015 FEC used 'ende' at qtc (ANEE)

14774.4 Unid 1453 TDM 75/170 All 6 TDM ch's enc (RM)

14781.5 CJL, Mossad, Tel Aviv 1154 RTTY 100b ry's and then "QSA 4", station changes to ARQ-E 96 (ED)

14867.7 Egyptian MFA, Cairo 1652 ARQ ATU-80 MSGs to Embassy Adu Dhabi (Kylcys) (MC)

14871.7 Egyptian MFA, Cairo 2009 ARQ ATU-80 MSGs acks from Embassy Muscat (MC)

14873 HGX???: Hungarian Diplo,??? 1545 250bd/850 ARTRAC-II?, ACF=32/176 (MC)

14889.7 Egyptian Embassy, Doha 0823 ARQ ATU-80 MSGs "jd kmldr" to UNID loc "kdtxvke" (MC)

14932 SPP????: Polish Embassy, Tel Aviv 1745 POL-ARQ 100bd/230 5LGs and MSGs to SNN299 marked "m:tel aviv" (MC)

14945.7 Egyptian MFA, Cairo 1041 ARQ ATU-80 MSGs (MC)

14988.2 Russian Mil,??? 1303 MS-5 12 tone vocoder (3300Hz pilot) (MC)

14990.7 Unid 1306 FEC w/vry wk sig. May be EGY diplo because MFA Cairo listed on 14991.7 (RM)

15041.4 MFA Cairo 1400 ARQ Embassies Moscow, Rome w/atu-80 msgrs (ANEED)

15046.2 Russian Mil,??? 0705 MS-5 12 tone vocoder (3300Hz pilot) (MC)

15626.6 French Diplo,??? 1103 FEC-100 192bd/400 very weak (MC)

15683.5 IPG20: Italian MFA, Rome 1002 ARQ Clg selcal "VQMP" (Embassy Sanaa). (MC)

15731 SUNA Khartoum 1538 RTTY 50/150 nx items (DG)

15733 SUNA News, Khartoum 1608 RTTY 50bd/140 "in the name of allah suna------suna ryyrryr" (MC)

15734 Unid: 0706 RS-ARQ 228.7bd/170 tcf (MC)

15781 USAF AWS Roosevelt Rds 0000 FAX 120/576 (rtz)

15801.6 Egyptian MFA, Cairo 1006 ARQ ATU-80 MSGs to various embassies (MC)

15810.7 Italian Diplo/Mil,??? 0931 UNID 1200bps FSK UNID System (MC)

15833.2 V5G: MFA Bucharest 1454 ROU-ARQ 164/400 diplo tcf (DG)

15835 CJL: Mossad Tel Aviv 1132 RTTY 100/850 testing (DG)

15845 Royal Navy, Loc? 0952 RTTY 100bd/850 crypto w/16 RYs & "vivtcnjj" lead-in (MC) Unid 1508 RTTY 100/803 Enc + ry's + vptcncnjh (RM)

15860 RFFX: MOD Paris 0920 ARQ-E 72/400 idling (DG)

15862 Swedish MFA 1046 SWED-ARQ 100/400 tcf (nx summary?) in signed pressbyraan. 3chb, 9chb, and 22chb. (DW)

15876 P6Z: MOD Paris 0911 FCA-192/400 diplo tcf (DG)

15898 RFGW**: French MFA, Paris 0801 FEC-100 192bd/400 5LGs to D7A, H6L, P8C (Addis, Tunis, ???) (MC)

15926.7 Egyptian MFA, Cairo 0954 ARQ ATU-80 MSGs to various embassies (MC)

15946.5 MFA MADRID 1113 TWINPLEX 100 -200/85/85/200. f7b-1. selcals tmmv. brief exchange - offair. (DW)

15968.5 German Mil,??? 1753 VFT: 3ch of 192bd/160/E FEC-100, crypto ending "300000000" (MC)

15969.2 Unid I542 ARQ idling goes QRT at 1700. Past loggings indicate this is PCW1 MFA The Hague. (RM)

15969.5 FUB: FN Paris 0857 RTTY 50/850 testing (DG)

16006.7 Egyptian Embassy,??? 1711 ARQ ATU-80 MSG to MFA Cairo (MC)

16011 SPP????: Polish Embassy, Algiers 1257 POL-ARQ 100bd/250 MSGs in Polish marked "m:algier" (MC)

16020.4 MFA Bonn 0155 RS-ARQ 228.5 cannot decode. (EW)

16030 Unid: 0951 RTTY 75bd/850 NATO CRATT. tcf (MC)

16032 Unid: 0901 ARQ-E 96/200 idling (DG) Italian MFA, Rome 0854 ARQ-E 96bd/170 5LGs relayed from Embassy Warsaw to many Embs. (MC)

16056.5 MFA Rome, I 0915 ARQ selcalling Embassy Sanaa, Yemen (VQMP=Sanaa) (ANEED) IPG20: Italian MFA, Rome 0807 ARQ 5LGs to Tunis, Teheran, Tripoli, Muscat... (MC)

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18325 V5G***: Romanian MFA, Bucharest 0719 ROU-FEC 164.5bd/400 crypto (MC)
18513.9 MFA Oslo 0900 TWINPLEX 100 (arq/f7b) selcalling unid embassy (tpox)
(ANEE)
18557.5 C37A***: Israeli Intel, Jerusalem 0920 ARQhE 288bd/320 crypto
w/opchat in 100bd/320 Baudot (MC)
18667.9 MFA Oslo? 0800 TWINPLEX 100 idle, likely MFA Oslo/Copenhagen (ANEE)
18688.1 MFA Stockholm 0930 SWED-ARQ 100 w/tfc to Embassy Algiers (ANEE)
SAM: Swedish MFA, Stockholm 1059 SWED-ARQ 100bd/400 5LGs to Cairo.
(MC)
18721.7 Egyptian MFA, Cairo 0718 ARQ w/FEC testing with "mfmfmfm" (MC)
18750.5 Unid: 1749 VFT: 2ch of Piccolo6, eng ch idle (MC)
18750.9 Unid: 1750 VFT: 2ch of Piccolo6, crypto (MC)
18760 P6Z***: French MFA, Paris 1819 FECh100 192bd/400 5LGs (MC)
18943.6 Algerian Emb, Dar Es Salaam 1358 COQUELET-8 26.7bd 5FGs to MFA
Algiers mkd "vci off dar es salaam" (MC)
19041.7 RFTJ: 1700 ARQhE 192 w/tfc to Provence (router?) msg servicing, line
checks, 51 substitution cipher (ANEE)
19216.7 RFLI: Fort de France UTC? ARQhE3 192 w/tfc to Embassy Algiers.
Also tfc for EGI offices this ckt (ANEE)
19724.6 UIW: Kaliningrad Radio 1626 RTTY 50/200 maritime tfc (DG)
20083 ISX20: ANSA ROME 1210 RTTY 50/215 2khz low. marker "qra de irj21 khz
12108/15x20 khz 20085/15x25 khz 25721.5/15x24 khz 24790/15x22 khz
/22955 15x50 8030 anza roma" and ry's. offair. (DW)
20304.7 MFA Cairo 1000 ARQ wkg Embassy Abu Dhabi atu80 msgs (ANEE)
Egyptian MFA, Cairo 0958 ARQ ATU-80 tfc (MC)
20386 Unid: 1015 USB unid african (Liberia?) used 'roger' (ANEE)
22389.5 NNM: USCG CAMSLANT Chesapeake, VA, US 1435 ARQ w/sitor free signal,
CW ID "NNM". (RB)
22403 WLO: Mobile Marine Radio, 1459 ARQ AI, US w/sitor free signal, CW ID.
(RB)
22412 WLO: Mobile Marine Radio, 1500 ARQ AI, US w/sitor free signal, CW ID.
(RB)

=MARITIME=

410 9HFM4: mv Corelli 0706 CW DF activities (AB)
444.5 PCH: Scheveningen Radio, HOL 1852 CW Tfc list (AB)
447.5 LGQ: Rogaland Radio, NOR 1000 CW Tfc list (AB)
449 OXZ: Lyngby Radio, DNK 0925 CW wx (AB)
1866 Hebrides Radio 1902 USB Wx & traffic list (SM)
1883 Portpatrick Radio 1902 USB Wx & traffic list (SM)
2182 EIP: Shannon Air, IRL 2004 USB rdo ck w/Valentia Radio. (AI) (now
that's one station you don't find on 2182 often! -LOGS) GND:
Stonehaven Radio, G 0035 USB r/c w/UNID (JBFW4 ?) (ANEU) Rome Radio:
0945 USB 'Securite' bcst in EE & Italian. (DES)
2791 CUB Radio 1902 USB Wx & traffic list. (SM)
3077 UNID: 0010 USB EE read "press news" ('items 8', etc.) abt philippines
inner-politics - home news for phil. troops in ex Yugoslavia?? (are
there any?) or nx to phil. sailors. ??after items ended a lot of stns
cfm the reception (RSP,RTC,MC,etc.) in a phil. language (?) & EE mix
/the 0000z-News often hrd & 0135z ATB w/RTB, GTC, ARL, RJJ, FCP, CG
etc., use NATO/ICAO spelling, - hrd this net nearly daily, Calls are
2 or 3 letters - PSE HELP ! (ANEU) (this is just another format of
the maritime relay of DZJ Manila news from the Philippines by
Filipino crewed ships. Frequently logged in FEC (see 6301.5 under
digital logs), also ARQ & CW...and now voice! -LOGS)
3185 YLQ: Riga Radio, LVA 1840 CW id,tfc to unid (ANEU)
3190 USU: Mariupol Radio, UKR CW 0000 "CQ de UTW/USU", tfc list (ANEU)
3730 LYL: Klaipeada R, LTU CW 2152 de-mkr "QSS:8351.5/12423.5/6292.5/2516
khz" (ANEU) LYL: Klaipeada Radio 2200 RTTY 50/200 maritime TFC (DG)
4071 LAEB2: Sovereign of the Seas 0115 USB wkg WOM CH 403. ELLY4: Ocean
Breeze 0214 USB wkg WOM CH 403 (HW2)
4092 ELOU5: Zenith 0131 USB wkg WOM CH 410 (HW2)
4133 EW39: Imagination 0134 USB wkg WOM CH 417. ELJV7: Nordic Empress
0227 wkg WOM CH 417 (HW2)
3ESE9: Sensation 0021 USB wkg WOM CH 423. LAO14: Majesty of the Seas
0216 USB wkg WOM CH 423. HOOG: Dolphin IV 2336 USB wkg WOM CH 423.
LAMU4: Monarch of the Seas 2337 USB wkg WOM CH 423. C6LW2: Regal
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Empress 0104 USB wkg WOM ch 423 (HW2) 3ESE9: M/S Sensation 0345 USB Carnival Cruise Lines 70,367 GWT cruise ship, clg/wkg WOM for R/T tfc. (RB)

4191.5 LYIM: 1810 CW clg LYL, no QSO (ANEU) (TSM Okhotino -LOGS)

4209 FFT St.Lys Radio, F 0450 ARQ CW id (ANEU)

4294 WNU31: Slidell LA UTC? CW qsx 31 wpm. (RT2)

4310 WNU41: Slidell LA UTC? cw qsx. (RT2)

4331 WCC: Chatham Radio, MA 0322 CW Marine ip tape w/id: V V V DE WCC QSX 4 6 8 12 16 22 MHZ DE WCC K (RHB)

4387 WOO: 1600 USB Ocean Gate R. NJ w/tfc list using computerized voice. (RM)

5101.5 DAN: Norddeich Radio, D 1827 CW cq-mkr, spurious/harmonic ??= (ANEU)

5226.5 DAN: Norddeich Radio, D 1835 CW cq-mkr, spurious/harmonic ??= (ANEU)

6230 Galas Radio? 0522 USB wkg unid ship. (AI)

6382.2 EAD: Madrid Radio, Spain 0401 CW w/traffic list. (RB)

6507 VIK: Vladivostok 1040 USB Wx report in EE for the area (AW)

(Viklandic is UFL, all the VIX stations are Australian, but no VIK -LOGS)

6510 PNK: Jayapura radio, INS 0845 USB pp to unid vsl in Indonesian (AW)

6513 Halifax CG Radio 0135 USB traffic list announcement. (Kw2)

6678 N/A: M/V Magnolia 0259 USB clg the Sandra O'Toole after chatting w/unid vsl on this out-of-band freq. (RB)

7863.5 SPW: Warsaw Radio, POL 1700 CW mkrh"de SPW QSX 8408.0 kHz AZIM01", next marker "..AZIM02", etc. 1530z de/QSX-mkr, but QSX 8407.0 kHz. 1837z de/QSX-mkr now QSX 8398.5 kHz (ANEU) SPW: Warsaw 1630 CW Warsaw radio QSX (GD2)

7865 SPW?: Warsaw Radio ??, POL? 1840 USB f Polish, but QRM by SPW in CW. (ANEU) SPW: 0449 USB Warsaw R. YL w r/t comm in Polish. (RM)

8110 Unid yachts 1145 USB chatting about what regattas they'd attended and will attend (TB)

8120 Unid boats 1201 USB w/heavy Caribbean accents w/EE comm in Polish. (BVR)

8176 Unid: Aus. coaststation with wx 0538 USB (BVR)

8200 Unid: German intership commins 0519 USB simplex (BVR)

8222 EFTE: 2215 USB SS w/Madrid R. on Ch.810 QSX 8746 kHz (ANEU) ELFT8: Celebration 0027 USB wkg WOM ch 805 (Hw2)

8255 IBDF: 1435 USB EE clg Rogaland R, on Ch.821, Clg Fq., QSX 8779. (ANEU)

8260 UNID: 1745 EE sx ment: Beirut, "Captain Dimiti", SIMPLEX !, bandplan-ok?, both saying always standby here (ANEU)

8270 J8LG6: 1755 USB wkg Doha R./A7D, on Ch.826 QSX 8794 (ANEU)

8346 UMFA: 1545 CW clg UB03 (who is UB03 ?) (ANEU)

8351 TCHR: 2200 CW id, w/UNID (ANEU) (TCHR is M/V Kilitbahir -LOGS)

8366.3 U3XM: 1753 CW clg UNID (U0??), not exact on ship clg ch.2 (group I) (ANEU)

8366.5 4IV: 1745 CW clg UON? on ship clg ch.2 (group I) (ANEU)

8369 J8V8: 1555 CW clg UNID (XSG?) on ship clg ch.4 (common ch.) (ANEU) (M/V Xing Li -LOGS)

8369.5 URFT: 1405 CW clg UFN Novorossijsk Radio on ship clg ch.8 (group III) (ANEU)

8370.5 P3F6T: 1840 CW clg UNID on ship clg ch.10 (group IV) (ANEU)

8389.8 HLJ: Seoul, S. Korea 1241 CW w/CQ DE HLJ marker. (AB2) (odd place for them! -LOGS)

8470 XFL: Mazatlan Raido, MEX 0000 CW qsb 1547z (rt2).

8505 UFZ: Vladivostok, RUS 1222 CW w/DE UFZ marker. (AB2)

8515 SAT: Tripoli UTC? CW Sat&vvv markers(RT2)

8525 WNU33: Slidell, LA 0000 CW qsx 4/6/8/12/16/22 obs?.(rt2)

8534 WLO: Mobile, AL 0000 CW qsx 4/6/8/12/16/22 amvers. (rt2)

8558.4 KFS: San Fran, CA 0000 CW qsx 4/6/8/12/16 (rt2)

8589 HPP Panama Intermar, Panama 0038 CW Marine id tape w/id: DE HPP HPP HPP (RHB)

8598 OXZ4 Lyngby Radio ,Denmark 0035 CW Tfc list w/id: DE OXZ2 weak garbled (RHB)

8607 VIM: Melbourne Radio, AUS 0621 CW w/CQ marker. (AI)

8630 WCC Chatham Radio ,MA,USA 0023 CW Marine id tape w/id: DE WCC QSX 4 6 8 12 MHZ rpt's (RHB)


8682.2 ?? Unid CW sta Unid tfc list (RHB) (probably EAD on 8682, UTC)
8691  XST: Qingdao Radio, CHN 1806 CW w/CQ marker. (AI)
8694  PJC: Curacao Radio, Nlnds Antilles 0044 CW Marine id tape w/id: CQ DE
PJC... (RHB)
8704  SVB4: Athens UTC? CW lots of qrn (RT2)
8746  WOM: Pensacola R, FL, USA 0053 USB voice Marine female op wkg unid ship
for pp no ans on shore (RHB)
8764  Unid: 0409 USB An alpha/numeric message & request to please contact
on channel 1224. I'm listening on 4, 8, and 12 Mhz...I could not make
out his callsign or ID. (LB2) (probably Portishead Radio, as they
also use ch.1224 -13146.0 -LOGS)
8788  SPC42: Gdynia Radio, POL 0100 USB w/tfc list, then in EE "all ships,
all ships this is Gdynia radio listening 824 please". (RB)
8794  PCG41: Schevenigen radio pp 1816 USB (BVR)
8803  FJA: Machine radio Tahiti 1100 USB pp unid vsl in Tahitian. J4SC 0717
USB wkg "Sydney radio" w/marine comm's. (AW)
8812  TAH: Istanbul radio pp 1802 USB (BVR)
12233  9HLS5: 1505 USB gives posn rpt of 21N/110W to KMI (RM) (probably
9HLS3, M/V Seamagic II -LOGS)
12356  unid UTC? USB qso 2om in russian ?? (RT2)
12660  WLO Mobile Ala UTC? CW w/kg P3E34 (m/t ohio) qso, etc (RT2)
12673.5 CLA: Havana Cuba UTC? CW qsw 20/32/41 ch1217 (RT2)
12695.5 KFS: Palo Alto Radio, Ca 0047 CW w/CQ/QSX marker. (RB)
12710  VWB: Bombay Radio, IND 1627 CW w/v marker, wx. (AI)
12711  HCG: Guayaquil Radio, EQA 2100 CW w/CQ marker. (AI)
12727.5 LGJ: Rogaland Radio, NOR 0050 CW w/tfc list. (RB)
12736.5 TAH: Istanbul R 2238 CW w/"de tah tah tfc list as" marker (RM)
12748  IRM: CIRM Rome 2250 CW w/"vvv vvv vvv irm irm irm free radio medical
service and amver service on 8/12/16/22 mhz common k" marker (RM)
12801  TAH: Istanbul R 2300 CW. begins tfc list (RM)
12808.5 KPH: San Francisco R, Ca 0053 CW w/CQ marker (RB)
12826.5 WNU: Slidell Radio, LA, US 0058 CW w/tfc list. (RB)
12830.5 XFM: Manzanillo Radio, MEX 0059 CW w/CQ marker. (RB)
12835.5 GKB2: Portishead Radio, G 0100 CW w/tfc list. (RB)
12847  WCC: Chatham Radio, Ma, US 0104 CW Q5X marker. (RB)
12876  VAI: CCG, Vancouver CG Rd o 0105 CW BC, Canada w/CQ/Q5X marker. (RB)
12879.5 WSC: Tuckerton R. NJ 2319 CW w/"...by this worldwide radio network.
Contact WLO WSC or KLB. CQ de WSC nw hr tfc list at 2318GMT=(RM)
12885  WLO: Mobile Marine Radio 0106 CW w/end of nx b/cast, CQ, & tfc list
marker. (RB)
12887.5 EAD44: Madrid R 2323 CW de/qsx marker. (RM)
12912.6 FFL6: ST. Lys Radio 1053 CW cq (DG)
FFL6: ST. Lys R 2325 CW cq/qsx marker (RM)
12917  KU: Little Rock, AR, US 0108 CW w/marker. (RB)
12992  WLO Mobile Radio, AL, USA 0246 CW Marine id tape: DE WLO OBS? AMVER?
Q5X 4 6 8 12 22 MHZ NW ANS. (RHB)
13002  KPH: San Francisco R, Ca 0111 CW w/Q5X marker. (RB)
KPH: San Francisco, CA, US 0306 CW Marine id tape: VVV DE KPH (RHB)
13022  SPE63: Szczecin R 2337 CW. POL de/qsx marker (RM)
13033.5 WCC: Chatham Radio, Ma, US 0114 CW Q5X marker. (RB)
13042.5 PJC: Curacao Radio, ATN 0115 CW w/CQ/Q5X marker. (RB)
13076.7 HGZ: Dammam R 2349 CW. ARS de/qsx marker. (RM)
13122  Unid: 0108 USB unknown Asian female voice, suspect marine comm's. (AW)
(maritime ch.1216, both Singapore rdo & Taipei rdo here -LOGS)
13134  SPO61: Szczecin Radio, Poland 2153 USB w/conclusion of R/T tfc w/unid
vsl, ID, "this is Szczecin Radio". (RB)
16916.5 WSC: Tuckerton Radio, NJ US 1328 CW w/CQ marker. (AI)
16942.5 9AR: RIJEKA RADIO 1812 CW marker "vvv de 9ar 3/5/7 ch 3/4/7 k", at
1204 w/tfc list. (DW)
16945  XVG: Haiphong Radio, VTN 1303 CW w/tfc list. (AI)
16948.5 VCS: CGC HALIFAX 1209 CW marker "vvv cq de vcs qsx 6 8 12 and 16 mhz.
chnl 3/4/7/8". (DW)
16966  SVB6: ATHENS RADIO 1814 CW marker "de svb4/5/6/7 qsx 22 ch 5".
(changes band and channel periodically). (DW)
16972  WCC: CHATHAM RADIO 1819 CW marker "vvv de wcc qsx 4 6 8 12 16 22 mhz
de wcc R". (DW)
16974  SPE81: SZCZECIN RADIO 1822 CW end of qso with ship. marker "de spe41/spe81 qsx 8367.7 12551.716735.7". (DW)
16981.5 SVG6: ATHENS RADIO 1825 CW marker "de svg6". (DW)
17008.5 TAH: ISTANBUL RADIO 0634 CW marker "de tah ch3 4 8 gru?" wkg ship. (DW)
17037  YQI6: CONSTANTA RADIO 1113 CW sending tfc to/fm ship at 30wpm then signoff. (DW)
17073.9 LGX: ROGALAND RADIO 1300 CW marker "cq de lgw lgb lgj lgx tfc for elpt5/tx j8l77 = qsx 41858368.5 12552.5 16736.5 and lqg/lgt 500 khz. (DW)
17091  XSO: GUANGZHOU RADIO 1308 CW marker "cq de xsq k". (DW)
17094.8 SVA6: ATHENS RADIO 1313 CW bdcast h press in greek? difficult to copy due qrm. (DW)
17108.5 UGC: ST PETERSBURG RADIO 1354 CW marker "de ugc qsx 6/8/12/16 k". (DW)
17128  LYL: KLAIPEDA RADIO 1330 CW marker "de lyl qsx 22270.5/16672.5/12442.5/6292.5/4191.5 khz k" (DW)
17141  UFN: NOVOROSSIYSK RADIO 1403 CW qtc list then blind tfc broadcast? (DW)
17143.6 DAN: NORDDEICH RADIO 1408 CW marker "cq de dan 4cg 8cg 16cg k" (DW)
17146.6 CBV: Playa Ancha Zonal Radio, CHL 1433 CW w/CQ marker. (AI) (the station calls themselves Valparaiso Radio -LOGS)
17160.8 IAR: ROME RADIO 1354 CW marker "de iar qsx 4/6/8/12 k". (DW)
17162  PPO: OLINDA RADIO 1752 CW marker, just identifiable. (DW)
17175.2 A9M: BAHRAIN RADIO 1730 CW marker "cq de a9m qsx ch 4/5/6 k". (DW)
17177  URK9: Kertch Radio, URK 0900 CW w/CQ marker. (AI)
17184.8 KFS: San Fran, CA 0000 CW qsx 4/6/8/12/16/22 (rt2). (DW)
17188  SVGD: ATHENS RADIO 1732 CW marker "de svd6". (DW)
17194.8 PPR: RIO DE JANEIRO RADIO 1735 CW marker "vvv de ppr qsx 16 mhz k". (DW)
17198.3 HZG: DAMMAM RADIO 1736 CW marker "de hzg qsx ch 3/4/9" (DW)
17198.9 PCH60: SCHHEVENINGEN RADIO 1739 CW marker "de pch60 16 k". (DW)
17214  SPh81: Gdynia Radio 0820 CW qcj (DG)
17232.9 9V5G3: SINGAPORE RADIO 1741 CW marker "cq de 9vg53/17232.9 khz qsx 16. mhz ch 2 3 4 5 8 10 qsx 16mhz ch 2 3 4 5 8 10". (DW)
17239.7 PKX: DJKARTA RADIO 1358 CW marker "cq de pkn gru? ar". (DW)
22487  WLO: Mobile Marine Radio 1501 CW w/traffic list. (RB)

=MILITARY=
119.5 SXA: Gny Piraeus (GRC) 0115 V-mkr (ANEU)
122.3 OUA: Danish Marine (DNK) 0115 CW iii-mkr, see 2357.5 (ANEU)
2207 PAES: Hrms Zeevakkel ww Noordwijk 1000 USB radio (BVR)
2261 RAF tracking net 1803 USB. Buchan + others. At 1854 unid Green Comms. (SM)
2357.5 OUA32: Danish Marine Stevns (DNK) 0050 CW iii-mkr: "III de OVK BCST X21C OUA25/32 BCST ... OUA25/32 ... III ZKR OVK14 23 ....", NAWS (ANEU)
2667.5 FDG: FAF Bordeaux (F) 1855 CW v-mkr (ANEU)
2680  4XZ: Iny Haifa (ISR) 0035 CW v-mkr (ANEU)
2801  4XZ: Iny Haifa (ISR) 0150 CW v-mkr (ANEU)
2815 IDR8: Iny Rome (I) 0145 CW v-mkr (ANEU) IDR8: IN ROME 2304 CW marker "vvv vvv vvv idr8" (DW)
2828 FDG: FAF Bordeaux (F) 0145 CW v-mkr (ANEU)
3116 DHJ59: Wilhelmshaven Naval, 0308 USB Germany wkg unid German Navy vsl w/RTTY coordination. (RB)
3134 NIGHTWATCH 01 0657 USB briefly wkg WAR46 on probable ZULU 110. They then moved back to ZULU 145 (5705.0). (JH)
3182 FDG: FAF Bordeaux (F) 0030 CW v-mkr (ANEU)
3191 'OS' (Oscar Sierra), UNID NATO mil. net: 2355 EE w/B1U, M5J, R0X (plane background sound?), item-styl-msgs, OS is net-ctrl & 1748z S8B w/UNID (FF accent), ment: Montenegro, "items" (item a:Laila, etc.), see 6882. (ANEU)
3295 NIGHTWATCH 01 0656 USB briefly wkg WAR46 on probable ZULU 120. NW01 moved WAR46 to ZULU 110. (JH)
3379.5 FDI22: FAF qth? (F) 1830 CW v-mkr (ANEU)
3651.5 SXA32: Gny Piraeus (GRC) 0225 CW v-mkr (ANEU)
3678 SXH32: Gny Piraeus (GRC) 0225 CW v-mkr (ANEU)
3685 SXA: Gny Piraeus (GRC) 0225 CW v-mkr (ANEU)
3712 SXA33: Gny Piraeus (GRC) 0225 CW v-mkr (ANEU)

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3787 FDE14: FAF but where (F) 1500 CW v-mkr (ANEU)
3795 FFB: Boulogne s/M Radio, F 1845 USB f Bull. EE/FF, id (ANEU)
3814.5 FDG: FAF Bordeaux (F) 2130 CW v-mkr (ANEU)
3886.5 AEM1JQ: MARS Unid, D 0802 USB wkg AEM1BJR. AEM1ZLB: MARS Unid, D 0804 USB wkg AEM1BJR. (AI)
3933 RAF Neatishead, G 0951 USB wkg 2LR. (AI)
3942 MS (Mike Sierra) unid: 1850 USB FF sx w/PI (Papa India), ment: "Ocean Atlantique Est", French Navy Net ?, see 8162 kHz (ANEU)
4083 Spanish Navy 2000 USB w/tfc RN and JT. Msg abt death of mother-in-law of officer (ANEU)
4120 Ascot 1319 USB Architect (C-130, XV208) dep Boscombe Down 1245/55 eta 30w ...., eta St John's 2045/55 selcal AJDM, standard relay .. + YQXKORR (BH)
4154.5 IHMM: Italian Navy shiph Milazzo 2133 USB Wkg ICT. IHML: Italian Navy shiph Lerici. 2104 USB Wkg ICT. DRKKN: Gny ship Spessart 2119 USB Wkg DHJ59. (IB)
4168.5 IGJ: INy Augusta (I) 0030 USB II/EE sx, id "IGJ", w/IHDD (sometimes id as DD)& IHGB ?, etc. (ANEU)
4214 IDR2: INy Rome (I) 0240 CW v-mkr (ANEU) IDR2: IN ROME 2307 CW marker "vvv vvv 1dd2" (DW)
4227 SXA: GNy Piraeus (GRC) 0225 CW v-mkr (ANEU)
4350 TBB57: Tny Ankara (TUR) 1950 CW VVVhTBDJhmkr (ANEU)
4426 NMG: USCG CommSta New Orleans, La, US 0527 USB wkg ELEK7, M/V Tellina re to contact PLEAD Control on 5080 USB. (RB)
4443.5 "90 Bravo" 0406 USB clg "30" w/no response. Then "Yankee 78" wkg "Yankee 79". Admin type chatter re: fuel consumption, etc. Mentioned "Sierra 30", "90 Bravo" 0410 USB wkg "30". Talked about doing sweeps & "watch RSL" (??). "Sierra 10" 0412 USB wkg "Yankee 78". (PJ) Unid daily 1400/1600 USB calls are generally "Sierra xx". This morning a radio check had a comment from Sierra 90 to Sierra 109 mentioning something back to "battalion". YL (Charlie Charlie) 0116 USB trying to establish comms w/231 ops. (PP)
4466 KEYSION 17: Pa CAP Wing 2115 USB as NCS of Pennsylvania Civil Air Patrol net. (RB)
4495 NIGHTWATCH 01 0655 USB briefly wkg WAR46 on probable ZULU 125. NW01 moved WAR46 to ZULU 120. Unid 0706 USB callsigned station (could not make out call) with 26-character EAM, picked up on GHFS at 0709. (JH)
4550.7 TBU5: unid Tny stn (TUR) 0200 CW V-Vmk TBDJ QAP (ANEU)
4700 CFH: Halifax Military, NS, 0317 USB CAN w/kg S1G w/latest actual's CYHZ/CYZX. (RB) CHR: 0423 USB CF Trenton ON w/terminal forecasts (RM)
4713 MUVC(?) RAF Volmet: 1700 & 0135 USB m EE machine voice Volmet.(ANEU) Royal AF Volmet 0149 USB wx obsv. (Kw2)
4731 MKL RAG: Pitreavie (G) 1705 CW WX & 4IF de MKL (Dwx to 4IF ?) (ANEU) MKL: RAF Edinburgh 0703 CW cq (DG)
4742 9JP 1318 USB Architect (Nimrod?) confirm off task details are passed to the appropriate agencies/people: affirmative. U1G34 1932 Architect (Chinook HC.2, 7 Sq. RAF) relay to Lifter Ops: "BA", request St. Mawgan air traffic control and tell them we'll QSY enrt 2220 local. S0N 819 USB Architect (Nimrod?) wx ENEV (Evenes, Norway) -> 5714 (no joy) (BH) IFN80: 1735 USB returning to Lynham. ETA 2000/05. std rly K. TARTAN12 1749 USB w/kg Architect. SELCAL chk EF AD. VC-10. (SM)
4745 NIGHTWATCH 01 0254 USB works SYLLABUS on self-id'd ZULU 135.
4745 NIGHTWATCH 01 0416 USB wkg MACDILL. (JH)
4958 'Tamboo' (USAF tac.?) 2315 USB m EE wkg UNID (ANEU)
5064 9MB: MNY Georgetown, Penang ? (MLA) 1725 CW "VVV 9MB 13/16/19"(ANEU)
5146 'Carmen 06' UNID sx Net (ex VUG?) mil.: 1725 USB m/f OPS slavian lang... 1730z 'Capitan 12' clg 'Skopije 06' (ANEU)
5151.5 UNID: 2025 USB sx Czech/Slovak?, ment: "telegram", coded msg (5LG's). (ANEU)
5213 RMP: RNY Kaliningrad (RUS): 2315 CW QTC (wx?) to RKZ, often ment.: "Punkt","Tire","Nawip" & 1 time: "Adriactic." (ANEU)
5255.5 FDG: FAF Bordeaux (F) 1440 CW v-mkr (ANEU)
5272 Unid USCG?: 0229 USB w/heavy ANDV tfc, this is a known USCG freq, may have been related to "PANTHER" comms heard same night. (RB)
CG Group 4: 0038 USB wkg Cutter Point Ward search mission HH60 from Elizabeth City to join in morning. (KW2) NOY8 CGGP Corpus Christi, TX, USA 2102 USB voice Marine USCG (RHB)

NRUF: USCGC Mohawk (WMEC-913) 0740 USB wkg NABS: USCGC Attu (WPB-1317), NHPX: USCGC Block Island (WPB-1344), NRKX: USCGC Manitou (WPB-1302), and NJEH: USCGC Vashon (WPB-1308) during hurricane sortie for Hurricane Bertha after QSY from 5696. MMN: CAMSLANT Chesapeake 0340 USB wkg 1719 re: available a/c, also USCGC Mohawk wkg NMN. (PE)

FDY: FAF Orleans (F) 1240 & 2045z CW v-mkr (ANEU)

FDY: FAF Orleans (F) 1240 & 2045z CW v-mkr (ANEU)

RESOLVE 105: 0502 USB wkg USCGC Mohawk wkg NMN re pp D-5, passes info re rescue of both survivors from the sloop Javelin by cargo ship M/V Ursa Major, who had responded via an AMVER call after an EPIRB check revealed 2 PIW. (RB)

CAMSALT Chesapeake: 0031 USB wkg 6001 then 6002. Both a/c very weak & barely audible. (DES) Rescue 1701: 0502 USB wkg USCGC CHASE (WEC-718) who accepts radio guard for 1701 & req endurance (10 hours) & POB (?), then adv 1701 that he would be launching PLAYMATE in 2.5 hours due to distance from shore. CMSAPC Point Reyes 0500 USB wkg USCG Helo 6016. COMSTA Kodiak 0540 USB working USCG Helo 6024. 6024 reported being on final approach to Cordova Alaska. NOI: KODIAK COMSTA, AK 0528 USB wkg Rescue 6024 who was enrt to a SAR. QTH for 6024 at 0528: 6015N 14651W. Rescue 2112: 0549 USB USCG HUh25A wkg CAMSLANT who assumes guard at 0550. 2122 airborne out of Opa Locka (Miam). QTH at 0629 2739N 07959W. Guard secured at 0647. 1711: 0600 USB USCGC CH-130H7 wkg CAMSLANT w/routine flight & posn report. Aircraft active out of CGAS Clearwater. 6002: 0600 USB USCG HH-60J wkg CAMSLANT w/routine flight & posn report, a/c active out of CGAS Elizabeth City QTH at 0700 3502N 07704W. ETA at Elizabeth City 0330 local (0700 UTC) QTH at 0730: 3558N 07632W. Rescue 1707: 0616 USB HC-130H7 clg KODIAK COMSTA. Airborne at 0630 from Elmendorf AFB enrt to Bristol Bay. CAMSPC Point Reyes assumed guard at 0630. QTH at 0730 5832N 14872W. (DW2) Westhampton Rescue: 1420 USB wkg CAMSLANT Radio ck h loud & clear (AFRes rescue unit on Long Island NY?). Y6R: 1508 USB wkg CAMSLANT Accepting guard, advised using coded station location bearing & distance from when reporting in until secure equipment is operational. CG 2126: 1430 USB wkg CAMSLANT Posn Rpt 4123N 6005W. CG 2126: 1446 USB wkg CAMSLANT Securing Guard at HomePlate. CG 1712: 1802 USB wkg CAMSLANT Posn Rpt 4065N 6005W. CAMSLANT: 1806 USB wkg CG 6009 pp Atlantic Area Cmd Coordination. CG 1712: 1812 USB wkg CAMSLANT securing guard, landing Providence. CAMSLANT: 1832 USB clg CG 6009 no joy. Boston: 1837 USB clg CG6009 no joy. CG Group Detroit: 1837 USB clg CG6025 no joy. CG Helo Rescue 6034: 0010 USB wkg CAMSLANT accepting guard - on rescue mission. CG 1711: 0038 USB 0040 wkg CAMSLANT posn rpt 44 01N 66 30W. Y9N: 1219 USB wkg CAMSLANT request/accept guard. (Kw2) USCG San Juan 0159 USB wkg vsl Jacksonville & patching them through to Camslant. Rescue 1712 was in contact with a ship in distress & req the vsl assist. USCG cutter was enrt but would take up to 2 hours to get there. CAMSPC 0430 USB wkg Rescue 1602 for posn report. 1711 0404 USB wkg CAMSLANT w/posn report & asking them to call Clearwater Ops and inform them of their 0220 Local landing time. CAMSPC 0138 USB wkg/Cutter Mohawk and several others. Cutter Long Island, Cutter Vashon and Cutter Manitou. All reporting posns. CamsPac fairly strong here in MI and several cutters barely heard and a few not heard at all. (LB2) (this probably was CAMSLANT (NMN, VA) vice CAMSPC (NMC, Ca) -LOGS) CG 2107 2031 USB reporting flight ops normal to CAMSLANT CHESAPEAKE. CAMSLANT CHESAPEAKE 2034 USB conducting a radio check w/CAMSLANT RESCUE 6002. CG 6002 2319 USB securing guard with Camslant Chesapeake (MF2) AMC 452: Unid USAF 0235 USB clg "Portsmouth global" for a radio ck, CAMSLANT answers, 452 then tests xmitter #2. NCRG: USCGC Courageous 0315 USB (WMEC-622) clg the M/V Jacksonville, who was up here coordinating
w/Cg re SAR w/unid vsl they were responding to. RESCUE 1501: USCG HC-130 0410 USB wkg "3q", unid naval vsl enrt to area of a SAR relaying an ETA of 4-1/2 hrs to RESCUE 1503. At 0415 a SITREP is given reporting M/V Ursa Major is alongside the life raft. Ltr report confirmed rescue of two persons from 40' sloop Javelin which had capsized. RESCUE 1500: USCG HCh130 0444 USB wkg NNW w/pp LANT Area command who requests the 1500 proceed 31-52.2N/54-09.7W re an ELT activation, ETA of the 1500 was 0645z. (RB) Coast Guard Rescue 2126 0537 USB w/pp District One Command center via Camslant Chesapeake ref flares sighted. (SF)

5700 ABNORMAL 10: 0514 USB, moving to 15793 (BWS) NIGHTWATCH 01 0155 USB up w/WAR46 among others at 2240 I have Italian tcf on 8716 once again...Italian AF ....Bosnia related? (JC5)

5705 PBV: Air Force Valkenburg, HOL 0826 USB wkg Z3E. (AI)

5705 NIGHTWATCH 01 (male opr) 0453 USB w/26-character EAM: VLGNAJ..., then clg station that sounded like SKYCHIEF. At 0457z, NIGHTWATCH 01 clg WAR46, & finally raising same at 0459z. At 0645z, NIGHTWATCH 01 worked WAR46, & moved WAR46 to ZULU 125. Back up on freq at 0702z. At 0804z, station that sounds like SKYCHIEF up with 26-character EAM (VLG81N...), //5705 & at least 8968. NIGHTWATCH 01 0447 USB w/EAM, trailing the GHFS bcst of same. At 0452z, REDEEMER worked NIGHTWATCH 01. At 0715z, NIGHTWATCH 01 worked CORNSTALK. At 0831z, NIGHTWATCH 01 worked CORNSTALK and WAR46. WAR46 0453 USB worked NIGHTWATCH 01. Freq made primary for net. At 0454z, NIGHTWATCH 01 called and worked MOTORIST. At 0456z, GOALPOST worked NIGHTWATCH 01, & then they moved to ZULU 130 (not found by me, but found later in evening by Jeff Jones to be 4472.0) At 0515z, NIGHTWATCH 01 works MOTORIST; then MOTORIST (probable USN asset) works GOALPOST. (JH)

5708 3K0 unid: 2145 USB m FF sx w/unid f "Visibilite horizontale Zero". (ANEU)

5716.5 FDG: FAF Bordeaux (F) 2050 CW vhmkr (ANEU)

5763 Turkish Navy 1600 USB tactical net (CK)

5800 WAR46 0128 USB wkg NIGHTWATCH 01 on self-id'd ZULU 150. JONATHON 0202 USB clg NIGHTWATCH 01 for a radio check. (JH)

5804.5 FDC: FAF Metz 1720 CW cq (DG)

6318 IDR3: IN ROME 2310 CW marker "vvv vvv vvv idr3" (DW)

6501 NMN: CAMSLANT Chesapeake 1025 USB wx report to area (AW)

6513 NPCR: USCGC Dallas (WHEC-716) 0252 USB wkg NMF, CommSta Boston, for morale pp. (RB)

6683 AF2 0449 USB wkg Andrews w/rdo chk, both had each other loud & clear (EG) SAM 376 0353 USB wkg ANDREWS for wx... SAM 376 not readable w/ good sig from ANDREWS.... female operator heard on freq....LAJES? (JC5) ANDREWS 1438 USB wkg AIRFORCE ONE w/ANDVT & clear comms. (JH) Andrews wkrg PP for SAM 050 to Andrews meeto (MF2)

6694 CFH Halifax Military, NS (CAN): 0150 USB EE w/RESCUE 306 selcal-check FW-party contact at 0140 re 306: CanForces a/c 0704 USB wkg Halifax Military w/pp RCC re locating parties on the ground, RCC adv 306 to pass to them that the RCMP was enrt, ETA 1 hr, & that 306 was off task. (RB)

6712 ANDREWS 0630 USB w/26-character EAM string, first broadcast by OFFUTT at 0530z (first attempted at 0528z but disregarded for a FOXTROT broadcast that OFFUTT first tried to send prefixed w/FAIRLY, then disregarded to resend without the "FAIRLY"). This string also repeated by ELMENDORF at 0540z. ANDREWS 0630 USB w/a 20-character EAM (VLG3ESH...) at ANDREWS' post 0600z h+30 "repeat" EAM transmission time. COTAM 2474: 0740 USB From Landivisiau to Grazzanise crew 5 55 pax 3.7 tons cargo squadron "FranchehComte" aircraft. COTAM 3955: 0750 USB From Bordeaux to Lorient. COTAM 1822: 0800 USB from Nancy-Essay to Orleans crew 5 2pax 1.6 tons cargo. FNY 531D: 0830 USB Nord 262AEN from 56S (Nimes) from Inverness to Bergen. FNY 532E: 0840 USB Nord 262AEN from 56S (Nimes) from Bergen to Aberdeen. IFD 04: 0900 USB from Istres to Sarajevo crew 8 55 pax 9.7 tons cargo. COTAM 3715: 1430 USB from Bucharest to Sofia RON. not 100% sure of the flight N the rest yes. (JP2) Andrews with 26 character alpha-numeric EAM. Followed by Sky King Sky King do not answer then a 3 char. code w/time & a 2 letter authentication code. At 2:49 UTC (LB2)

6715 NIGHTWATCH 01 1340 USB attempted to work ELMENDORF. HICKAM 1340 USB worked PACCOM 01. JONATHON 0502 USB called NIGHTWATCH 01 for a signal check; nothing heard, so back to 9016.0. JONATHON moved here after
NIGHTWATCH 01 told him to move to ZULU 160, and he was found here instantly. Presumed ZULU 160, although no freq designator used during the brief comm. (JH) Halifax military 0004 USB clg CHARLIE NINER JULIET, nothing heard (MF2).

6719.4 LGR 0030 USB reporting to HABITAT, "ops normal for L6R and B2D." (JJ)

6720 OMD 1500 USB VQ4 OPCON, DNK 1000 USB wkq unid. (AI)

6721.5 ZU 2100 USB UNID NATO/US Military Net: 1955 USB EE sx m w/UNID & 0203z USB 3WI w/07G & 0000z A6E (?) w/UNID weak (ANEU)

6722 NATO 1815 USB Link-11 support network (CK)


6728 Incirlik GHFS (TUR) 2150 USB m w/84 char EAM. Architect (G) 2200z w/UK Forecast fr 2200-2300z (ANEU) ARCHITECT 0400 USB w/ RAF Base wx ann into LI w/good signal. (JCS) ELMENDORF 0521 USB w/26-character EAM at ELMENDORF's h+21 "repeat" EAM transmission time. At 0530z, OFFUTT w/26-character EAM. At 0540z, ELMENDORF w/both strings at ELMENDORF's h+40 "repeat" EAM transmission time. NIGHTWATCH 01 0640 USB clg MAINSAIL & raising ELMENDORF. Both moved to 0715z. Back up on freq at 0648z. (JJ) CHORE 21: 0307 USB wkq Lajes pp with 4580. Lajes: 0108 USB EAM Skyking BFG. REACH 2 Victor 3: 0208 USB wkq Lajes pp Lajes metro wx fr 0630Z arrival. Incirlik 0113 USB EAM VLLZNCY..... (Kw2) CG 1719 0016 USB w/pp re hurricane & something about a Thursday evening time frame. Terminated the patch and was wished a good flight by the female op. (LB2) IVA: 0521 USB any station this net, answered by Thule GHFS. IVA asked TRULY (sic) for pp to COMSUBRON 8 at a 564 DSN #. pp initiated at 0523 IVA on the surface ETA Chesapeake light 0530 local. Claimed to have attempted tfc on HF net but no joy. IVA asked COMSUBRON8 to QSL via KG-84 net. Elmendorf Global: 0545 USB w/an all-freq req for Adak Navy line-maintenance. Multiple calls over a 10 minute period no-joy. Probably related to a strong earthquake which occurred in the Aleutian Islands chain close to the island of Adak a short time prior to Elmendorf's calls. (TT)

6739.5 FDC: 0507 CW French Air Force Metz w/channel marker (DW2)

6754 CHR: CF Trenton Military, Ont (CAN): 0130USB Volmet m EE fr Canadian Airports: Trenton etc., id (ANEU) CHR: Trenton Military, Ont 0523 USB w/Volmet wx for various Canadian cities, wx actuals, to 0527. (RB)

6757 NIGHTWATCH 01 (female opr; "whine" on her signal) 0117 USB wkq ---BUG (could not make out the call - maybe JUNEBUG or maybe not). w/---BUG having NIGHTWATCH 01 place a pp to common DSN 339 number (VQ4 OPCON). Nightwatch 01 was unsuccessful (broken and distorted). NIGHTWATCH 01's part. At 0220z, NIGHTWATCH 01 worked SYLLABUS; again worked SYLLABUS at 0253z. At 0435z, NIGHTWATCH 01 broadcasts at 26 character EAM. At 0438z, NIGHTWATCH 01 calls WAR46. JONATHON 0036 USB worked NIGHTWATCH 01, but JONATHON had NW01 as very weak. (JH)

6761 SIERRA 61: 0740 USB wkq unid. callsign. (BWS) GOLD 76/65/66/78/75: 2210 USB various comms, talking about a/r times and rendezvous. A/R track 2 is mentioned. GOLD 76 is on the ground at Moron. (JP2)


6818 F20 1235 USB wkq F10B sending a message in RTTY...after the msg was done F10B replied that the vehicle belongs to --- Squadron and that he should bring it right over. An obviously annoyed F20 told 10B to watch his COMSEC & use callsigns, not names. Both units had Scottish accents. (TB)

6820 ARIA CONTROL: 0414 USB calling ARIA1 for tracking support toward Pegasus/TOMS launch, (KS)

6830 SPAR 19 1917 USB wkq Andrews radio checks on 867U. Noisy so QSY to 561u (11.052 thanks to the most recent list!). (GT)

6830 SPAR 19 1917 USB wkq Andrews radio checks on 867U. Noisy so QSY to
6844.5 FDC: FAF Metz (F) 1955 CW v-mkr (ANEU) FDC: FAF Metz 1651 CW cq (DG)
6860 FDC: FAF Metz (F) 0920 CW v-mkr also on 6861.0 (ANEU) FDC (French AF) 0620 USB, VVV marker (CK)
6873.5 FDC: FAF Bordeaux (F) 0108 USB working SAM 28000 in clear voice & ANDVT. Mentioned use of "311", but nothing heard here. At 0146z, SAM 28000 was on the ground, in the blocks. Suspect that this was backup a/c to SAM 29000/AF1 (28000 was maybe located in area code 513 area) (JH)

6873.5 FDC: FAF Metz (F) 0920 CW vhmkr (ANEU) FDC: FAF Metz 1651 CW cq (DG)
6860 FDC: FAF Metz (F) 0920 CW v-mkr also on 6861.0 (ANEU) FDC (French AF) 0620 USB, VVV marker (CK)
6993 ANDREWS 0108 USB working SAM 28000 in clear voice & ANDVT. Mentioned use of "311", but nothing heard here. At 0146z, SAM 28000 was on the ground, in the blocks. Suspect that this was backup a/c to SAM 29000/AF1 (28000 was maybe located in area code 513 area) (JH)

6873.5 FDC: FAF Metz (F) 0920 CW vhmkr (ANEU) FDC: FAF Metz 1651 CW cq (DG)
6860 FDC: FAF Metz (F) 0920 CW v-mkr also on 6861.0 (ANEU) FDC (French AF) 0620 USB, VVV marker (CK)
7473 FDC (French AF) 0621 CW VVV marker (CK)
7535 SESEF NORFOLK 1849 USB conducting radio testing with the Arleigh Burke (MF2) NDVW: USS Nashville (LPDh13) 1337 USB w/test of HF xmitters. NGGD: USS Mississippi 1450 USB (CGNh40) w/test of 1 xmitter. NNKP: USS Kearsarge (LHD-3) 1743 USB w/HF xmitter testing. (RB) USS TICONDEROGA 1300 USB wkg SESEF Norfolk testing their emitters. Had gone through 7 of 'em by the time I signed off (TB)

7752 FDC: FAF Metz (F) 0900 CW vhmkr (ANEU)
7765 KING 1: USAF HCh130 Rescue a/c 1436 USB wkg DoD Cape reporting on station for the launch of Space Shuttle Columbia on mission STS-78. NJJT: USS Taylor (FFG-50) 1444 USB wkg DoD Cape w/status of launch of STS-78. (RB)

7788 FDI22: FAF but where? (F) 1845 CW vhmkr (bad mixed, sometime id as FFI22) (ANEU) FDI22: French Air Force, Aix 2031 CW "vvv vvv vvv de FDI 22 ar" marker (MC)
7805 FDI8UR: 1800 CW FAF (GD2)
7831 NIGHTWATCH 01 0254 USB worked SYLLABUS on selfhid'd ZULU 170. (JH) NIGHTWATCH 01 1509 USB wkg _____BUG, and then moving them to ZULU 185 (presumed 9809). READYMAN (sounds like) 1503 USB called and worked NIGHTWATCH 01 for a signal check. (JH)

7834 FDC: Metz 1645 CW FAF (GD2)
7835.5 FDC: FAF Metz (F) 1840 CW vhmkr (ANEU)
7850 FDI: 0440 CW FAF Aix vhmkr (GD2)
7909 Unid: 0125 USB ANDVT tfc for hours. (RB)
7932 Andrews 1401 USB wkg SAM 206, 206 informed Travis via pp that they were 50 miles N. of Kansas temp 72, 30000 feet winds 180 @ 023. (LB2)

8032.5 Darwin Control ww unid Aus 1610 USB navy ship. Canberra control 1613 USB clg hmas Dubbo (A4). VLRL: Hmas Dubbo 1618 USB ww Darwin control Canberra control 0427 USB ww unid aus navy ship "Your figures are..." (BVR)
8122 Darwin Control ww unid Aus 1610 USB navy ship. Canberra control 1613 USB clg hmas Dubbo (A4). VLRL: Hmas Dubbo 1618 USB ww Darwin control Canberra control 0427 USB ww unid aus navy ship "Your figures are..." (BVR)

8162 MS (Mike Sierra) unid French (Navy?) net: 1930 USB sx FF m w/VO (Uniform Oscar), passing telephone nr's, msgs ment.: Marine Paris, Mincoop Paris, Ministére des Armées Paris, Marine Toulon, Centinsrepara Paris, etc. 0420z Darmo PI (Papa India) w/MS, see 3942 kHz (ANEU)
8297 AAEF: USAV LTG William B. Bunker 0522 USB wkg AAFA w/posn. AAFA: USAV SP4 James A. Loux 0524 USB wkg AAC2. AAC2: U.S. Army Fort Eustis, Va, USA 0524 USB wkg AAFA. (AI) ADMW: USAV Malvern Hill (LCU-2025) 2331 USB clg/wkg AAC2, harbormaster at Ft Eustis, Va for radio ck on ch.5. (RB)

8310 OEO (Zero Echo Oscar) UNID NATO mil.? net: 1545 USB sx EE w/C3P, switch to a vy quick DATA transmission (UNID RTTY? Sys), fone fr coordination. 1555z OEO clg C2P (Charly Two Papa) "nothing heard, out". (ANEU)

8343.5 DHJ59 GNV Wilhelmshafen, D 1730 this is f0, the fone-coordination freq. DATA/VFT channels are on 8336.79, 8337.47, 8338.15 kHz, shift 170Hz, coded msg to GNV Vessels (ANEU) DRDR: U-24 1706 USB wkg DHJ59. DRHJ: Elbe A-S11 1712 USB wkg DHJ59. (IB)

8968 SAM 676 0111 USB Lajes (E-4B 73-1676) freq still busy with Reach G5, -> 6739 (Lajes still drifting) -> 15016 (both a/c and Lajes weak here) commercial pp, nothing heard. (BH) REACH 0158 0339 USB self-id'd as C-141 wkg pp w/Lajes. Location 3030N 10208W enrt KFAT, Pagina 622
WUN-V02

Fresno Terminal w/quick turn around to Travis AFB. pp placed to DSN 949-9155 Fresno ANGB GRIFIN OPS (DW2) Orca 22 (KC10) 0420 USB pp to Travis CP req flying in their pattern 2200-0000. GASSER 91 0400 USB pp via Hickam (EG) ELMENDORF 0540 USB w/26-character EAM at ELMENDORF's h-40 "repeat" EAM transmission time. Of interest, the string was taken from OFFUTT's 0458z GHFS broadcast of same. ELMENDORF did not use the same recent string broadcast by OFFUTT at 0533z. (JH) Hickam: 0841 USB EAM Skyking msg 2EG. (KW2) Hickam: 0848 USB wkg p/p SALTY DOG. HARBOR 22: 0215 USB wkg Elmnord pp 872-XXXX broke down. JAWS 52: 0219 USB wkg Elmnord p/p 875-XXXX ops matters. REACH 574: 1107 clg Lajes no joy. Andrews 1142 USB Skyking EAM -- SG4. McClellan 1142 USB Skyking EAM -- SG4. (KW2) Andrews 2327 USB conducting a maintenance test. (LB2) NAVY LIMA NOVEMBER 45 INDIA 1907 USB clg Mainsail, Offut answers w/no reply from NLM451 (MF2) DUSTY DOG 1856 USB wkg LAJES for a pp to Norfolk Phone Operator. Lajes could not provide patch at this time. DUSTY DOG 1856 USB wkg LAJES for a pp to Norfolk Phone Operator. Lajes could not provide patch at this time.

(ISM)

8970 1SN 1200 USB wkg 6FI w/radio checks in clear & green (TB) 8971 FALCON 01 1858 USB passing RTB (1930) time to BLUESTAR. FALCON 01 1922 USB reporting to BLUESTAR that due to low fuel state they will be refueling at Roosevelt Rds. TRIDENT 703 giving his ETA to BLUESTAR to WHISKY 9 GOLF, BLUESTAR then popped up on the net and confirmed. 7 ECHO GULF 1832 USB is being informed that FALCON 01 is now up on the freq (7EG has a British accent). FIDDLER and SPANGLE 712 1840 USB discussing whether to refuel at Pensacola (MF2) 9AW: 1451 USB passing local wx to (FIGHTING TIGER) 720. 9AW then asked 720 if they were JELLO capable & response was negative. Stations switched to primary UHF channel & at 1459Z 9AW contacted 720 that due to low fuel state they will be refueling at Roosevelt Rds. 711 Z CARDFILE 711 wkg 9QA adv 711 on the deck. 1520Z 9AW asked FIGHTING TIGER 720 to rise up above FL20 (2000') so 9AW & 720 could maintain UHF voice/data (Link-11) comms. 720 will comply after doing a VID visual ID on an item of interest (TT).

8974 FALCON-69 0550 USB wkg RAAF Sydney RAAF F-111, it's a dead give away w/his oxy mask giving a muffled sound. Not a common user of HF are the F-111s. Kiwi-842 0559 USB wkg Air Force Australia Nothing from AFA Air Force Sydney, Townsville, & Darwin all on this net at this time. Trojan-071 2341 USB wkg RAF Darwin A-97-159. STATION-010 8974 USB wkg RAAF Sydney LBPH 36 sqd C-130HATO-010. BRONCO-534 8974 USB wkg RAAF Townsville Opp's normal call Caribou transport. Shepherd-138 0049 USB wkg RAAF Townsville P-3 Orion 10 sqd. ENVOY-063 0050 USB wkg RAAF Townsville Falcon-900 34 sqd VIP flight. Stalion-004 0055 USB RAAF Darwin A97-001 C-130H 36 Squd Richmond. Reach-667 0208 USB To RAAF re: pp. (SB)

8983 CAMSLANT 1833 USB wkg pp for YANKEE 1 GULF to Miami air station. (MF2)

8992 Ascension: 1842 USB Clg Nightwatch. NW answers but Ascension can't hear. QSY to 14635. NW stronger but nothing from Ascension. (DES) NIGHTWATCH 01 0250 USB (she's id'ing herself as NIGHTWATCH ONE) wkg MACDILL briefly. (JH) MacDill: 2040 USB EAM msg -YL read alpha numerics very s'low. (KW2) Offutt: 0159 USB EAM VLLCV2. //8968.... (KW2) 2VM: 1133 USB wkg MacDill pp 564-XXXX -- exercise Esteem Alpha traffic. UTAH 61: 1412 USB calling MacDill no joy. (KW2) King 52 2301 USB wkg MacDill w/pp, received patch to air base for a wx report. Unid '001' 0138 USB wkg MacDill w/pp to Andrews. MacDill could not raise Andrews. 001 requested McGuire for wx at 0600 Zulu for Andrews and McGuire.. McGuire read off the forecast for both fields and 001 then terminated the patch at 1:49 (LB2) Ascension 2315 USB w/pp for REACH 1177 to Casino (MF2) Navy XY3Z 2013 USB wkg MacDill GHFS: pp to Autovon #942-3560 & Eagle Duty. Ided as "Eagle 932" during pp. (CTO) 9014 HAWK 87 2210 USB wkg RAYMOND 07 getting pp to DSN 461 number (RAYSAND 37), with lots of chatter re "buying time." (JH)

9016 Billhawk 0225 USB clg Nightwatch on "Zulu 175 upper"...no joy (GH) India Romeo Mike GORILLA 0045 USB wkg MacDill w/ pp to DSN.... MacDill asks to "stand by" IRM GORILLA says "Request pp NOW!" MacDill replies w/ "stand by." MacDill 0100 USB wkg ARMAMENT.... Pagina 623
ARMAMENT passes short msg to McDill about some sort of cancellation. MacDill ack, & mentions that there are equipment problems at MacDill. (JC5) TINHORN 1338 USB wkg NIGHTWATCH 01 on Z-175. MACDILL 0330 USB wkg APPOINTEE. At 0347z, MACDILL wkg NIGHTWATCH 01 in voice & data. At 0416z, MACDILL moved NW01 to 4745. HARDLUCK 1332 USB wkg ABSORBENT, w/HARDLUCK entering the net through the challenge process. HARDLUCK immediately going monitor only for "2+00" hours. At 1339z, HICKAM works PACCOM 01, & moves him to 6715. JONATHON 0001 USB worked NIGHTWATCH 01 for a radio check at various times throughout the local night. At 0318z, MONGOOSE worked NIGHTWATCH 01 and requested to enter the net. When the went through the challenge process, they were using 3-character sets instead of 2-character sets. MONGOOSE did not find NIGHTWATCH's single character response to be correct, but when the challenge was attempted again with the same 3-character set, NIGHTWATCH 01 responded w/the same single character, and this time the response was accepted. They were having a slight problem w/something obviously new, maybe effective utc 01 Jul 96. At 0506z, NIGHTWATCH 01 moved JONATHON to ZULU 160. NIGHTWATCH 01 0211 USB clg LASTDATE. NIGHTWATCH 01 0255 USB clg GOALPOST, then called WAR46. (JH) MacDill 1553 clg PACCOM 01 no joy. (MJ) PACOM 01: C135C 61-2668 1546 USB w/CINCPAC on board, wkg Andrews VIP reporting on deck & terminating services. (RB)

9017 SAM 206 1338 USB wkg ANDREWS. (JH) AIR FORCE 1 0242 USB w/pp, told whoever at the end of the patch that if Andrews called tell them we are shut down & at the Hanger. (LB2) SAM 206 1700 wkg Andrews w/pp to San Juan IAP...en route from Port Au Prince. (MJ)

9031 ASCOT 1338: RAF Northolt a/c 1015 USB wkg ARCHITECT. (AI)

9057 TINHORN 1339 USB wkg NIGHTWATCH 01 on self-id'd Z-180. ROUGHGEM 1918 USB worked NIGHTWATCH 01, who makes ZULU 180 (9057) the primary freq. NIGHTWATCH 01 1418 USB clg PALMLEAF (who had been heard earlier on 11175) w/no response. GRANVILLE (sounds like) works NIGHTWATCH 01, & enters the net. They then quickly moved to 10204 & finally 7831. At 1645z, PALMLEAF clg NIGHTWATCH 01, & the challenge process was heard (maybe he was entering the net.) At 1653z, GRANVILLE (sounds like) worked PALMLEAF and entered the net. (RB)

9065 At 1519z, ABSORBENT clg HARDLUCK, then HICKAM up on freq wkg PACCOM 01. At 1545z, HICKAM worked SAM 974 (enrt to Thailand), providing pp's (suspect that ANDREWS was heavily tasked with President's trip to France.) (JH)

9218 SAM 049: SAM26000: USB wkg Andy here on self Id'd F-868. Looks like they have made this their primary with F-064 secondary. (LVH)

9809 Unid 1511 USB Net player w/"test, 1,2,3." and gone. Probable ZULU 185 (NIGHTWATCH 01 had just requested a move from 7831.0 to ZULU 185, & this was found within seconds.) (JH)

10204 BILLHAWK: 0239 USB wkg Nightwatch on Z190. (BZ) NIGHTWATCH & MESSKIT 0413 USB check via "Z190". Went secure. (GG) TINHORN 1340 USB wkg NIGHTWATCH 01 on Z-190, and enters the net; immediately goes monitor only for 1.5 hours. NIGHTWATCH 01 advises him to use Z-190 and Z-210 (11229). NIGHTWATCH 01 0133 USB wkg PRESCOTT, who complains about "modem modes" interference on freq (a harsh, strong buzz heard here.) At 0137z NIGHTWATCH 01 worked MONOGRAM who went monitor only. Unid 0114 USB unid station (could not make out weak call) clg NIGHTWATCH. WAR46 1350 USB calling NIGHTWATCH 01. At 1350z, OPALRING (USN trained opr) raises NIGHTWATCH 01 and enters the net through the challenge process. Immediately into ANDVT comms. At 1646z, a weak station (could not make out id) works OPALRING, & enters the net via the challenge process with OPALRING. Adv that there was no current traffic in the queue. At 1720z, NIGHTWATCH 01 clg ___ and WAR46; but raises OPALRING. At 1726z, ROUGHGEM works NIGHTWATCH 01 & enters the net. At 1731z, ROUGHGEM works BRIMSTONE (maybe station that enter the net at 1646) and requests a "T-quad." ANDVT comms at 1736z. At 1750z, ROUGHGEM works OPALRING and requests a data check. Moved to ZULU 205 (11494.0). At 1917z, NIGHTWATCH 01 w/26-character EAM (VL2KUE...), & then wkg OPALRING who acknowledges traffic. String picked up by OFFUTT on GHFS at 1914z. At 1915z, OPALRING had to relay (rebroadcast) this string to ROUGHGEM. At 1917z, NIGHTWATCH 01 popped up on freq and requested that OPALRING advise ROUGHGEM to move to ZULU 180. GRANVILLE (sounds like) 1654 USB clg NIGHTWATCH 01.
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NIGHTWATCH net 1525 USB active with weak players. At 1631z, NIGHTWATCH 01 up with 34-character EAM: PC?6SZ..., then he worked WAR46. NIGHTWATCH 01 0037 USB worked LASTDATE in clear voice & ANDVT. At 0140z, NIGHTWATCH 01 worked WAR46. At 0210z, NIGHTWATCH 01 worked LASTDATE & req he "switch to alternate frequency" (turned out to be 9016) for radio check. At 0322z, TOMTHUMB enters the net, and he had another problem w/the new process. NIGHTWATCH 01 remarked that he had the same experience "yesterday." At 0434z, NIGHTWATCH 01 clg LASTDATE and TOMTHUMB. At 0522z, NIGHTWATCH 01 w/an EAM. At 1238z, NIGHTWATCH 01 called LASTDATE and TOMTHUMB. At 1457z, READYMAN (sounds like) called NIGHTWATCH 01. WAR46 1605 USB calling NIGHTWATCH 01 for radio check. NIGHTWATCH 01 (weak) 1605 USB with what sounded like two EAMs, one long (maybe) and one 26-characters in length. Weak NIGHTWATCH net 0254 USB activity, maybe involving QUICKRUN (or sounds like). Callsigned station up at 0304 with 20-character EAM. NIGHTWATCH 01 1528 USB called JAILBAIT, then worked WAR46 for a signal check. (JH)

10390  Spanish Military 0830 USB talk abt a turbo being overcharged & malfunctioning-AF? (ANEE)

10711  NDVM: USS Nashville (LPD-13) 1408 USB att to raise SESEF Norfolk re some sort of test. (RB)

11052  SPAR 19 1934 USB Rdo cks w/Andrews on 561u. arrived LERT (Rota NAS Spain) 1623z departed 1900z eta KMCF (MacDill) 0305z. 19 wants to know when SAM 375 comes up on Mystic Star 2036z. SAM 375 is on 101u (not known but see later) which Andrews said was 'a higher freq' 2047z. Andrews trying to set-up a link between SPAR 19 (on 561u) & SAM 375 (on 101u). '19 asked if they should QSY to 101u but Andrews said that they should find a lower freq where they could both go to. Andrews said to try 310u (another unknown!) but '19 said to ask '375 if they had 'mux capability' (GT) PACOM 01 1845 USB working Andrews AFB on F-561 with signal checks for possible primary freq. (JJ)

11053  Andrews VIP 2051 USB w/krg S/C for SAM 974 (MF2) SAM 202 1544 wkg Andrews. (MJ) 801: 2029 USB w/pp via Andrews AFB to ??? who told 801 that he was flying a Baltimore-Dulles-Charlottesville route at 58000 feet recording thunderstorm activity. There were numerous hellcats in these thunderstorms reported ??? to 801 moving at a speed of 25 to 30 knots. At 2130 Andrews told 801 that it was experiencing heavy rain high wind and lightning and was on a tornado watch. Andrews also reported that its AWS experienced a power failure due to storms in the area and was not operating. (RM)

11056  Unid: 0815 USB USAF acft - (B)73 with Gander Ops and Comms Ctr, inquiry to DAO (ANEE)

11059  SAM 201 working Andrews VIP. QSYed 13.960 (F396) SAM 201 having problem w/SATCOM. They are uplinking on CH10 and downlinking on CH9. Encryption is bad (will not decode) and are testing in the clear with Andrews VIP. Female a/c commander is saying she is using 1000 watts into the uplink. (JB)

11118  IFO 35: 1511 USB closing down for the night (JP2)

11153.6  GOLF 12905 USB calling any station this net for a radio check (no joy). (JJ)

11175  SAM 26000 1737 USB w/Ascension. Offutt, USA 1836 USB EAM USPBRG. Reach 3291 2249 USB w/Andrews, pp Howard Metro (AB) JHAWK 51: 1659 USB tfc w/Tinker AFB Op's via Hickam. REACH 0268: 1706 USB pp tfc w/HILDA via Elmendorf. NAVY LL46: 2322 USB wkg Offutt w/EUA Moffett NAS. (AB2) Magic 57 1947 USB Croughton (E-3) pp PMSV, wx. Reach 4W6 1559 USB Ascension several pp, enrt to Ramstein. Gordo 12 2227 USB Ascension (E-4) pp Andrews PMSW wx Andrews 2330. Reach 60163 2050 USB MacDill (C-1418, 60-0163) pp Ramstein PMSW wx GOOY (Dakar) and FZAA (Kinshasa, Zaire), also req. sunrise/sunset times for Kinshasa. pp Hilda East discussing the recovery of the aircraft out Zaire. Catbird 1348 USB Croughton (VP-3A CINCLANT). Herky 116 3350 USB Croughton (2 x C-130) pp Aviano base ops, DSF 632-7634/7635: flight of 2 C-130's, other a/c c/s HERKY 305, eta 1500, both A1, 2:15 hours ground time to upload heavy army equipment, 3rd a/c HERKY 117 will arrive 45 min to 1 HR late. pp Aviano PMSW wx 1500 (thunderstorms), pirep: C-130, f1190, abt 50 mile south-west Lake Garda. Herky 302 1358 USB
Croughton (C-130). Reach 90021 1120 USB Croughton (C-5A 69-0021) pp
Ramstein PMSV, pirep: C-5 49n 05.20w f1330. Reach 638 1524 USB
Incirlik (C-141B 65-0242) tempting to make this one 40638, but he
gave 50242 as tailnumber. pp Hilda East: Ch141 tailnr. 50242, etb
Ramstein PMSV, pirep: Ch5 49n 05.20w fl330. Reach 638 1524 USB
Incirlik (Ch141B 65h0242) tempting to make this one 40638, but he
gave 50242 as tailnumber. pp Hilda East: Ch141 tailnr. 50242, etb
OTBD (Doha Intl., Qatar) 1910, A1. Before departure out of LEMO
(Moron) the flight meals taken off the a/c somehow, req something to
eat for 8 crew at Doha. pp Hilda PMSV, wx OTBD 1910, pirep: Ch141
fl330 29.27n 22.20e. Reach 8R7 1532 USB Ascension/Mainsail no joy, he
got so desperate he even tried good old 11176! Bone 13 1252 USB
Croughton (3 x Bh1B, 28 BW) pp Raymond 33 (Ellsworth): air refuelling
complete 1222, all 3 aircraft in the green, eta 2115Z. SAM 974 2044
USB Ascension (C-137C, 85-6974) ->354 upper (Andrews). Reach 85 1301
USB Croughton (C-130)pp Ramstein PMSV wx ETAR 1600, pirep: C-130
46.30n 10.03w fl190. Reach 8227 1305 USB Croughton (C-141B, 65-0224)
pp Hilda East: tailnr. 50224, dep LHBP (Budapest) 1255 eta EFHK
(Helsinki) 1520, delay due pilot's altimeter. Navy LK26S 1940 USB
Ascension (P-3c VP26) radio check. SAM 26000 2138 USB Croughton
(C-137C, 62-66000) -> 15016 (nothing heard) (BH) HAWK 89 1632 USB B-1B
Lancer clg MAINSAIL w/no joy. DOOM 02 1430 USB B-52G w/ MacDill wkg
pp with 96th Bomb(? ) Squadron Scheduling. KILO 05 1644 USB w/ MacDill
collecting all set up to w/ the weather Channel. KILO 05 was wkg the
tropical depression located off the coast of Florida. Requested a
collect-call pp. QSY: 11217. RAKED MAN 1710 USB wkg MacDill w/a
secure HF data link. QSY: 13242 with data link & comms checks. C/S spelt using phonetics. (DW2) Reach 60146 0011 USB a
Cl41 c/fg Denali, wkg Elmendorf metro. Offutt 0023 USB w/DECENT Sky
King msg, YTN 23 BH. Shark 15 0028 USB wkg Lobo, ops normal, also
Shark 13 & Anderson heard. King 02 0445 USB pp via Hickam to
Acclimate(? ) re: Ops Normal. MODERATOR 0337 USB c/fg Mainsail,
testing. BONE 22 (not heard) 0347 USB pp via Hickam to RAYMOND 33
re: fuel for BONE 21 & 22. Skyking 0408 USB msg PZY 07 DU. Reach
7946 tail #67946 pp to Charleston CP, mentioned Hurricane watch &
expecting 45-64 knot winds, & possibility of sending flight to
McGuire. pp via Offutt, called Hilda East said 2.5 hours out of CHS &
waited to know where to go. (EG) SNOOP 56 1254 USB w/pp to BANTER
OPS (Mildenhall) via Croughton. Requesting AR w/ tank to QUIB38 to
be cancelled due to an oxygen malfunction that has caused SNOOP 56 to
divert to Mildenhall. SNOOP 56 is enr to Offutt. Will request lower FL from London Mil ATC to conserve oxygen. Current posn is still within UK airspace. BOOKSHELF 61 pp Aviano via Ascension.
Req wx over Yugoslavia and will land at Aviano at 2215 Zulu time.
(JB) 1429 GHFS stations with 20-character EAM "FOR TACAMO PAC
PRIMAY". First heard instance of one of these abncp-type "For...
EAMS broadcast at a timestamp other than h+38/40. DERBY 51 1450 USB, ex
GALVESTON enr to HOWARD, wkg MACDILL w/pp to MACDILL wx. Station id'd & female opr 1543 USB clg MAINSAIL, & went over a short period of time w/initially no response. So she birddogged a
weak (here) station clg MACDILL, w/no response. Finally, MACDILL
responded to her call, & she id'd herself as SCOPE COMMAND CELL, &
SCOPE COMMAND CELL TEST SIMULATOR STATION. Signal check and she was
gone. JAPAN NAVY 508 1517 USB attempting to work MCCELELAN. Moved to
13200. PRESCOTT 0123 USB wkg ? (missed the station) getting working
fregs for NIGHTWATCH 01: Z210, Z215. At 0130z, GHOST FIVE wkg
ANDREWS. NIGHTWATCH 01 (female opr) 0248 USB clg MAINSAIL & raising
MACDILL. Moved to 6739. HICKAM 0137 USB w/EAM. Suspect that this was a
"repeat" EAM taken from an earlier GHFS EAM session. If so, then
HICKAM's "repeat" EAM minute stamp did not shift when the other GHFS
stations shifted their transmit times sometime after Jan 28 96.
HICKAM 0703 wkg Mw920, were apparently exchanging some sort of high
pitched data burts on freq (maybe 1 to 2 seconds in duration.)
HICKAM followed this activity w/the reading of a string of 3-element
groups to Mw920 that consisted of 17 groups. The last group which
consisted of a single letter: "B". These 3-element group sessions
involving HICKAM are relatively common (but the short data bursts are
not). LABORDAY 1456 USB clg ADMO once & gone, responding to ADMO's
general call for a GHFS station. OFFUTT 1400 USB , as lead GHFS
station, w/126-character EAM: PCIJNX.... At 1404z, OFFUTT up w/75-
character EAM: PC2X3D. SAM 206 2031 USB working ASCENSION, & getting
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w/pp NAS New Brunswick to pass ETA. RAYMOND 25: 4th Wing CP, Seymour-Johnson AFB N.Carolina 1612 USB clg any station for rdo ck, Andrews ans fair & readable. JAMBO 36: B-52 2nd BW Barksdale 2311 USB AFb, w/kg Albrook GHFS w/pp to RAYMOND 06, 8th AF Command Center at Barksdale. (RB) GASSERh92 0331 USB To unknown station. re: pp. DECOY 01 1157 USB w/pp thru Albrook to DSN 476-2682 which ID'd as Navy Ops. ETA 1245, needs civilian/military customs & agriculture. Req 15000 lbs/fuel (TB) REACH 448 1934 USB wkg Ascension GHFS: req pp to DSN # 854-5183 a/c type C5, ETA 1730 (dest. station not given). MASH 71 1938 USB wkg Ascension GHFS: req relay of msg to AFRES Command Center to DSN #497-0680/ETA Robins 2200Z/0-6 on board. SHARK 12 1941 USB wkg Albrook GHFS: need another freq, unable to copy. (TO) APF60000: 2042 USB clg Mainsail. ROMAN LAD: 1454 USB (C/s phonetically spelt out) calls MacDill w/radio check. TACK 18: 0119 USB w/kg unid who requested TACK 18 deviate from track to Elkmendorf to determine if vsl Joanne Marie 60 foot longliner was fishing within three nautical miles of a rookery. If so, TACK 18 asked to video tape it & gather whatever other evidence they could. Patch via by Hickam. DARK 42: 1747 USB at w/kg RAYMOND 37 re refueling related info. Refueling a/c apparently took off late Then DARK 42 was directed to QSY to 9025 USB. RAYMOND 37 told DARK 42 he would send him a SATCOM [presumably a relay] Strike Report in approx. 10 minutes. If he did, it was encrypted [lots of dripping water heard on this frequency]. Just as I switched back to 11175 USB my back up receiver, which was tuned to 9025 USB went active and I heard an unknown party say he had two retained RDU [phonetic]. I would think this was BDU but who knows these days. BONE 22 1647 USB [Probably B-1B from 29th Bomb Wing Ellsworth AFB, SD] calls Raymond 23 with following: Tail 96 [BONE 21] 220 fuel load. BONE 22 has 215 fuel load left and is Foxtrot 4, Code 2. BONE 22 asks me if I heard any words from higher leadership. BONE 22: 1811 USB with Raymond 33 [?]. BONE 22 told tanker taking off w/less fuel than anticipated due high gnd temp. Someone on BONE 22 who calls himself Dark Star talks with a Cpt Randy X on the gnd DARK STAR told two BONE a/c expecting refuel will be short 5,000. Told to pick up the balance from a 3rd AR. (TR)

11181 BARN ROOF 0440 USB wkg NIGHT WATCH 01 on Z200. (DW2) PACAF 01 1803 USB w/kg MACDILL w/pp's. NIGHTWATCH 01 1717 USB clg & wkg PETTYSYM (maybe, although it sounded sorta like PATTYSUB or somesuch.) Secondary freq for net. Primary Z175. APPOINTEE 0331 USB clg & w/kg MACDILL in voice & data exchanges. MACDILL advises APPOINTEE that NIGHTWATCH 01 wishes to work MACDILL with data, but that APPOINTEE should continue until he is through. At conclusion of APPOINTEE's data work, NIGHTWATCH 01 pops up on freq to work MACDILL. (JH)

11187 BOOM TOWN: 2208 USB wkg HARD LUCK (RM)

11191 PIPELINE: 1620 USB wkg GONZO 04 Delta tells PIPELINE that his sig is ZBZ 1 1635 USB PIPELINE wkg TELCOM gives status report on GONZO 04 Delta who was setting up a RTTY (75/850) link in the clear w/periodic tests on 11193.3 1643 USB GONZO 04 Delta says confirm you received (RATT test). My time: 271643Z to PIPELINE but gets no response. Tells PIPELINE at 1649 to switch to 6712 kHz where GONZO 04 Delta is heard clg PIPELINE at 1650. No joy. Switches to 6712 kHz at 1708 & calls GONZO 04 Delta for r/c. No joy. Switches to 6712 kHz at 1708 & calls GONZO 04 Delta. Again no joy. 1716 USB GONZO 04 Charlie (not Delta) tries clg PIPELINE for sev mins for r/c. No joy. No further comms hrd for quite some time after this. (RM)

11214 Star 66 0049 USB req pp to Peterson AFB from 520 miles out for wx conditions. She expressed her concerns that she has gotten 2 wx reports & one said their were T-storms and one said there wasn't. Peterson personnel said no storms. (LB2) SAM 049: SAM 26000: SAM 290000: 1241 USBWkg Andy here on self ID'd F-064 secondary. Checking other freqs to move 049/26000 to for primary. (LVH) PROTRUDE 1538 USB w/kg Trenton Military w/pp to SULFIDE 01 re coordinating tankers for fighters launched from Charleston and Jacksonville. TOP CAT 02 is to be the tanker. SAM 202 1544 USB Andrews. 202 req frequency change due to other traffic on frequency. QSY F 354 (MJ)

11220 ANDREWS 1436 USB wkg an unheard SAM 202, providing pp's for same. By
1447z, ANDREWS was at slightly better levels, but not SAM 202. At 0552 Two stations in periodic ANDVT comms, w/no clear voice. Heard as late as 0652z. Presumed AIRFORCE ONE a/c and ANDREWS. (JH) Executive One Fox trot 0300 LSB working Andrews AFB over the past couple of hours w/pp’s to numerous airports in and around Little Rock. It seems Little Rock is rocking with thunder storms tonight. ETA into Little Rock is 0330z. (JJ) SPAR 43 1728 wkg Thule. (MJ) 11226 Unid 1423 USB EE comms between two weak stations who either did not id or did so with the id’s lost in the noise floor - they were weak. There were also active ALE bursts and apparent responses coactive during these comms. Stations id’ing as POPE & WARNER ROBBINS were up on this freq the previous day at about the same time, w/apparent transmitter adjustments and chatter about LQA matters. 1908 USB EE station, strong, non-U.S. accent, calling various callsigns which I could not make out. SAM 206 2032 USB worked ANDREWS. (JH) 11229 WAR46 1906 USB clg NIGHTWATCH 01. At 2038z, TOADSTOOL wkg station in NIGHTWATCH net. AUTOTIRE 0022 USB working NIGHTWATCH 01, entering the net & followed w/ANDVT comms. At 0027z DESSICANT clg NIGHTWATCH 01. At 0247z, AUTOTIRE raises NIGHTWATCH and "secures" from the net through the challenge process, & confirms that AUTOTIRE will "maintain" this freq. Apparently he was active in the net for 2 hours, & would hang around after he left the net. NIGHTWATCH 01 1522 USB active with his net. At 1534z, NIGHTWATCH 01 with 26-character EAM (VLJ3SYZ...), and then trying to raise NOTEBOOK and LIONHUNT to see if they copied traffic. The NIGHTWATCH 01 operator did not read his EAM string in the steady one-character-per-second beat of most operators; but instead read it out in a somewhat awkward manner. The operator also id'd himself as NIGHTWATCH ONE (not ZERO ONE). This "ONE" id is usually only heard from stations such as WAR46, the coactive BRANDY operator in 11244 & others, & certain WGY... operators when they rarely work NIGHTWATCH 01. There was heavy interaction between NIGHTWATCH 01, BRANDY, and WGY... stations over this time period, which maybe suggests that the NW01 operator was a FEMA operator this day (or, maybe not). PRESCOTT 0125 clg NIGHTWATCH 01, w/no response heard. At 0127z, PRESCOTT clg MONOGRAM, w/no response heard. (JH) NIGHTWATCH (01): 1632 USB w/ pp to Army Operations Center Tech Control (in Pentagon) via WAR-46 reference troubleshooting a circuit. (TT) 11233 TELECOM BRAVO: 2013 USB clg TELECOM DELTA, whoizit? (AB2) 11235 Kiwi-635 0401 USB No joy from Kiwi opp's. 11244 MCCLELLAN 1508 USB, as lead GHFS station, w/108-character EAM "FORSPROUT": PC53E2... At 1542z, TATTOOED with V7LJYH... EAM, simulcasting on 11244, 6739, & 10204, leading the GHFS xmsn of same, & back up at 1545z w/26-character string. At 1553z, the GHFS stations w/a 96-character EAM "FOR SPROUT": PCVF9DQ... followed by the Tornado HANDS clg TATTOOED at 1545z. ANDREWS 0630 USB w/two 26-character EAM strings (one taken from OFFUTT's 0530z broadcast of one of the strings; and both strings also being "repeated" by ELMENDORF that same local night) at ANDREWS' post 0600z H+30 "repeat" EAM transmission time. Also heard //on 6712. OFFUTT 1307 USB w/20-character EAM "FOR ENTREAT." At 1425z, OFFUTT, as lead GHFS station, w/20-character EAM "FOR TACAMO PAC PRIMARY." Another non-h+38/40 transmission of these particular strings. MCCLELLAN 1310 USB with a 26-character EAM string (taken from a top of the hour 20/20/26 character EAM set) broadcast at 1310z and 1350z, MCCLELLAN's h+10/h+50 "repeat" EAM transmission times. At 1333z (OFFUTT at 1335z), MACDILL up w/71-character EAM: UPXRUB... At 1450z, OFFUTT, as lead GHFS station, w/71-character EAM: PC6LN4. DIGNIFY 1401 USB clg MAINSAIL, w/no response and gone. OFFUTT 1627 USB, as lead GHFS station, with 20/20/26 character EAM set over a 15 minute period (10 minutes between the middle and last string). ELMENDORF 0619 USB initiating a FOXTROT broadcast prefaced with ENLIST: PIP 19 BD. TINHORN 1336 USB wkg MACDILL for NIGHTWATCH working freqs: Z175. SNOOP 55 1205 USB clg MAINSAIL & raising MACDILL for radio check. At 1232z, stations on the GHFS with 44-character EAM: UPPFLO... BRANDY 1841 USB with a statement that sounded like "EXERCISE WGW 181841z." Then, BRANDY c lg STATESMAN; no response; so BRANDY passes various strings such as "HOTEL 181840" in the blind. By 1857z BRANDY is
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clg "NIGHTWATCH ONE", w/no response, and passing similar H"dtg" strings in the blind. Still active at 1926z. AUTOTIRE 0016 USB
clg MAINSAIL & raising THULE; requests NIGHTWATCH working freqs: 2210, 2215, and 2200. OFFUTT 1206 USB, as lead GHFS station, with 74-character EAM: UPMHRL... OFFUTT 1356 USB, as lead GHFS station, with 77(+/--) character EAM string: PCITX27... Another instance of an EAM that contains the numeral "one"; and it too is contained in a block of text that conforms to "....EA_1...."; in today's case, ...EA1BH...

At 1535z, OFFUTT with 75-character EAM: PCV7JI..., this string not containing "ones". At 2150z, MACDILL, trailing OFFUTT's transmission of same, with 84-character EAM: PCIZGE... OFFUTT 1826 USB, as lead GHFS station, with 20-character EAM "FOR SEEING EYE." At 1854z, OFFUTT back up with 20-character EAM "FOR SEEING EYE.". OFFUTT 1138 USB, as lead GHFS station, with 20-character EAM "FOR TACAMO PAC".

Common 1138z broadcast time, but first heard instance of these "For..." strings less the PRIMARY/SECONDARY suffix. WINTHROP 1955 USB called MAINSAIL and raised OFFUTT. (JH)

Albrook 1845 USB w/pp for SHARK 61 to Lobo & to 825-5552 -VIKING OPS in Minneapolis. Albrook 2301 USB wkrg PP for SHARK 86 to Lobo (MF2) G5Y 0200 clg McClellan. After several calls, Offutt answers, offers to help. G5Y initially ignores Offutt and continues to call McClellan. Eventually, G5Y decides his only hope is Offutt, from whom he requests a pp to a commercial number 315 471 xxxx. X9G answers, and they pass exercise traffic: 112025 STOR 110208. (MJ)

STATION NORD: 0840 USB Danish Air Force (Greenland) wkrg other Danish Air Force Station ("Station...vier"), presumably Vaerloese. Later giving wx in Danish for Vaerloese and Keflavik. (MS)

RAFAIR 24K6: 0945 USB Calling Cyprus flightwatch who tells him to QSY to 18018. (PT) Cyprus Flight Watch: USB wkrg Architect for a radio check. AIGOT 4674: 1020 USB calling for Architect but no answer. (SM)

UK VOLMET 0815 USB RAF bases weather condx (ANEE) RAF Volmet (G) 1445 USB EE m machine voice Volmet (ANEU)

Navy 511 (unheard) 1707 wkrg Andrews. (MJ)

ROUGHGEM 1756 USB working OPALRING on self-id'd ZULU 205. (JH) Omar 79: 1839 USB clg Hammer. No Joy(RM)

SAM 375 2056 USB (101U) w/pp between General's.(GT)

ZLO: Royal New Zealand Navy Auckland 0503 CW w/channel marker. (DW2) (located at HMNZS Irirangi - Waiouru - LOGS)

4XZ: Israeli Navy, Haifa 1934 CW. "vvv de 4xz 4xz bt bt" marker (MC)

4XZ: Israeli Navy, Haifa, ISR 0110 CW w/CO marker. (RB)

AF12: USAF, McClellan GHFS, Ca, US 1438 USB mainsail msgs. AFS: USAF, Offutt GHFS, Ne, US 1620 USB mainsail msgs. AFA3: USAF, Andrews GHFS, Md, US 1804 USB mainsail msgs. (AI) OFFUTT 1813 USB w/20-character EAM "FOR EMILY." 15016.0 1650z+- 11 TATTOOED with 21-character EAM "FOR DOWEL" (sounds like, probably misspelled) VMLN0... /on 15016, 1814z, & 1836z GHFS stations are back up with VMLN0... "FOR DOWEL" string, this time as 20-characters (they dropped a V in the body of the string.) TATTOOED back up w/20-character EAM "FOR DOWEL" at 1814z. JAPAN NAVY 508 1518 USB attempting to raise MCCLELLAN with no success. Moved back to 11175 (JH) Navy Victor 910: 1056 USB wkrg Thule pp Thule metro. REACH 574: 1111 USB wkrg Thule pp 589-XXX Casino (439AW Cmd post) other ops info. (KW2) NAVY LIMA NOVEMBER 45 INDIA 1859 USB clg Mainsail, nothing heard. Croughton 2309 USB wkrg PP for REACH 611 to Hilda East (MF2)

WAR46 1731 USB clg NIGHTWATCH 01, w/no response. However, NIGHTWATCH 01 up on freq at 1734z working a weak station here (unid), & seemingly id'ing the freq as Z-215. At 1905z, WAR46 clg & wkrg NIGHTWATCH 01. MACDILL wkrg APPOINTEE in voice and data. NIGHTWATCH 01

1013 USB wkrg PRESCOTT. NIGHTWATCH 1744 USB net active here w/ NIGHTWATCH 01 & weak players. At 1949z, WAR46 worked NIGHTWATCH 01. At 2003z, SPLENDID worked NIGHTWATCH 01 and checked out of the net using the new 3-element authenticators. WAR46 1606 USB wkrg NIGHTWATCH 01. Then MERCATOR (sounds like) works an unheard NIGHTWATCH 01, advising NW01 that he is going monitor only for 1.5 hours. At 1728z, CHINAWARE works an unheard NIGHTWATCH 01. At 1744z, MERCATOR, back up, works an unheard NIGHTWATCH 01 and they move to ZULU 230 (not found). At 1929z, CHINAWARE works NIGHTWATCH 01 (the CHINAWARE opr
sounds very much like the NIGHTWATCH 01 opr who often works the 0000z+/h timeperiod on NIGHTWATCH 01.) By 2206z a weak station enters the net with NIGHTWATCH 01, and NIGHTWATCH 01 advises that GRASSFOX is also in the net. At 2250z, GRASSFOX works ______ (could not make out id), who enters the net through GRASSFOX. (JH) LABOR DAY: 1231 USB wkrg MacDill with voice/data. (LVH). USNA 1512 Cw training msgs (RM)

13960 SAM 26000: 1239 USB wkrg Andy here on self ID'ed F-291 (LVH).
13996 USAF MARS Net: 2325 USB EE sx stns AFA1ED, AAT9HD (AZ), AFA3FZ (WI), QTHs? (ANEU)


14402 US ARMY MARS: 0005 USB m AAR3CB (QTH?) w/UNID stateside (ANEU)

14441.5 USN MARS Clg Fq: 0055 USB EE sx NNN0IBM (f OP), id as CYL & IBM, QTHs? (ANEU) NNN0NWV: 2240 USB running phonepatches. (PvdE) (see 14441.5 for ID hLOGS)
WUNhv02

KC-135. Albrook 1854 USB making an all frequency request for REACH 0026, no joy. Albrook 2032 USB wkrg PP for SHARK 29 to Lobo (MF2)

15031 CANFORCE 01 1751 USB wkg Trenton Mil, posn: just cleared west coast of France going oceanic. Canadian PM going home ?? Pri 15.031 Sec 11.232 (AB2)

15034 CHR: Trenton Military, Ont, CAN 2131 USB w/wx. (AB2)

15038 SPAR 67: 1400 USB on 948 upper moving to 448 upper lost. Previously on 311 upper (11220) (JP2)

16405 Italian Military, Genova 0700 USB tfc (ANEE)

17976 MCCLELLAN 1645 USB as lead GHFS station, w/102-character EAM: UPSAEW..., followed at 1651z with 20-character EAM "FOR EMILY." (JH)

Offutt 2338 USB w/EAM. (LB2)

18027 SURPRISE 1657 USB working CLASSICAL for signal checks. (JJ)

= MISC =

288 HH: NDB Hoek van Holland lt, HOL 2140 CW (AB)

288.5 YM: IJmuiden front lt, HOL 0845 CW (AB)

296 GR: NDB Goeree lt, HOL 2220 CW (AB)

296.5 BH: NDB Blavands Huk lt, DNK 1647 CW (AB)

299 AD: NDB Ameland lt, HOL 2143 CW (AB)

299.5 Ameland lt, HOL 2143 MSK 100bd DGPS transmissions (AB)

301 ER: NDB Eierland lt, HOL 1649 CW (AB)

303.5 VL: NDB Vlieland lt, HOL 1651 CW (AB)

305.5 AL: NDB Pointe d'Ailly lt, F 2153 CW (AB)

311 LMA: Lima NDB, D 1715 CW (AB)

311.5 Oostende lt, BEL 2137 MSK 100bd DGPS transmissions (AB)

312 OE: Oostende lt, BEL 2137 CW (AB)

313.5 CM: Cromer lt, G 0847 CW (AB)

316 PH: Locator Eindhoven, HOL 0740 CW (AB)

316.5 STK: Aero NDB StadsKanaal, HOL 0748 CW (AB)

317 VS: Locator Valenciennes/Denain, F 0746 CW (AB)

318 LEC: Stavanger NDB, NOR 1200 CW (AB)

326 LLS: Aero NDB Lelystad, HOL 1400 CW (AB)

327 MVC: Locator Merville, F 2150 CW (AB)

336.5 NIK: Nicky NDB, BEL 1920 CW (AB)

342 GG: Eelde Locator, HOL 0656 CW (AB)

348.5 LG: Luijk NDB, BEL 1723 CW (AB)

350 ROT: Aero NDB Rotterdam, HOL 2135 CW (AB)

352.5 DD: Locator Oostende, BEL 0735 CW (AB)

357 VZ: Locator Groningen/Eelde, HOL 0802 CW (AB)

360.5 MAK: Aero NDB Mackel, BEL 0733 CW (AB)

369 PS: Locator Rotterdam, HOL 2138 CW (AB)

375 OO: Locator Oostende, BEL 0731 CW (AB)

376 WP: Amsterdam locator, HOL 1212 CW. (AB)

382 PM: Peronne NDB, F 0630 CW (AB)

386 W: Aero NDB Stad aan het Haringvliet, HOL 2142 CW (AB)

387.5 ING: Aero NDB St. Inglevert, F 0853 CW (AB)

388.5 CH: Locator Amsterdam, HOL 2139 CW (AB)

393 DEN: Aero NDB Dender, BEL 0854 CW (AB)

395 OA: Locator Schiphol/Amsterdam, HOL 0730 CW (AB)

397 EHN: Aero NDB Eindhoven, HOL 2146 CW (AB)

398 ONO: Aero NDB Oostende, BEL 2146 CW (AB)

401.5 BET: NDB Rhein/Bentlage (German Army), D 0725 CW (AB)

404 MRV: Locator Merville, F 2158 CW (AB)

404.5 RR: Aero NDB Rotterdam, HOL 2158 CW (AB)

406.5 BOT: Bottrop NDB, D 0933 CW (AB)

418 MK: Aero NDB Calais/Dunkerque, F 0638 CW (AB)

421 BUR: Aero NDB Burnham, G 0640 CW (AB)

429 CLN: Aero NDB Clacton-on-Sea, G 0642 CW (AB)

431 ONT: Aero NDB Kleine-Brogel (Belgian Air Force), BEL 0645 CW (AB)

434 THN: Thorn NDB, HOL 1202 CW (AB)

3090 MOSSAD (ISR): 0135 EE wmf "SYNZ" (ANEU)

3128 UNID: E'EU (mil?): 0035 USB sx Polish? "Michael" w/ "Ivo", etc. (no pirate operation styl) (ANEU)

3215 UNID EE sx net: 0145 USB m "you can reach me by telephone..." this OP has an german accent, must be a german in Canada, stupid nazi chats abt "gas chambers in Auschwitz" and propaganda, sounds like pirates?? (ANEU)

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3270 MOSSAD (ISR) 0140 USB vmf EE "KPA2" (ANEU)
3300 CHU: UTC: AM time station Ottawa in ff/ee (RT2).
3314 HEP3: INTERPOL Zurich (SUI) 1835 CW v-mkr (ANEU)
3844 TLWN: UNID 0035 CW clg CXNE & ltr 5 ltr grps (ANEU)
3860 WA3NAN: Goddard Amateur Radio, Md, US 1449 LSB w/rebroadcast of audio for launch of Space Shuttle Columbia on mission STS-78, w/liftoff. (RB)
4035 UNID: (SUI) 2010 LSB swisshGG, sx, private chats, pirates? (ANEU)
4077 UNID: 1900 CW "DBY QSY 3893" many times, later many times "DBY QSY 4941", always the same full phrase, no tape but hand keyed (ANEU)
4194 UNID number/SPY stn: 1815z f GG machine voice, "neujen"/"=FCnlef" (=3D9 and 5) (ANEU)
4519 UNID 0214 AM mode YL EE Language 5FG Numbers Station. (KW2)
4754 1050 CW 5FG numbers station (CK)
4880 UNID, SPY?: 2215 USB f 5LG's. (ANEU)
5091 UNID, SPY?: 2030 USB f 5LG's. (ANEU)
5146 'Carmen 06' UNID sx Net (ex YUG?) mil.?: 1725 USB m/f OPS slavian lang.., 1730z 'Capitan 12' clg 'Skopje 06' (ANEU)
5151.5 UNID: 2025 USB sx Czech/Slovak?, ment:"telegram", coded msg (5LG's). (ANEU)
5170 MOSSAD (ISR): 2305 USB vmf EE "MIW2" (ANEU)
5277 PANTHER: DEA, Nassau, Bahamas 0229 USB wkg 34C re status; at 0354 60A clg PANTHER, no joy. At 0358 wkg 33C re negative sighting of target vsl., is RTB. DEA "Alpha" channel. (RB)
5301 OLX: MOD Prague 1901 CW cq (DG) (this is MOI Prague -LOGS)
5365.5 'MFPB' UNID: 1740 CW clg 8POM (ANEU)
5430 UNID asian stn 0830 USB Possible Japanese p/p (AW)
5437 UNID SPY: 2130 USB f cont. "ART" (ANEU)
5450 Several PNG companies 0830 USB different voices in Pidgin (AW)
5458 2CO9: UNID 1445 CW cont. clg OAWF (ANEU)
5470 UNID (Mil.?): 0030 LSB m FF sx (N'AF Accent), w/msg, starting all w/"DQLG" often ment.: "Rabat" & "Sahara", using "ICAO/NATO spelling" (ANEU)
5530 MOSSAD (ISR): 1955 USB vmf EE "VLB2" (ANEU)
5708 3ro unid 2145 USB FF sx w/unid f "Visibilite horizontale Zero". (ANEU)
5841 34C: 0312 USB clg PANTHER, no joy on DEA "Bravo" channel. (RB)
5874 KTIR: UNID 1745 CW clg UNID (SN9S?) (ANEU)
5939 UNID: 1850 CW cont. "T3 34995" (ANEU)
5985 CRMF: Kerema PNG 0840 USB Christian Mission Fellowship. Several stations chatting in Pidgin. Audible again, now that HCJB no longer broadcasts on 5900. (AW)
6565 Unid 1150 USB w/very loud speech-inversion scrambling (TB)
6660 Unid 0035 AM YL English Language repeating Sierra Yankee November AM. (KW2) (MOSSAD -LOGS)
6666.5 Unid 0421 USB The conversations have been here for several days...Spanish I think...both female and male...wouldn't mind knowing the general location of this chatter...just curiosity. (JC5) (Ary sez lot's of Spanish pirate amateurs are found here -LOGS)
6745 Numbers Station 0046 USB YL English language repeating Charlie India Oscar Two. (KW2) (MOSSAD -LOGS)
6845 F SLHFMM 0257 CW. Haven't seen this one since I left Japan last (Dw2)
6848 UNID: 1953 USB 6 tone mm (ANEU)
6856 UNID 0419 CW 5LG traffic. Ended at 0429z w/no formal sign-off Q-sigs or prosigns. (Dw2)
6871 HEP7: INTERPOL Zurich (CH) 1945z CW v-mkr (ANEU)
6873 Voice of America, Greenville, NC: (USA) 0055z LSB Feeder to ?? EE PRG (ANEU) VOA feeder Greenville NC 0432 LSB w/listeners' mail (RM)
6880 UNID (I): 1940 USB sx II m ops, no "Cambio"-pirates, sounds official, ment.:"Guadialdi Fianza" & "Carabinieri" (ANEU)
6959 UNID numbers SPY?: 2140 USB F EE 5FG'ss, ea grp 2 times. (ANEU)
7042.5 Unid 0457 LSB One of the more boisterous Spanish coms I've heard!!! Laughter on top of laughter! (JC5)
7540 "JSR" 1258 AM Phonetic Alphabet (EE/YL/5L) (CK) (MOSSAD -LOGS)
7604 CIO2: 1945 AM MOSSAD numbers station previously on 6745 This is still in the previous phonetic YL voice as before. (NS)
7668 UNID: 8BY 1848 CW "VVV (3x) 8BY (3x) 396/958/020/097/532 (ANEU)

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8BY: 2141 CW cq (DG) (Ary sez French Intelligence -LOGS)
7760 UNID 0645 USB OM & YL chatting. Sounded like MARS net pp but no
calls heard. Both speakers using over to end each transmission. (DW2)
7788 Unid Chinese stn 0830 USB pp in Chinese (AW)
7818 UNID Spy bcast: 1700z USB EE f, 3x2 fig grps (ANEU)
7851.5 LN2A: PTT Sveio Beacon (NOR) 1834 CW/Data, CW id on 7851.5. (ANEU)
7855 Unid: 1655 CW 5LGs (GD2)
7909 Unid: 0125 USB ANDVT tfc. (RB)
8005 RCD33: 1825 USB RR Radio Moscow, Feeder (ANEU)
8016.5 Unid 1534 USB OM & YL comms in Spanish (RM)
8029 Numbers Station (CIA Counting?) 0310/0341 USB YL repeats "004" three
times, then counts 1 thru 0, & repeats. (RB)
8048.5 Unid net chatter. Seemed to be working on a computer setup. (JJ)
8095 UNID Russian sx Net: 1550 USB RR m/f, 1 stn id: "Crysantera" (ANEU)
8125 KIT88: 1505 USB FAA Martinsburg WV closes down NARACS Eastern Region
Net. Acted as net control because KDM50 FAA Hampton GA had
malfuioning eqmnt and could not lead net. KLD70: 1514 USB FAA
Nashua NH clg KDM50 FAA Hampton GA. No joy for reason already
mentioned. KIT88: 1523 FAA Martinsburg WV wkg KCD73 FAA Islip NY 1525
KIT88 wkg KEMB80 FAA HQ Wash (WM)
8180 UNID: 1420 CW 5LG's, msg block starts w/"BT NR 06 J21 6:25:06 96 BT",
QRT 1430z (ANEU)
8188 Unid 1010 USB German female number station. (SM)
8307 UNID: 1705 CW cont. giving figure 1, QRT after more then 5 min. (ANEU)
8320 UNID: 1505 USB m sx Arabic, ment.: Beirut/Istanbul, ships?, bandplan?
(ANEU)
8320 Unid: 1204 USB cherry tune then numbers sounds like what was on 8014.
a few weeks ago. (EW)
8332 UNID: 1550 USB sx II QSO between m & f, "cambio", also a small child,
clg him "Papa", dally hrd, pirate/ship-op to home?, bandplan? (ANEU)
9220 Unid number sta UTC? MODE? 1yl in ss 2/3 ng (RT2)
9251 1800 USB Lincolnshire Poacher (E-3), id "19568" (CK)
1000 WWV Ft Collins CO,USA 0134 AM std cont (RHB)
10020 UNID: 1730 USB sx m FF, "a vous" as 'over', bandplan? (ANEU)
10040 UNID: 2100 USB sx m Far Eastern (Asia) language, pirates?, bandplan?
(ANEU)
10043 Unid 0021 USB in either CAN or USA. 2 OM/EE chitchat. Non-
aeronautical comms (RM)
10047 UNID: 2030 USB sx m/f SS, "cambio", pirates?, bandplan? (ANEU)
10050 UNID: 1730 USB sx m/f II, "cambio", pirates?, bandplan? (ANEU)
10055 UNID: 1720 USB sx m sounds japanese, "over", bandplan? (ANEU)
10230 Unid Island net 1020 USB pp in unid language (AW)
10248 8BY Unid CW sta Unid 0152 CW Marine? id tape: VV VV VV 8BY 8BY
885/020/058/532/.(RHB) (Ary sez French Intelligence -LOGS)
10297 Moskwa Meteo, RUS 1745 USB f RR Volmet s/off with "Moskwa Meteo
konjez" (ANEU)
10352 Unid: 1510 AM Mossad h+00 xmission, prob Cairo station CIO2 callup.
(ANE)
10454 VOA feeder Greenville NC 1854 USB w/nx in II on and slowly spoken nx
in EE on LSB(RM)
10493 WGY911 (FEMA HQ, Wash. DC) 1515 wkg WGY 912 (FEMA Mt. Weather, Va)
w/signal check. WGY914 (FEMA, listed as Canal Zone...anyone know if
this is still correct?) 1716 wkg WGY912 w/radio check. NIGHTWATCH 01
1634 wkg WGY901 (FEMA Federal Regional Center, Region 1, Maynard, MA)
passing message: H191635. KEMB80 (FEMA HQ, Washington, DC) 1751 wkg
WGY912 (FEMA Emergency Assistance Center, Mt. Weather, VA) checking
into the net in response to hurricane Bertha. KGF615 (or maybe KDF
615) 1755 wkg WGY 912 amidst heavy QRM at my QTH. (MJ)
10717 Unid Island net 0655 USB pp in unid language (AW)
10766 Unid: 0815 USB asian? language (ANE)
10825.5 4XML V BFR7: 1034 CW repeats over and over. (EW)
10987 UNID: 1535 CW cont. "HIGK HIGK HIGK QTA ZOF AR" (ANEU)
11055.5 2 Chinese stn 0650 LSB pp in Air band (AW)
11063 Unid 1552 USB rolling code speech inversion(RM)
11067 Unid 1938 USB speech scrambler (RM)
11071 Unid 1536 USB rolling-code speech inversion (RM)
11111 Unid 1554 USB 2 OM in SS. (RM)
11123 UNID number SPY: 1540 USB EE f 3x2 fig grps (ANEU)
11172 Unid 1013 USB Italian Simplex. Male & Female. (SM)
11256 Unid phone net in PNG 0833 USB stations talking local language (AW)
12190 Unid 1603 AM numbers station w/female repeating 591,591,591,0000, 0000 (Sw3)
12202 Unid: 2109 CW 5FG 0 cut as T. Ends 2109 w TTT TTT (RM)
12370 Unid stations 0615 pp. EE w/Indian accent. (AW)
12610.5 RUF9: Unid 0800 CW w/CQ marker. (AI)
13165.5 Unid: 2352 USB w/raspy sliding tones(RM)
1325 Hurricane Watch Net 0313 USB just ending, passed traffic on hurricane watch area and then thanked all participants. (LB2) N1OTC: 2138 USB wkg N6LJO (Net Op) in the Hurricane Watch Net. N1OTC passed info on Venezuelan freighter in distress and sinking near the U.S. Virgin Islands. Weak. (MM2)
13436.2 Unid 1317 USB OM & 2 YL in Spanish (RM)
13436.3 Unid 1554 USB 2 OM in Spanish (RM)
13436.9 Unid 1322 USB 2 OM in Spanish (RM)
13487 Unid: 1400 USB MI6 #s station til 1415 (ANEE)
14686.3 Unid 1259 CW ROU diplo w nw qtc 1 qfp 2 all.sk pse qsy 12.nw pse qsy 44. Second CW sta. on 14687 w/reply fol'd by third CW sta. on 14686.3. First sta. goes to crypto mode ROU-FEC 164.5/400 at 1302. (RM)
14750 Unid: 1320 AM Mossad h+15 xmission, prob Cairo station CIA2 callup. (ANEE) Mossad 1346 USB YL/EE (Israel's Mossad) rpts Charlie India Oscar 2 (RM)
15997 Unid: 1123 CW weak hand morse about 20wpm. too weak to determine language. (DW)
16480 Palma de Mallorca 0730 USB tfc (ANEE)
18467 Medecins du Monde (mdm) Laghouat, Algeria 0915 USB tfc to Brussels? til 1000 (ANEE)
20386 Unid: 1015 USB unid african (liberia?), used 'roger' (ANEE)

Contributors:
(AB) Ary Boender, Spykenisse, The Netherlands
(AB2) Art Blair, Orangevale, Ca, USA (by mail): NRD-515, M-7000
(AD2) Alan Doherty, N.Coast, Ireland
(AI) Andreas Ibold, Moers, Germany (by mail)
(ANEUE)Anonymous, Eastern Europe
(EG) Edward Griffin, S.Francisco, CA, USA: Drake R8/ATS803A/AOR8000/R7100/R1
(EE) Eddy Waters, Collinswood, Australia: NRD 525, R8, Hoka Code 3
(GD) Greg Doerschler, Worcester, Ma, USA
(DDD) Day Watson, Clevedon, UK
(ED) Ed Deasy, Charrlottville, Va, USA: Hoka Code 3
(EG) Edward Griffin, S.Francisco, CA, USA: Drake R8/ATS803A/AOR8000/R7100/R1
(ED2) Ed Deasy, Charrlottville, Va, USA: Hoka Code 3
(EG) Edward Griffin, S.Francisco, CA, USA: Drake R8/ATS803A/AOR8000/R7100/R1
(ED2) Ed Deasy, Charrlottville, Va, USA: Hoka Code 3
(GD) Greg Doerschler, Worcester, Ma, USA
(GG) Gary Glaze, Willamette Valley, Or, USA: DX440
(GH) Gary Hahn, Milwaukee, Wi, USA
(GT) Graham Tanner, London, England
(HW) Hans Wildschut, Zutphen, the Netherlands: Lowe HF225 with 12m wire
(HW2) Harold Woering, USA: TS440S
(IB) Ian Baxter, Blackburn, England
(IB) Ian Baxter, Blackburn, England
(JB) John Burtenshaw, POOLE, Dorset, UK: FRG100
(JB2) Jeroen Beijer, the Netherlands: FRG100
(JC5) Jeff Chambers, Long Island, NY, USA
(JH) Jeff Haverlah, Houston, Tx, USA: R5000/R7/FROG7/RFB65
(JJ) Jeff Jones, Ca, USA

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(JP2) Jacques Pagnoux, western France: NRD535, AOR3000A

(KB) Klaus Betke, Northern Germany: Icom R72 & homemade RTTY/FAX decoder

(KS) Keith Stein, Woodbridge, Va, USA: Sony ICF2010

(Kw2) Ken Windyk, Springfield, MA, USA: Sony ICF2010

(LB2) Les Butler, Walled lake, MI, USA: Icom R-72

(LVH) Larry Van Horn, Brasstown, NC, USA: Yaesu FRG100

(MC) Mike Chace, Bath, UK

(MF2) Mike Fink, S. Florida, USA: Drake Sw8

(MJ) Mike Jacobs, Allentown, Pa, USA: R5000

(MM2) Mark Meece, West Chester, Ohio, USA

(MR2) Michiel Rivkin, Pamona, NY, USA: JRC NRD535D, Hoka Code 3

(MS) Michiel Schaa, Doorn, The Netherlands: IC R71E, Hoka Code 30

(MS5) Mark Schoonover, San Diego, Ca, USA: Kenwood R-1000, PK232MBX, JVFAX

(NS) Neil Soane, UK

(PE) Peter Elke, QTH?

(PJ) Paul Judd, Coquitlam, BC, Canada: Sony ICF Sw-77

(PP) Phil Potts, San Diego, Ca, USA: Drake R-8

(PT) Peter Thompson, Crewe, Cheshire, UK: Lowe HF225/Universal M-7000

(PvdE) Peter van den Esschert, Arnhem, Holland

(RB) Rick "RD" Baker, Austintown, Ohio, USA: Icom R71A, Icom R72, M-1000

(RD3) Rob Davies, Northwich, Cheshire, UK: NRD535

(RHB) Richard H. Brown Jr., Warwick, RI, USA: Icom R70/FRG100/FRG1000/M7000

(RM) Robert Margolis, Lake Forest, IL, USA

(RT2) Robert Thompson, Kilgore, Tex, USA: R390A, FRG100, R-8, NRD535D, M900/M6000V9, Hoka Code 3.

(SB) Steve Bottom, Cairns, Australia: FRG7700

(SF) Steve Fisher, SE Ohio, USA

(SM) Stuart MCMurtrie, Surrey, UK: Racal 1772

(SW3) Sue Wilden, Columbus, In, USA: ATS-803A

(TB) Tim Braun, Haymarket, Va, USA: FRG-100

(TO) Tony Orr, Reston, Va, USA: Lowe HF150, Datong FL-2

(TR) Tom Roach, San Jose, Ca, USA: Watkins-Johnson HF-1000, NRD525

(TT) Tim Tyler, Ypsilanti, Mi, USA: Kenwood R5000, Sony Sw55, TS50, AR8000, MVT7100

(WT) Wade Taylor, Glendora, Ca, USA

Abbreviations Used

// Parallel with Frequency pp Phone Patch
5FG's 5 Figure Groups PP Polish language
5LG's 5 Letter Groups R/T Radiotelephone (ship/shore fone)
a/c Aircraft rdo radio
ARP AIREP or Air Report re Reference/Regards
ck Check req Request
cud Could RR Russian language
dep Departed SAR Search & Rescue
dx duplex sta Station
EE English language sx simplex
enrt En route tfc Traffic
f female TG's Telegrams
FF French language tlx telex
GG German language unid Unidentified
hrd Heard unk Unknown
m male vsl Vessel
msg Message w/ with
MIB Maritime Info Broadcast wkg Working
nx News wx Weather
posn Position

=END=

WORLDWIDE UTE NEWS Club

An Electronic Club Dealing Exclusively in Utility Stations

WUNNEWS Vol. 2, No.08 August, 1996

Edited by Richard Baker

WUN Electronic Edition Editor
utelistener@msn.com

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Pagina 636
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If you have problems in this, or need further information contact Rick Baker at: utelistener@msn.com or ae411@yfn.ysu.edu

That's all it takes. There are no dues. A paper copy of the WUN Club newsletter can be obtained via our WUN publisher, Tim Braun, at WUN Publishing, P.O. Box 16533, Washington D.C. 22041-6533, USA, for the costs of printing & mailing at a rate of U.S.$1.50 per issue.

If you are reading this newsletter from another source, such as a BBS, please let us know!

===========================================================================
From your Electronic Editor:
* Welcome to another issue of the single largest source of utility station information and the most widely quoted utility station publication in the world...the WUN Newsletter.

WHAT'S INSIDE:
 o Membership News by Mike Wolfson
 o International Civil Aero by Tony Orr & Peter Ivakitsch
 o Ask WUN! by Colin Goodall
 o Digital Review by Ary Boender
 o The WUN Military Column by Paul Jones
 o Nautical News by Day Watson
 o New Products, Books, News and Reviews by R.D. Baker
 o The QSL Report by Martin Barry
 o Surfing the Longwaves by George Karayannopoulos
 o Utility Round-up by Ary Boender
 o World Bandscan by Tim Braun
 o The WUN Logs Column by R.D. Baker & TEAM LOGS
===========================================================================

MEMBERSHIP NEWS
Mike Wolfson, Membership Director
mwolfson@bright.net

The biggest news this month is that not much has changed. Over the last couple of months, membership levels have not changed very much. That can be said for August as well. The following chart shows this pretty well. Considering the number of people who are both utility listeners and have internet access, the figures are impressive.

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Members represented 30 countries this month. We did not have members from any new countries this time. As promised, I have completed a survey of the members who have submitted information to the database of listening preferences. In some cases there will be overlap. For example, those of you who enjoy listening to military aero traffic will get mixed in with the civil aero listeners. That kind of combination was necessary because of the way
people responded to the question. Also, almost everyone indicated multiple interests so the number of responses greatly exceeded the number of people in the database.

Now, for the results. Drum roll please.... and the winners are:
Aero 81, Military 60, Marine 47, Digital 38, All (including digital) 17, Weather (both wefax and volmet) 14, US Coast Guard 12, All (no digital modes) 10, Numbers Stations 8, HAM Radio 7, Diplomatic Services 7, Drug Interdiction 5, CW Stations 4, CW Markers 4, Long Wave 4, Customs 4, Press 3, Hurricane Hunters 2, Time Stations 1, Antarctic Bases 1 and Clandestine 1.

Speaking of the members database, its never too late to e-mail your information. If you're sending me a revision please indicate that in your e-mail. If you want to become part of these surveys, please answer the questions asked in the member's survey. Here is the survey:

E-Mail Address
Name
Where you're located (state/Province, Country)
Main receiver(s)
Main decoding equipment (HOKA, JVFAX, etc)
Monitoring interests (aero, marine, etc)

The information will not be shared or used by anyone except club officers for club purposes. The database management program I'm using can accept ASCII text. I am requesting that you answer each question on a separate line followed by a carriage return. Please do not include the question itself in the answer, just the information requested. That does it for August. Next month I'll do a survey of the decoding gear used by those of you into the digital modes.

Mike

===========================================================================
INTERNATIONAL CIVIL AERO
Editor: Tony Orr, 11404 Turnmill Lane, Reston, Va, 22091-3618 USA
E-mail: tony.orr@wdn.com or tourjet@ix.netcom.com
Fidonet: 1:109/236
Co-Editor: Peter Ivakitsch, 4357 Bloor Street West, Unit 19, Etobicoke Ontario, CANADA M9C 2A4 E-mail:peter.ivakitsch@westonia.com
Fidonet: 1:250/930

Welcome back to the column that never ends: it's INTERNATIONAL CIVIL AERO!!

In this edition of ICA, we have a special news flash regarding a new LDOC discovered by intrepid WUNner Ringo Starr, Chicago LDOC serving (so far) United Airlines on 5535, and frequencies for Berna R. LDOC, Switzerland. We have the usual AIRLINE news updates, and unfortunately no SELCAL CORNER this month. Vic has just informed me that he has lost his hard drive due to a massive failure, and with it all his programs and files! Stiff upper lip, mate!

===========================================================================
CHICAGO LDOC on 5535

On August 23, 1996 a new LDOC was noted operating on 5535 kHz working United 964 en route KIAD-LSZH. The station IDed as Chicago and Chicago Dispatch and was clearly not a phone patch but a direct connection from aircraft to LDOC. I am hoping that by next month, with your help, we'll get to the bottom of this! Try around 0430 for redispactal messages...

===========================================================================
BERNA RADIO LDOC-FREQUENCIES

In response to a few requests lately on the WUN list, we thought it would be a good idea to give you a refresher on Berna's frequencies: 3010/4654/4670/4702/6526/6643/6705/6742/8936/9211/10069/13205/13266/13324/13593/15046/15050/15835/17931/18023/18480/19554/20035/20870/21933/21988/23285/25500

The most active frequencies at the moment seem to be 4654/6643/8936/10069.
PHILIPPINES has placed the A340 into service on many of its routes to Europe, most with intermediate stops in Bangkok. PR722/PR742/PR744 to Frankfurt, PR722/PR730/PR734 to London Gatwick, and PR742/PR744 to Paris Charles de Gaulle are the flights involved. Flights heading back to Manila use one number higher. They have also leased MD11's from World Airways on a long-term basis and use them on the following flights:

PR209 Manila-Melbourne Tues/Thurs/Saturdays
PR210 Sydney-Manila Wed/Fri/Sun
PR212 Melbourne-Manila Mondays
PR213 Manila-Brisbane Fridays
PR214 Brisbane-Manila Saturdays
PR414 Manila-Pusan Thurs/Sun
PR415 Pusan-Manila Thurs/Sun
PR416 Manila-Seoul Thursdays
PR418 Manila-Seoul Fri/Sat/Sun
PR419 Seoul-Manila Fri/Sat/Sun

EMIRATES now has 777 service to and from Dubai and Abu Dhabi to London Heathrow effective September 1:

- EK001 dep Dubai 0730 arr LHR 1210 Daily
- EK002 dep LHR arr Dubai 2345 Daily
- EK003 dep Dubai 1445 arr LHR 1930 Daily
- EK004 dep LHR 2045 arr Dubai 0645+1 except Wed.
- EK005 dep Dubai 1305 arr Abu Dhabi 1440
  arr LHR 1930 Wednesdays
- EK006 dep LHR 2045 arr Abu Dhabi 0650+1
  arr Dubai 0815+1 Wednesdays

TRANSAERO Russia has begun flights to Los Angeles from Moscow-Sheremetyevo using DC10-30's leased from AMERICAN. Callsign is TSO or TRANSAERO and flights are TB321 SVO-LAX on Tuesdays, departing Moscow 1500 arr LAX 1840, TB322 LAX-SVO departs LAX 1800 arr SVO 1650+1 on Sundays, TB331 SVO-LAX operates on Tuesdays and TB332 operates on Sundays under a code share with KRASNOYARSK-AVIA. AEROFLOT's IL-96 is back at it on the Moscow-Sal-Rio de Janeiro-Sao Paulo giant long-haul service: SU353 operates on Wednesdays southbound and SU354 operates on Thursdays northbound. To Buenos Aires SU351 flies from Moscow on Sundays with an intermediate stop in Sal, as does the return SU352 operating on Tuesdays. VIRGIN ATLANTIC will commence nonstop London Heathrow-Johannesburg A340 service effective October 2. From September 23rd VIRGIN will lease a MARTINAIR 767-300ER which will operate the Manchester-Orlando route, freeing up the A340 currently used on the route to start the new service to South Africa. VS015/VS016 London Gatwick-Orlando service is now being operated by 747-400's...LAKER has the following scheduled routes effective September:

<table>
<thead>
<tr>
<th>Flight Number</th>
<th>Origin</th>
<th>Destination</th>
<th>Days</th>
</tr>
</thead>
<tbody>
<tr>
<td>6F501</td>
<td>Manchester-Orlando</td>
<td>Saturdays</td>
<td></td>
</tr>
<tr>
<td>6F502</td>
<td>Orlando-Manchester</td>
<td>Saturdays</td>
<td></td>
</tr>
<tr>
<td>6F503</td>
<td>Orlando-Manchester</td>
<td>Sundays</td>
<td></td>
</tr>
<tr>
<td>6F504</td>
<td>Manchester-Orlando</td>
<td>Mondays</td>
<td></td>
</tr>
<tr>
<td>6F505</td>
<td>Glasgow-Orlando</td>
<td>Fridays</td>
<td></td>
</tr>
<tr>
<td>6F506</td>
<td>Orlando-Glasgow</td>
<td>Fridays</td>
<td></td>
</tr>
<tr>
<td>6F611</td>
<td>London-Gatwick-FLL</td>
<td>Mondays/Fridays</td>
<td></td>
</tr>
<tr>
<td>6F612</td>
<td>London-Gatwick-FLL</td>
<td>Mondays/Fridays</td>
<td></td>
</tr>
<tr>
<td>6F613</td>
<td>London-Gatwick-MIA</td>
<td>Tuesdays/Saturdays/Sundays</td>
<td></td>
</tr>
<tr>
<td>6F614</td>
<td>MIA-London-Gatwick</td>
<td>Tuesdays/Saturdays/Sundays</td>
<td></td>
</tr>
</tbody>
</table>

Finally, UNITED has adjusted its aircraft on the Chicago-Frankfurt route as follows:

- UA940 ORD-FRA operated by 777
- UA941 FRA-ORD operated by 744

Also, you'll find the 777 now operating on the Washington Dulles-Amsterdam flights, UA946 IAD-AMS and UA947 AMS-IAD.
It's been a bit light this month in the way of contributions, must be that old summertime break, eh? We'll be back next month with more of the best and the latest in INTERNATIONAL CIVIL AERO: from your ICA Team, 73 and good DX!

===========================================================================

ASK WUN
THE INFORMATION STATION FOR WUN MEMBERS
ASK YOUR QUESTIONS HERE
Colin Goodall, editor

****************************************************************

1. FOLLOW UP TO PREVIOUS NEWSLETTERS
****************************************************************

Only one item this month, which is the replies received following the request from Ingvar Ohlsson last month concerning RAF callsigns. The following is believed to be the current situation but as usual if you know better then please let us know.

CALLSIGN ALLOCATIONS

<table>
<thead>
<tr>
<th>CALLSIGN ALLOCATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAF CIC Andover</td>
</tr>
<tr>
<td>VC-10 C1</td>
</tr>
<tr>
<td>Tristars</td>
</tr>
<tr>
<td>Hercules C1</td>
</tr>
<tr>
<td>Hercules C3</td>
</tr>
<tr>
<td>Islanders</td>
</tr>
<tr>
<td>Islanders</td>
</tr>
<tr>
<td>Tanker/Receiver</td>
</tr>
</tbody>
</table>

Standard Relay List showing Operating Authority:

A  RAF Brize Norton  N  LTW RAF Lyneham
B  RAF Brize Norton  O  LTW RAF Lyneham
C  10 Sqn RAF Brize Norton  P  LTW RAF Lyneham
D  10 Sqn RAF Brize Norton  Q  (was 60 Sqn RAF Benson)
E  RAF Brize Norton  R  32 Sqn RAF Northolt
F  216 Sqn RAF Brize Norton  S  RAF Northolt
G  RAF Brize Norton  T  (was 115 Sqn RAF Benson)
H  RAF Brize Norton  U  Queen's Flight, RAF Northolt
I  10 Sqn RAF Brize Norton  V  Kittyhawk Ops, RAF Northolt
J  RAF Air Ops, RAF Odiham  W  Kittyhawk Ops, RAF Northolt
K  LTW RAF Lyneham  X  RAF Brize Norton
L  LTW RAF Lyneham  Y  RAF Brize Norton
M  LTW RAF Lyneham  Z  LTW RAF Lyneham

QUEEN's FLIGHT.
Based at RAF Northolt, the Queens Flight is responsible for all air travel arrangements for the British Royal Family.

RAF SELCAL CODES

<table>
<thead>
<tr>
<th>RAF SELCAL CODES</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHBJ   RAF Benson</td>
</tr>
<tr>
<td>AHBK   RAF Northolt</td>
</tr>
<tr>
<td>AHBM   RAF Northolt</td>
</tr>
<tr>
<td>AHCD   Bae 125 XW788  32 Sqn RAF Northolt</td>
</tr>
<tr>
<td>AHCE   Bae 125 XW789  32 Sqn RAF Northolt</td>
</tr>
<tr>
<td>AHCW   Bae 125 XW790  32 Sqn RAF Northolt</td>
</tr>
<tr>
<td>AHCJ   Bae 125 XW791  32 Sqn RAF Northolt</td>
</tr>
<tr>
<td>AHCL   Bae 125 XX507  32 Sqn RAF Northolt</td>
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<tr>
<td>AHCL   Bae 125 XX508  32 Sqn RAF Northolt</td>
</tr>
<tr>
<td>AHDF   Bae 125 ZE395  32 Sqn RAF Northolt</td>
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<tr>
<td>AHJK   Bae 125 ZE396  32 Sqn RAF Northolt</td>
</tr>
<tr>
<td>AHGJ   C-130 XV176  LTW RAF Lyneham</td>
</tr>
<tr>
<td>AHCJ   C-130 XV177  LTW RAF Lyneham</td>
</tr>
<tr>
<td>AHGM   C-130 XV178  LTW RAF Lyneham</td>
</tr>
<tr>
<td>AHJK   C-130 XV179  LTW RAF Lyneham</td>
</tr>
<tr>
<td>AHJL   C-130 XV180  LTW RAF Lyneham</td>
</tr>
<tr>
<td>AHJM   C-130 XV181  LTW RAF Lyneham</td>
</tr>
<tr>
<td>AHKL   C-130 XV182  LTW RAF Lyneham</td>
</tr>
<tr>
<td>AHJL   C-130 XV183  LTW RAF Lyneham</td>
</tr>
</tbody>
</table>

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AHKM C-130 XV184 LTW RAF Lyneham
AHLH C-130 XV185 LTW RAF Lyneham
AJBD C-130 XV186 LTW RAF Lyneham
AJBE C-130 XV187 LTW RAF Lyneham
AJBF C-130 XV188 LTW RAF Lyneham
AJBG C-130 XV189 LTW RAF Lyneham
AJBH C-130 XV190 LTW RAF Lyneham
AJBK C-130 XV191 LTW RAF Lyneham
AJBL C-130 XV192 LTW RAF Lyneham
AJBM C-130 XV193 LTW RAF Lyneham
AJCD C-130 XV194 LTW RAF Lyneham
AJCE C-130 XV195 LTW RAF Lyneham
AJCF C-130 XV196 LTW RAF Lyneham
AJCG C-130 XV197 LTW RAF Lyneham
AJCH C-130 XV198 LTW RAF Lyneham
AJCK C-130 XV199 LTW RAF Lyneham
AJCL C-130 XV200 LTW RAF Lyneham
AJCM C-130 XV201 LTW RAF Lyneham
AJDE C-130 XV202 LTW RAF Lyneham
AJDF C-130 XV203 LTW RAF Lyneham
AJDG C-130 XV204 LTW RAF Lyneham
AJDH C-130 XV205 LTW RAF Lyneham
AJDK C-130 XV206 LTW RAF Lyneham
AJDL C-130 XV207 LTW RAF Lyneham
AJDM C-130 XV208 LTW RAF Lyneham
AJEG C-130 XV209 LTW RAF Lyneham
AJEH C-130 XV210 LTW RAF Lyneham
AJEK C-130 XV211 LTW RAF Lyneham
AJEL C-130 XV212 LTW RAF Lyneham
AJEM C-130 XV213 LTW RAF Lyneham
AJFH C-130 XV214 LTW RAF Lyneham
AJFK C-130 XV215 LTW RAF Lyneham
AJFL C-130 XV216 LTW RAF Lyneham
AJFM C-130 XV217 LTW RAF Lyneham
AJGL C-130 XV218 LTW RAF Lyneham
AJGM C-130 XV219 LTW RAF Lyneham
AJHK RAF Northolt
AJHL C-130 XV220 LTW RAF Lyneham
AJHM RAF Northolt
AJKL C-130 32 Sqn RAF Northolt
AJKM VC-10 XR807 10 Sqn RAF Brize Norton
AJLM C-130 XV221 LTW RAF Lyneham
AKBD C-130 XV222 LTW RAF Lyneham
AKBE C-130 XV223 LTW RAF Lyneham
AKBG C-130 XV224 LTW RAF Lyneham
AKBH C-130 XV225 LTW RAF Lyneham
AKBJ C-130 XV226 LTW RAF Lyneham
AKBL C-130 XV227 LTW RAF Lyneham
AKBM C-130 XV228 LTW RAF Lyneham
AKCE C-130 XV229 LTW RAF Lyneham
AKCF C-130 XV230 LTW RAF Lyneham
AKCH C-130 XV231 LTW RAF Lyneham
AKCJ C-130 XV232 LTW RAF Lyneham
AKCM C-130 XV233 LTW RAF Lyneham
AKDF C-130 XV234 LTW RAF Lyneham
AKDG C-130 XV235 LTW RAF Lyneham
AKDH C-130 XV236 LTW RAF Lyneham
AKDJ C-130 XV237 LTW RAF Lyneham
AKDL C-130 XV238 LTW RAF Lyneham
AKDM C-130 XV239 LTW RAF Lyneham
AKEG C-130 XV240 LTW RAF Lyneham
AKHL RAF Northolt
AMGH L-1011C ZD950 216 Sqn RAF Brize Norton
AMGK L-1011C ZD951 216 Sqn RAF Brize Norton
AMJK L-10111 ZD952 216 Sqn RAF Brize Norton
BDAM L-10111 ZD948 216 Sqn RAF Brize Norton
BDFM L-10111 ZD949 216 Sqn RAF Brize Norton

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RAF FLIGHT WATCH CENTRES

STRIKE COMMAND INTEGRATED COMMUNICATIONS SYSTEM (STCICS)

(a) H+00 QNH broadcast: H+30 Airfield colour state broadcast.
(b) H+15 and H+45 RAF Germany airfield flying states.
Selcal and phone patch available.
Callsign: ARCHITECT

ASCENSION

(a) Weather broadcast H+45
Flight watch available for notified flights.
Selcal only.
Callsign: HAVEN

CYPRUS

(a) Weather Broadcasts H+15 Actuals for AKROTIRI and LARNACA will be broadcast during period 3hrs until 2 hrs after published opening hours of AKROTIRI, other times on request.
Selcal and phone patch available.
Callsign: CYPRUS FLIGHT WATCH

GIBRALTAR (Forward Relay)

4.742 20-0700 11.234 07-2000
Selcal only.
Callsign: GIBRALTAR

MOUNT PLEASANT (Falkland Islands)
Flight watch available for notified flights. Frequency will be based on
local HF predictions and will be arranged pre-flight for all southbound
aircraft.
Weather broadcasts H+15 when active.
Callsign: VIPER

SPECIAL NOTE: The RAF will be getting a lot of brand-new C-130J’s over
the next few years. The first one is already flying with Lockheed's at
Marietta, Georgia and should be delivered to the UK either very late this
year or very early next year. Mmmm, lots of new selcals to get!

As I said at the beginning some of the above may be out of date, if
you can add to or amend this data please let us know here at ASKWUN.

This information has been provided by two of our special correspondents.
And that brings us to the end of this programme.
'till next time, Colin.

# DIGITAL REVIEW #
[ editor: Ary Boender ary@bitbike.com 2:283/512.24 ]

Howdy gang! I have only three items for you this month. As I am puzzled
what you dudes want to read about in the Digital Review, please let me know.
Suggestions for topics are much appreciated. If you want to share info with
us, please do send it to me. Even if you think that it isn't interesting, do
send it anyway as it may be of interest to other dxers. Everything is welcome.
Klaus and Day, thanks for your contributions this month.

Loggings..... a suggestion: when I am browsing thru the digital loggings
every month, I noticed that often the name of the station is mentioned while
the details show that only an idling signal was copied. Why mention a station
when you haven't seen any traffic? It happens very often that the station that
is listed on that frequency in the guides isn't there anymore, the French
government and military stations very often change frequency, to mention just
a few. Therefore I would like to suggest that in similar cases the station
name will be left out or will be mentioned as tentative,
e.g. 3451 kHz, Unid station idling in ARQ-E3
or 3451 kHz, MFA Paris (tent.) idling in ARQ-E3
or 3451 kHz, Unid station idling in ARQ-E3 (MFA Paris listed)

Enjoy! -Ary-

GMDSS revisited
-----------------
1 February 1999 is only 2,5 years away and the conversion to GMDSS is way
behind schedule.....

With this article I hope to answer the questions that reached me during the
past few months. For detailed info about GMDSS, please read also the Digital
Reviews in newsletters '95#12 and '96#5 (false alerts) + the Nautical column
in newsletter '96#7.

1 February 1999 is the date that all sea-going vessels have to be equipped
for GMDSS but..... ship fittings are way below target and the shore infra-
structure is similarly lagging behind. Australia is an example of what can
be achieved: virtually all Australian-flag ocean-going vessels are now
GMDSS-equipped! Many other countries however haven't done anything yet or
have just started. Of 109 Croatian-flag merchant ships, just 1 is fully
equipped. According to the British MSA, more than 75% of the world's fleet
has yet to be converted and with the current annual rate of conversion (5%)
it's going much too slow to meet the Feb.'99 deadline.
What does this mean? When we look at the bright side, we -dxers- can enjoy listening to the maritime bands a little while longer. On the other hand, GMDSS is a Distress and Safety System and when fully implemented, it will hopefully help to make sailing safer that it is today. Furthermore, several European ports like Bremen and probably also Rotterdam and Antwerp may impose unilateral sanctions against vessels who missed the GMDSS deadline.

In May I told you about the many HF DSC false alerts. During the International GMDSS conference in Plymouth a few months ago, the level of false alerts was described as 'intolerable' and 'appallingly high'. Almost all of the HF DSC alerts received by Australian coastal stations in the past three years have been false. This amount diminishes the HF DSC system as a distress alerting mechanism seriously. Following concern about the number of false alerts through the Inmarsat-C system, Inmarsat has established an alert quality control system. Every distress alert sent via Inmarsat is now tracked. When the alerted RCC says that the alert was false, Inmarsat will take up the matter with the ship or the owner. To prevail false alarms Inmarsat's new DSC-terminal specifications include a protected push-button instead of the unprotected buttons currently used. Pressing the button by error should be impossible now.

Here are the MF/HF frequencies again:

- 490.0 - after full implementation of the GMDSS this freq will be used exclusively for NAVTEX (local NAVTEX). Mode: NBDP
- 500.0 - D&S traffic. Until implementation of the GMDSS is completed, this freq will also be monitored. Mode: CW
- 518.0 - international NAVTEX. Mode: NBDP
- 2174.5 - D&S traffic. Mode: NBDP
- 2182.0 - D&S traffic. Mode: USB
- 2187.5 - D&S traffic. Mode: DSC
- 3023.0 - SAR traffic. Mode: USB
- 4125.0 - D&S traffic. Mode: USB
- 4177.5 - D&S traffic. Mode: NBDP
- 4207.5 - D&S traffic. Mode: DSC
- 4209.5 - NAVTEX-type traffic. Mode: NBDP
- 4210.0 - Maritime safety info by coastal stations. Mode: NDBP
- 5680.0 - SAR traffic. Mode: USB
- 6215.0 - D&S traffic. Mode: USB
- 6268.0 - D&S traffic. Mode: NBDP
- 6312.0 - D&S traffic. Mode: DSC
- 6314.0 - D&S traffic. Mode: NBDP
- 8291.0 - D&S traffic. Mode: USB
- 8376.5 - D&S traffic. Mode: NBDP
- 8414.4 - D&S traffic. Mode: DSC
- 8416.5 - D&S traffic. Mode: NBDP
- 12290.0 - D&S traffic. Mode: USB
- 12520.0 - D&S traffic. Mode: NBDP
- 12577.0 - D&S traffic. Mode: DSC
- 12579.0 - D&S traffic. Mode: NBDP
- 16420.0 - D&S traffic. Mode: USB
- 16695.0 - D&S traffic. Mode: NBDP
- 16804.5 - D&S traffic. Mode: NBDP
- 19680.5 - D&S traffic. Mode: NBDP
- 22376.0 - D&S traffic. Mode: NBDP
- 26100.5 - D&S traffic. Mode: NBDP

Abbreviations:
- SAR - Search and Rescue
- D&S - Distress and Safety
- GMDSS - Global Maritime Distress and Safety System
- DSC - Digital Selective Calling
- NBDP - Narrow Band Direct-Printing

Modes:
- DSC - Digital Selective Calling is a variation of Sitor-B, 100 baud 170 shift, but uses a special set of 127 symbols with a 10 bit error correcting code. The system is defined in Pagina 644
the ITU recommendation ITU-R M493-6. A DSC signal is short, ca 6-7 seconds on MF/HF and contains the following: station ID, priority, station being called, frequency to use. This system is used to establish the initial contact between ships and shore stations using GMDSS.

NBDP - Narrow Band Direct-Printing isn't a system in itself but a type of telegraphy for which mostly SITOR-B is used.

SITOR-B - A FEC system used by Marine Information services and the Amateur Radio community, typically 100 bd but an odd baud rate of 109.4 has also been monitored. Also known as FEC or AMTOR.

CW - Morse code still used by the Amateur community and Marine operations. Speed varies depending on whether hand generated or machine generated.

USB - Upper Side Band voice / radiotelephony.

Sources: Inmarsat/Ocean Voice, ITU, WUN's Digital Modes FAQ v4.0

Diplo Corner

o Bulgarian diplo: in the March edition of the diplo corner, callsigns Z2F16 / OFC were listed as 'Havana'. Please read 'Harare' instead.

This time Austria visits the Diplo Corner and as usual most of the stuff comes from Day Watson.

o Logged frequencies:

5070.5   7892.5   7896   10413   10422.5   14478.5   14487   14488.5
14518   14523   18582.5   20494   20742   20750

Reported frequencies:

7880   7891.5   7893.5   7894   9399   10298   10421.5   10425.5
10488.5   13617   14481   14482   14520   16132.5   16133   16164
17459   18411.5   19730   19810.4   19928.5   20480   20494   20750
20753.5   20973.5

o Transmission modes used:

ARQ/S 96bd / N / 185 / 5 and 6CRC
FEC/A 96bd
FEC/S

o Notes on operation:

[SUN]
Language: German, English
Single freq. ops
Chatty opr exchanges, with names
Uses OVER+ to transfer, and CLEAR+ to terminate
Offline encrypted traffic in 5 letter groups. First group always ZZZZZ followed by groups 2-6 the same. Final group also ZZZZZ.

o Reported callsigns/selcals for parent MFA/Embassies:

OEC21 Warsaw OEC35 New Delhi
OEC36 Beijing OEC44 Tel Aviv
OEC51 Cairo OEC52? Lisbon
OEC57 Pretoria OEC61 Rome
OEC64 Lagos OEC72 Lisbon
ONN45 Brussels Selcal KFFX

o Dictionary:

Aussenamt MFA (Vienna)
austroamb Austrian Ambassador

o Sample message formats:

Example #1 - offline encrypted message header

Pagina 645
message start

(from Austrian Ambassador New Delhi)

(to MFA Vienna)

(message number)

(page nr/originator/message nr)

(page nr/originator/message nr)

(example)
He also sent me a list of fax stations that he copied this year. Although fax on HF is becoming more and more unpopular by the authorities, there is still a lot to catch. For skeds etc., see also Marius Rensen's HF-FAX list on his web-site or on WUN's Home Page.

**Sequence: Freq (kHz), station, country, last heard (month/year)**

<table>
<thead>
<tr>
<th>Frequency (kHz)</th>
<th>Station</th>
<th>Country</th>
<th>Last Heard (Month/Year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>53.6</td>
<td>Moscow Meteo 1, RUS</td>
<td></td>
<td>8/96</td>
</tr>
<tr>
<td>144.5</td>
<td>Moscow Meteo 3, RUS</td>
<td></td>
<td>5/96</td>
</tr>
<tr>
<td>2342</td>
<td>Grengel Meteo, D</td>
<td></td>
<td>6/96</td>
</tr>
<tr>
<td>2628</td>
<td>Melbourne Meteo, AUS</td>
<td></td>
<td>4/96</td>
</tr>
<tr>
<td>3280</td>
<td>Tashkent Meteo 1, UZB</td>
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<td>8/96</td>
</tr>
<tr>
<td>3357</td>
<td>USN Cutler, ME, USA</td>
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<td>3377.3</td>
<td>Ankara Meteo, TUR</td>
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<td>Arkhangelsk Meteo, RUS</td>
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<td>Samara Meteo, RUS</td>
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<td>Hamburg Meteo, D</td>
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<td>4271</td>
<td>CF Halifax, NS, CAN</td>
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<td>Bracknell Meteo, G</td>
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<td>8/96</td>
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<tr>
<td>4623</td>
<td>USN Rota, E / Sigonella, I</td>
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<tr>
<td>4633</td>
<td>USAF Roosevelt Road, PTR</td>
<td>8/96</td>
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That's all folks! See ya next month. -Ary-

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Hello and welcome to another column, I've had quite a bit of stuff sent to me this month, so let's get down to business...

**U.S. COAST GUARD CHANGES**

J.D. Stephens obtained some info about changes in the U.S. Coast Guard trying to QSL Group Moriches, NY:

I asked the TCIC at CG Group Moriches, NY about the UNID CG traffic I logged ID'ing as "Coast Guard Activities Baltimore" and here is what he had to say... The Baltimore transmission you heard was from "Coast Guard Activities Baltimore", which used to be Group Baltimore. With budget cutbacks and downsizing came "activities" which is basically just a lot more commands under 1 umbrella (Group Baltimore, Supply Center Curtis Bay, CG Yard Baltimore, and others). The same thing has happened in NYC. The CG is well into the process of moving off of Governors Island, which for years was where the majority of CG activity was located in NYC, however they have already moved CG Atlantic Area offices from GI to the Chesapeake, VA area. Group New York and Group Sandy Hook are in the process of consolidating into Activities NY and will be located on Staten Island.

Interesting changes for sure....thanks J.D.

**U.S. NAVY**

- The U.S. NAVY received yet another multi-purpose amphibious attack-ship, the USS Bataan. These ships carry everything needed to support a "marine expeditionary unit", about 2000 men. These ships carry also a squadron AV-8B harrier-II bombers, helicopters and even hovercrafts. The medical facility is about 600 beds and the ship has extensive Control, Command, Communication and Intelligence systems.

- Also, a new Arleigh Burke-class Aegis missile destroyer has entered service, the USS Cole (DDG-67). The ship is abt. 8600 metric-tons in size, armed with a 125 mm gun, the MK-41 vertical-launch system to fire a large range of missiles from Tomahawk cruise-missiles to VLA anti-sub rockets. But there is more, Harpoon-missiles, MK-32 torpedo-launchers and 2 MK-15 "Phalanx" rapid-fire cannons. For a good sub-hunt the ship has a AN/SQR-89 system with an AN-SQS-53C bow-sonar and the AN-SQR-19 towed-array sonar. These systems are controlled with an LAMPS-MK-III anti-sub warfare control-system. There is a facility for an SH-60B helicopter, and the radar is an AN/SPY-1D radar. The gas-turbines give this hunter a speed of 30 Knots.

- The USS Seawolf (SSN 21), the Navy's newest and most advanced attack submarine, got underway recently from the Electric Boat Shipyard in Groton, Conn., for initial sea trials. The sea trials are scheduled to last approx. three days during which Seawolf will undergo a series of events, including acoustics trials, engineering inspections and at-sea training for the crew. The new Seawolf-class submarine provides the Navy with advanced weaponry and new tactical capability and communications. Seawolf was designed to be the world's quietest submarine, less detectable at high speed than a Los Angeles-class submarine is while sitting at the pier! Compared to previous SSNs,
WUN-v02

it has an increased weapons load of Mark 48 anti-submarine torpedoes, Harpoon missiles and Tomahawk cruise missiles. Seawolf is commanded by CAPT (Sel.) David McCall.

The second-to-last Ohio-class Trident ballistic missile submarine, USS Wyoming (SSBN 742), was commissioned Saturday, July 13, 1996 at Naval Submarine Base New London, Conn.

Air Force General Eugene Habiger, Commander-in-Chief, U.S. Strategic Command, welcomed the ship and its crew to the strategic forces of the United States. USS Wyoming is the fourth U.S. Naval ship to be named after the 44th state of the Union and is the 17th Ohio-class ballistic missile submarine built by General Dynamics Electric Boat division of Groton, Conn. since 1981. The Trident submarine is 560-feet long and displaces 18,750 tons. USS Wyoming (SSBN 742) arrived at Kings Bay Naval Submarine Base July 26, becoming the ninth submarine to be homeported there.

(The Last) Flight of the Intruder Attack Squadron (VA) 34 returned to Naval Air Station Oceana, Va., July 23 following the all-weather attack A-6E aircraft’s final deployment with the squadron, which first saw service in 1963 during Vietnam.

The final Intruder deployment included air shows in Skrydstrup, Denmark, and Hyeres, France. The squadron will turn in their A-6E Intruders for F/A-18C Hornets and prepare for a home port change to Naval Air Station, Cecil Field, Fla.

More than 15,000 Sailors, Marines, Airmen, Coast Guardsmen and units from Australia, Canada and Chile participated in Pacific Joint Task Force Exercise 96-2 (PAC JTFX 96-2), a major 3rd Fleet exercise off Southern California Aug. 8-19. PAC JTFX 96-2 involved 20 ships and various types of fixed-wing aircraft and helicopters from the USS Kitty Hawk Carrier Task Group and the USS Essex Amphibious Ready Group. The 11th Marine Expeditionary Unit, embarked in Essex, also participated. The exercise tested weapons systems, logistics support plans, plus search and rescue abilities, and trained participants in command and control, air strike and support operations. Amphibious training ended with an amphibious landing at Camp Pendleton, Calif.

PAC JTFX 96-2 is part of a series of exercise's previously named "FLEETEX." The current name reflects the increasing focus on preparing naval forces to participate fully in joint operations with other U.S. forces. Exercise 96-1 produced quite a few good snags by WUN'ers, but I'm not sure what was heard from 96-2 yet.

USS Inchon (MCS 12), the Navy’s first mine warfare command and control ship, and its 685-member crew, arrived at Naval Station Ingleside, Texas, July 20 to begin its new role as the cornerstone of naval operations in mine warfare. Inchon recently underwent a 15-month conversion in Pascagoula, Miss. from an amphibious assault ship to a mine countermeasures command, control and support ship. It will serve as a "floating port," providing a landing platform for MH-53E Sea Dragon minesweeping helicopters and a repair and re-supply facility for Avenger-class mine countermeasures ships and Osprey-class coastal mine hunters.

The 602-foot Inchon is the largest of 18 ships homeported at Ingleside. The other ships include 12 mine countermeasures ships: USS Avenger (MCM 1), USS Defender (MCM 2), USS Sentry (MCM 3), USS Champion (MCM 4), USS Devastator (MCM 6), USS Scout (MCM 8), USS Pioneer (MCM 9), USS Warrior (MCM 10), USS Gladiator (MCM 11), USS Ardent (MCM 12), USS Dextrous (MCM 13), USS Chief (MCM 14) and five coastal mine hunters: USS Heron (MHC 52), USS Pelican (MHC 53), USS Oriole (MHC 55), USS Robin (MHC 54), USS Black Hawk (MHC 58).

The last Trident Ballistic Missile Submarine, Louisiana (SSBN 743), was christened July 27 at Electric Boat, Groton, Conn. Named to honor the 18th state in the union, three previous ships have borne the name Louisiana: a sloop (1812-1823), a sidewheel steamer (1861-1864) and a battleship (BB 19) (1906-1920). Louisiana is the last of 18 Ohio Class/Trident ballistic missile submarines authorized by Congress to be built.

Louisiana was designed for extended patrols and is equipped with the Trident II D-5 missile system. The armament includes 24 missile tubes for Trident II submarine launched ballistic missiles and torpedo tubes for MK-48 torpedoes.
Following the commissioning in 1997, Louisiana will be homeported in
Kings Bay, Ga., as part of the Submarine Force, U.S. Atlantic Fleet. Captain
Wil Cooke, a native of Marion, Ala., is the prospective commanding officer
with a crew of 16 officers and 157 enlisted personnel.

USS America (CV 66) was decommissioned in a ceremony Aug. 9 at the
Norfolk Naval Shipyard in Portsmouth, Va. America returned from its last
deployment Feb. 24, where its squadrons flew 250 combat missions over the
skies of Bosnia.

The "Nation's Flagship" and crew also distinguished themselves during
Operation Desert Storm. America is the only carrier to have launched strikes
against Iraqi targets from both sides of the Arabian Peninsula: Red Sea and
Persian Gulf. The aircraft carrier was commissioned Jan. 23, 1965, at Norfolk
Naval Shipyard.

The first of the Navy's newest class of oceanographic survey ships, USNS
Pathfinder (T-AGS-66) completed its maiden transatlantic voyage Aug. 6, when
it pulled into Naples, Italy. Aug. 8, Pathfinder left port to begin its first
operational survey in the Mediterranean Sea. The ship is capable of gathering
data in both coastal and deep waters.

The Navy conducts surveys outside U.S. territorial waters to measure
water depths, variations in the Earth's magnetic field and determine gravity
anomalies. Information about the oceans helps the Navy deploy its resources
more efficiently and ensures safe navigation for ships of all nations. Path-
finder (international callsign NGKK) has a crew of 55, incl. 27 scientists
and survey technicians, and is operated by the Military Sealift Command. The
oceanographic surveys are conducted by personnel from the Naval Oceanographic
Office, located at the Stennis Space Center in Mississippi. Data is provided
to the Defense Mapping Agency where it is compiled into nautical charts.

See the 12490 sitor log of this ship by Rick Baker, apparently on this
maiden voyage.

USS Yorktown (CG-48), assigned to Commander Western Hemisphere Group,
Mayport, Fla., is scheduled to deploy in December. It is during this deploy-
ment that Smart Ship will enter its third and final testing phase. USS York-
town will change home port to Pascagoula, Miss., in September.

More than 2,000 Atlantic Fleet Sailors will participate in NATO exercise
Northern Light/Bright Horizon 96, Sept. 8 to 12, in the North Atlantic Ocean
and North Sea. The exercise will allow U.S. and NATO forces to conduct com-
bined training in air, surface, submarine and mine warfare. European NATO
forces are conducting the exercise, with U.S. and Canadian units participating
in key phases. More than 70 ships from Belgium, Canada, Denmark, France,
Germany, Greece, The Netherlands, Norway and Spain will participate.

Norfolk-based ships include command ship USS Mount Whitney (LCC 20), USS
Arleigh Burke (DDG 51), USS Thorn (DD 988), USS Nicholas (FFG 47), USS Estocin
(FFG 15) and USNS Leroy Grumman (T-AO 195), USS Boston (SSN 703), based in
Groton Conn., will join the NATO forces. Detachments from Helicopter Antisub-
marine Squadron Light 42 and 49 from Mayport, Fla., will embark aboard Nicho-
las and Estocin. So let's see if this produces any neat comms. Link-11 coor-
dination net's with many accents will be a dead give away!

The replenishment oiler USS Kalamazoo (AOR 6) ended more than 23 years
of service to the fleet when it was decommissioned at Norfolk Naval Base
Aug. 16. Named in honor of a city and county in southwest Michigan, the ship
delivered cargo and fuel to ships using modern transfer-at-sea equipment and
helicopters. During the ship's active service, it had a crew of 22 officers
and 398 enlisted personnel. The ship will be towed to the inactive fleet
facility in Philadelphia. So scratch NKZO and their MARS station NNNOVCVC off
your lists.

USNS Gordon named. The US Military Sealift Command officially named the
lead ship of the USNS Gordon (T-AKR 296) Vehicle Cargo Ship 4 July at Newport
News, Va. T-AKR 296, formerly the M/V Jutlandia and built in 1972 at Copen-
hagen as a containership she was lengthened in 1984 by Hyundai Heavy Indus-
tries at Ulsan Korea. In 1993 she and M/V Selandia were leased long-term
Maersk Line/East Asia Co. The ship was then refitted by Newport News until
January 1996. The work concluded installation of a centerline stern slewing
ramp, internal vehicle ramps, side-port vehicle ramps on each beam, electric cranes, two pedestal cranes, fin stabilizers, Sperry SRD 331 doppler log, SRD 421/S two-axis speed log, MR 37 Mod. E gyro, ADG 6000 steering control and GMDSS radio systems. There are six vehicle cargo decks.

SOUTH AFRICAN NAVY
o SAS Drakensberg docks in New York. South Africa's Navy Fleet Replenishment Ship SAS Drakensberg (A301) docked in Manhattan 30 July. She is the first South African Navy vessel to visit since 1976.

ROYAL NAVY
o U.K. orders two assault landing ships for the Royal Navy
UK has ordered two new assault landing ships for the Royal Navy. The ships will replace the Fearless-class HMS Fearless (L-10) and HMS Intrepid (L-11), the latter of which is in reserve. The ships, to be named HMS Albion and HMS Bulwark will displace 13,000 tons, have a speed of 18 knots and will each carry 325 crewmembers and 650 troops. They will be able to operate two Merlin HAS.1 or Sea King HC.4 helicopters and each have eight landing craft, four of which will be capable of landing main battle tanks. They will be based at Plymouth and are expected to enter service in the next decade.

Thanks to Day Watson for the last three articles....

U.S. AIR FORCE
o Recently, some photo's where published of the "Tacit-Blue", the father of the F-117, B-2 and the Joint-stars. Another secret, airborne since 1985, possibly responsible for lots of UFO sightings. Tacit-Blue was designed for spy-missions with the radar-signature of a bat and extensive electronic equipment on board it seems extremely equipped for this task. Because of the good daylight-visibility of the aircraft, the development stopped after 250 flight-hours. Technical info: length: 16.7 meters, wingspan: 14.5 meters, operating-height: 25000 Ft flying at 250 Knots

o This came anonymously...
Here are the HF pre-set frequencies from a B-1B bomber based at Dyess AFB, Texas. Aircraft tail number 105.

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Re 17/18 as a note to this list, Dyess CP is RAYMOND 37.

o John Ward made a post reporting the move of the 43rd Aerial Refueling Group (ARG) from Malmstrom AFB in Montana to MacDill AFB in Tampa, Florida. The move is underway. Five of the group's KC-135/R tankers are now flying out of MacDill with a new aircraft scheduled to arrive each week through Oct. 1 when the transfer becomes official. When the move is complete, the 43rd ARG will become the 91st Aerial Refueling Squadron, Sixth Aerial Operations Group.
under the Air Mobility Command. The host unit at MacDill will change from the
Sixth Air Base Wing to the Sixth Aerial Refueling Wing.

The 43rd ARG/6AOG consists of 12 aircraft and about 550 active duty Air
Force pilots and support personnel. The aircraft currently use the callsign
FALLS XX, but that may change after the move.

U.S. Civil Air Patrol Wings change callsigns by R.D. Baker
As most of you are aware, the U.S. Civil Air Patrol (CAP) changed their
static callsigns effective July 1, 1996. Thanks to Mr. Anonymous, we now have
the answer why. It seems the CAP *HAD* to change them. All military static
callsigns are supposed to be unique; i.e. no two units are to use the same.
To ensure that this is so, prospective callsigns are cleared through the
appropriate agency’s or service branch’s frequency management agency. For
CAP, which is part of the USAF, that would be the AFFMA — Air Force Freq
Management Agency.

When the CAP callsigns formerly in use (the ones ditched this year) were
selected, the NHQ/DOKF (CAP National Headquarters Frequency Manager) neglected
to do this, leading to conflicts. For example, Wright-Patterson AFB uses
"Kitty Hawk," which was also the NC wing CAP call. The Wisconsin CAP callsign
"Badger," was also assigned to the 128th Air Refueling Wing, headquartered at
Mitchell Field in Milwaukee. To clear this up, the CAP wings resubmitted new
call choices, a total of four per wing. The AFFMA checked these choices and
each wing got the first-listed choice that didn't conflict, except Missouri
—all four of their choices were already in use, so they had to try again.
It's too bad that these changes had to occur - many of the old calls sounded
a lot better than the new ones. The only wing to actually get a better call
was Maryland, which went from PLANT (how did they ever get that?) to FREE
STATE. If you listen to CAP very much, you will probably note that many CAP
radio operators accidentally use the old call from time to time.
So thanks to Mr. A, we now know why the change! Here is a list of the new
callsigns:

NEW CAP GROUND CALLSIGNS
GROUND TACTICAL CALLSIGNS
CAPFlight is still required for Aircraft Use
National Headquarters
National Headquarters Special Use
Northeast Region
Connecticut
Maine
Massachusetts
New Hampshire
New Jersey
New York
Pennsylvania
Rhode Island
Vermont
Middle East Region
Delaware
National Capital
South Carolina
Maryland
North Carolina
Virginia
West Virginia
Great Lakes Region
Illinois
Indiana
Kentucky
Michigan
Ohio
Wisconsin
Southeast Region
Alabama
Florida
Georgia
Mississippi
Puerto Rico

Pagina 652
Tennessee                                           TENNESSEE CAP
North Central Region                                NORTH CENTRAL
Kansas                                              YELLOW BRICK
Minnesota                                            STAR FISH
Missouri                                             (Delayed in Processing)
Nebraska                                             PEACE GARDEN
North Dakota                                         GRASSLANDS
South Dakota                                         IOWA CAP
Iowa                                                 IOWA CAP
Southwest Region                                     CAP WEST
Arizona                                              RED ROCK
Arkansas                                             WILD WOOD
Louisiana                                            CAJUN CAP
New Mexico                                            SHIP ROCK
Oklahoma                                             OIL WELL
Texas                                                TEXAS CAP
Rocky Mountain Region                                ASPEN GOLD
Colorado                                             BLUE MESA
Idaho                                                STAR GARNET
Montana                                               BLACK GRANITE
Utah                                                 UNCLE MIKE
Wyoming                                               HIGH PLAINS
Pacific Region                                       WESTERN
Alaska                                                SOURDOUGH
California                                            YOSEMITE
Hawaii                                                FIREBRAND
Nevada                                                SILVER STATE
Oregon                                                BEAVER FOX
Washington                                            SPOTTED OWL

QSL editor Marty Barry passed on this information:
The Canadian Armed Forces operates, it seems, a MILITARY COMMUNICATIONS AND ELECTRONICS MUSEUM in Kingston, ON. I don't have any more information on it than that, but if anybody interested in the various gear used by Canadian military personnel over the decades would like to check it out, it's there. The museum is officially named after the recently deceased ARTHUR JAMES EDWARD CHILD, who was an Honorary Colonel of the COMMUNICATIONS AND ELECTRONICS BRANCH of the Canadian Forces and Honorary Colonel of 4 Fighter Wing of the Canadian Air Force, and who was the museum's major donor. When I get more information regarding the museum, I'll pass it on, and would also appreciate anyone knowing more about it to let us know.

Well that's about it for this month, my thanks go to Rick Baker, Ary Boender, JD Stephens, Day Watson, Marty Barry...and Mr. Anonymous! If you have news about your military that may relate to shortwave, drop me a line.

See you again next month, Bye for now.

Paul Jones
WUN-v02

Tug net in Vancouver, BC.
Portishead Radio
Maritime voice markers
Ship press
Musings by Ralf Kloth
OBS
Station overviews - Athens, and General Pacheco
Shipping news.

++++++ Vancouver, BC Tug Net on 4417 at 0400Z

Jim Gordon (jgordon@city.pg.bc.ca) passes on the following for maritime monitors....

"Seaspan International, a tug and barge company based in Vancouver, B.C., runs a check-in net for its fleet twice daily. I have regularly monitored them at 2100 local (0400 UTC) on 4417 simplex. The other time is in the morning 0900 local [1600 UTC] on the same frequency although I would have to verify this (my log is at home). Try the evening net for a possible QSL. The net only lasts about five minutes but the signals are generally quite strong. I can provide the QSL address in Vancouver for those who snag this one."

Thanks Jim.

++++++ Portishead Radio
Portishead has indicated GKY1 is beamed north and that their customers should use GKE1 GKY1 where possible reporting any problems when working through these stations.

As a reminder
GKY1 3615.7 reassigned from GND1 but located at Stonehaven (S of Aberdeen).
GKE1 3542.7 reassigned from GNK2 but located in Shetland Islands.

++++++ Maritime voice markers
At the end of July Rick Baker advised that he was trying gather a list of maritime voice markers that can be heard. Voice markers, sometimes called voice mirrors, are broadcast to help ships tune to their channel and judge the signal. They also work great for us to ID SSB coastal stations!

He kindly posted the list of those he recalls with the request for you maritime buffs to add where you can.

Athens Radio, GRC: female voice with announcements of dial-up services Hellenic Telecommunications Organization (O.T.E.) offers, in Greek, each service is separated by a "door bell" like "ding-dong".

Marker #2: rebroadcast of Greek National Time Standards station in Greek, with female voice "Ston eponemo to'no i o'ra tha i'neh...pause...(time)“, meaning "On the next tone the time will be...(time)".

Cyprus Radio, CYP: "This is Cyprus Radio, Radiotelephone Maritime Service" spoken in English & Greek by a female voice.

Madrid Radio, E: air horn like noise that precedes H+00 traffic lists for like 5 minutes....what is that?! I noted tonight at 0600 on 8728 was wasn't there.

Monaco Radio, MCO: female in English "This is Monaco Radio maritime telephone service", and I think this repeated in 3 other languages and frequencies given, but it's been awhile....

Norddeich Radio, GER: .."Hier ist Norrdeich Radio." in German by a female voice, followed by sound of ticking clock. Note Norddeich sounds a lot like "Nordine" to English speakers.
St Lys Radio, F: A few notes of the melody "Haute Garonne" played by an accordion?, concertina? (squeeze box, correct name of the instrument?), male in FF "Ici Saint Lys Radio (sounds like Cyhlease Radio)....Service radio telephonique avec les navires en mer. Cette transmission est effectuee au niveau normal de parole pour permettre le reglage des recepteurs de bord."

English translation: This is St. Lys Radio. Radiotelephone service for vessels at sea. This transmission is made at normal speech level to allow adjustment of ships' receivers.

What sounds like "this is" is the over-emphasized "Ici" with the stress on the second syllable.

(thanks to Martin Barry and Ralf R. Radermacher for the correction to St Lys)

It is irregularly broadcast ahead of the 0000, 0600, 1200 and 1800 UTC=20 traffic list.

These are all still active.

Ralf R. Radermacher wrote "a "close relative" of the Norddeich announce-ment used to be broadcast by the now defunct Kiel Radio. It was the very same recording with the voice part saying "Kiel Radio" and the clock noise played back at double speed.

Hugh Stegman recalled..."General Pacheco Radio in Buenos Aires has run something similar to Madrid's noise, without voice ID, for years. General Pacheco Radio used to broadcast a little, out-of-tune, 5-note electronic song, then "Desde Buenos Aires, esta Lima Papa Lima, transmite Argentina, servicios de General Pacheco Radio, radiotelefonico publico." (If memory serves). Haven't heard that one in a while. And if you really wanna get old, there used to be, "This is a test transmission for circuit adjustment purposes from the control center in Wellington." (New Zealand) That's from my childhood in front of the Hallicrafters. That loop has been gone for years.

Roger Caird came up with one not on the original list, Rome Radio..."my Italian spelling probably leaves a lot to be desired but..."

Rome Radio       Qui Roma Radio, radio telefonico marisimo........

Alex Wellner came up with an excellent list from the past and present. Maybe you remember some?

- NEPAL: "This is a test transmission for circuit adjustment purposes from the Radio phone terminal of Nepal Telecom Corporation. This station is located in the Central Telegraph office, Kathmandu." They never QSL'd my numerous reports...

- HANOI: "This is a transmission for circuit adjustment purposes from the Hanoi Radio Telephone Station" Ditto, no QSL.

- PORT MORESBY PNG: "This is the Post and Telegraph offices of Papua New Guinea, transmitting from Port Moresby. This is a test transmission for receiver tuning and adjustment" Heard some years ago.

- PEKING: Melody "East is red then " This is Peking International Radio Communications centre in the Peoples Republic of China" by YL.

- NRV GUAM: This is November Romeo Victor NRV testing for receiver alignment and transmitter identification. Testing 1-2-3-4-5,5-4-3-2-1. Heard about 1980

- MOSCOW: " This is a transmission for circuit adjustment purposes, from the Moscow Radio Telephone station." This is still current.

- HONG KONG: This is a test transmission from the Radio phone terminal of the Cable and Wireless LTD in Hong Kong. This transmission is for terminal
alignment purposes for the transmitting and receiving stations." Hong Kong is/was current about a year ago, but I haven't heard it lately.

o ORANGE JUICE GUAM: "This is Orange Juice testing for receiver alignment and transmitter identification. 1-2-3-4-5, 5-4-3-2-1. Heard cca 1979. ORANGE JUICE -Guam was a tactical callsign, long defunct. Probably similar purpose to the current early warning systems. I am sure one of the "oldtimers" will be able to shed more light on it. I consider it a "collectors item."

o HAMBURG: YL "You are listening to an independent telephone transmitter for point-to-point circuit, operated by the Radio Telephone Service of the Deutsche Bundespost in Hamburg, Germany." Heard before 1989

o CLARK AFB Philippines: OM "This is Alpha India Charlie, radio station on the island of Luzon, broadcasting for receiver alignment only.
1-2-3-4-5, 5-4-3-2-1"

o SYDNEY: OM "This is Sydney, Australia, the eastern terminal of the Overseas Telecommunication Service, transmitting a test message for the purpose of circuit adjustment and identification, for overseas stations scheduled for communication with Sydney at this time." Was current till about a year ago.

o ZUD SOUTH AFRICA:YL "This is the International Radiotelephone Terminal of ZUD calling distant stations scheduled to operate a service with ZUD" Haven't heard this one for a long time.

o SINGAPORE: YL "This is the overseas radio Telephone terminal of the Telecommunications Authority of Singapore. This transmission is coming normal modulation level, for the purposes of circuit adjustment."

o ZLW WELLINGTON: OM "This is a transmission for circuit adjustment purposes from a station of the New Zealand Post office. The transmission is modulated from the Radio Telephone Terminal located in Wellington" This station is defunct now.

o PAPEETE: YL " Ici Papeete, Polynesie Francaise Centre du Reseau General Radioelectrique de l'Administration Francaise des Postes et Telecommunications. Ceci est une transmission d'essai pour le reglage de votre reception."

o KUMYONG Nth Korea: OM "This is the Korean Central Wireless relay station in Kumyong the Democratic republic of Korea."

o GUANGZHOU, China: Voice Mirror in Chinese on 6510 KHz. Time 0920 UTC last month.

Thanks to all. If you can add or correct to this list, drop Rick a line at utelistener@msn.com or his snail mail address listed in his columns. We'll list an update down the road.

++++++ Ship press
I've discovered Tallinn/ESA has a broadcast in fec/third shift Cyrillic at 1115z to about 1150z on both 12593 and 16826. At the moment I suspect the start time is 1100z. Unknown is whether this is a Saturday (weekly) only broadcast, or if it is a daily occurrence (possibly barring Sunday).

Given in ALRS as an information broadcast (see Athens station overview down the column) Athens preceded the broadcast with the marker "de SVA press as". Again from ALRS the source is given as the Greek Ministry of Merchant Marine (YEN). The broadcast is in CW/Greek at around 22wpm.

++++++ Musings by Ralf Kloth
At the end of July Ralf posted his thoughts (worth repeating) firstly on Ships registries

"I always wondered about the continuous appearance of new ships carrying the Liberian flag and Liberian callsigns, while the state of Liberia with all it's authorities has been ruined in a civil war for several years now."
Some weeks ago I found in the German newspaper FAZ an article about open ship registries:

The Liberians had outsourced their ship registry business to the International Registries Inc (IRI) in Reston, USA, for about 20 Million U.S. Dollars per year.

The Liberian ships registry is the 2nd largest in the world (after Panama). Due to the ongoing civil war, the image of the Liberian flag is decreasing. Since 1988, the IRI also offer certificates and registries of the Marshall Islands.

and secondly on - Iranian shipping:
He indicates that "although this happened some months ago, it might be interesting:
The ship IRAN Esteghlal (EQHY, selcall 59226) has been heard on 12504.5 kHz sending a DIRT LX msg to SHIPINGCO Tehran about leaving Bushehr port with destination Bandar Abbas. While this fact itself is not very spectacular, it is notable, that this message has been sent via Portishead Radio. This leads to the conclusion, that the Iranians don't have a local telecommunications infrastructure to handle traffic for their own ships travelling from one Iranian port to another one.

Thanks Ralf.

+++++++ Maritime websites
The following websites have come to light during the past month.
Our friend from the RTTY ranch Bob Margolis has been productive in his recent probing's of the web and has come up with the following of maritime interest.
Global Maritime Distress and Safety System at:
http://www.navcen.uscg.mil/marcomms/gmdss/gmdssreg.txt

Maritime transport in Vietnam at:
http://www.serve.net/vietnam/pages/INDEX.HTM
Pickup the link to Transportation Sector in the contents.

Maritime Mobile nets at:
http://www.reach.net/net/sites/personal/perchome/percmm/html

From the home page of Prince Edward Radio Club (radio amateur) can be obtained a list of HF radio amateur frequencies of maritime mobile service nets and their times of operations.

Maritime Mobile Service Network at:

This site has links to Merchant Marine, military and MARS web sites. The net is held daily from 1200 to 2200 EST on 14300 khz although Bob indicates it was still going at 2345 EDT on 14/July.

WUNderfull Bob. Many thanks

From Ken Olsen via the SHIPs list
The US Coast Guard's Office of Investigation and Analysis has gone online at:
http://www.dot.gov/dotinfo/uscg/hq/g-m/mao1a.html
Contains reports, statistical information, safety alerts, points of contact and routine investigational reports.

But almost immediately Greg Hayden asked on the SHIPs list if the USCG had taken one giant step backwards ? On 15 Aug he pondered Tell me it isn't so ....... this nifty well organized site is going away?
http://www.dot.gov/dotinfo/uscg/hq/g-m/mao1a.html
In favor of these poorly presented sites:
http://www.dot.gov/dotinfo/uscg/hq/nmc/nmc/Alert/index.htm
http://www.dot.gov/dotinfo/uscg/hq/nmc/nmc/Alert/index1.htm
Yech!!! Check it out for yourself he suggests.
On the up side he advises another Merchant Marine page at:
http://www.geocities.com/TheTropics/1965/
which takes you to dozens of maritime links try for example:
http://rampages.onramp.net/~rangerj/
for "Ol Sparkies" input.

Finally Thomas Chapman of Diamond Light is excited to announce that OCEAN
NEWS is up and running on the web and is fully functional at:
http://www.oceannews.com

This gives access over 20 topic pages of global trade and transport news from
the world's wire services and newspapers.......ocean shipping, shipbuilding,
ports, logistics, trade, communication technologies, and a special page
focusing on trade in China.
However being a commercial enterprise one must subscribe with the appropriate
amount of greenbacks, yen or bawbees depending on where one lives!

++++++ OBS
This is the message designator for weather observations sent by ships at sea.
Ships are recruited by national weather administrations. As far as the ship
is concerned it is on a purely voluntary basis -usually the "Old Man"
(Captain) agrees and the rest are "volunteered". As an ex-Sparks I was also
happy to work on a "reporting" ship - often single-handed (radio-wise) ships
have little traffic and OBS form a daily break from the boredom. At the same
time I was always a believer that the quality of shipping forecasts we were
sent was dependant on the input we provided. A variant on the old adage of
"rubbish in rubbish out".

The observations are made at sea by the Deck Officer on watch and passed to
the Radio Officer for transmission to one of a number of designated coast
stations within the zone in which the ship is currently sailing. From there
it is passed by landline to the appropriate met authority. There are no ship
station charges. Any coast station/landline charges if any are the subject of
negotiation between the met authority and the coast station.

The times (UTC) at which observations are taken are 0000, 0600, 1200 and
1800. On a single-handed ship one of these observations is during the night
when the RO is off-watch. The OBS is sent first watch thereafter. Even
although it might not reflect in the input for a particular synoptic
situation the data is used for subsequent statistics. However should the
ship be on the edge of, or even in, major disturbances I made it a practice
to be called from my bunk as soon as the OBS was ready. On occasion
supplementary obs would be made at the intermediate 3-hourly points (ie 0300
0900 etc).

The format is the World Meteorological Organization (WMO) FM13-x otherwise
known as SHIP. In met broadcasts it will be found under the heading of BBXX.
For those who wish to go a little further the format consists of six possible
sections. Not all sections are used. Coding is sectioned by three figure
symbolic groups and single figure symbolic indicators within each group; all
figures ascending order.

<table>
<thead>
<tr>
<th>Symb.grp</th>
<th>Symb.ind used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section 0</td>
<td>-</td>
</tr>
<tr>
<td>Section 1</td>
<td>- 0 - 9</td>
</tr>
<tr>
<td>Section 2</td>
<td>Starts 222</td>
</tr>
<tr>
<td>Section 3</td>
<td>Starts 333</td>
</tr>
<tr>
<td>Section 4</td>
<td>Starts 444</td>
</tr>
<tr>
<td>Section 5</td>
<td>Starts 555</td>
</tr>
</tbody>
</table>

A large number of the possible groups are optional. It is not within
the scope of this article to give complete details. These can be
found in
WMO Publication WMO 306 MANUAL ON CODES
ALRS (NP283) VOL3 RADIO WEATHER SERVICES AND NAVIGATIONAL WARNINGS
Klingenfuss AIR AND METEO CODE MANUAL
Anyone with alternate documents giving this information please email me at
the address at the column head.
A typical ship's OBS message will consist of sections 0, 1 and 2 but will vary depending on whether the ship is graded Selected, Supplementary or Auxiliary. When an observation or an element in a group is not available this is indicated by the forward slash or solidus "/" character.

Now as working examples the following OBS are decoded.

=================================
gyw  11133 99611 10017 41/98 81420 10158 20124 40133 57010 70222
     8///  22200 02136 315// 40705 80138=
Section 0
BBXX SHIP synoptic report from sea station
gyzw Ship's callsign - unable to identify via ITU MARS facility.
11133 11 Date
   13 Obs time(1300UTC)
   3 wind indicator (Note.1) Estimated, spd in kts
99611 99 Symbolic group - position follows
   611 61.1 Lat (N)
10017 1 Quadrant of globe Latitude N Longitude E (Note.2)
   0017 001.7 Long (E)
Section 1
41/98 4 Precipitation data not available
   1 Manned station. Pres/past wx inc (see 70222 below)
   / Height of base of cloud not known
   98 Horizontal vis 20 km
81420 8 Cloud cover 8 oktas
   14 True wind direction in tens of degrees (140 degrees)
   20 Winds speed in units indicated above (kts)
10158 1 Symbolic indicator - air temp follows
   0 Sign + or zero temp.
   158 Air temp to tenth degree Celsius (15.8C)
20124 2 Symbolic indicator - dew point temp follows
   0 Sign + or zero temp.
   124 Dew point temp to tenth degree Celsius (12.4C)
40133 4 Symbolic indicator - pressure follows
   0133 Pressure at mean sea level in tenths of hectopascal but thousands digit is dropped (1)013.3 hP
57010 5 Symbolic indicator - pressure tendency over last 3 hrs
   7 Pressure tendency - decreasing steadily/unsteadily
   010 Amount in tenths of hectopascals (1.0 hP).
70222 7 Symbolic indicator - weather pres/past follows
   02 Present weather - state of sky on whole unchanged
   2 Past weather - Cloud covering more half sky during period
   2 Past weather - ****
8/// 8 Symbolic indicator - cloud observations follow
     /// No information reported
Section 2
22200 222 Symbolic group - section 2
   0 True direction of ship during last 3 hrs (0=stationary)
   0 Ship's average speed during last 3 hrs (0=stopped)
WUN-v02
(Notes 3 and 4)

02136  0 Symbolic indicator - sea surface temp follows
       2 Sign of temp and method of measurement (2 = + and bucket)
       136 Sea surface temp in tenth degrees Celsius (13.6°C)
       (Note.5)

315//  3 Symbolic indicator - swell direction follows
       15 True direction from whence swell is coming in tens of
           degrees (150)
       //     "     "     "     "     "     "     "     "     "     "     "     "(no info)

40705  4 Symbolic indicator - swell information follows
       07 Period of swell waves in seconds (7sec)
       05 Height of swell waves in 0.5 metre units (2.5 metres)

80138  8 Symbolic indicator - wet bulb temp follows
       0 Sign and type of wet bulb temp (0 = + or 0 measured
           wet bulb)
       138 Wet bulb temp in tenth degrees Celsius (13.8°C)

Notes:

Comments: Given I don't have an identity for the above, that the ship
is reporting at "non-standard" time and is stationary but has a fairly
comprehensive report suggests possibly an oil rig (sea station) or a large
warship with met staff providing hourly reports (standard for land
stations but not for the majority of ships).

Note.1 Wind speed
0 Estimated metres/sec
1 Anemometer metres/sec
3 Estimated knots
4 Anemometer knots

Note.2 Quadrant of globe
1 Lat N Long E
3 Lat S Long E
5 Lat S Long W
7 Lat N Long W

Note.3 Ship's direction
0 Stationary
1 NE
2 E
3 SE
4 S
5 SW
6 W
7 NW
8 N
9 Unknown

Note.4 Ship's average speed
0 0 Knot
1 1 - 5 kts
2 6 -10 kts
3 11 -15 kts
4 16 -20 kts
5 21 -25 kts
6 20 -30 kts
7 31 -35 kts

Note.5 Sea surface temp may be taken by measuring seawater collected
in a bucket, at the seawater intakes (to the engine room), by
a hull contact sensor, or by some other means.

--------
ldwr 11134 99661 10020 41698 61310 10134 20108 40157 58001 70222
     84570 22200 04120 10802 318// 40802=

Section 0
Pagina 660
WUN-v02

ldwr POLARFRONT (this is a Norwegian specialist weather ship - Note.6

11134 11th 1300UTC Anemometer in kts
99661  Latitude 66.1N
10020  Quadrant Lat N/Long E.  Longitude 002.0E

Section 1
41698 Manned station. Cloud base 1000-1500metres. vis 20 km
61310 Cloud cover 6 oktas. wind 130 degrees. 10 kts
10134 Air temp +13.4C
20108 Dew point temp +10.8C
40157 Sea level pressure (1)015.7 hP.
58001 Pressure tendency - steady or decreasing - 0.1hP
70222 Weather states - as previous example
84570 Cloud observation (not decoded)

Section 2

Note.6 The N Atlantic at one time saw a number of Ocean Stations manned permanently a) on the western side by USCG cutters and b) on the eastern side by 4 British (ex "Castle" class frigates), 2 French (custom built) and 2 Dutch (custom built) weather ships and c) on a single station between Iceland and Norway by the Norwegians. The Ocean Station callsign was 4Y_ where _ was the station designation letter. 4Y is the ITU series for ICAO. These ocean stations were provided as radio/navigational "staging" posts for transatlantic aircraft under the ICAO umbrella, hourly met observations, six hourly balloon ascents, daily bathythermograph dips, plankton recording on certain passages to/from station, and aurora reporting as the occasion arose. Provision and regular drills for air-sea rescue contingencies were also covered. a. (to the best of my understanding) and b. have now ceased to exist. c. is still maintained by the Norwegians currently in the form of POLARFRONT/LDWR. Note that she will have met staff reporting on an hourly basis and providing the weather is clement will be lying stationary as can be seen from her OBS. If the weather deteriorates she will cruise slowly back and forth across her assigned position at a speed and direction more conducive to comfort. But we digress.

=========

dbfr 11134 99531 10044 46/9/ /3303 10167 20134 40059 50001 22253
00175=

Section 0
dbfr German vessel WALTHER HERWIG III
11134 11th 1300UTC Anemometer in knots
99531  Lat 53.1 N
10044  Quadrant Lat N Long E.  Long 04.4E

Section 1
46/9/ Automatic stn operation. No info cloud base. 9/ vis not understood
/3303 Cloud cover no info. wind 330 degrees at 3 knots
10167 Airtemp +16.7C
20134 Dewpoint temp +13.4
40059 Mean sea level pressure (1)005.9 hP
50001 Pressure tendency - increasing then decreasing - +0.1 hP

Section 2
22253 Ship proceeding SW at 11-15 kts
00175 Sea surface temp +17.5C (intake method)

=========

Pagina 661
Now you have the were-with-all to determine a ship's position, direction and speed, and some basic met parameters from her OBS. For detailed decode you'll have to obtain one of the above or kindred documents. Makes a nice change doing it longhand rather than electronically with fancy computer programs. There again longhand may be the only way you have.

++++++ Athens Radio overview
Location: Greece at 38.00N 23.53E

WT service
Watchkeeping - Note in particular marker on SVB series frequencies in use. Basically 4 6 Mhz HN (nights), 8 12 Mhz H24, 16 22 25 Mhz HJ (days).

Traffic list is sent at
0000 0200 0400 2200 on 4343 6478.7
0845 0945 on 8350
0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 on 22589.5
0800 1000 1200 1400 1600 on 25401
On 8687 13047 17094.8 every EH+00

Wx forecast is sent at 0348 0618 0948 1518 2118 on 4343 and 8687.
Information broadcast in Greek CW from the Greek Ministry of Merchant Marine is sent Mon-Sat 0048 1248 1848 on 4343 6478.7 8687 12833 17094.8 22589.5

SVD2  4223
SVB2  4239.4
SVA2  4343
SVB3  6344
SVF3  6411
SVD3  6444.5
SVA3  6478.7
SVG4  8454.5
SVJ4  8530
SVF4  8536.5
SVI4  8681
SVA4  8687
SVD4  8692.5
SVB4  8704
SVI5  12720
SVF5  12833
SVD5  12859
SVG5  12942
SVB5  13029
SVA5  13047
SVB6orSVI6166966
SVG6  16981.5
SVF6  16995
SVA6  17094.8
SVJ6  17147.2
SVD6  17188
SVD7  22471.5
SVF7  22500
SVA7  22589.5
SVB7  22595.7
SVI7  22660
SVG7  22679
SVA8  25401
SVF8  25431.5
SVG8  25486
SVD8  25535

Telex service
Stn nr 1780 ---> Selcal XYFV
Marker "de Sv." and long tuning mark.

Traffic list is sent (fec) on 4213 6321.5 8424 12603.5 16830.5 22387.5 every EH+20.

Ship press in Greek is sent (fec) - details not fully confirmed currently but try
<table>
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<tr>
<th>Ship</th>
<th>Lat</th>
<th>Lng</th>
<th>Ch</th>
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<td>4213</td>
<td>4175</td>
<td>[Ch 406]</td>
</tr>
<tr>
<td>SVU2</td>
<td>4216</td>
<td>4178.5</td>
<td>[Ch 413]</td>
</tr>
<tr>
<td>SVU3</td>
<td>6321.5</td>
<td>6270.5</td>
<td>[Ch 616]</td>
</tr>
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<td>6325.5</td>
<td>6274.5</td>
<td>[Ch 624]</td>
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<td>8421.5</td>
<td>8381.5</td>
<td>[Ch 811]</td>
</tr>
<tr>
<td>SVT4</td>
<td>8423</td>
<td>8383</td>
<td>[Ch 814]</td>
</tr>
<tr>
<td>SVU4</td>
<td>8424</td>
<td>8384</td>
<td>[Ch 816]</td>
</tr>
<tr>
<td>SVS5</td>
<td>12587.5</td>
<td>12485</td>
<td>[Ch 1217]</td>
</tr>
<tr>
<td>SVT5</td>
<td>12590.5</td>
<td>12488</td>
<td>[Ch 1223]</td>
</tr>
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RT service
Traffic list is sent on 4426 8734 8761 13170 17359 22744 every EH+05
Weather forecast in Greek 1215 2015 on 8734

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<th>Ship</th>
<th>Lat</th>
<th>Lng</th>
<th>Ch</th>
</tr>
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</table>

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WUN-v02

SVN77  22798  22102  [Ch2235]
22807  22111  [Ch2238]

Athens also sends a series of six FAX charts on 8530 commencing 0845. Currently (and reportedly until end of August) is a parallel frequency of 8105 under test at this time.

Research/acknowledgements:
ALRS Vols 1 (95/96) and 3 (95/96)
CFL Ed.9
Klingenfuss Utility Guide 1996

++++++ General Pacheco Radio overview
Location: Argentina at 34.27S 58.37W

WT service
Traffic list is sent
0000 0900 2100 on 4268
0000 0900 1100 1300 1500 1800 2100 on 8646 and 12988.5
1100 1300 1500 1800 2100 on 22587.5
LPD62      4262
LPD48      4268
LPD44      6404
LPD85      8514
LPD86      8646
LPD76      12763.5
LPD88      12988.5
LPD46      17045.6
LPD25      17195.5
LPD91or28  22513.5
LPD28or71  22587.5

Telex service
Station number 0101 ---> Selcal VXVX
Marker "LPD" and tuning burst.
Traffic list is sent (fec)
on 4218 8434.5 12647 every OH+05
on 16824.4 at 2105 2305 0105 0305 0505
on 22394.5 at 0905 1105 1305 1505 1705 1905

Ship

LPD      4218  4180.5  [Ch 417]
LPD      4219  4181.5  [Ch 419]
LPD      6327  6281   [Ch 627]
LPD      6328  6282   [Ch 629]
LPD      8434.5 8394.5  [Ch 837]
LPD      8435.5 8395.5  [Ch 839]
LPD      12647 12545  [Ch12137]
LPD      12648 12546  [Ch12139]
LPD      16824.5 16701.5  [Ch1637]
LPD      16825.5 16702.5  [Ch1639]
LPD      19699  18888.5  [Ch1837]
LPD      19700  18889.5  [Ch1839]
LPD      22394.5 22302.5  [Ch2237]
LPD      22395.5 22303.5  [Ch2239]
LPD      26119  25191  [Ch2637]
LPD      26120  25192  [Ch2639]

RT service
Traffic list is sent on 4387 4393 6507 8734 8749 13089 17242 19782 19782 22705 26160 every OH+05 during hrs of service.

LPL      4387  4095  [Ch 411]
LPL      4393  4101  [Ch 413]
LPL      4432  4140  [Ch 426]
LPL      6507  6206  [Ch 603]
LPL      8734  8210  [Ch 806]
LPL      8749  8225  [Ch 811]
LPL      8797  8273  [Ch 827]
Research/acknowledgements:
ALRS Vols 1 (95/96) and 3 (95/96)
CFL Ed.9
Klingenfuss Utility Guide 1996

++++++ Shipping news (with thanks to Steve Schultz and SHIPs list).
Name change for Madras
The port and city of Madras, India, have been renamed Chennai. The name is short for Chenna Datnam, or Chennappa Naick, the feudal chieftain who sold the area to the English East India Co. for use as a port.

Last six ships of ELMA to be sold
The Argentine Government will sell the last six ships of ELMA. They include four containerships:
M/V Presidente Sarmiento (20,221-dwt, 1,095 teu capacity),
M/V Dr. Juan B. Alberdi (20,169-dwt, 1,095 teu capacity),
M/V Isla Gran Malvina (24,427-dwt, 1,226 teu capacity),
M/V Isla Soledad (24,427-dwt, 1,226 teu capacity ship).
The two others are refrigerated ships chartered out to carry kosher meat to Israel. They are the
M/V Glaciar Perito Moreno and the M/V Glaciar Ameghino, (10,452-dwt).

Royal Nedlloyd sells five containerships
Royal Nedlloyd N.V. has sold five containerships to undisclosed Far East interests. They are the
M/V Armada Sprinter (14,101-dwt),
M/V Nedlloyd Main (14,245-dwt),
M/V Nedlloyd Musi (14,101-dwt),
M/V Nedlloyd Maas (13,800-dwt),
M/V Nedlloyd Merwe (14,101-dwt),

Maersk sells three containerships
Maersk Line has sold three former Ben Line containerships;
M/V Edinburgh Maersk (48,670-dwt),
M/V London Maersk (49,590-dwt),
M/V Paris Maersk (48,670-dwt).
They will be chartered back and will still be used from Europe to India and the Persian Gulf. The ships will return to British registry, as they were from their building until 1993.

M/V OOCL Canada christened
Orient Overseas Container Line has christened the M/V OOCL Canada at the Racine Terminal in Montreal. The 33,602-dwt, 2,300 teu containership was built by Samsung with an ice-strengthened hull.
She will be the largest containership on the St. Lawrence, on a 21-day schedule to Europe. The ship has a one person bridge system.

Nordana adds fifth ship to service
Nordana Line has added the ro/ro M/V Silkeborg to its United States/Mediterranean/Caribbean/Latin America/United States service.
The fifth ship will increase the frequency from 17 to 18 days to 14 days.

Bergesen sells two bulk carriers
Bergesen A/S said 26 July it has sold two bulk carriers. They are
M/V Probo Hawk (48,015-dwt) and

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M/T Sea Star has been delivered to Rodon Investments, Panama. Operated by Nereus Shipping, the 148,435-dwt double-hull tanker was built by Mitsui Engineering at Chiba, Japan, and is classed by A.B.S. She has a crew of 37 and is capable of 15.11 knots.

New Products, Books, News and Reviews
Rick "RD" Baker, editor
1352 Cavalcade Dr., Austintown, Ohio 44515-3844, USA
utelistener@msn.com or ae411@ysu.edu

Howdy folks. I had hoped to have the review of ScanCat done this month, but it's rather extensive and I had a parade of double-shift work days this month at the job that pays my bills! The short version is it didn't get done. I will try and have it ready for next month. Now if "work" won't keep getting in the way of my hobby - hi! Next month I have three new books as well.

RD REVIEWS
o 1996 Super Frequency List CD-ROM from Klingenfuss Publications (Part 2)
   Last month in my review of this CD I bemoaned the generic "RTTY" column being used as the mode and under 'details' the types of RTTY being listed such as FEC-A, Sitor-A, ARQ-E, ARQ-M2, etc without a search feature.
   well, I should have played with the CD's features one more day! One of the search button's is for a key word search. With this combined search feature (function key F9) you can look for any imaginable combination of words: entering FEC, then A, then 192, will lead you to all RTTY stations using the FEC-A 192 Baud system. It's pretty easy and works very well. Solves that problem completely.
   Joerg Klingenfuss reported that they will add all clandestine and domestic transmissions plus language and target area abbreviations as well in BC97 so you can even search for e.g. Pashto broadcasts to America at 01:23 UTC. That will be a bonus to you closet broadcast folks! Joerg further mentioned that they had already deleted all Loring entries in their files, which was a minor point on my 'nit' side. So, two minor nit's went to the plus side! For those of you who own computers and do not have a CD-ROM drive, this is a good reason to get one!

   All of the latest codes and message formats for aviation and meteorology are included, as is just about anything else you need to understand and use these formats.
   One of the first chapters includes a thorough discussion of the World Meteorological Organization (WMO), World Weather Watch (WWW) and their Global Telecommunication System (GTS) with complete message formats given. Chapters provide meteorological code formats including 'Aireps', 'Amdar', 'Arfoe' right up to 'Wintem'!; Symbolic Letters and Groups; Station Index Numbers; Solar and Geophysical Data; Aeronautical Abbreviations; The International Civil Aviation Organization Aeronautical Fixed Telecommunication Network (includes AFTN message formats); Air Traffic Services Messages (includes ATS message formats); Location Indicators (four-letter indicators used by WMO GTS, not IACO); Addressee Designators (three-letter used in AFTN messages); Aircraft Type Designators; The NOTAM Code (Notice to Airmen messages); SNOWTAM (special hazardous conditions); Data Transmissions (A thru Z discus-
sion of systems); Modulation Types; Standard Teleprinter Systems; Non-Standard Teleprinter Systems (includes vocabulary of Arabic words as they appear on a Latin alphabet teleprinter, ATU-80 same, and Chinese, Cyrillic, Hebrew, Amharic, Greek, Korean, Thai, Japanese, and others); Radiotelegraphy Terms and Definitions; Standard Morse Alphabet (in various languages); and Cryptolgy.

A really nice feature is the listing of recordings of the modes on Klingenhoff's CD-ROM/cassette Recording of Modulation Types "for those who mislay the list" that was provided. That's me!

What changed in the 15th Edition? In looking them both over, the 15th edition has the new code Synop Mobil and lots of amendments to the other codes; changes to the WMO GTS message format; new index numbers of meteo observation stations; and new ICAO location indicators.

This book is for the 'serious' listener, as well as those who have a deep need to understand 'what' is being received, not just what station sent it. If you can't find it here, I doubt it will be found.

Radio Data Code Manual (15th Edition) by Joerg Klingenhoff is available through most sellers of hobby books and shortwave radio products or direct from Klingenhoff Publications, Hangenloher Str.14, D-72070 Tuebingen, Germany For more information: (phone 49 7071 62830) or by e-mail 101550.514@compuserve.com http://ourworld.compuserve.com/homepages/Klingenfuss

NEW PRODUCTS

0 Frequency Manager 2.0 for Windows

Ingenieurb Satellitentechnik has released their new software for Windows. Since Frequency Manager 1.3 the software has grown a lot. The main features as listed in their ad's are:

- more than 26000 up-to-date utility stations, 14000 broadcast and now also more than 300 number stations
- frequency and background information of several systems you will not find in any other publication (CROWD 36, RS-ARQ, PSK, TT2300-ARQ)
- CAT interface to control several radios (ICOM, Kenwood, YAESU, NRD 535, AR3000, EKD500, (several RACAL,Love 150 in preparation, others on request))
- nearly every possibility to sort the tables by every criterion
- table scan, dataset scan with free delay time and number of scans
- doubleclick a dataset and your receiver is set to the correct mode and frequency
- adding, deleting and updating all frequency datasets
- updating frequency table without loosing your own logs
- play back of audio files in WAVE-format
- optional around 50 wave files for the most modes on shortwave
- extensive Technical Handbook for all shortwave related themes
- system description including CROWD36, RS-ARQ and most systems on shortwave with pictures for spectrum and oscilloscope
- fast find in milliseconds
- extensive search combination
- possibility for calling 3 external programms
- all data for one frequency with one click
- available in English and German

More descriptions and sample pictures will be soon available on their homepage. CD-ROM is in preparation and will be available around end of August.

All for now, have a good one (month that is!) -RD

===========================================================================

THE QSL REPORT

Editor: Martin C. Barry <martin.barry@medspec.com>
6875 Fielding #02
Montreal (Quebec)
Canada H4V 1P3

STATION/VERIF/CALL/FREQ/MODE/TYPE QSL/NO.DAYS/REMARKS/CONTRIBUTOR

FIXED STATIONS
Melbourne Meteo/VIC 13920.0 FAX CRD 23 ds letter (BVR)
USAF Lajes/CUW 8968.0 USB LTR 40 ds letter, folder (BVR)

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Offenbach Meteo/DCF  134.2 FAX LTR 12 ds (BVR)
Kyodo News/9VF      16035.0 FAX LTR 12 ds no veri (BVR)
Madrid Meteo/ECA    10250.0 FAX LTR 20 ds (BVR)
USAF Incirlik/AJG   11175.0 USB LTR 190 ds (BVR)
USAF Croughton/AJE  11175.0 USB LTR 18 ds (BVR)
USAF MacDill/AFE    11175.0 USB LTR 30 ds (BVR)
MARS Shore Sta/NNN0NUW 14467.0 USB PFC 9 ds decal, folder, QSL (MR)
MARS Shore Sta/NNN0MCL 14441.5 USB PFC 6 ds Camp Lejeune, NC (MR)
MARS Shore Sta/NNN0NWV 14441.5 USB PFC 13 ds Nvl Sec Grp Actvty (MR)
MARS Shore Sta/NNN0UMS 14441.5 USB PFC 19 ds Evansville, IN (MR)

MILITARY/COAST GUARD SHIPS
Warship Sheffield 8240.0 USB LTR 36 ds letter, folder (BVR)
Warship Invincible 8240.0 USB LTR 17 ds folder (BVR)
HRMS V Speyk 2204.0 USB LTR 30 ds (BVR)
HRMS Sittard 2204.0 USB LTR 21 ds (BVR)

CIVIL SHIPS
MV Iolar 2182.0 USB LTR 30 ds folder (BVR)
MV Cicilie Viking 2182.0 USB LTR 33 ds (BVR)
MV Shetland Service 2182.0 USB LTR 37 ds (BVR)
MV Howel Lykes 12489.0 ARQ LTR 34 ds (BVR)
MV Pluto 2420.0 USB LTR 14 ds picture (BVR)
MV Koningin Beatrix 2520.0 USB LTR 12 ds info (BVR)
MV Sturgeon 2520.0 USB LTR 25 ds (BVR)
Kriegship Emden 6779.0 USB LTR 24 ds (BVR)
Kriegship U 24 6779.0 USB LTR 43 ds (BVR)
KR Rheinland Pfalz 6779.0 USB LTR 46 ds folder (BVR)

MILITARY/GOVERNMENT AIRCRAFT
USCG Rescue 1503 5696.0 USB LTR 90 ds no veri (BVR)

MARITIME/NAVAL/COAST GUARD STATIONS
Tors Cove R./VCT 6329.5 FEC CRD 11 ds (BVR)
Mar College Aaland 12487.5 ARQ LTR 37 ds (BVR)
Brixham CG 2182.0 USB LTR 18 ds folder (BVR)
USN Norfolk/NAM 10865.0 FAX LTR 32 ds sked, no veri (BVR)
Halifax Naval/CFH 13510.0 FAX PFC 27 ds partial data (MR)

# # #

*** THE LITTLE BLACK BOOK ***

The following addresses correspond to some of the above QSL's (others may be obtained by e-mailing or otherwise contacting their recipients):

Halifax Naval Radio CFH  
Canadian Forces Meteorology and Oceanographic Centre  
FMO Halifax  
Halifax, NS  
B3K 2X0

Melbourne Meteo  
Bureau of Meteorology  
P.O. Box 1289K  
Melbourne 3001  
Melbourne, Victoria

Melbourne Meteo DCF  
Frankfurter Strasse 135  
D-63004 Offenbach  
Germany

USAF Communications Station CUW  
OIC/NCOIC Communications  
P.O. Box 1289K  
Melbourne 3001  
Melbourne, Victoria

Offenbach Meteo DCF  
Frankfurter Strasse 135  
D-63004 Offenbach  
Germany

Kyodo News Service  
Radio Transmission Division  
Minato-ku  
Tokyo 105  
Japan

Madrid Meteo ECA  
Ministerio de Transportes, Turismo y Comunicaciones  
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WUN regular JOACHIM STILLER of Germany reports monitoring northern-
Canadian utility RADIO ALMA quite often. The following updated mailing ad-
dress was recently furnished to him:

Radio Alma CGD206
Bell Canada
700 Lagauchetiere O.
C/O Anne Louise Poulin
21 N. 1
Montreal, Quebec
Canada
H3B 4L1

Fax: (514) 870-7157

Alma can be heard on primary channels 5390 and 5430 kHz, and also on
secondaries 3166 and 7465 kHz, but has been logged on other frequencies as
well. The station is especially active during the summer months, when sports-
men head into the Canadian wilderness to hunting and fishing lodges there.
Despite the recent launching of mobile satellite phone service in the area
covered by Alma as an alternative to HF, the station's popularity doesn't
seem so far to have declined very much.

VERIFYING SIGNATURES: Last month we agreed to include the verifying
signatures on QSL's in the 'remarks' portion of the QSL log. For practical
reasons, though -- that space being very limited, for one -- signatures from
now on will be found here in The Little Black Book. So if anybody is looking
for the name of the specific individual at a station to whom a reception re-
port should be addressed, you'll find it here (so long as it was sent to us).
Adding a special section like this for sigs is a good idea that came from a
wunner. If anybody's got any other ideas for ways to make the QSL Report
more practical to read and useful, feel free to tell us how.

NNNONUW - Mars Shore Station, Whidbey Island, WA - signed Debbrah
Banta MARS Operator.
NNNONMCL - Mars Shore Station, Camp Lejeune, NC - USN/US Marines,
postcard listing 7 Navy/Marine call-signs - signed LCPL David
Hutchinson, HQ BN CEO MARS.
NNNONNVW - MARS Shore Station, Naval Security Group Activity -
signed Raymond Trendle, Station Chief CTR2-USN.
Canadian Forces Meteorology and Oceanographic Centre, Halifax, NS,
Canada - signed Wayne Lumsden DCOS.

BERT VAN RIJ of Naaldijk, the Netherlands this month submitted a
total of 27 QSL's, representing a year's work between June 1995 and June
1996. Some of the QSL's were verified with the assistance of return postage,
in some cases without, with Canadian or American 'green,' or with a mint
stamp from the country in which the station is located. Among the QSL's in
Bert's list was one in particular from KING HUSSEIN JY1, of Jordan. The King
is a first-class amateur DX catch, Bert, but I think even he'd be surprised
to find himself turning up in a utility log! You just couldn't resist, could
you :)

STEVE BOTTOM of Australia posted some information on WUN a while back
regarding flights of classic turboprop ELECTRA freighters carrying tuna ex-
press. The flights, it turns out, are regular and can be QSL'd. "It's across
to Honiara (Solomon Islands) about 3 to 4 times a week," says Steve, "out
again (for example) 15.08.96 Australian date, that is from about 11:00 pm local. All flights to Honiara by Charrek leave about 11:00 pm due to customs arrangements. Flights this week were Thursday, Saturday, so departing here 11:00 pm Thursday night, 3 hours about to Honiara, 2 to 3 hours about on the ground in Honiara then a 3 hour flight back to Cairns sees them here about 9:00 am local. You're looking for Pacific Air Express-#### around 20,000 feet alt., on 5643, 8867 kHz. It will be about 45 mins. to 1 hour before he comes up on HF, so allow time when trying for this aircraft. Not too many Electra's around to log any more. If any of you log this flight, I have a QSL address for you." Steve can be e-mailed at: sirsteve@ozemail.com.au.

// Selection of Multilingual Reception Reports //
// Would Be an Aid to WUNNERS //

One of the biggest problems facing English-speaking QSL'ers is writing reception reports to utility stations in countries or parts of the world where the language spoken isn't English. When you consider all the possible barriers and stumbling blocks to a verification, including return postage or just getting attention, this has to be one of the most, if not THE most serious drawback. Some ute listeners might be so fortunate as to be proficient in maybe one other language besides English, but most of us are certainly not language experts beyond that.

An alternative for those who make a lot of use of personal computers, and who maybe also spend a good deal of time checking out various resources on the internet, is PC-compatible language-translation software. It's as easy to obtain as logging onto your service provider, going into your web browser, doing a general search for shareware sites, and then downloading a translation program in any number of languages from Croatian to Spanish. The bug, though, is then getting it to do what you need it for. And this is where some users, including myself, have discovered the limitations of translation software that frequently render it less useful than even an ordinary translation dictionary.

On the other hand, sometimes an application can come along that is specifically written to measure for a special kind of translation task. The other day in rec.radio.shortwave someone was looking for a specific program or book that would assist them in writing reception reports in foreign languages. A reply mentioned a book called "Language Lab - The Foreign Language Reporting Guide," written by well-known DXer Gerry L. Dexter. The translation aid's promotion copy claims that it "leads you step-by-step through the process of writing a reception report in a foreign language - from salutation to the closing," and is available in Spanish, French, Portuguese and Indonesian versions for $14.95 each from Tiare Publications.

This led to a discussion with WUN's Rick Baker about the relative merits and drawbacks of software and other means of translation, and he agreed that there is a dearth of available resources for ute listeners' reception report needs. While he has used software for such purposes, he also experienced the same sort of dissatisfaction with it. An alternative that he has found is to call upon the assistance of French-speaking internet friends. "I wrote a half/half letter for French warships I was snagging at the time. It worked pretty well." Using this method, here is what he came up with:

28 Fevrier, 1995
Francis Garnier (L-9031)
Navire Radio Officer
00300 ARMEES
France

Cher monsieur,

I am a shortwave listener (SWL) from Austintown, Ohio, a suburb of Youngstown (041.44N, 080.58W) here in the United States. As a hobby, I enjoy listening to the HF les bandes maritimes. I am
also working on my amateur radio license.

Le 22 Fevrier, 1995 at 0044 UTC, it was my pleasure to receive your ship, "FANI" on 8367.2 KHz in morse code (CW). This was working FUF. Your international callsign "FANI" was used and a QSY was made to "4". I thought you would like to know that la qualit du signal: bon. Signal was medium strength and clear here in Ohio, puissance du signal (QSA) tait tr de "S-5". L'equipement que je me suis servi pour la reception de votre transmission consiste d'un mettere/recepteur Icom R-72 HF receiver, using a 50 meter random wire antenna, end fed with coax.

As a part of my hobby, I collect QSL/PFC (le verifier) cards from ships and stations I hear for a large wall 'exposition'. This now includes over 155 warships from 7 countries. It would be le honorer to add "FANI", Francis Garnier, to my display. I'd appreciate it if you could verify (QSL) this reception if its correct, when you get some time. A Prepared Form Card (PFC) to be completed is enclosed, as is a self-addressed label and French timbre-poste to cover the cost of the mailing back.

I very much 'apprecier' your time, and thank you in advance for taking time from your busy day with my letter. I am very sorry for my bad and limited French!

Au revoir,

Rick reports that with this letter he was able to obtain an 80% return rate, changing only the month and other relevant data. But what does this make of other languages that might not be quite as easy as FF? For example, one of my dreams lately has been to QSL Warszawa Radio SPW (a booming signal into N/A from a station that at one time boasted the world's tallest guywired structure for an antenna!) The trick is not so easily turned in a language, Polish, of which I know zilch.

But says Rick: "I think, especially in maritime and military, there is enough English to at least get them by. Second languages are much more common than here in the U.S., and often it's English. In my other letters, I've always used English. For example, I've logged SPW in English, as well as other Polish stations, so they should understand enough to QSL." The clincher, he says, may be in choosing key words.

Which brings us to one of the more important points of this article. It would be nice if here on WUN we could compile a file in .ZIP format of assorted reception reports and cover letters to ute stations that could be downloaded by anyone wanting to QSL in a language at which he has little or no proficiency. It might be nice to have a standard text in English that covers all the basic details of a report, and then versions of the same one in different languages, knowing exactly what's in the original. Or else we could simply collect as many versions and types of reception reports in as many languages possible, and their authors could add comments to them, like the rate of return and degree of success with them and other corresponding data that might assist the next user. They don't have to be perfect translations by any means, keeping in mind that broken English seems to get through quite well, but that good renditions will likely obtain better results.

So far we've got two letters, both in FF. Other languages that might be especially in demand lately are Spanish, German and the above-mentioned Polish. Send them to the above postal or e-mail addresses, or also at: barrym@globale.net. Remember that there might be a language at which you personally are not very adept, but someone else is, while they might find your skill for another language especially useful.

Until next time, remember when sending us your QSL's to include (1) their mailing addresses, and (2) the verifying signatures. Thanks and ZKJ.
RADIO ON AUDIO (part 2)

Here is part 2 of Steve McGreevy's natural radio article. Enjoy!

''A WHISTLER SERENADE''

By Stephen P. McGreevy, (spmcgrvy@ix.netcom.com/s.mcgreevy@genie.geis.com)

My difficulties with whistler receivers and antennas was now behind me, but I still retain very fond memories of the beginnings of my own interest in whistler listening and study. In June 1989, Gail and I heard our first whistlers "live" while camped deep in the eastern Oregon desert near Steens Mountain. In anticipation of the trip and not yet aware of more advanced receiver circuits available for this pursuit, I built a crude "whistler-filter" which I knew would at least block out a lot of the potential man-made signals which might overload my tape-recorder's audio-amplifier. During the days leading up to desert trip, Summer thunderstorms had been plaguing the Great Basin areas of central and northern Nevada the result of the typical summertime "monsoonal" moisture which sometimes gets driven up northward from the southwestern states of Arizona and New Mexico toward the inter-mountain region of the western U.S. (including Utah and Nevada). July and August are the months of the most spectacular lightning storm displays that pound almost daily throughout the deserts and mountains of western North America.

As Gail and I arrived at our intended campsite in the Black Rock Desert of northern Nevada, one of the more fiercer-looking cumulonimbus clouds drifted in our direction, and a light rain began to patter the parched desert dirt. Shortly thereafter, the wind picked up accompanied by the rumble of thunder. It looked like we were going to be in for quite a bit of this judging by the looks of the clouds. As we tried to set up our "Tahjmatent" a huge dome tent which was tall enough to stand up in and roomy enough for 10 people to sleep in the winds started to blow so hard all Gail and I could do was just stand there holding the now horizontally flailing tent. The situation seemed rather dismal, however the skies to the north looked almost cloud-free, so we decided to cram our big wad of a tent and other supplies back into my small Toyota coupe and head farther north to an alternate location in Oregon about 100 miles away. We would return to the Black Rock Desert the following month under clear skies.

Arriving in the Alvord Desert of south-eastern Oregon with about 1 1/2 hours of sunlight left, we set up the tent under clear blue skies while occasionally stealing glances at the still ominous-looking skies to the distant south, hoping it would not come up our way. Fortunately, we were spared any further harassment from the weather and I became confident I could unroll my nearly 500 meter-long wire across the sagebrush. I connected my whistler filter to this wire and "grounded" the other connection to the car. Connecting my tape-recorder to the filter, I was rewarded by loud snapping and crackling from all the lightning happening south of us.

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The following morning at sunrise under cloudless skies, I turned on the tape-recorder and listened to the now greatly reduced amount of lightning static. But, a few of the louder lightning "pops" had whistlers (or what I thought sounded like "whizzers") happening a second or two afterward! I shouted for joy and thrust the headphones at Gail for her to listen, too. We were hearing our first whistlers, though they sounded different from the few I had heard recorded on cassette tape by Michael Mideke back in central California. The whistlers went on for an hour or so then died away. The following morning, the whistlers were back, but even louder! An already very enjoyable desert trip had turned into a milestone for me!

Now that I had heard whistlers on my own, I became "hooked" with this very esoteric aspect of radio listening. I had been enjoying shortwave listening to stations around the world and amateur "ham" radio for the past dozen years, but this was something very new and fascinating something that played well into my other casual and hobby interests in geo-physics, meteorology, and radio wave propagation studies. Over the next few years, I would learn a great deal about natural radio phenomena and how to build excellent receiving equipment to listen for whistlers and the like. One of the main goals was to build a whistler receiver that would not require a whole roll of antenna wire but only a small whip antenna a desire which came to fruition in the spring of 1990, when I "accidently" heard a loud whistler while rolling up the final few meters of antenna wire. I knew it was possible to hear whistlers with small antennas, and as I've already mentioned, a prototype to my portable handheld "WR-3" receiver was devised in the spring of 1991 with the help of another radio friend, Frank Cathell of Conversion Research.

In addition to all of my whistler receiver tinkering, trials and successes mentioned above, serious and regular natural radio listening (and quality recordings) began in February 1991, when nearly every Sunday morning well before sunrise (the "prime time" to listen for whistlers), I would pack my favorite whistler receiver, a small reel-to-reel tape recorder, and lunch into a knapsack and bicycle to the nearby hills. Upon reaching the base of the hills, I would then dismount and walk the bike up via a fire access road to my favorite listening spot a flat ridgeline overlooking much of Marin County, San Francisco, and San Pablo Bay at an elevation of about 600 feet above sea-level which I began calling "Whistler Hill." Here, I would listen for whistlers, and if there were any happening, run the tape recorder. I was rewarded by many beautiful sunrises and many nice whistlers on my weekly visits to Whistler Hill, and I was quite happy with my current receiver, a unit which used a 66-inch whip antenna, called the "MC-1." One memorable morning near Easter 1991, a "huge" whistler the loudest of the morning occurred just as the sun began peeking above the northern horizon. It was in this year that I would really discover the aesthetic beauty of whistler listening while out in nature!

While I was always glad to hear whistlers in the hills, it was not always easy to awake at 4 a.m. in the cold and bicycle the few miles up to Whistler Hill. Many of those Sunday mornings would have been better spent sleeping a few hours longer, but Oh!, was I so glad when those whistlers would be pouring forth in my receiver's headphones as another gorgeous sunrise was forthcoming then I was always glad I made the effort to get up early! But then again, I would sometimes get up to Whistler Hill only to hear NOTHING except the everpresent crackling of Earth's ongoing electrical storm commotion. And if the weather was gloomy, I was usually tempted to ride back home instead of continuing on my usual 8-10 mile bike and hike.

Why DIDN'T I stay home and listen to whistlers from the comfort of my bed, as is generally possible with more conventional broadcast radio? The problem lies with the electric-mains grid which has spread nearly everywhere man has settled. Alternating-current electric power lines emit "hum" at 60 cycles-per-second in the Americas, and 50 c.p.s. (Hz) in Europe and Asia. In addition to these "fundamental" AC power frequencies, "harmonic" energy is also radiated (120, 180, 240, 300, 360 Hz, etc.), or as in Europe and Asia: 100, 150, 200, 250, 300 Hz, etc.) often to well above 1 or 2 kHz. Since whistler receivers are sensitive to these electric power frequencies, any natural radio events which might be occurring get
masked by this terribly annoying humming sound, should one try to listen anywhere near AC powerlines.

The only solution to AC power-line "hum" is to locate a listening spot away from AC power poles and wires often as far as several miles before the hum levels are reduced to low or nil levels. This necessitates walking, hiking, bicycling, or driving to remote locations where there are few or no AC power lines easy to do in many parts of California and the west but often very difficult in flat land or urban locales. Sometimes, and with good filters in the whistler receiver one can listen as close as a couple-hundred feet (or maybe even closer) to residential AC electric wires. On a few fortunate and astounding occasions, whistlers can get so loud as to even be heard through the loud power-line hum levels encountered in a suburban backyard, demanding the whistler listener to immediately relocate to their favorite "quiet" listening spot in order to hear and tape record such magnificently giant whistlers, and at the same time praying that the monster whistlers still are going on when the whistler receiver is again turned on! Murphy's Law and my experiences generally suggest they will be gone and not to return until another inopportune time...

My tape libraries of whistlers and other natural radio phenomena vastly increased in late 1992 and throughout 1993 and early 1994. The stimulus to get out and make natural radio recordings came when, after purchasing a "camper-van" in July 1992, Gail and I headed up California's North Coast, stopping for the night at Westport Union Landing Beach north of Fort Bragg. We heard nice whistlers that evening and morning during darkness using our WR-3's clamped in the van's rear doors while laying in our comfy beds. Occasionally, however, one or both WR-3's would slip out of the door and nearly hit our heads. Gail came up with an idea to have a whistler receiver with an antenna that could remain outside while a control box could be put next to the beds. Well, I got right to work on this great idea of hers upon returning home, and quickly designed an excellent "WR-4" whistler receiver in which the receiving antenna (2.5 meters in length) is mounted on the van's read door ladder and the control-box containing filter switches, headphone and tape-recorder jacks, etc. could be placed next to the bed! Now, I could make recordings while comfortably in bed, even while dozing off letting the recorder run for 45 minutes or until I awoke to monitor the situation.

Since recording became very "convenient" while camping no more sore arms holding the receiver out the window or standing out in the cold and win, and not as much sleep deprivation as before I (alone or with Gail) am now able to locate to superbly quiet camping/listening locations deep in the desert or near mountainous areas and wait for conditions to present interesting natural radio sounds. The past couple of years has seen the combining of my enjoyment of camping and road trips with natural radio listening.

The ease of whistler listening with the WR-4 and our love or camping trips has resulted in about a hundred hours of recording in 1993 and 1994 from over 10,000 miles of travel a natural radio tape library which has become one of the better ones from an amateur, but I have no doubt that Mike Mideke's has to clearly be the FINEST amateur/hobby tape library in the world, since he LIVED in a quiet location free from strong powerline "hum" and has not had to travel to enjoy natural radio.

When Donald Cyr initially inquired if I would like to contribute some thoughts on whistler listening and experiences during the past couple of years since I last contributed material to his book: America's First Crop Circle; Crop Circle Secrets Part 2, I said "sure, I'd love to write something for your new book." Don was interested in any information I might be able to offer, such as where the best places to hear whistlers are, or if I found any particular places that whistlers were consistently stronger than in other locations. I assume he was hopeful that my findings might tie in to his theory, which I'll call "The Marion Island-Wiltshire Plain Crop Circle Theory," (a name I have created for this article) that suggests whistlers at least the ones which might have caused many English Crop Circles in the late 1980's and early 1990's-are highly localized phenomena that are launched at a given point, such as Marion Island in the south...
Atlantic Ocean, and are ducted via the magnetosphere along a line-of-force to the northern hemisphere, specifically, to southern England, where they, if they do not cause odd impressions in wheat fields of the Wiltshire Plain, will nonetheless be very LOUD indeed to one listening for them with a whistler receiver.

Don's theory, backed by his friend and colleague James Brett, was first presented to his readers in CROP CIRCLE SECRETS, PART 1, published in 1991 and highly recommended reading for this discussion as is PART 2, published in 1992. This particular book of Don's generated a good deal of interesting dialogue, and discussion. Of course, Don and James's Crop Circle Theory was really aimed at stimulating query and discussion about the what the mysterious forces which might be creating such incredible and beautiful impressions in the English landscape and that is the true driving force of inquiry and research. Other theories were pondered, suggested, debated, and dismissed by various contributors to Don's books, and they ranged from elaborate UFO theories, vortices and balls of light, military exercises (there are several military installations in that English region), underground forces of electromagnetic nature, to suppositions that they were plain and simply, artistic hoaxes concocted in the night by creative people armed with poles and chains.

Don and James were fascinated by the whistler theory as presented by researchers Storey Helliwell, The Institute of Radio Engineers (I.R.E.), et al., and they thought this theory was as good (if not better than most) at explaining a possible origin of Crop Circles. What seemed fascinating to Don and James was that Marion Island, also home to a secretive military installation, was at the far end of a magnetospheric duct, i.e., at a conjugate point to south-western England. Perhaps lightning storms, enhanced by the odd geography of Marion Island, or perhaps, a secret military experiment there, were generating great bursts of electromagnetic energy that would enter a magnetospheric field-aligned duct and arrive in England as a powerful whistler, which would cause Crop Circle by perhaps affecting the stems of the wheat stalks in odd manners.

> From a scientific point of view, however and from what both amateur and professional whistler listeners and researchers have found it is hard to believe whistlers were so concentrated in their energy area and also "intelligent" to create such lovely patterns in the English fields. Radio engineers and other "technical" people involved with radio waves generally know that it is impossible to confine a radio wave to an area or volume less than 1/2 its wave length. In the case of whistler energy emerging from the confines of its duct and resuming the velocity of light (300,000 km/186,000 miles per second), its (full-wave) size is from 19 miles at 10 kHz to almost 190 miles at 1 kHz pretty large! Mike Mideke eloquently expressed this reality in the final few paragraphs on page 27 and the first few paragraphs of page 28 of CROP CIRCLE SECRETS. Part 2. Also, the power of a radio wave (also known as the "field-strength") from even the strongest and loudest whistlers ever heard and/or recorded by anyone have never been as strong as the VLF radio waves generated from nearby lightning storms, though the lesser energy from whistlers is of course sustained much longer than the split-second burst of energy from a lightning stroke, and, or course, whistler radio energy does differ substantially from a lightning bolt's.

While whistlers would hardly seem to be so super-concentrated in their strength and focal area to cause such intricate and sharply defined impressions in plant material like crop circles, data gathered in the past 35 years by manned and un-manned monitoring stations located worldwide has found that whistlers do occupy a "footprint" 3 that is-they are heard loudest at a given location at ground level, and then gradually weaken as one moves concentrically away from "ground zero." Most whistlers are heard in a 500 to 1000 mile radius from the exit point region of its duct, though it's sound characteristics may be different from one place to another within this whistler reception area. Whistlers also tend to cluster in the middle and upper-middle latitudes of the globe between 25 and 60 degrees north/south, and are rarely heard at the "geomagnetic equator" a wandering latitudinal line on the globe at the half way point of any great-circle

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Most of the continental United States and southern Canada are between these latitudes to hear not only splendid whistlers but also beautiful VLF radio "chorus" from Auroral displays. The same goes for most of Europe, especially the British Isles and Scandinavia. In the Southern hemisphere; southern Argentina and Chile; the southern parts of Australia, particularly Tasmania; New Zealand; and perhaps, the Cape Horn region of South Africa, are similarly at the right latitudes to hear whistlers and chorus. The South Island of New Zealand and the Tierra del Fuego region of South America, plus the Antarctic Peninsula, are where the good displays of Aurora and auroral chorus can be seen and heard.

Listening to whistlers from near one's home town or on road trips can be very enjoyable and inspiring, but it is even more fun to travel abroad and check out whistler reception in other parts of the world. In late May of 1992, my father and I went on holiday to Ireland, enjoying a 12-day coach tour of the entire country. I brought my pocket-sized WR-3 whistler receiver, hoping to catch and record some "Irish whistlers." The first night happened to be at the Clare Inn not far from Dromoland Castle and Newmarket-on-Fergus. Surrounding this hotel was a beautiful golf course, small lake, meadows, and woodlands. There were only a few powerlines near the hotel and main road to Ennis, leaving much of the golf course and meadow land fairly free from excessive AC power hum, and therefore, good spots to listen for whistlers, as I tested out a few hours after we arrived bleary-eyed from an all night flight across the northern Atlantic.

In anticipation of hearing whistlers in this quiet and exotic location, I spent much of the pre-midnight period walking around with my Sony LW/MW/SW-FM radio, enjoying the Irish Radio Telefís Eireann (RTE) 1 & 2 radio networks, and the nighttime reception of British and European mediumwave (AM) stations, tape recording much of this reception with my trusty micro-cassette machine. At around midnight, after the BBC on longwave 198 from Droitwich signed-off after the maritime weather report and a cheery "good night," I flicked on my WR-3. Lo and behold, there were nice whistlers, albeit only occasionally, since it still was a bit "early" for the really good whistler shows, which like to start up after 4 am. Catching some sleep in the woods (the hotel was rather far-off at this point) I awoke around 3 am, turned on the WR-3 to hear more whistlers and there were LOTS of them, followed by weak "Auroral chorus" that rose up from the static at around 0400, and remained past my first Irish sunrise, when I drifted back to the hotel room to catch an hour or so of terribly-needed sleep!

That night would prove to be the only place our tour group would spend the night where there was open space the rest of the hotels we stayed in would be located in towns or deep within Dublin, and surrounded by hundreds of electrical lines with no access to large open spaces. I had to be happy with broadcast listening with the Sony, which was always very interesting, anyway. It sure was great to now have natural radio recordings from outside the West Coast.

While scientists and hobby whistler listeners have pretty much determined what regions of Earth are in "whistler country," it is never possible to predict where, at any given time or on any given day, whistlers will be heard loudly, weakly, or even at all. It's conceivable there are days where a whistler hardly occurs anywhere on the globe undeniably there are days and even weeks when not a single whistler is heard by listeners located in otherwise ideal whistler reception regions of Earth, such as Ireland and Europe, the northern tier of the U.S., southern Canada, New Zealand, and so forth.

Conversely, there are days when there seem to be whistlers happening nearly everywhere, as though a giant switch was turned on somewhere in Earth's magnetosphere to issue forth a barrage of weak and strong whistlers too frequent to count! Like weather fronts and hurricanes, it would appear that given a day when things are ripe for strong whistler production, the locations that strong whistlers are heard constantly changes, depending on the
the locations of lightning storms; the magnetospheric whistler duct beginnings and end points; and the day/night region of the globe particularly the midnight to 6 a.m. period which, as we all know, moves westward 15 degrees an hour.

Thanks to simultaneous whistler monitoring and tape recording efforts, first by 1950's and 60's whistler researchers such as Storey, Morgan, Helliwell, etc.; and later by coordinated amateur and student study groups, hundreds of individual whistlers have been documented. Their findings have determined that the average whistler is heard in an area of about 500 miles radius, though the "big whoppers" may be heard as far as 2000 to 3000 miles from its loudest "arrival point."

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We will continue with the final part of Steve's fascinating article next time. If you are on the web, you can find some great samples of recorded whistlers on Steve's web pages, at http://wwwhpw.physics.uiowa.edu/mcgreevy/ Among all kinds of information, Steve has placed a number of zipped sound files for you to download and hear. Check it out!

That's it for now, radio friends. Until next time,
73 es gud DX, de
George, N2OWO

===========================================================================

# UTILITY ROUNDUP #
[ editor: Ary Boender ary@bitbike.com 2:283/512.24 ]

Info wanted
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A yet unknown system can be heard in Europe on 131.7, 133.2, 144.6, 146.4 kHz and between 132.27-132.88 kHz. Two stations operate on each frequency. The transmissions sound like the Hyper-Fix stations (sample on our home page) but it is definitely no Hyper-Fix. One of the rumoured possibilities is DTRAK, a tracking system for trucks with stations in the UK. I can hear a couple of these stations very loud here in the Netherlands, so there may be other stations in Western Europe as well. Any info on this subject is most welcome.

Radio navigation signals...
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yet another update. Van" Lehtoranta sent me comments with regard to items in the original series (newsletter 1/11, 1/12, 2/1, 2/2).
1) a new DGPS station became operational in Turku (Finland) on 21h6h96 transmitting in 100bd MSK.
2) RSBN was erroneously listed as satellite system. It is a terrestrial UHF system resembling TACAN.
3) There is currently no MARSH-75 chain in the Gulf of Finland.

CHESS
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A couple of months ago I reported a new Over-The-Horizon (OTH) system by Sanders, a Lockheed Martin company. Sanders' Larry L.Ledlow jr told me that Sanders recently developed an even more sophisticated OTH system called CHESS. So, what is it and how does it work?

High frequency (HF) communication has been generally associated with low data rates, due to bandwidth constraints, and unreliable performance for long range communications because of the time-varying nature of the communications channel. Fortunately, with the advent of digital signal processing (DSP) and innovative system design, many HF deficiencies can be corrected. Sanders has developed a new technology to satisfy increasingly demanding OTH communications requirements: the Correlated Hopping Enhanced Spread Spectrum (CHESS) high-speed data radio.

Many tactical communications beyond normal radio line-of-sight distances are relayed via satellite or aircraft. These options are both expensive.
Also, satellite access and bandwidth may be limited, and weather can severely constrain aircraft operations. HF links however are available virtually around the clock while there are no high usage costs. Signals are propagating along the earth's surface or via skywaves. The problem however is the plague of every dxer, namely interference/noise and bad propagation conditions. They can be extremely variable and difficult to predict.

OTH via HF therefore presents unique challenges. What you need is a system with modulation tolerant of widely varying noise and interference levels, one that will not interfere with existing HF users, and also does not require an impracticable, high signal-to-noise ratio (SNR). High SNR is undesirable when communications must remain covert or have low probability of intercept. Contrary to skywaves, a signal transmitted via surface wave does not suffer from selective fading and other distortions. Co-channel interference can prove problematic though.

Spread spectrum (SP) in general offers several advantages over conventional modulation techniques. First, both direct sequence (DS) and freq. hopped (FH) techniques afford some protection against unwanted detection and jamming. Second, SP has its advantages against frequency selective fading. Adaptive FH systems can adjust to changing band conditions by selecting frequencies with least interference. That's where CHESS comes in. CHESS's power lies in DSP for waveform generation, detection, and correlation as well as data encoding. A digital HF (2-30 MHz) receiver provides downconversion of a selected 2 MHz-wide band segment. A multi-processor DSP board performs signal detection, correlation, and waveform generation. Data may be sent and received through an asynchronous RS-232C serial link. CHESS transmits 5000 non-overlapping hops per second. Each hop consists of an unmodulated pulse at a specific frequency.

As said, HF propagation may be a nuisance. To improve the performance, CHESS uses Automatic Link Optimization (ALO). This system picks the best possible frequencies during the sounding process between two transceivers. Each transceiver may use a different frequency set within the band because of local variations of interference levels. Communications via surface wave were succesfully tested over a distance of 150 km with only 200W output. The baudrate for line-of-sight ground wave transmissions was 9600 bps and went even up to 14.4 and 28.8 kbps for short range transmissions. Skywave transmissions were tested at 4800 and 9600 bps.

That's all I have for you at the moment. CU next month. -Ary-

Greetings and welcome to another edition of WORLD BANDSCAN. Due to the tremendous support of everyone we have a bigger (and better) column than ever this month. Contributors for this month include Day Watson, Henk Lammertink, Ary Boender, Bert van Rij, Mike Chace, Guy Denman and Rick Baker. Thanks to everyone who took the time to inundate me with their loggings!

EATING CROW DEPT: A BIG apology to Alex Wellner of Australia for omitting his contributions from the June edition of WORLD BANDSCAN. Alex made the mistake of being TOO efficient and sending me the stuff early. Needless to say, this resulted in me losing the loggings. So Alex keep contributing and I promise to NEVER let efficiency stop me again! Here's the missing logs:

7706.0 Unid Philippines net  JUL96
7725.0 Spanish number stn 4 groups by YL  SEP95
7735.0 Australian commercial users  JUN95
7737.5 Unid Philippineese net  SEP95
7740.0 Unid island phone net  AUG95
7745.0 Unid Philippineese net  SEP95
And make sure to check out Alex's 7800 loggings below...you'll recognize them...not many of the others of us hear the Philippines nets!!!

UPDATE: From Ary Boender comes a comment on the June edition of WORLD BANDSCAN and specifically the PBB KOOTWIJK, NETHERLANDS station noted on 7773.0. To quote Ary, "PBB is Navy Den Helder. I doubt if there still are transmitting facilities in Kootwijk. I spent several holidays near Kootwijk when I was a kid and as far as I know the last antenna was dismantled some 20 years ago. There is now a radio museum in Kootwijk. I'll check if there is a new site in that area. Kootwijk was used by the Dutch PTT for comms with former colony Indonesia till the late 60's....about PBB the transmitters are located between Den Helder and Julianadorp, about 5 km from Den Helder, not in Kootwijk. CFL and ITU apparently use obsolete info."

Much thanks Ary, with all the great help and great contributions, we are bound to clear up many of these 'mysteries' of the shortwave spectrum. On with 7800h7899. Keep in mind that the next column (in 2 months) will deal with the 7900-7999 Khz spectrum. Enjoy.

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The WUN Logs Column

Rick "RD" Baker, editor: 1352 Cavalcade Dr., Austintown, Ohio 44515-3844 USA
e-mail: utelistener@msn.com or ae411@yfn.ysu.edu
Co-edited by TEAM LOGS:
Andy Brill from Auckland New Zealand (abrill@iprolink.co.nz); Roland Proesch, from Kiel, Germany (Roland.Proesch@kiel.netsurf.de) and Stan Scalsky from Leonardtown, Md, USA (sscalsk@atc.ameritel.net)

Howdy gang, still no positive ID/proper callsign was received for the USN/USAF FAX facility at Roosevelt Roads/Caribbean. I noted last month that this station, which uses Homestead AFB's old frequencies for the most part, has been logged as NAU (listed as San Juan); NHF (listed as Homestead, Fla); NRR (listed as Roosevelt Roads); and USAF AWS Ceiba, PR. We know it's not at Homestead AFB. I'm not aware of any USAF transmitters on Puerto Rico...is anyone else? This may narrow it down...

We did only slightly better on question #2 concerning the move of NAM, the U.S. Navy at Norfolk, to Cutler, Maine. The move was confirmed...the data is being sent from Cutler, Maine. But if "NAA" or "NAM" is the proper callsign we have no news. The material being sent is still marked "NAM" at times, but that's not a proof positive indication. Perhaps someone sending a QSL soon will find out?

No ID's for Navy MARS calls NNN0COT (not the decommissioned USS Fairfax County), NNN0CAA, NNN0CAT, NNN0NGU, NNN0COZ (not the decommissioned USS Forrestal), NNN0CBB, NNN0COT and NNN0CCL. Can anyone help?

We did better on an inquiry I made concerning 'D4B'. This station has been seen logged in about 5 variations of name. The vast majority out in WUNland agree...the ITU shows them as 'Sal'. Sal is the name of an island of the Cape Verde Islands group. Sal is about 10x20 miles in size and is not the main island of the group. Sal has about 7700 inhabitants in mainly 3 locations: Palmeira, Pedra Lume and Santa Maria. On Sal there also is the international airport of the Cape Verdes: GVAC, 'Amilcar Cabral' International/Sal I. The Oceanic ACC (GVSC) is named as 'Sal' in international ICAO listings and identifies as 'Sal' on the airwaves accordingly. 'Amilcar Cabral' is not the name of a location but of just an airport. An example would be like saying 'John F. Kennedy Int'l' New York, vs New York Radio. So, the correct name seems to be "Sal Aero, Sal Island, Cape Verdes Isl". Thanks to all who took time to respond on that one. From time to time I will try to list stations that carry multiple ID's so we can get a proper ID on them.

What started out as a lean month turned into a pretty good one with logs from the Netherlands; Scotland, Ireland and England in the UK; New Zealand; Australia; Germany; Canada; Eastern Europe; Norway; Greece; Mauritius; South Africa; France and the United States. Not bad coverage, eh? I don't think I left anyone out! How about you folks in South America and elsewhere?

Remember, I will not use your name if you don't wish it and even your local everyday logs are welcome as for someone else it's rare Dx! Thanks to all who took time to share their logs.

=CIVIL AERO=

Pagina 682
WUN-v02

SFO/COPPI F360 fuel 58.0. New Zealand 5 0602 USB QJ-EL wkg SFO/ARP & selcal check. (TO)

5598

CHANNEL AIR 731 0159 USB NY pos rep 47N 69W req pp w/dispatch chg to 6640. BRITANIA 171B 0208 USB wkg NY pos rep 52N 60W selcal JR-A? ASCOT 320: 0215 USB wkg posn 40W 16.43N f310 selcal LM-BK. Selcal watch on 6628 wkg Santa Maria (CH) ASCOT 2888: 0009 USB w/flight info to Gander (JS3) Reach 1100 0357 USB w/NY, 57.1 Fuel Rem. Pos. Rpt. FL/310 Selcal BD-JL. Iberia 6250 0401 USB wkg Shanwick, posn rpt. Corsair 927 0403 USB wkg Shanwick, & selcal check. (TO)

5598 CHANNEL AIR 731 0159 USB NY pos rep 47N 69W req pp w/dispatch chg to 6640. BRITANIA 171B 0208 USB wkg NY pos rep 52N 60W selcal JR-A? ASCOT 320: 0215 USB wkg posn 40W 16.43N f310 selcal LM-BK. Selcal watch on 6628 wkg Santa Maria (CH) ASCOT 2888: 0009 USB w/flight info to Gander (JS3) Reach 1100 0357 USB w/NY, 57.1 Fuel Rem. Pos. Rpt. FL/310 Selcal BD-JL. Iberia 6250 0401 USB wkg Shanwick, posn rpt. Corsair 927 0403 USB wkg Shanwick, & selcal check. (TO)

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Leisure 602 0400 USB wkg Portishead LDCC/pp to Ops, ETA late 0730. (TO)


Air Cargo 341: 1322 w/Perth their only a/c is VH-TBS 727h77F (JSM) Qantas 160 1009 USB wkg Perth/req F350 SGNhSYD 767h300ER. (TO)

Qantas 100 2052 USB selcal GKEM. Qantas 100 2052 USB ... 2049 F390, Timal 2138 > 127.0 (Melbourne) at Timal. Cathay Pacific 107 2037 USB pporl 490, 2036 USB req. climb. F300 not available due crossing traffic, later descending F310. New Zealand 32 2038 USB New Zealand 2102 USB kamik 2132. Air Cal 140 2058 USB. Singapore 288 2100 USB opogo 2056 F310, popol 2127. At popol contact Auckland, later discussion between Brisbane and Auckland aby popol estimate. Auckland "heasurable" only. Korean Air 663 2101 USB contact Nadi on this freq. New Zealand 101 2104 USB (BH) Cathayh107 2120 USB Wkg Brisbane (IB) Solomon 711: 0712 USB w/Nandi @175mi DME fm Port Vila a/c type? Ansett 874: 0644 USB w/Nandi Ø Brisbane FIR boundary "CG-BK" VH-EWD Fokker F-28. Freedom Air 712: 1254 USB w/Auckland approaching the Hokiitaka NDB 42-44S/170-57E for Christchurch landing visib down to 600' in fog/rain, prob N371TA their 737-300. Royal Tonga 193: 1256 USB w/Auckland"MOMTA" (30-00S/179-43.5E) for Tonga.;.34mach is this their BAE 748? Air Van 32: 1328 USB w/Nandi "ENOUS" (14-00S/162-11.5E) "EP-DR" VH-TJ1 737-400 MEL-VLI. Fine Air 57FB: 0255 USB w/Houston on the grnd Miami with r/c "CD-DF"N57FB DC8-54F (JSM) Pacific 431 0618 USB wkg Nadi/ARP F350. (TO)

WUNv02

2248 USB w/flight info to Tripoli. AF 493: 2249 USB w/flight info to Khartoum (JS3) Cairo, EGY: (AFR-3 MWARA) 0225 USB wkg KLM 567 reporting SMA. Khartoum: Sudan (AFM-3 MWARA) 0236 USB wkg Air ...2 227 w/posn. (RB) MAU051 2130 USB Cairo, Addis/LEPG-Mauritius DEDLi 2254 F330. BAW62 2125 USB Cairo/ARP ALEBA 2116 F350 UMNJ 2141 LXR 2148. KOA104 2121 USB Khart'm/ARP SML 2333 F310. BAW68 2120 USB Khart'm/ARP EPMX 2117 F310 AVON 2137 KNA next. (RD3)

5685 Speedbird 62: 1847 USB w/flight info to Mogadishu (JS3)

5653 FIR: Dakar Rdo, SEN 0620 USB (SAT-1 MWARA), wkg Varig 742 w/posrep, FL370; at 0623 wkg Speedbird 247 w/posrep at FL330 fol by Air France 242. (RB) VARIG 739 0039 USB AM-FP wkg Dakar/ARP ECHAD 36 F330 BIMOG ZRT 82. VARIG 765 0106 USB GM-AE wkg Dakar/Selcal check. (TO)

5656 Air China 175: 1538 USB w/Ujung @ ZAM (Zamboanga VOR) "HK-BD" 8 2446 747-200 (JSM) Singapore 224 1032 USB wkg Perth/Osy w/Jakarta CTR 134. Indonesia 879 1035 USB wkg Perth/primary 6556/secondary 5733. Qantas 9 1036 USB wkg Perth/pls Osy w/Jakarta CTR 128.3. Speedbird 012 1040 USB wkg Perth/Selcal checked but too weak. Darwin Radio 1042 USB wkg UNID a/c. (TO)

5677 Air Foyle 22 2240 USB Wkg New York (IB) American 1035 1406 USB w/posn Perth w/airport TNMC maintain F/L 330 backup on 8846. USAir 1628 1421 USB wkg Switch to 1196. Air France 6408 0418 USB w/posn NY. Canadair 100 0423 USB w/posn NY. Air France 0425 USB w/posn NY FL 330. United 979 0425 USB NY/F L 330 at 0441 w/posn NY. American 9090453 USB w/posn NY, 909 copied something about frequencies 6649 and 8918 (Couldn't make out any more). (LB2) New York: (CAR-A MWARA) 0733 USB wkg KLM 774 reporting level 330; at 0734 United 976 reporting CRAFT 0731, FL390, est HOMA 0834, CHAMP next, fuel 41.1, temp -57, wind 090/30; at 0806 wkg United 188, CRAFT 0805 FL370, selcal CFhAL (RB) 0805. DOA262 2349 USB AFhDE wkg NY/Selcal check. Air Europa 134 2212 USB JR-AG wkg NY/ARP F310 767 EC-276. (TO)

5686 New York: (NAT-B MWARA) 1301 USB wkg American 2040 w/posn DANER 1258 FL310, est BERGH 1227, PACOS? next. (RB) AAL56 2345 USB NY/APR LOUIZ 2350 F290 JESSE 0007 (RD3) TWA 154 1425 USB wkg NY Radio adv if he didn't get the requested deviation he would exercise Captain's Emergency Authority to do so. AMERICAN 675 quickly chimed in that they would as well as there was a line of wx 150 miles long around 100 miles North of KOPEK that they were getting moderate turbulence from. At 1435 TWA 154 radioed in that they were descending from FL 370 to 230 & turning right due to they had just lost their right engine. NY asked them if they were declaring an emergency, 154 said not at this time...NY told them to not descend below 2600 due to an 'Air Carriers Operating Area'. An obviously upset crew couldn't understand NY finally 1438 154 reports that they have restarted the engine and are level at 310. Asks for a pp to Maintenance at JFK. NY switches them to 6640. Air Transport 611 1212 USB DL-JK wkg NY/APR NANCE F330 LETON-TOOMS. Continental 701 2112 USB DK-GL wkg NY/Selcal check N79746 727-200. LTU 909 2118 USB EJ-CP wkg NY/Selcal check. Cubana 485 2149 USB wkg NY/ent MYX, -Varadero ODEAL F370. AmTran 8721 2149 USB HK-AM wkg NY/Selcal check. Air France 031 2154 USB EK-GJ wkg NY/Selcal check. Sobelair 1892 2103 USB EH-LR wkg NY/Selcal check 767-300ER 00-STF. Air Europa 148 2128 USB FM-LQ wkg NY/APR F330 est GRANN 2150. Speedbird 294 2129 USB AM-CL wkg NY/APR NUCAR F330. Condor 189 2218 USB DF-LQ wkg NY/APR inbound NUCAR F330. Iberia 6170 2219 USB AG-BC wkg NY/dep MIA 2144 ETA MAD 0545. Air France 031 2224 USB FL-DK wkg NY/APR F270 LOUIZ 2222. American 698 2229 USB LP-KQ wkg NY/Selcal ck 757 N647AM. (TO)

6004 NY Volmet 0318 USB (LB2) WSV70: New York VOLMET USB NY Aviation wx H+00 & +30 (RT2)


6028 Reach 7P3 2124 USB Santa Maria direct 30n 22w 2222. Reach 7P3 2221 Pagina 687
USB 30n 22w 2219 f1370, 25n 19w 2305, ambit (?) 2339, Canarias ->
WUNhv02 126.5/119.3 no selcal. Reach Z1 2138 USB Santa Maria clearance: comut (??) - 38n 20w - 39n 30w - 39n 40w - 38n 50w - 38n 60w - flann (??)
f1350 mach .83 (BH) KLM 772 wkg NY, 0341 USB FL/310 posn. Temp. -38
Reich Z1 2138 USB wkg SM/AR F330 DIRMA 2225.
Amerijet 219 2150 USB wkg SM/AR 38N32w F350 QSY SM CTR 127.9.
USB 2307 USB wkg SM/AR 3022n30w 2307 F090 27N2125W 0100 24N2025w
Amerijet 2308 USB wkg Santa Maria re: N9276J. Air France 531 2312 USB E3-BM wkg SM/AR
Santa Maria re: 38N25W F350 QSY SM CTR 127.9.
USB 2307 USB wkg SM/AR 3022n30w 2307 F090 27N2125W 0100 24N2025w
reg. Next. repeated three times. Canarias Radio 2308 USB wkg Wkg
Santa Maria re: N9276J. Air France 531 2312 USB E3-BM wkg SM/AR
37N40W F330. (TO)

6637 0450 USB w/Miami 13m out of Milwaukee for Dayton
"GK-DF" N853FT 747-100F. Air Mike 903c: 0540 USB w/Houston 22-50N/177-54E enrt Hono-Guam "GH-AC" N12064 DC10-30 good ol' Houston boys
just about fell out of their rocking chairs when they snagged this
one! Connie 707: 0624 USB w/Miami over Northern Chile for LAX N707CK
747-200F. Connie 809: 0409 USB w/Miami over Venezuela N809CK DC8-55F.
(39M) American 2130 0333 USB wkg Houston Radio QSY 10075. Cedar
Rapids 0220 USB c1g Connie 840 no joy. Gulf Stream XAMIC 0206 USB wkg
Houston Radio qsy 10075. (Kw2) Rich 230 0458 USB wkg Miami LDOC/400
mis. W of SFO req pp to Ops. Aerolineas 494 0421 USB LM-AB wkg Miami
LDOC/Dept rpt in SP, weak copy. Big A 703 0424 USB KM-CL wkg Miami
LDOC/Selcal check just N of CAE. Polar 9504 0429 USB GK-DW wkg Miami
LDOC/Dept. Manaus 0425 to MIA. Amerijet 723 0438 USB HK-DJ wkg Miami
LDOC/selcal check. Fine Air 508 0443 USB JK-DW wkg Miami LDOC/selcal
check. Transcolombia 4100/0500 USB JK-LM wkg Miami/Dept. BOG/0405/30
volcano on left-hand side inbound F200+/advise of any volcanic
activity on normal route out Rotorua on VHF 131.9 when in range. (TO)

6640 CHANNEL AIR 731 0115 USB NY pp w/dispatch. One flight attendant is
intoxicated. Dispatch instructed them to keep her away from
passengers & restrain her if she got unruly. She was asleeep at that
time. USAIR 14 0125 USB Selcal check w/ NY. BF-KP (CH) United
979 reporting what sounded like problems on plane. 979 terminated the
patch at 4:46. (LB2) Navy AT450: 0515 USB wkg New York Arinc w/pp to
"WO" (Watch Officer) adv is RTB at this time & passes ETA, a/c had
been deployed re TWA F1t 800 crash. 4xx Navy nose numbers can be
either SH-3G/H's or F/A-18's, suspect this was the helo, but "AT"? (RB)
TWA 154 1444 USB re pp to Maintenance at JFK...Captain gets on
& tells them that the 5th engine had stall had 5 or 6 engine failures
& was restarted now & everyone agreed that
they would continue on to Santo Domingo. AA 675 then made a patch to
their ops on 6640 also telling them that they had exercised Captains
Emergency Authority to deviate 40 miles west of their course. (TB)
Delta 70 2252 USB EQ-AF wkg NY ARINC/Selcal check. United 906 2254
USB AQ-BJ wkg NY ARINC/Selcal check on the ramp EWR. American 24 2255
USB JK-EF wkg NY ARINC/Selcal check on the ramp at ORD. United 928
2258 USB AG-ER wkg NY ARINC/Selcal check airborne ORD-LHR. (TO)

6643 Corsair 926 0411 USB wkg Berne LDOC/Pp to Flight Ops-ETA ORY. Korean
Air 916 2300 USB KR-CP wkg Berne LDOC/F330 dept rpt from FCO. (TO)

6649 LAN Chile 169 0353 USB AB-PR wkg Lima and Panama/ARP F370 767 CC-CEU.
Argentina 1382 0358 USB AD-FP wkg Panama/ARL/ELS F350. (TO)

6673 San Francisco: (CEP-5 MWARA) 0144 USB wkg unid F1t 933 w/ATC
advisory, stand-by for higher. (RB)

6676 Sydney Volmet: AUS (SEA-VOL) 0604 USB w/aviation wx. (RB)
8825 Santa Maria: AZR, (NAT-E MWARA) 0032 USB wkg Liberte 852 wposrep
CRAFT 0031 FL350, est 26N/30W 0145, selcal ck AL-HJ (DC-10 reg
F-GPVb). New York: (NAT-E MWARA) 0033 USB wkg Britannia 170B w/0030
posrep, FL370, est 18N/54W 0059, selcal ck CD-JM (767 reg. G-BYAA);
at 0044 wkg Corsair 926 w/selcal ck CE-FL (DC10-30 reg F-GSUN); at
0100 wkg Air France 521 w/posrep 18N/60W 0058 FL310, est 22N/50W.
New York: (NAT-E MWARA) 0034 USB ck KM-BF (747 reg F-BTDH); at 0102
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WUNhv02


Hong Kong 0807 USB w/Volmet weather, also 0810 Tokyo also Volmet (AW)


Hong Kong 1030 USB wkg Qantas 347, Posrep (AW)


AF 2354 0250 USB SAL/Req.wx for SAL ETA 2253 ONOBI 2115 F330 (RD3) Air France 6807 2314 USB EJ-BF wkg Dakar/ARP KODOS F370 B747F F-GBPVV. Springbrook 9201 0019 USB wkg Roberts/ARP est DEMAR 0046 reg. ZS-SAX. Air France 215 0022 USB AF-CR wkg Recife/ARP NANIK F370. (TO)

Reach 800 2009 USB Shanwick cleared to Lajes via: sever (??) - 45n 20w - 40n 25w - alano F1370 mach .79. Selcal LREJ (a/c type?) ->

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Qantas 7554 0540 USB wkg Brisbane/ARP F310 relay to
Emery Ops. Aussie 421 0545 USB wkg Auckland/ARP F350 15 mis. L of
track. Qantas 142 0548 USB wkg Brisbane/ARP MER04 F410 Lord Howe
0637. New Zealand 54 0441 USB wkg AKL/ARP F330 .84 req F370. Freedom
712 0457 USB wkg AKL/Confirm freq for AKL CTR: 128.1. Ansett 875 0500
USB wkg AKL/122 DME from Norfolk Island VOR at F250, negative selcal
listed as BAE 146. Ansett 870 0503 USB wkg Nadi/at F240, cleared to
F310. VH-SVN 7407 USB wkg BNE/receiving Lord Howe acr wx rpt PA31
of Kentialink Airlines. Ansett 875 0509 USB wkg AKL/leaving F250 for
descent into Norfolk. Singapore 286 0513 USB wkg BNE/ARP POOP V350
squawk 2355 and QSY BNE CTR. United 816 0514 USB AS-EF wkg Nadi/ARP
25S167W F330. Ansett 870 0518 USB wkg BNE/ARP VELDI F310. New Zealand
79 0519 USB wkg BNE/req F370 and QSY Moresby CTR. Qantas 91 0521 USB
DK-EJ wkg BNE/Selcal check. Singapore 7298 0521 USB EQ-DR wkg BNE,
Selcal check. Pacific 913 0530 USB wkg Nadi/ARP DUBEV F330 NIVIT
next. Qantas 25 0531 USB wkg HNL/ARP F370 BANYA?. Qantas 26 0531
USB EG-FK wkg HNL/ARP F350. VH-SVN 0536 USB wkg BNE/reporting ETA
Lord Howe 51. Air Van 31 0544 USB EP-DR wkg BNE/ARP F310 737-400
VH-TJ1. Qantas 11 0548 USB wkg AKL/ARP 33S165E F370 .84 33S170W
0625. Argentina 1880 0434 USB wkg AKL/ARP 170W F390 175W 0510 CI
next. Qantas 12 0502 USB wkg AKL/ARP ISROB F390 AKMEV 33 .85. LAN
Chile 5133 0503 USB wkg Pascua/ARP F370 pos. unreadable in SP.
Qantas 25 0511 USB EG-FK wkg HNL/ARP NIXAM F370 .85. Argentina 1880
0515 USB wkg AKL/ARP #2 175W F390 CI 0534 told to QSY Air New Zealand
Dispatch on 6637 now. New Zealand 10 0526 USB wkg HNL/ARP DOGY 25
F370 .80. Qantas 7554 0536 USB wkg BNE/ARP F310 squawk 2333 fuel
92.2. LAN Chile 5133 0538 USB wkg Tahiti/ARP #2 Mataveri to Tahiti
F370 now maintaining block alt F350-F390 est SAPOK 0623. Qantas 3
0542 USB DL-BM wkg HNL/ARP NUMBY 40 F370 SAMME 0641. Polar Tiger 81
0558 USB wkg BNE/ARP then at 0622 req's F350. Qantas 142 0602 USB
QC-CE wkg BNE/ARP est Lord Howe 0630 F350 .85. LAN Chile 5133 0626
USB wkg Tahiti/ARP #3 est SUNTA 0708 F350. (TO)

WUN-hv02
5598/8906 (BH) Royh452: 1331 USB wkg Shanwick. FL290. Air Club413:
1207 USB wkg Shanwick Aero. FL260. UPSET-66: 1212 USB wkg Shanwick
Aero. Olive-64 1733 USB wkg Gander w/ radio check. Steel-82 1719 USB
Wkg Gander FL350 53N/30W (1B)

8867
Qantas 7554 0609 USB wkg Shanwick. FL350 not available (BH) Air Cal 414:
1207 USB wkg Shanwick Aero. FL260. UPSETh66: 1212 USB wkg Shanwick
Aero. Oliveh64 1733 USB wkg Gander w/ radio check. Steelh82 1719 USB
Wkg Gander FL350 53N/30W (1B)

8879
(TO)

8891
ASCOT 2891: 1409 USB w/Baffin @ 64N/90W "CF-AB" XV103 VC-10 (JSM)

A2Z72600010 USB Niamey/IKTAV/0007 DJA 0021 TARAT 0034 NAGAR 0049 F350.
B767. AZA847 0005 USB Algiers,Niamey/ARP EREBO 2359 F370 TMS 0029
HOGAR Req. selcal chk/JSCG GOITF B767. KLM586 0005 USB Algiers/ARP
ERKEL 2359 F310r350 MELOG 0017 ATATA-0035 BOD 0051. AIN854 0010 USB
Algiers/MELOG-ERKEL 0024 EDAGO next. AZA672 0007 USB Algiers/Faint
rx. F310 req.selcal EKLM IDEM E747. BAW57 0009 USB Algiers/ARP IKTAV
0009 F330 ENDOK 0021 DIR 0040. SAA221 0013 USB Algiers/ARP EREBO 0012
F330 TMS 0054. SWR265 0032 USB Algiers/ARP F330 PSL 0121 sel/AGEQ
HBIWK MD11. SAB542 0035 USB Niamey/Lagos-Brussels via TMS F330 BOD
0046 (RD3) DSR 407 2124 USB wkg Niamey/ARP to LAG AMTES 2117 F350.
Springbok 223 0339 USB wkg Algiers/cleared to F390 report reaching.
KLM 586 0010 USB AF-HR wkg Algiers/ARP Kano-AMS F350 ERKEL 0017.
Air Gabon 610 0011 USB wkg Algiers/ARP ERKEL 0010 F290. Zimbabwe 726
0012 USB wkg Algiers/ARP IKTAV 0012 F350 DJA 0026. Argentina 1163
0015 USB wkg Algiers/ARP TIN 2343 F280 UDELA 0029. Air France 7235
2347 USB QQ-BM wkg Algiers/ARP est NSL at 0035 A310 F-GENM. DSR 401
0033 USB CF-GM wkg Niamey/ARP LGW-Kano F370 ERKEL 35 ETA Kano 0148
B707 reg. 5N-MXX. Just a few minutes later requested F290 due to
cabin pressurization problems! (TO)

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8903
EGO-301: 2106 USB wkg Kinshasa Aero. FL330. (IB) MEA9664 2124 USB
N'djamena/ARP ARBEG 2122 F350 ETSAM 2137 FL 2204 KELOK 2207 dep.BEIRUT
1752 ETA ABIDJAN 0045 a/c/AD-AHF sel/EGFL. MEA9664 2127 USB
N'djamena/ARP/ARBEG 2126 F350 ETSAM 2141. SVA6879 2135 USB N'djamena,
JEDDAH-N'DJAMENA via GNA 2227 ARBEG 2237 F310 ETSAM 2235 KIRBO 2310 FL
2324 req.NDJ wx/Ft/t also req.info on VIP FtoF reply was that a/c was
still on the ground at N'djamena!?! KLM594 2135 USB N'djamena/FAJS-EHAM
via BT 2134 F350 UMOSA 2203 B747 reg'n PH-BFR sel/CGKS. (RD3) World
501 0113 USB GH-BS wkg Brazza/ARP Brazzaville FIR 0109 F350 Meridian
0159 ETA Dakar 0505. SHB 901 0257 USB wkg Brazza/ARP Ostende-Kinshasa
330 est BT 0511 reg. EL-ALQ. Saudia 6876 0258 USB wkg Clg N'Djamena
here no joy. Speedbird 065 2317 USB wkg NJD/giving reg. G-BNLK
Cameroun 072 2322 USB wkg Kano/ARP Douala-LGW dept. 2312 at F180.
Lufthansa 575 2327 USB wkg NJD/ARP ILDOR F350 FLU at 2352. Springbok
234 2327 USB wkg Brazza/ARP CF 27 VONTI 47 BT next. Zimbabwe 724 2335
USB wkg Brazza/ARP MPK 33 F350 BOSSA 2351 RULDO. Swissair 287 2335
USB wkg NJD/ARP FLU 2333 F350 ILDOR. KLM 594 2345 USB wkg Niamey/ARP
801 2352 USB wkg NJD/ARP DELIS 25 ENBUT next. Cameroun 072 2352 USB wkg
Kano/ARP DoualahLGW dept. 2312 at F180. Lufthansa 575 2327 USB wkg NJD/ARP
ILDOR F350 FLU at 2352. Springbok
234 2327 USB wkg Brazza/ARP CF 27 VONTI 47 BT next. Zimbabwe 724 2335
USB wkg Brazza/ARP MPK 33 F350 BOSSA 2351 RULDO. Swissair 287 2335
USB wkg NJD/ARP FLU 2333 F350 ILDOR. KLM 594 2345 USB wkg Niamey/ARP
IKTAV 45 F390 DUN at 2358. KLM 593 0015 USB wkg Brazza/ARP TNJ F370
MOTET KOGAN. (TO)

8906
Dominicana-362 1703 USB wkg Shawnick 45N/10W (IB) Elite 506 1020 USB
BS-AF wkg NY/Selcal check. AmTrans 8033 2046 USB FK-BC wkg NY/Selcal
check. Cargolux 776 2049 USB CS-KM wkg NY/ARP 40NSW F350 dest MIA.
Iberia 6151 2054 USB DJ-RS wkg NY/ARP 37NFW F370. Delta 32 2123 USB
FL-AQ wkg NY/Selcal check on the ramp at ATL. Air Europe 767 0155 USB
KR-JM wkg NY/Selcal check. Air Europe 724 1957 USB CS-HQ wkg NY,
Selcal check. Delta 146 2041 USB FL-AQ wkg NY/Selcal check. Iberia
6143 2034 USB DJ-AR wkg NY/Selcal check. DELCO 2110 USB BL-MW wkg
SM/req oceanic clr at F310 .80. Lufthansa 463 2125 USB CG-AE wkg
NY/ARP 32N60W F330. LTU 401 2305 USB EJ-CF wkg NY/Selcal check QSY to 6586
primary. (TO)

8921
Qantas 25: 1140USB wkg unid station SECAL "DQ-FM". (KW2)

8924
424 2340 USB wkg unid re coordination of medical requirements upon
landing (2 NY area codes/numbers given). (KW2)

8930
KLM 981 0911 USB Stockholm (N506MC B-747 Atlas, on KLM flight) relay
to ops at JFK: departed Amsterdam 0838/55 eta Dubai 1520, take-off
fuel 101.4, fuel uplift 28992 US gallons, payload 85581, selcal AGEL.
Cargolux GCV 2214 USB Stockholm (B747 Cargolux) posn Calcutta India
> 11345 -> 5541 (unreadable for me), pp ops (BH) NWA45 1045 USB
Stockholm/Radio & selcal chk/FMG N2111NW DC10 (RD3) World MAW 0410
USB EG-AB wkg Stockholm LDOC/dept KEWR dest. EGAA. Tower 31 0414 USB
wkg Stockholm LDOC/accepts PRD @ 0415. Laker 502 0445 USB wkg
Stockholm LDOC/o/h BANAB 0443 pp to Ops. GBN 505 2311 USB wkg
Stockholm LDOC/posn Mediterranean, req freq for Tripoli Airport!!!.
Tower 302 2237 USB wkg Stockholm LDOC/arr comp. ops ment. of Belfast.
Sabena 527 2350 USB Stockholm LDOC/ARR JAVES-120 dest. FRA 0400.
Air France 179 2353 USB wkg Stockholm/pp to Munit CDG: ETA 0545 prob
w/acceleration in climb & pax connex. World 1209 2357 USB wkg
Stockholm/Rerelease msg to KSEA. (TO)

8933
AN010: 1143USB wkg NJD Radio pp request. Cedar Rapids 1054 USB clg
United 993 no joy. United 982: 0149 USB wkg Cedar Rapids advised
SECAL is "FQ-CM"--secondary freq 6637. (KW2) Cedar Rapids: LDOC, Ia
(NA-CC-LDOC) 0021 USB wkg United 990 w/selcal ck AG-CS (767 N644UA);
at 0302 wkg United 997 flying Miami to Santiago w/selcal ck AG-E5
(767 N648UA). (RB) Richair 103 2220 USB HR-MQ wkg NY ARINC/Selcal
check. (TO)

8942
UPS 6814 1410 USB w/singapore @ "MEVAS" (03-55.7N/105.98E) "CJ-DBQ" 
N8120UP DC8-73CF. UPS 6814 1547 USB w/singapore @ "MEVAS" "CJ-DBQ" 
N811UP DC8-73F. (JSM)

10027
Praha LDOC 2047 USB wkg UNID CSA flt in Czech w/ID. (TO)

10033
Fine Air 30 2143 USB w/Miami 4 mins out of Santo Domingo for Miami
N30UA DC8-61. Connie 61M: 2347 USB w/Miami on the ground at San
Salvador dep't for Miami at 2400Z N6161M DC8-55F. Connie 801: 0017
USB w/Miami just dep't Managua for Miami N801CK DC8-55F (JSM)
Miami: Connie Op's LDOC, Miami, FL 0238 USB wkg unid flt 943 w/selcal
Pagina 691
ck HK-DL (unk). (RB)

10051 WSY70: New York Volmet 1505 USB Aviation wx H+0030. (RT2)
10057 San Francisco: (CEP-5 MWARA) 2205 USB wkg Northwest 72 after QSY from lower frequency w/selcal ck. (RB)
10072 Sydney skycom 0545 USB wkg "Echo 143" enrt Norfolk Island (AW)
10075 American 2189 0034 USB wkg Houston Radio Selcal ck ??AF. Gulf Stream XAMIC 0207 USB wkg Houston Radio enrt from San Antonio to Gander. Houston Radio 1456 USB wkg unid a/c flying over South Dakota -- radio advised to contact them on 13330. (Kw2) AmTran 8206 1917 USB wkg Houston LODC/pp to AmTran Maintenance. (TO)
10790 Stockholm Radio 0924 USB wkg. REACHhEHF6, circling ovhd. Ramstein due to denied permission to land at Ramstein at this time on Sundays. (ANEU)
11309 New York: (NAT-E MWARA) 1642 USB wkg Frenchline 427 w/ATC clearance to TFFF. (RB)
11330 USAir 1441 1401 USB NY radio, keep trying Miami on 2989 and try 132.3 from 200 miles out. Otis Air 111406 USB NY radio, contact Miami on 132.3. (L82) REACH 401 1506 USB DK-FH wkg NY/ARP F330 JAINS est 1508. Air Europe 738 1850 USB KR-JM wkg NY/ARP est RIGNY 1916 GRATX 1946. American 63 1917 USB JK-RS wkg NY/ARP PRISS F370. USAir 1041 1919 USB HR-JQ wkg NY/selcal check St. CroixhKBWI. USAir 791 2045 USB HR-GS wkg NY/ARP RSSM F310 JAINS-OLDEY. (TO)
11342 American 709 1214 USB wkg NY ARINC/pp to Ft. Worth Dispatch re ATC clearances in Miami FIR. American 953 1218 USB-MPS wkg NY ARINC, Selcal check. (TO)
11345 OB-LDH 1535 USB Stockholm no joy. Any clues on this one? OB = Peru prefix, but the rest should be figures than... Transvia VG 2133 USB Stockholm (PH-HVG B737 Transavia) pp ops: captain got sick after lunch in Luxembourg, but is still able to work. Req spare captain at Leipzig tomorrow in case he gets sicker. Eta leave 2231 LHR/Ma 601 0929 USB Stockholm pp ops. Delta 31 0930 USB Stockholm (B767 N173DN) selcal EQAD (BH) Stockholm LODC: (EU-LDOC) 2321 USB wkg AEL (Air Europe Italy) 747 w/terminal forecasts for St Johns/Gander, CAN; msg to company op's re ETA Milan w/230 pax. (RB) AFR7202 1047 USB Stockholm/Radio & selcal chk/EKBC FGEME A310. BRA747 1051 USB Stockholm/Req pp to Ops. BSK3033 1053 USB Stockholm/Msg to Ops, Miami; dep.FR 1025/48 ETA T2L 1205 Fuel 43.0 146pax.sel/JKAL? AZA609 1054 USB Stockholm/ETA LERF 1230 sel/SGC GOITF B767 (RD3)
13270 New York Volmet (NAT-VOL) 2235 USB w/terminal forecasts, ID. (RB)
13285 Transat 277 1322 USB wkg Rainbow R. LODC/pp to Ops in FF. (TO)
HELICOPTER N430Q 2143 USB calling Houston @ "60N/69W over N.E. Canada" several calls but no go. Cannot find any info on N430Q (four-three-zero-Quebec) HELP!! (JSM) Continental 57 1358 USB DLhJM wkg Eastern R. LDOC/Selcal check. Connie 708CK 1536 USB CK-DH wkg NY ARINC/relay to Ops: arrival TTPP 1545 ETA dest. 1725. Air Jamaica 50 1549 USB EH-CJ wkg Houston LDOC/Selcal check. Laker 501 1551 USB wkg NY ARINC/pp to Ops for redispate. United 955 1218 USB wkg NY ARINC/o/h 69N60W w/pp to Dispatch re very ill pax. N105BN 1236 USB wkg Houston LDOC/Radio check on #2 xmr. N245TT 1805 USB wkg Houston LDOC/pp to Comp Ops re Caracas. (TO)

Speedbird 175 1439 USB wkg Speedbird LDOC/ETA JFK 1716. Speedbird 199 1552 USB wkg Speedbird LDOC/req Lotto numbers. Speedbird 4112 1555 USB wkg Speedbird LDOC/ETA Aberdeen given. Shamrock 107 1606 USB CK-EH wkg Speedbird LDOC/Shannon-JFK dep 1337/51 ETA 2006/11. Saudia 7738 1632 USB wkg Speedbird LDOC/ARP F410 WARN0? 1628. Caledonian 47 1905 USB wkg Speedbird LDOC/pp to Cally Ops, due to dept. delay have a large number of angry pax, may need airport police upon arr LGW. (TO)

Aeromexico 402 1408 USB wkg Radiomexico LDOC/ETA for MEX, wx rpt. (TO)


Kingston Dispatch (CAR-LDOC) 2240 USB wkg Air Jamaica 11 w/ETA to Kennedy of 0020, selcal ck KS-DH (A310, reg N839AD). (RB)

Tokyo 0325 USB wkg several flights. Posreps, very busy (AW)

Tokyo 0330 USB wkg unid a/c. Very weak barely audible. (AW)

Please note that ARQ is used for SitorhA, FEC is used for SitorhB, and both of these modes are 100/170 unless noted otherwise. RTTY is used for Baudot. This is not as a statement of correctness, but rather a space saving measure.

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<thead>
<tr>
<th>Frequency</th>
<th>Mode</th>
<th>Source</th>
<th>Notes</th>
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<tr>
<td>118.95</td>
<td>RTTY</td>
<td>British Mil</td>
<td>&quot;the quick brown fox...&quot;</td>
</tr>
<tr>
<td>129.1</td>
<td>DCF49</td>
<td>BMPT Bonn,D</td>
<td>1141 ASCII 200bd Encrypted traffic + tests.</td>
</tr>
<tr>
<td>147.3</td>
<td>DHH47</td>
<td>Hamburg Meteo.D</td>
<td>1253 RTTY 50bd RYRYRY (AB)</td>
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<tr>
<td>147.3</td>
<td>DHH47</td>
<td>Hamburg Meteo</td>
<td>1815 RTTY 50/100 weekly wx forecasts for Baltic (MC)</td>
</tr>
<tr>
<td>2064</td>
<td>FUB</td>
<td>French Navy, Paris</td>
<td>0850 RTTY 50/850 test tape w/ID, also on 8569, 12729.9 &amp; 15969.4 kHz.</td>
</tr>
<tr>
<td>3287</td>
<td>CKN</td>
<td>Lazo, BC</td>
<td>0940 RTTY 75/850 w/NAWS marker, DE CKN ZKR F1 2386 4167 6248 8321 12371 16561 22200 AR (gave address as Lazo).</td>
</tr>
<tr>
<td>3628.7</td>
<td>RFFP</td>
<td>MOD Paris 2030</td>
<td>ARQhM2 200/400 5 LG'S (DG)</td>
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<tr>
<td>3655</td>
<td>RVZ73</td>
<td>Archangel</td>
<td>Meteo, RUS 0315 RTTY 50/1000 w/CQ de RDH77/RVZ73 &amp;</td>
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<tr>
<td>3894.6</td>
<td>Unid</td>
<td>2122 200bd/200 PacTOR UNID sub-mode</td>
<td></td>
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<tr>
<td>3950</td>
<td>ETS</td>
<td>Asmara Air</td>
<td>ERI 2310 RTTY 50/850 clg ETD3</td>
</tr>
</tbody>
</table>

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4009.5 NNNOBVM: Navy MARS NCS 2324 FEC INSB Traffic Net sending 'Ships Active List', also sent same in 75/170 RTTY. (RB)
4020.5 British Mil,?? 2024 Piccolo–12, crypto (MC)
4173 SHIP "HAMBURG SENATOR" 0704 ARQ Traffic in EE via Portishead re SATCOM–A equipment problems (DW)
4176 LNVP3: Song of Norway 0300 ARQ w/amver tfc 4917n 12307w. 32407 lnvp3. (WT)
4178 KEOH: Golden Gate 0530 ARQ vsl status report. (AB2)
4178.5 KEOH: Golden Gate 0530 ARQ vsl status report. (RB)
4211 GKE2: PORTISHEAD RADIO 0700 FEC Tfc list and svc re using GKE1 & GKY1 when possible & report any problems. Return to Marker "GKE2" & tuning burst. At 1750, long period of betas then "very sorry sir got 10 jobs to do qsj Spain and Russia 4.07cc 2.93ll above in gold francs. (DW)
4212.5 FFT21: ST Lys Rdo 1803 FEC Gale warning ? in FF. QRJ tfc list. Return to Marker "FFT" & tuning burst. Worked unid ship giving qru. (DW)
4213 LGW3: ROGALAND RDO 1808 ARQ w/CW Marker "LGVB tlx" & tuning burst. (DW)
4214 VCS: CCG HALIFAX 0630 FEC Tfc list & wx (source NWS Washington & Maritimes WX Central,Environment Canada). (DW)
4215.5 SAB209: GOETEBORG RADIO 1812 ARQ Maritex "erererer" string. Selcal CBM. (DW)
4215.5 HEC24: BERN RADIO 1815 ARQ w/CW Marker "HEC" & tuning burst. (DW)
4215.5 OXZ: LYNGBY RADIO 1817 ARQ w/CW Marker "OXZ" & tuning burst. (DW)
4216 A7D: DOHA RADIO 1924 ARQ w/CW Marker "de A7D tlx 4690". 4690 is stn nr selcal MCSV (DW)
4216.5 SAB209: GOETEBORG RADIO 2111 ARQ Maritex "erererer" string. Selcal KMZ. (DW)
4217 PCH26: SCHEVENINGEN R. 0651 ARQ w/CW Marker "PCH" & tuning burst. (DW)
4218 OST: OOSTENDE RADIO 0750 ARQ Ship being given tor commands & charges. (DW)
4218.5 SAB218: GOETEBORG RADIO 0655 ARQ w/CW mkr "SAB" & tuning burst. (DW)
4220.3 GYU: RN GIBRALTAR 1936 VFT on USB (DW)
4220.6 GYU: RN GIBRALTAR 1939 RTTY 75/200 Chan 1 in vft. CARB "08a 12a GYU". (DW)
4222.8 GYU: RN GIBRALTAR 1943 RTTY 75/850 4222.86. Chan 4 in vft. 75bd 850Hz. No app acf. Online encrypted. (DW)
4227 IGJ42: IN AUGUSTA 1950 RTTY 100/850 Marker "IGJ41/IGJ42/IGJ43/". (DW)
4235.2 Unid: RN 2150 RTTY 100/200 ratt bdcs (DG)
4267 CKN: Lazo, BC, CAN 0730 RTTY 75/850 w/meteo wx in abbrev EE. (FH)
4295 HWN: French Navy, Paris-Houilles, F 0330 RTTY 75/850 (back on original frequency). (JD)
4325 MCG 7 RN Fastlane 1701 RTTY 75/350 availability mgs (DG)
4343 WLO: Mobile Radio, Al 1335 FEC 100/170 wx/ships tfc. (RT2)
4345 Unid 0030 ARQ-E 72/400 idling, sounds as tho might be //7970, off at 0042 but 7970 still on . (FH)
4583 DDK2: Hamburg Meteo, Quick 0014 RTTY Born, G 50/425 w/AAXX meteo reports. (RB)
4690.5 OA: Irfish Navy, Dublin,IRE 0040 ARQ in receive mode & off w/DE OA. At 0142, "98" w/DE 98 RE 232200 after sending selcall XVXX to PT32. (RB)
4690 GFA22: Bracknell Meteo, G 0015 FAX 120/576 w/fair wefax. (RB)
4684 RFFXIC: 2350 ARQ-E 96/400 FF Bouar CAF w/svce msg to RFFXI (ML)
4755.5 British Mil,?? 2022 Piccolo–12, crypto (MC)
4843 Unid: 2039 ARQ-E 72/400 idling (DG) (c.i. seen is "UAF" -LOGS)
4855 KNF: 0300 FAX USAF Roosevelt Roads (MS5) (NHF is the USN at Roosevelt Roads, no known AF facility there & it's uncertain NHF is sending this data or if it's another station -LOGS)
4905 BSB32: Lanzhou Meteo CHN 1200 RTTY 75/425 w/Ry & synoptic wx //6985 1200 (ML2)
5008.5 RETYVC***: Guardia Civil, Castellon 1955 ARQ 100bd/400 MSGs in SS. (MC)
5265.2 DER: MOI Bonn 1159 ARQ-E 72/85 Cdev (DG) (not a Controle de Voie, which is used strictly by the French, but rather a QVL which is used by the Germans. Both have the same use...circuit check -LOGS)
5269 DHJ51: Gregel Meteo 0730 RTTY 100/400 wx tfc (DG)
WUN-v02

5293.5 AWC: Calcutta Air IND 1230 RTTY 50/425 w/AFTN tfc to Dhaka (ML2)
5361.7 RFFXI: FF 2250 ARQ-E 96/400 Bangui CAF w/msgs to RFFXIC (ML2)
5380.5 RET***: Guardia Civil, Spain 2001 ARQ 100bd/400 crypto (MC)
5423.4 RFFE: FF Bouraq, CAF 2300 ARQ-E 96/400 w/msg to RFFXIC (ML2)
5474. CSY: Santa Maria, Azores Is 0300 RTTY 50/850 test tape, cct MSA to EIP but no traffic at this time. (JD2)
5739.5 RFFXIC: FF Bouar, CAF 2300 ARQhE 96/400 w/msg to RFFXI (ML2)
5798.5 Unid: 0240 ARQ in receive mode. (RB)
5802.5 Unid: 0240 ARQ in receive mode. (RB)
5823.3 Rig Lloyd Noble, Noble Drilling 0550 ARQ w/Meren Field drilling status. (RB) Unid 2305 ARQ, oil rig. Severely garbled text in EE.
5843.5 Unid: 1421 TTY sys. Clover? W-4100 can't decode this sys. Sent CW ID at 1429 then back to data mode. QRT 1434. (RM)
5862.5 U.S. Naval Academy, Annapolis, Md 0547 PACKET w/packet training boat (VP's) comm's including YP-690, DNTLES ('Dauntless') & others. (RB)
5863.5 LAYSA: M/V Aastun 0640 ARQ Norwegian-flagged bulk carrier w/ETA Scattery, login 259748000 LAYS. SMWO: SS Stena Concordia 0648 ARQ Liberian-flagged vsl w/AMVER/PR, 1215N/05324W, login 26644 TMWO. SXPT: M/C Astro Sirius 0801 ARQ Greek-flagged 277,999 DWT tanker w/tlx reporting anchored. (RB)
5864.0 WFDW: Keystone Rhode Island 0422 ARQ w/qrg rpt. KQ2XVJ2: (TEST STATION @Globe) 0442 ARQ wkg kfs w/ strange msg (buncha #s) (not qrg rpt). KNIJ: SS Manulani 0345 ARQ w/e-mail eta Oakland. WRJP: M/V R.J. Pfeiffer 0420 ARQ wkg kfs w/e-mail to hono and qrg rpt. (WT)
5865.5 N/A: Angela Green 0423 ARQ 7,433 DWT dry cargo ship w/tlx tfc, vsl bound Barranquilla to Mississippi River, login 2685 ANELAG. (RB) UNID: 0558 ARQ w/amver tfc (missed 'a' line) login 636009759 sull. (WT) (ELPG8, M/V James M. Sullivan -LOGS)
5867.5 V2QC: MV LAGARFOSS 0630 ARQ msg for ETA Hull via OXZ. (HOOD)
5875.0 SG0C: M/V Jytte Danielson 0349 ARQ w/tlx for list of items to be repaired. OUV02: M/V Danica Sunbeam 0426 ARQ 1,700 DWT Denmark flagged dry cargo vsl, w/tlx for ETA Laurentian pilot. (RB)
5876.5 UWFU: M/V Viktor Kornatovskiy 0043 ARQ Ukrainian 7,416 DWT dry cargo (Azov) vsl, w/tlx re arrival Houston pilot, login 67936 UWFU. ELRU3: M/V Seaboard Universe 0423 ARQ 9,200 DWT Liberian-flagged Ro/Ro cargo ship, w/AMVER, vsl bound Miami, login 24854 ELRU3. (RB)
5879.0 WFKW: M/T Overseas New Orleans 0309 ARQ 43,643 DWT tanker, w/BBXX wx obs. OXZ: Login 11188 WFKW. UDSX: TKH Vera Maretskaya 0439 ARQ Russian 24,105 DWT bulk carrier, w/DISP-1 reports from master KM Bepezhko. (RB)
5879.5 LW: M/V Elgin 0438 ARQ 197,809 DWT Liberian-flagged bulk carrier w/AMVER tfc, vsl bound Port El Dekhella, EGY. (RB) C6NL6: M/S Veendam?? 0501 ARQ amver/pr 1921n 06636w. (WT)
5883.5 UG0Q: TSM Ocher 2256 RTTY 50/170 w/crew TG's using hull#/ID STM 8338 (KLS/MRH), was designated TSM, both TSM & STM translate to a medium freezer trawler type. (RB)
5891.5 NMF: USCG Boston 0157 FEC FAX sked/mib (DG)
5910.0 KPH: San Francisco 1505 FEC CA w/marine services info fol’d by tfc list. (RM)
5915.5 SVU3: ATHENS RADIO 2248 ARQ w/CW Marker "de SVT" and long tuning mark. (DW)
5921.5 UDB2: Kholmsk Radio, Sakhalin Isl 1020 ARQ w/ready signal, CW ID, hrd here for years, just learned location, also logged on 4218.5 & 8437. (FH)
5933.5 IG344: IN Augusta 0143 RTTY 100/850 availability msg's (DG) IG344: Italian Navy, Augusta 1807 RTTY 100bd/850 "igj44 /igj42l /igj43fh" Pagina 695
WUNhv02

CARB (MC)

6340.5 NMF: USCG Boston MA 1456 FAX 120/576 handwritten "96 HR SFC FCST". (RM)

6348 HWN: French Navy, Paris 1805 RTTY 150bd/850 "hwn de hwn de hwn ryrry ry... sgsgsg... 1 2 3 ..." (MC)

6355 UTW/USU: Mariupol Radio 1825 RTTY 30/170 followed by cw tfc list. (MS4)

6358.5 PBC: Dutch Navy, Goeree Island 1812 RTTY 75bd/850 CARB (MC)

6385 FUO6: French Navy, Toulon 1814 RTTY 75bd/850 "fuo6 fuo6 ryrry... sgsgsg... kkkkkk" (MC)

6397 FUX: French Navy, Le Port, Reunion 1900 RTTY 75/850 RY's & SG's. (JD2) FUX: FN Le Port 2240 RTTY 75/850 w/WW DE FUX RY's SG's (ML2)

6416 WLO: Mobile, Al 1235 FEC 100/170 ships tfc. (RT2)

6420.5 CSS: Santiago 1005 RTTY 100/850 5LG msg to VUDL, the msg in SS to KVLU from Talcabas. (FH)

6446 MURMANSK MET 1903 FAX 120/576 obvious met map but interfering bars (scanner w/dirty perspex in light path?) Running slightly fast. Signal not good enough to confirm freq. (DW)

6452 NPG: 0445 FAX USN San Francisco w/500mb Analysis (MS5)

6456 CKN: CF Victoria CAN 0930 RTTY 85/850 w/sea & air wx (ML2) CKN: Lazo, BC, CAN 1000 RTTY 75/850/FAX 120/576 w/EE wx to 1000, then FAX from Canadian Forces Forecast Center, Comox, transmitting on 2752.1, 4266.1, 6454.1, 12751.1, at 1022 same ID in RTTY, then wx in abbrev EE. (FH) CKN: CF Victoria, BC, Can UTC? RTTY 75/747 1.5 stopbit wx went to wefax at 0205 unable to copy too much qrn for wefax. (RT2) (note, these 3 logs combined from logs on 6455.8, 6455.9 & 6456...6456 noted most often -LOGS)

6462 FUM: FN Papeete, Tahiti UTC? RTTY 75/850 trf it cant be can it?? (RT2)

6463 UPZ: Vladivostok R 1200 RTTY 50 & 100/170 w/telexes (ML2)

6481 GW7A: Whitehall 0100 RTTY 100/850 RY's then WMGTCHJ BH etc. (FH)

6502 Unid: 0525 ARQ-M2 96/? Sigs on Mk only; Pprob RSA wx station. (RH2)

6505.2 Many German AF-stations 1700 (VFT3)xFEC-A-192 encrypted tfc. after ---88--- (ANEU)

6582 RFFXL: FF Beirut 2107 ARQ-E 72/400 CdeV (DG)

6586 RPEN**: Portuguese Navy, Lisbon 2116 RTTY 75bd/850 "retj de rpfn test of rpfn ryriry int zbz k" (MC)

6595 SSM: unid Air sta (?Toamasina MDG) 1300 RTTY 100/425 w/RY & svce msg, cct id XTA (ML2)

6918.5 ECA7 Madrid Meteo, E UTC? FAX 120/576. (RT2)

6930.5 9MR: MN Johor Baharu MLA 2310 RTTY 50/850 w/regional sea wx (ML2)

6976 Unid: 0030 ARQ-E 192/170 reports & callbooks indicate the station as RFFHCA Ajaccio w/C.I. of EHQ, unable to verify as always idle when monitored, but if C.I. is EHQ then this quite likely not RFFHCA...might be RFFHA, suspect it is RFFE. (FH)

7309.7 RFHJ: Papeete Tahiti 0003 ARQ-E 100/378 1 CHN FF idle. (RT2)

7398 NHA: 0441 FAX USAF Roosevelt Roads (MS5) (NHF is the USN at Roosevelt Roads, no known AF facility there & it's uncertain NHF is sending this data -LOGS)

7407.5 FDY: FAF Orleans 1625 RTTY 50/400 testing (DG)

7467.9 MFA COPENHAGEN 0945 TWINPLEX h400/h200/200/400. F7bh1. Tfc in Danish pl. End of qso. Selcals TPZV (Reykjavik?). Further tcf in Danish but poor copy. (DW)

7484 SNN299: MFA Warsaw 1623 POL-ARQ 100/250 diplo tcf (DG)

7542.8 Unid: 0000 ARQ-E 192/400 idle, won't hold sync due to broadcast QRM, reported as French Military. (FH)

7542.9 Unid: 0605 ARQ-E 192/380 UNID FF somewhere? GBGE on screen. (RH2)

7575 Unid: 1111 RTTY 75/170 encrypted (RM)

7586 RFWIT: Dzaoudzi 2200 ARQ-E 96/400 msg in FF to RFWIT Reunion (TTT). (FH)

7607.7 RFZH: FF Noumea NCL 0910 ARQ-E 100/400 w/return of C de V to RFHJ cct id HIJ (ML2)

7625 HZN47 Jeddah Meteo 0030 RTTY 100/773 1ff stopbit synoptic wx (RT2)

7643.3 RFWJ: FF Le Port REU 1050 ARQ-E 100/400 idling (RM)

7667 DDH7: Hamburg Meteo, Quick 0028 RTTY Born, G 50/425 w/meteo reports. (RB)

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7674  HBD20: MFA Berne 0723 ARQ 5 LG'S (DG)
7677  HBD20: MFA Berne 1113 ARQ 100/170 5 LG's (DG)
7682.5 AFA1AS: 1511 PACKET w/msgs to AFA1AM. USAF MARS stas. (RM)
7698.2 Russian Mil,?? 2057 MS5 12 tone vocoder (3300Hz pilot). (MC)
7704  Unid: 0130 RTTY 75/850 on at intervals, acts like might be British. (FH)
7705.7 RFTJ?: Dakar? 0130 ARQhE 48/400 idle, RFTJ usually 192 baud. (FH)
7748  ZKX: RNZAF Auckland 2230 RTTY 75/850 w/foxes (ML2)
7753.5 AFA1DA: U.S. Air Force MARS 1605 FEC wkg 2nd station w/info re
                       Hurricane Bertha. AFN1RT: U.S. Air Force MARS 2346 FEC wkg 2nd
                       station re frequencies for Hurricane Bertha comms, FEMA 5211 USB
                       mentioned. (RB) AFA1KS: USAF MARS Biloxi, Ms UTC? FEC w/net chk ins.
                       (RT2)
7783.5 N/A: Somewhere in Puerto Rico? 0030 RTTY 75/850 w/BBXX ship wx
                       observations. (RB) USAF AWS Ceiba Ptl 1307 RTTY 75/850 synoptic wx.
                       (RT2) (no known USAF facility in Ceiba, poss USN, loc unsure -LOGS)
7788.5 GXQ: Royal Navy, London 2140 VFT: 2ch of Piccolo-6, eng. ch "de gxq
                   u be 55's pal kkkilo" (MC)
7788.9  GXQ: Royal Navy, London 2141 VFT: 2ch of Piccolo-6, crypto (MC)
7802  DFZG: MFA BELGRADE 1102 RTTY 75/400 Offline encryption.
7806  YZI225: TANJUG BELGRADE 1818 RTTY 50/400 Press in EE. (DW)
7808  DFZG: MFA BELGRADE 1418 RTTY 75/400 On line encrypted tfc after
                   "xrxrxrxr" string. Ends "tks 73 sk". (DW)
7816.7 Many German AF-stations 0920 (VFT)3xFEChAh192/170 encrypted tfc.
7822.2 FDZ: Paris 0159 ARQhM2 200/400 idle, at 0200 switched to E3 200/400,
                   this was on June 10th & has been E3 for several months so M2
                   equipment still available. (FH)
7832.5 AFA1DA: U.S. Air Force MARS 1605 FEC wkg 2nd station w/info re
                   Hurricane Bertha. AFN1RT: U.S. Air Force MARS 2346 FEC wkg 2nd
                   station re frequencies for Hurricane Bertha comms, FEMA 5211 USB
                   mentioned. (RB) AFA1KS: USAF MARS Biloxi, Ms UTC? FEC w/net chk ins.
                   (RT2)
7863.5 SPW: Warsaw R. POL 1657 FEC idling. (RM)
7870  NHF: 0300 FAX USAF Roosevelt Roads (MS5) (NHF is the USN at Roosevelt
                   Roads, no known AF facility there & it's unconfirmed NHF is sending
                   this data -LOGS)
7880  DD3K: HAMBURG MET 2140 FAX 120/576 Wave prediction chart for N.
                   Atlantic. (DW)
7892.5 MFA VIENNA 1220 ARQhS 96/200 5rc (ACF70). Opr chat in German. (DW)
7896.7 RFLI: FF Fort de France MRT 1039 ARQ-E 96/400 RQ sig. (RM)
7915  AFH1RT 0100 FEC chatting w/AFA2DR, AFA1JN. (FH)
7925  RFPN: Portuguese Navy Portugal 0103 RTTY 75/850 testing (DG)
7946.7 TROTTER: Philippine Military Manila 0900 ARQ w/msgs to units in Sthn
                   PHL (ML2)
7970  Unid 0010 ARQ-E 72/400 idling, suspected // 4495 but that station off
                   at 0042 while this one continued on to 0152. (FH)
7977  Unid 0000 RTTY 50/1000 earlier & later monitored ARQ-E 72/400 same
                   freq, unk if different station. (FF)
7985.5 Unid: 1951 Piccolo 12tone on traffic (KN)
7986.8 Unid: 1509 75/850 encrypted. (RM)
7987.3 Unid: 1115 RTTY 75/850 encrypted (RM)
7991.7 FJY2: TAAF Port-aux-Francais KER 0910 ARQ-E 96/425 w/msgs to FJY3.
                   (ML2)
7998.2 RFH3: FN Papeete Tahiti 1132 ARQ-E 96/400 returns cdv msg to Fort de
                   France on HJL ct (RM)
8001.8 RFH3: FN Papeete Tahiti 1214 ARQ-E 96/400 msg on HJL ct to Fort de
                   France saying that a msg on the latter's LIH ct was not rcvd (RM)
8005.4 RFH3: FN Papeete Tahiti 1200 ARQ-E 96/400 returns cdv msg to Fort de
                   France on HJL ct (RM)
8010.6 7rq20: Algerian MFA, Algiers 2133 COQUELETh8 13.3bd&26.7bd "vci off
                   alger", NX in FF to Peking (MC)
8020.1 HMFB5: KCNA Pyongyang, KRE 1806 RTTY 50/250 w/nx/EE (AWFUL TRIPE!).
                   (RH2)
8028  VSG***: Romanian MFA, Bucharest 2012 ROU-FEC 164.5bd/400 crypto
                   (Bitmask=24) (MC)
8030.3 Unid: 0230 ARQ-E 72/425 idling. (RB)
8032  Unid: 0900 VFT 2ch VFT Picc 6tone 0.51 and 0.91 stdby (KN)
8036  Unid: 0950 VFT 2ch VFT Picc 6tone 0.51/0.91 stdby (KN)
8050.2 RFQP: French Forces, Djibouti 2330 ARQ-M2 200/425 idling. (RB)
                   RFQP: FF Djibouti, Dji 0117 ARQ-M2 200/375 idle. (RT2)
8105  RFFX: Mindefense Paris F 0122 ARQ-E 72/400 idle. (RM)
10746 STAR. (AB2) UOAW: TKH Fatezh 1514 ARQ 7,805 DWT bulk carrier (Azov) w/crew TG's to Mariupol, per chg listed in 93ITU c/s should be UWDL, but UOAW still used. (RB)

8386.5 9GYU: M/V Keta Lagoon 2344 ARQ 16,667 DWT dry cargo vsl (Black Star Line) re Great Lakes inspection, login 19402 9GYU. (RB)

8387   OWDX2: Luna Maersk 1220 ARQ 24 hr performance report. (AB2) ATZN: M/V Lok Kirti 0350 ARQ Indian 33,113 DWT bulk carrier (Shipping Corp India), w/tlx re sailed Victoria, login 23728 ATZN. OXGF4: M/V Nautilus 2236 ARQ w/login for msgs, login 10177 OXGF4. (RB) SQGX: M/T Otol 0525 ARQ w/tlx login 43237 sqgx. SQGD: M/T (F/V) Wloclznik 0528 ARQ w/tlx. login 43271 sqgd. SQRG: Acrux 0550 ARQ wkg kph. login 43123 sqrg. ZNU: M/V Trident Mariner 0610 ARQ w/tlx re cargo (sugar). login 16872 znu. EOIQ: TH Aram Khachaturyan 0634 ARQ w/svg to radio Odessa. C6FA2: Samuel H. Armacost 0415 ARQ w/amver/fr login 368469000 arma. WMCK: SS Overseas New York 1724 ARQ wkg kph w/tlx. login 10539 wmcx. P3DY5: M/V Ourania Smile 0358 ARQ tlx to showa Tokyo, arriv Vancouver, bc. 27585 p3dy5. (WT)

8388.5 C6KO5: Smit Lloyd 0225 ARQ w/tlx in ?? login 61354 c6ko5. (WT)

8390   9VMP: Front Rider 1250 ARQ obs msg. VVJN: Uttarkashi 1309 ARQ AMVER msg. C6KR7: Winter Moon 1629 ARQ tlx to Cool Carriers re search of vsl for two stowaways (not found), selcall 26123. (AB2) UWDL: TKH KAPITAN MEDVEDEV 0738 RTTY 50/170 admin to Odessa from Km Mamkin. (HOOD) LAMN4: Nedlloyd Van Rees 0020 ARQ amver/pr 1828n 11200w. login 29464 lamn4. ENZZ: M/T General Merkviladze 0245 ARQ w/tg in ?? login 55310 enzz. (WT)

8390.5 ELRV7: M/V Seaboard Caribe 1456 ARQ Liberianhflagged 9,200 DWT Ro/Ro cargo ship w/tlx for ship's chandlers order, login 24948 ELRV7. 9VYK: M/V California Galaxy 1613 ARQ Singapore-flagged container ship w/login for msg ck. (RB)

8391   TCM: Fuat Aksoy 0215 ARQ chatting in ?? 65789 tcam. (WT)

8391.5 UGSH: TKH Slavyanka 0618 ARQ w/login for msg ck. UIJR: TKH Khudozhnik Fedorovsky 0620 ARQ Russian-flagged 24,354 DWT bulk carrier, w/BBXX wx observation. (RB) UETV: M/V Socofi Trade 0235 ARQ clg uat, Moscow, no joy. login 55954 uetv. (WT)

8392   PPML: M/V Frotachile 0150 ARQ 38,143 DWT bulk carrier, w/tlx for ETA Victoria. WEZD: SS Chief Gadao 0435 ARQ 38,583 DWT U.S. flagged container ship w/test of e-mail system, login 10867 WEZD. (RB)

8392.5 UZUC: TKH Akademik Pustovoyt 0536 ARQ 88,723 DWT Ukrainian-flagged tanker w/admin tlx to Novoship Opr Novorossiysk from master KM Sinchenki, posn 3445N/02259W. UWXX: M/T Kapitan Ostashevskiy 0554 ARQ Ukrainian-flagged 67,958 DWT tanker w/crew TG's to Novorossiysk Radio. UMDL: TK Kuzbass 0613 ARQ tanker, w/login to Novorossiysk Radio for msg ck, login 54831 UMDL. URU: M/T Marshal Bagramyan 2215 ARQ Ukrainian flagged 67,980 DWT tanker, w/DISP-1 reports to Novorossiysk. (RB)

8393   BOPR: Lu Ban 1321 ARQ tcf for Shanghai. (AB2)

8394   VRUF8: M/V Orient Star 0630 ARQ w/BBXX wx observation. HSIP: M/V Heritage 1213 ARQ 20,949 DWT dry cargo ship w/tlx for ETA Santiago in heavy seas. (RB) 3ELQ9: M/V Columbine 0140 ARQ w/tlx, sailed Vera Cruz, eta Houston. P3FA5: M/V Nirvana 0342 ARQ tlx to brave maritime, Athens. 00523 p3fa5. P3AB3: M/V Atlantis Two 0419 ARQ w/tlx. login 01718 atwo. (WT)

8395   BRYK: Da Qing 246 1145 ARQ tcf. (AB2)

8396   VZTW: Startrampan 2248 ARQ 6,405 DWT dry cargo vsl, w/tlx reporting berthed at Puerto Cabelo. C6LTH: M/V Norcape 2251 ARQ w/tlx for ETA Brayton Point pilot. (RB) P3TH6: M/V Hilon of Sparta 0442 ARQ w/tlx, login 29639 hilon. (WT)

8397   UCBM: TKH Mekhanik Pustoshnyy 2218 ARQ 2,657 DWT dry cargo ship w/admin tcf to Arkhangelsk from master KM Karpenkov. (RB) LAIJ2: M/V Dyvi Baltic 0540 ARQ login 26900 laijj. (WT)

8398   ELEO2: M/V Kanin 1213 ARQ 24,713 DWT bulk carrier w/AMVER, vsl bound Rio de Janeiro. UWUL: TR Azov 2327 RTTY 50/170 w/crew TG's (NVR/KRH), vsl bound W. Africa, this was RTMS Azov Gavrilenko but used only "Azov" here w/"TR" indicating a reefer. (RB)

8398.5 SPZC: MV FRYCZ MODRZEWSKI 1316 ARQ opr chat w/SPA. N/A: MV EMERALD RAY 0655 ARQ car carrier passing eta for Southampton, login 29655 EMER. (HOOD) (poss C6LY2 -LOGS)

8399   UQTD: BKRT Nataliya Kovova 0234 RTTY 50/170 Ukrainian trawler w/admin Pagina 699
WUN-v02
tfc to Sevastopol SGP Atlantika via master KMD Nikiforov. (RB)
8399.5 UHMK: SRTM Strelnya 2229 RTTY 50/170, crew TG's using hull#/ID SRTM 8108 & name. UBRJ: TR Ulbanskiy Zaliv 2257 RTTY 50/170 9,360 DWT reefer/fish carrier w/crew TG's (KLD/VTF). (RB)
8400 9HJV3: TKH ODESSA SUN 0643 RTTY 50/170 Rys to UIW, no joy. (HOOD)
8401.5 LYVF: RTMS LAUKUVA 0653 RTTY 50/170 crew TGs and admin for Thorshavn from Km Kashchenkov via LYL. (HOOD) UNDG: TR Ivan Pribyl'skiy 0208 RTTY 50/170 crew TG's. EOGO: TKH Petr Smorodin 2050 RTTY 50/170 w/crew TG's to Odessa. LYIV: SRTM Gornostaevka 2106 RTTY 50/170 w/RYRY/DE, & w/admin msgs from master KM Berdnikovich. (RB)
8402.5 UPXW: HEATHER SEA (TSM 8366) 0701 RTTY 50/170 admin in EE (ETA for Rostock) and crew TGs in Russian to UIW. Vsl is ex OTYNYA. ELRA4: MTR STARLETTE 2 0700 RTTY 50/170 admin from Km Starchenko to KALNINGRAD REFERTRANSPLAT via UIW. YLGC: TKH BERINGA SALA 0754 RTTY 50/170 crew TGs to UIW. (HOOD) UEPZ: RTMS Nikolay Afanasev 2158 RTTY 50/170 crew TG's to Kaliningrad Radio, ex-LYEW. YLGC: TR Beringa Sala 2257 RTTY 50/170 Latvian reefer w/admin TG to Riga RTF (Refrigerated Transport Fleet) from master KM Kositsyn. (RB)
8403 UAYN: Unid 0010 RTTY 50/170 admin to Murmansk Radio, apparently a recent c/s change, no prior ID for MIh1664. (RB)
8403.5 EKNB: IZUMRUDNYY BEREG 0658 RTTY 50/170 admin to Murmansk Radio via UIW. Vsl call sign changed to UAZX in ITU. ELRA5: MTR STARLETTE 3 2206 RTTY 50/170 admin from Km Podorots to UIW. Vsl is ex Matros Baltiki, UUQY. (HOOD) UOLZ: TSM Kaluga 2129 RTTY 50/170 w/crew TG's to UIW, Kaliningrad rdo (KLD/UTF), TSM is a Trailer Srednyj Morilzhnyj, or medium freezer trawler. ESMD: RTMS Kormoran 2208 RTTY 50/170 RYRY/DE to UIW, w/long order list using hull#ID RTMS 7535/Kormoran. (RB)
8404 UIAE: IVAN ZIMAKOV (MBh0005) 0735 RTTY 50/170 crew TGs using this hull number via UDK2. (HOOD)
8405 ODSA: MV LADY IMAN 0922 RTTY 50/170 Rys then QSY to 12560.0 for msg to Continental Ship Management, Beirut with ETA Ventspils via USU Mariupol Radio. (HOOD)
8405.5 EOIB: TKH GEROI SHIPKI 0720 RTTY 50/170 admin to "UKRFERRI". Vsl is a ro-ro ferry. (HOOD) UALN: MKRTM Gilale 2210 RTTY 50/170 Russian small trawler/freezer, w/crew TG's to UIW, & w/1 TG using hull#/ID MKRTM0623. (RB)
8406 V3SL6: TK BETA 0638 RTTY 50/170 msg in RR and EE from Km Butovsksiy to St Petersburg and Hamburg for ETA Tallinn. (HOOD)
8406.5 SPXQ: Grunwald 0008 ARQ Polish flagged 12,027 DWT dry cargo vsl (Pol America) w/tlx in Polish. (RB)
8407.5 UAWW: KAPITAN ORLOV (AG-1355) 0626 RTTY 50/170 Rys to RKLM, no joy then QSY to 12563.5 for tfc to Arkhangelsk. (HOOD)
8412.5 Unid 0530 RTTY 75/425 encrypted traffic (24 hrs) (MS4)
8413 UEUA: TKH Boris Zhemrzhiz 2306 ARQ Russian flagged 13,150 DWT dry cargo w/crew TG's then QSY to 55566 UEUA. UQRT: TKH Professor Nikolay Baranskiy 2308 ARQ wkg St Petersburg Radio for "mailbox" traffic, login 55443 UTUO. UQRT: TKH Ilya Ulyanov 2312 ARQ wkg UGC, St Petersburg Radio, for sitor mailbox traffic. (RB)
8417 GKE: Portishead Radio 1826 ARQ tlx tfc (BvR)
8417.5 KFS: San Fran Rad, Ca 1425 FEC 100/170 ships tfc chn#807. (RT2)
8419.5 SAB407: Goeteborg Radio 1202 ARQ maritex tfc (DG)
8422 NRV: USC GuaM 0945 ARQ w/ready signal, CW ID. (FH)
8423 SVT4: ATHENS RADIO 2020 FEC QTC list. Qsx 6 8 12 16 mhz. Then marker "de SVU". At 2253 CW Marker "de SVU" and log tuning mark. (DW)
8424 SVU4: ATHENS RADIO 1337 CW Marker "de SVT" and tuning mark. (DW)
8428 SAB424: Goeteborg Radio 1852 ARQ maritex tfc (DG)
8430 SPA42: Gdynia Radio, POL 0200 ARQ w/ready signal, CW ID. (FH)
8434 WLO: Mobile, AL UTC? ARQ w/CW WLO marker w/a "T" (RT2).
8434.5 SAB: Goeteborg Radio 1640 FEC global wireless msgs (BvR)
8435.3 HHW: Portishead Radio 2020 FCC NEWS tpn tfc (DG)
8453.5 HWN: French Navy, Paris, F 2320 RTTY 75/850 w/RYRY, G's, ten count & DE HWN. (RB)
8458 UJY: Kalingrad R 1019 RTTY 50 tlx tfc (BvR) (UJY now UIW -LOGS)
8459 UJY: Kalingrad Radio 1039 RTTY 50/250 maritex tfc (DG)
8465 Unid: 0416 FAX USC Kodiak w/Surface Charts (MS5)
8465 Unid: 1021 RTTY 100 scramble (BvR)
8493 Unid: 1023 RTTY 100 scramble (BvR)
8503.9 NGM: USC New Orleans, La 1550 FAX daily FAX sched (RT2)
8641.5 MGJ: London 0100 RTTY 75/850 availability chart. (FH) (MGJ is the Royal Navy sub base at Faslane, Scotland -LOGS)

8650 SPE42: Szczecin Radio, Poland 0130 ARQ w/sitor free signal. (RB)

8677.2 CBV: Valparaiso Radio, CHL 2330 FAX 120/576 w/chart distorted due to strong Sitor-A QRM from UGC on 8677.5 kHz. (RB)

8677.5 UGC: St Petersburg Radio, RUS 2309 ARQ wkg UEUA, TKH Boris Zhemrzhin w/msg ck, system shows "0 PRIORITY 3 SYSTEM 0 OTHER" msgs. Also worked UTUO, TKH Professor Nikolay Baranskiy (55443 UTUO); UUUZ, TKH Samarkand (55731 UUUZ); & UQRJ, TKH Ilya Ulyanov (55238 UQRJ), for tfc. (RB)

8822.5 Saudi National Guard,??? 2027 125bd/170 ARShGUARD (MC)

8991 Unid: 1453 RTTY 75 scramble (BvR)

9034.7 RKUKGK: Egyptian Embassy, Havana, Cuba 2250 ARQ 100/425 w/circular traffic to various embassies in ATU-80. (RB)

9090 NPG: USN S.Fran, Ca UTC? FAX 120/576 very poor. (RT2)

9112 SNG205: Poland (?) 0908 RTTY 75/500 RYRYRY (ANEU)

9114 SNG205: Poland (?) 0908 RTTY 75/500 RYRYRY (ANEU)

9115.7 PM01***: Algeria/Tunisia? 2200 ARQ 5LGs to "UN46". ZM88***: Algeria/Tunisia? 1642 ARQ Opchat in FF "ok c'est 39 39 kkk ar". KJ85***: Algeria/Tunisia? 1816 ARQ 5LGs to "zm88" (part of 11162.7kHz net) UN46***: Algeria/Tunisia? 2200 ARQ 5LGs to "PM01" (MC)

9161.6 Egyptian Embassy, Rome 1936 ARQ 100bd/140 ATU80 and 5LGs to MFA Cairo (MC)

9179 HBD20/3: MFA BERN 0929 ARQ Offline encrypted tcf (1ts & double spacing) then off air. Returned briefly with selcal BMIP & ID HBD20/3. (DW)

9189 Unid: 2030 100bd TT2300b, idle (MC)

9206.7 Egyptian MFA, Cairo 2048 ARQ ATU-80 MSGs (MC)

9226 GYU: Royal Navy, Gibraltar 2034 RATT 75bd/850 crypto (MC)

9243 FJY2: TAAF Port aux Francais KER 0900 ARQ-E3 96/425 w/PTT msgs to FJY5 (ML2)

9249.7 Chinese Diplo,??? 1942 4+4 (MC)

9266 OMZ66: MFA BRATISLAVA 0910 RTTY 100/400 Diplo press summary in Slovak. (DW)

9324.3 Unid: 2058 station in idle w/unid mode similar to ARQ-E. Per post by Ed Deasy, mode has 7 character ITA2-P betas followed by 7 zero's. Ed has seen this station return to ARQ-E mode at times. (RB)

9324.7 RFFXIW: Unid 0005 ARQ-E 96/400 FF w/svce msg to Favieres cct id XZW (ML2)

9983.7 RFFA: MOD Paris, F UTC? ARQ-E3 99/396 1ch encypted trf. (RT2)

10018.6 Egyptian MFA, Cairo 1725 ARQ tcf (MC)

10031.7 Egyptian Embassy, Wash D.C. 0008 ARQ w/tfc to BKFQSR KDAKFR (MFA Cairo). (RB)

10037.6 Unid, also 10037.8 2130 UNK high bauds, 400, maybe E288? Can't read here. (FH)

10094.7 Egyptian MFA, Cairo 1823 ARQ idle (MC)

10114.7 FJY2: TAAF Port aux Francais KER 0920 ARQ-E3 96/4125 w/msgs & nx FF to FJY4 (ML2)

10120 NSY: USAF Sigonella, Sicily 1815 ISB w/voice on LSB, VFT 6028 on USB, wkg AJE. (JD2)

10130 RBX73: Tashkent Meteo 1204 FAX 120/576 wx map (EW)

10154 Russian Mi1,?? 1950 81-81 81bd/250 tcf (MC)

10161.7 EGY-DIPO London 1850 ARQ messages in ATU-80 + E-NX (ANEU)

10161.7 'TFB': Mossad Tel Aviv 0530 (VFT) 3xFEChAh192/170, RY + 5LGs (ANEU)

10161.7 Egyptian Emb.,Washington 2133 ARQ 100bd/140 ATU-80 & 5LGs to MFA Cairo (MC)

10170.2 HSW 63: Bangkok Meteo 1149 RTTY 50/170 wx reports bit off freq I think (EW)

10191 AJE: USAF Croughton, UK 1815 ISB w/voice on LSB, VFT 6028 on USB, wkg AJE. (JD2)

10192.5 D15J9: D-NY Wilhelmshaven UTC? (VFT)3x150bd/170 tcf to DRAT frigate 'Emden' + USB. DRAT: Frigate Emden UTC? (VFT)3x150bd/170 messages to 'RXFEAB' (ANEU)

10200 MKK: RAF London G 2350 VFT 50/170 RYI's foxes & 10c on all ch's (RM)

10215 HZM148: Jeddah Meteo 0105 RTTY 100/756 wx (RT2)
WUN-v02

10917.7 RFTJ: FF Dakar, Sen UTC? ARQ-E3 48/443 controle de voie on tfj. (RT2).

10941.2 Russian Mil,?? 1805 MS5 12 tone vocoder (3300Hz pilot). (MC)

10962 Unid: 1603 RTTY 100bd/850 (1 stopbit), Short crypto followed by reversals (MC)

10967 HBD20: MFA Berne, Switzerland 1620 ARQ P/L FF, active same time as J069. (J02)

10969 HBD20: MFA Berne, Switzerland 1620 ARQ w/very long 5LG msg. (J02)

10972 British Mil,?? 2006 VFT: 7ch of 75bd/170 RATT, (6028 Config) crypto (MC)

10987 BAP40: Beijing Meteo 1131 RTTY 75/425 wx reports (EW)

10998.7 USAF Roosevelt Roads ? 1535 RTTY 75/850 Met trfc. No carrier when idle. Header contains "KAWN". Believed frequency day alternative to 3393.7 (DW) Unid: 1915 RTTY 75bd/850 AIREP data and WX from "KAWN" (MC)

11010 MKD: Royal Air Force, Akrotiri 1940 RTTY 75bd/850 "vv de mkd ryryryryr.... int zbz" (MC)

11018.8 GXX: Royal Navy, Gibraltar 2032 VFT: 7ch of 50bd/170 Baudot, "test de gx" (MC)

11032 French Embassy,??? 1131 FEC-A 192bd/400 opchat in FF (MC)

11037 RFGW***: French MFA, Paris 1644 FEC-A 192bd/400 Opchat in FF (MC)

11043 WJI***: Italian Intel, Rome 0719 ARQhE 96bd/850 5LGs to CJL (Channel 40). (MC)

11047 RFTJD: FF Libreville GAB 0019 ARQhE3 192/400 idling (RM)

11052.1 SPP???: Polish Embassy, Berne 0717 POLhARQ 100bd/240 MSGs marked "m:berno" (MC)

11065 DoSC Moskva 1800 CROWDh36 40Bd+10Bd, IRS mode + op. chat (ANEU)

11072.4 P6Z***: French MFA, Paris 0718 FEC-A 192bd/400 Clg K4X (Embassy Tunis) (MC)

11080 SANA: Damascus, Syria 2000 RTTY 50/400 Nx in Arabic. (AB3)

11105.5 RFLT: FF Fort de France MRT 0022 ARQ-E3 192/400 idling (RM)

11114.5 Saudi Nat.Guard,??? 1600 ARS-GUARD 125bd/170 (MC)

11117 Russian Mil,?? 2035 81-81 81bd/230 tcf (MC)

11118 AF5: USAF AWS Omaha 1400 RTTY 75/850 2 stopbit synoptic wx. (RT2)

11133 Unid: 1123 FAX 120/576 very weak wx map (EW)

11137 Unid: 1223 FAX 120/576 very weak wx map (EW)

11146.5 French Diplo?,??? 1731 TT2300b 100bd tcf (MC)

11155.5 Unid 2248 RTTY 110/170 encrypted (RM)

11160.2 Unid: 0801 ?Unid 100/488 unable decode, not in Kling or my database? (RH2)

11162.7 ML10***: Algeria? 1617 FEC 5LGs CBRS mode ending "stop et fin", opchat FF. GF14***: Algeria? 1938 ARQ Short 5LGs to "ml10", selcals VVXX, VVVC (MC)

11163 German Diplo?: 1738 RS-ARQ 228.7bd/170 tcf (MC)

11192 Unid: 1753 UNID 75bd/850 FSK UNID System, Short tcf ACF=0, reversals, period ACF=65 (MC)

11197.9 Unid: 1743 VFT: 7ch of 200bps OQPSK UNID System (MC)

11198 Many POR-NY stations 0727 PSK + LSB (11200 Khz) (ANEU)

11210.2 NATO Mil,??? 2016 Link-11, idle (MC)

11217 NATO Mil,??? 1956 Link-11 (MC)

11294.6 Egyptian MFA, Cairo 1847 ARQ ATU-80 MSGs to Abu Dhabi, Beirut & Tunis. (MC)

11405 HCRZREKI***: UNHCR, Kinshasa 1930 PACTOR-U 200bd/200 MSGs in EE to "HCSWIGE" UNHCR Geneva. HCRWAKI***: UNHCR, Kigali 1922 PACTOR-U 200bd/200 MSGs in EE to "HCSWIGE" UNHCR Geneva (MC)

11410 PCW1: MFA Den Haag 0627 Cw+SITOR-phasing signal (ANEU)

11421.7 FJY5: Iles Crozet 1215 ARQ-E3 96/400 signing off at tune-in (1218), contacts Paris. (FH)

11449.2 Russian Mil,?? 2111 MS5 12 tone vocoder (3300Hz pilot). (MC)

11459 Unid: 0755 RS-ARQ 228.7bd/150 tcf and ALIS bursts (MC)

11461.7 Egyptian Embassy,Abidjan 1811 ARQ ATU-80 MSGs marked "jg kysmqkg" to MFA Cairo (MC)

11464.2 Russian Mil,?? 1947 MS5 12 tone vocoder (3300Hz pilot). (MC)

11476 HMF52: Pyongyang 2130 RTTY EE nx // HMF36 on 13580 kHz at 2130. 13580 stronger. (FH)

11490.7 Unid: 1328 PICCOLO off at 1328. (FH)

11500 Unid: 1132 RTTY 75bd/850 crypto (MC)

Pagina 703
11515.2 Russian Mil,?? 1250 MS5 12 tone vocoder (3300Hz pilot). (MC)
11520   Unid: Ukraine 0703 CIS-14 96/500, QSX 12170 kHz, after KKKKK on channel a into pseudo-bitstream on both channels (ANEU)
11525.2 Russian Mil,?? 1948 MS5 12 tone vocoder (3300Hz pilot). (MC)
11530   HMF49: KCNA Pyongyang, KRE 0815 RTTY 50/250 w/EE. (RH2)
11536   HMF49: Pyongyang 0815 RTTY 50/250 KCNA Nx EE (AB3)
11539.3 Unid: 1357 RTTY 45/176 fox & other testing "this is a communications test message". (FH)
11542.4 DOR**: Bulgarian MFA,Sofia 1125 RTTY 75bd/500 Clg "ODK" (UNID)
11544   Unid: 1931 RShARQ 241bd 8 tone (MC)
11546   HWN: Paris 0200 RTTY 150/850 FF (ES)
11548.5 Unid: 1931 RShARQ 1948 MS5 12 tone vocoder (3300Hz pilot). (MC)
11551.5 British Mil,??? 1822 Piccoloh12, crypto (MC)
11554.5 Unid: UTC? RTTY 75/850 1 stopbit encrypted. (RT2)
11556   OMZ66: MFA BRATISLAVA 0900 RTTY 100/400 ry's OMZ66 opening. Messages inc px in Slovak. At 0930 RTTY 100/400 Diplo news summary. (DW)
11559.5 British Mil,??? 1429 Piccoloh12, crypto (MC)
11561   HWN: Paris 0200 RTTY 150/850 FF (ES)
11564   Unid: UTC? RTTY 75/850 1 stopbit encrypted. (RT2)
11569   P3CR6: TH Akademikis Zavaritskis 0009 ARQ w/svc msg. login 00501 zava. (WT)
11572   C6LN5: MV Capricorn 1440 ARQ sc tvvq (BvR)
11576   VRIM: BT Neptune 0055 ARQ tfc. (AB2) KWLO: SS Manukai 1715 ARQ w/amver/pr 3033n 13836w, eta hono. (WT)
11576.5 9HHJ3: MV Makhachkala 1757 ARQ tfc (Rb) YQGN: M/V Histria Star 1757 ARQ 54,615 DWT bulk carrier w/tlx to London re container, login 26869 RAKNES. 9HIV4: M/V Nornes 2310 ARQ 63,293 DWT bulk carrier w/tlx re departed Moorehead City for
Montoir w/cargo of 5249,985 MT of Carolina natural phosphate, login 26828 NORNES. (RB) 9HWA4: M/V Grigoroussa I 0418 ARQ w/tlx to Athens. login 72050 grig. (WT)

12481 N/A: Esmeralda (BE-43) 2238 ARQ Chilean Navy four-masted training schooner, wkg Valparaiso Radio w/mil tlx of 5LG's, wkg CBV using login 19006 ESME. (RB)

12482 OVYK2: Nadia J 0324 ARQ ETA Balboa, selcal 54500. (AB2) WOVS: SS Overseas Valdez 1620 ARQ 39,036 DWT products tanker, w/tlx for ETA Boston, login 11095 WOVS. (RB)

12483 3FYF5: Ansac Sincerity 0545 ARQ amver/pr, 5036n 14627w. login 71119 ansa. WEHV: SS Overseas Alaska 1702 ARQ w/eta Hinchenbrook. login 11084 wehv. (WT)

12484 ELRZ2: Joseph Lykes 1844 ARQ w/BBXX wx observation via DAN, login 25045 JOLY. (RB)

12485 TCKO: M/V Omer Kaptanoglu 1631 ARQ Turkish flagged 34,607 DWT bulk carrier, w/tlx for 10 day notice for Dunkerque, login 65714 TCKO. (RB)

12486 WRYL: M/V Green Ridge 1850 ARQ U.S. flagged 12,891 DWT dry cargo ship, w/tlx for ETA "CHS" pilot in heavy seas, login 11974 WRYL. (RB)

12487 ESOZ: Apparatichik 1329 ARQ crew TG's. (AB2) KP8C: M/V Nobel Star 1720 ARQ w/AMVER/PR, vsl bound Port Canaveral, FL to Ascension Island. UETF: M/V Sogo Chi Trader 1310 ARQ Russian 6,262 DWT dry cargo ship, w/tlx re arrival Balboa, ETA Mississippi River, login 55954 UETF. ATPN: M/V Hargobind 1909 ARQ Indigenous flagged 41,438 DWT bulk carrier (Shipping Corp India) w/tlx to ShipIndia for ETA S.W. Passage sea buoy, login 23590 HRGD. KNFD: ARCO Texas 1930 ARQ 91,393 DWT tanker, w/AMVER, posn 2040N/07947W. (RB)

12487.5 C6HZ9: MC Emerald/Singapore (both names used) 1333 ARQ tlx for spare parts. (AB) ELOW3: M/V St. Petersbugr Senator 0405 ARQ w/tlx. (WT)

12488 UJNNM: Anatoly Kolesnichenko 1238 ARQ crew TG's. (AB2)

12490 NGKK: USNS Pathfinder 1158 ARQ (T-AGS-60) Pathfinder-class surveying vsl w/BBXX wx obs via NMN. (RB)

12490.5 MVDX7: M/V Maersk Dorset 1217 ARQ 99,800 DWT tanker (Maersk Co), w/BBXX wx observation. 9HNW4: M/V Imperial 1600 ARQ 68,676 DWT bulk carrier, w/tlx for ETA Victoria pilot station, login 22099 IMPR. VTFF: M/V Maratha Mission 2155 ARQ 76,905 DWT bulk carrier, w/posn, 1343N/09637W. (RB)

12492 EQPX: MV Iran Ghoddosi 1752 ARQ sc mcpv co/ch a9m. EQJO: MV Iran 1827 ARQ sadoughi tlx tcf via a9m (BvR)

12492.5 FV Coimbra 1745 ARQ clq OPR+? ship 51816 (BvR)

12493.5 P3FA5: M/V Nirvana 1628 ARQ Cyprus flagged 35,529 DWT bulk carrier, w/tlx to Bravmar Athens. (RB) P3PC3: M/V Itkinos 2345 ARQ w/tlx, eta Balboa. (WT)

12494 PESF: MV Holland Klipper 1028 ARQ pos rpt 120 m zzw Cadiz (BvR) P3GW6: M/V Mor Canada 2230 ARQ 14,490 DWT container ship w/tlx tcf. (RB)

12495 UICJ: TK Pobeda 2155 ARQ Russian flagged 67,999 DWT tanker (Novoship) w/admin tlx to Novorossiysk Radio from master KM Veretenichev, login 54834 UICJ. (RB)

12495.5 SQEB: M/V Huta Zgoda 2216 ARQ Polish-flagged 14,176 DWT bulk carrier (Shortram/Polstrom) logging off after getting msg, login 43262 SQEB. (RB) SQHR: Atria 0410 ARQ w/tlx. login 43122 sqhr. SNVP: M/T Foka 0432 ARQ w/tg's in pp. login 43291 snvp. (WT)

12496 VCLM: M/V Arctic 1211 ARQ w/BBXX meteo obs via Canadian CG, Halifax. (RB)

12496.5 3FDQ3: La Bonita 2337 ARQ w/AMVER/PR, ETA Yokohama, Japan, vsl is 22,308 DWT container ship. (RB)

12498.5 ZSUY: MV S.A. Waterberg 1832 ARQ obs to meteo Pretoria via zsc63. (BvR)

12500 IBJG: M/V Orinoco 2221 ARQ w/tlx to Itamar, Genova re ETA Valparaiso. (RB)

12501.5 UNID: M/T Antiparos 0508 ARQ w/tlx, anchored Puerto Miranda Roads? login 16755 anpt. (WT)

12502 P3TJ2: M/V Tilemahos 1746 ARQ Cyprus flagged 34,203 DWT bulk carrier w/tlx re bound to loadport, Galveston. ATSR: M/V Rani Padmini 2210 ARQ 96,384 DWT bulk grain carrier w/tlx to Ship India w/posn 2943N/04018W, ETA SW passage. (RB)

12503.5 ELMW4: M/V Clarisse Venture 1656 ARQ 60,985 DWT bulk carrier, w/posn
WUNhv02
3205N/07319W, via WLO, login 25002 ELMW4. OWGU2: Charlotte SIF 2330 USB 4,486 DWT dry cargo vsl, w/admin tlx's, vsl has cargo of 4200 steel billets, login 85375 OWGU2. (RB)

12505 WMLH: M/V Tillie Lykes 1707 ARQ U.S. flagged 37,167 DWT container ship (Lykes Bros) w/posn tlx 3355N/07647W. KNCX: SS Chelsea 1835 ARQ w/tlx: re departed Port Everglades, ETA Aransas Pass, login 10725 KNCX. (RB)

12508 3ELF9: M/V Doctor Lykes 1643 ARQ w/noon report tlx, posn 3855N/07406W, ETA Ambrose pilot. YLBR: TK Klements Gotvalds 2150 ARQ Latvian 39,810 DWT tanker w/req for times of wx broadcasts from master, KMD Safannov. P3LT5: M/V Velos 2232 ARQ 61,520 DWT bulk carrier w/tlx to Oceanroutes San Francisco re arrival Rio Grande, ETA Paranagua, B. (RB)

12510 38GY4: M/V Western Falcon 0715 ARQ w/tlx for ETA Vancouver, this is app the ex-Spraynes. C6LU6: M/V Swan Hill 1724 ARQ 27,146 DWT bulk carrier (Swan Shipping) w/posn tlx 4293N/6425W, ETA "Three Rivers", login 26824 SWAHIL. SXLS: M/V Sporades 2121 ARQ 66,895 DWT tanker w/list of supplies needed at Nola, login 17047 SPOR. P3LZ4: M/V Amami 2305 ARQ 40069 DWT bulk carrier w/loading rotation report tlx, login 56373 AMAMI. (RB)

12512 USEZ: TKH Znamya Oktyabrya 1635 ARQ w/login for msg ck, login 54850 USEZ, later sending crew TG's via Mariupol Radio. URMA: TKH Skvortsov Stepanov 2120 ARQ Ukrainian 7,347 DWT dry cargo ship, w/admin msgs to Mariupol Radio from master KM Krotenko. URCM: TKH Dobrush 2359 ARQ 28,160 DWT Ukrainian bulk carrier w/posn 6556N/11215W, crew TG's (MU/UMF) via USU. (RB)

12523 YLBY: TR Akademikis Artobolevskis 2185 ARQ Latvian reefer/carrier w/posn report to Riga Radio, 1820N/06747W. (RB)

12557 TCLR: MV Kekova 1823 ARQ clg TAH (BvR)

12561.5 UWHG: TSM ORLIK 0929 RTTY 50/170 admin from Km Sviridov to UIW. UAMB: BMRT KOKAND 0804 RTTY 50/170 crew TGs via UIW. UCDR: TKH IVAN SKURIDIN 0735 RTTY 50/170 tcf for Kholmsk via UAT. (vsl may be ex J8HL8/UVEK but used UCDR in tape). (HOOD)

12562 UBKT: BMRT Vozrozdenie 1835 RTTY 50/170 Russian long range/endurance large freezer/trawler w/raboty (wx) report from master KM Boluchevskiy. USRV: BATM Marshal Yeremenko 2055 RTTY in 50/170 admin tcf to Murmansk Sevryb using hull#ID MA-0064. (RB)

12563.5 UNDE: TSM OSTROVETS 0932 RTTY 50/170 crew TGs to UIW. UBCI: RTMK5 KURSKAYA KOSA 0712 RTTY 50/170 crew TGs to UIW. (HOOD) YLGL: TR Selderi 1815 RTTY 50/170, Latvian 12,280 DWT reefer (Riga RTF) in RYRY/DE to UIW, & w/admin tcf. ESMI: TR Bukhta Omega 1948 RTTY 50/170 Estonian reefer/fish carrier w/RYRY/DE to URL, Sevastopol Radio, & w/crew TG's (SV/HRP) app is ex-UQYR. (RB)

12565.5 MV Bolero 1625 ARQ tlx to Venice via sab, ship 29645 swe no. MV Camb 1404 ARQ x pos rpt ship no (swe) 29469 (BvR)

12566 UFHN: BMRT VLADIMIR BRODYUK 0945 RTTY 50/170 admin from Km Tsuranov using hull number MB-0021 to UDK2. (HOD) UWAO: BMRT Tsemesskaya Bukhata 1858 RTTY in 50/170 crew TG's (NVR/KRH). UHCF: BMRT Novoukrainka 2100 RTTY 50/170 w/admin tcf to Kerch from master KM Kuniche. (RB)

12567 USUR: TKH CHELEKENSKIY 0649 RTTY 50/170 msg to Krasnovodsk via UGC, the RY tape was reversed as "RUSU ED CGU". YLKK: TKH MANGALSALA 0933 RTTY 50/170 crew TG to Kaliningrad via UAT Moscow Radio. YLEK: KARLIS BUDE (BMRT 490) 0720 RTTY 50/170 admin to RIGAS ZWEJNIECIBA from Km Shchevibina via UQK. (HOOD)

12569 N/A: MB-0007 0941 RTTY 50/170 admin to MURMANSK BVC SEVRYBA via UDK2. (HOOD) I show this as UPSP, BMRT Nikolay (or Ivan) Zakorkin -RD

N/A: MB-0015 0934 RTTY 50/170 crew TGS and admin to MURMANRYBPROM
from Km Voytikh via UDK2. (HOOD) (I show this as UHLW, BMRT Leonid Novospasskiy -RD) UGMS: BMRT Kapitan Smelov 2135 RTTY 100/170 Russian long range/endurance large freezer/factory fishing trawler w/admin TG's for berthing Las Palmas in somewhat rare 100 baud, note change from "RTMS" designation to BMRT. UCSA: RTMS Eysk 2159 RTTY 50/170, Russian super fishing/trawler/super freezer, w/ fish catch/report w/fish in tons, fol by C54 report to Novorossiysk Radio from master KM Bezborodov. (RB)

12570

UAQY: SERGEY MAKAREVICH (MB-0017) 0926 RTTY 50/170 admin to MURMANNYBROM via UDK2. vsl is ex UYAC. (HOOD)

12570.5

USJ2: PB Sergey Vasilisin 2123 RTTY 50/170 crew TG's to Murmansk Radio (MRM/KRH). (RB)

12572.5

EOJF: RTMS BAGRATIONOVSK 0729 RTTY 50/170 admin from Km Pankov to UIW. Vsl c/s in ITU is UAME but old call in ry tape. (HOOD) 
UUUB: RKTS Marshal Sudets 2110 RTTY 50/170 w/admin TG from master KM Kazurov, also sends tcf for UZNV, RKTS Konstrktor Kovliv to Interryflot from Km Kracha. UNNI: RTMS Chernyasheev 2218 RTTY in 50/170 admin TG's to K-grad (KLD/MRH) from master KM Maryev. USYQ: PB Baltiyskaya Slavia 2254 RTTY 50/170 Ukrainian 'Floating base' or Plavuchaya Baza (PB), w/TG's to K-grad. (RB) SQGKX: M/T Otol 0017 ARQ wkg spw Warsaw, w/tlx in pp. (WT)

12573.5

UYTB: RTMKS Rybak-I 2303 RTTY 50/170 Ukrainian Super stern ramped fishing trawler/freezer w/admin tcf to Kaliningrad from master. (RB)

12574

UVE2: RTMKS Leonid Galchenko 2110 RTTY 50/170 crew TG's using hull ID MAh1821 after RYRY/DE to UDK2. UQQT: RTMKS Paval Kutakhov 2134 RTTY 50/170, w/admin TG's using hull ID MA-0019 (MRM/KRH) to Murmansk BVC from KMD Gutskalov. (RB)

12574.9

EMJW: SOVSHIP "NOVODRUTSK" 0820 RTTY 50/170 w/Vladivostok. (RH2)

12576

USXH: TKH IVAN PROKHOROV 0930 RTTY 50/170 admin to Izmajl from Km Katan via USO5. Vsl is ex UOVS. (HOOD) 

12577

GMDSS FREQUENCY 1140 GMDSS 100/170 4 packets. Lyngby Radio clg itself. Unid British ship (233599000) clg Lyngby for apparent test. (DW) P3CK6: M/T Ojars Vacietsis 2307 ARQ 16,400 DWT tanker w/QSL for SVC-1. (RB)

12578.9

UFZ: Vladivostok R, RUS 0830 RTTY 50/170 w/tfc for various ships. (RH2)

12579

KFS 1203 0318 ARQ NRV Guam Several msgs including one to a Japanese crew. Very good signal strength here in Mich (LB2) (KFS 1203 would be Palo Alto Radio 'KFS' on ch.1203 12580.5 not NRV...LOGS) 

NMF: USCG Boston, Ma UTC? FEC wx/hydrolant/fax schedule s-7. (RT2) 9VG80: Singapore Radio 1532 tlx tcf (BvR)

12580.5

KFS: San Fran Calif 1320 FEC 100/170 Ch 1203 ships tcf. (RT2)

12583

HPP: Panama Intelmar Radio, 0320 ARQ selcalls MQIS, RERE, VB5Y, then CW ID w/"HPP MTX" for maritex service ID. (RB)

12587

EAD: Madrid 0100 ARQ w/traffic list of calls waiting. New. (FH)

12593

KFS: Radio Alto Radio, Ca 1813 ARQ seedsal selcall TPMV (00540), then FMVU (38402), which is M/V Sonja B., V2GT. (RB)

12593.5

9VG: Singapore 1240 ARQ w/ready signal, CW ID. (FH)

12597

SPB: Szczecin radio 1305 FEC tcf lst (BvR)

12598

SPA: Gdynia Radio 1650 FEC tcf lst (BvR)

12601

IAR: Rome 2140 ARQ w/ready signal, CW ID. (FH)

12602.5

IAR: Rome Radio 1449 ARQ WW ICUT ship 20795 (BvR)

12603.5

SVS: ATHENS RADIO 1318 CW Marker "de SVS" and tuning mark. (DW)

12607.5

WWU: Slidell Radio, La, US 0116 ARQ w/"Globe" unique sitor free signal. (RH2)

12610.5

VCT: Grand Banks Radio, CA 0110 FEC w/tfc list. (RB)

12615

USU: Mariupol Radio, UKR 0003 ARQ wkg URCM, TKH Dobrush, w/msg to 0018. (RB)

12621.7

Unid: Coastal station 1900 ARQ SS to ship, logged previously 2200. (FH)

12623

Unid: Coastal station 1856 FEC also 2200. (FH)

12625.5

UCE: ARKHANGELSK RADIO 0715 ARQ tcf to TKH MIKHAIL CHEREMNYUK using new call UCMQ (ex UJDR) and 0730 ARQ tcf to UWGB: TKH PLESETSK. This vsl c/s changed to UCMM in ITU but still using old call. (HOOD) 

12632.5

UGC: St. Petersburg radio 1550 ARQ tcf to uyqo (BvR)

12647

LPD: GENERAL PACHECO RADIO 1753 FEC Marker "LPD" & tuning bursts. Tfc list in fec for ARQ service at 1903z advises qsl in 4 8 12 and 22 mhz. (DW)
12649.5 XSG: Shanghai radio 1738 ARQ cw marker (BvR)
12661.5 UMV: Murmansk radio 1511 RTTY 50 rryryry (BvR)
12697 UTW: 1505 RTTY 50 (Mariupol Radio hLOGS)
12730 NMC: 0355 FAX USCG Point Reyes, CA w/500mb Analysis (MS5)
12835 USAF: 1330 RTTY 50/850 w/KAWN wx messages in abbrev EE. (FH)
12858.6 KPH: SAN FRANCISCO R, USA 1500 FEC w/charges & tcf 11st. (RH2)
12897 BJ2: Wuhan Meteo CHN 0900 RTTY 75/425 wi CQ DE BJZ20/21/22/23/24/25
12920 UTW: 0355 FAX USCG Point Reyes, CA w/500mb Analysis (MS5)
12942 RKLM: ARKHANGELSK RADIO 2014 CW Marker "4LY de RKLM qsx
8367.5/12551.5 k". (DW)
12962.7 CSS: Santiago 1600/1730 RTTY 100/850 wx in SS from "CEMMETEOVIRMA" to
YMZH meteorologi "MARITLOS VALP", so YMZH location indicator must be in
Valparaiso. CSS formerly 12961.5. (FH)
13031.2 FUW: FN Fort De France UTC? RTTY 75/756 RY/SG/0h10 one stopbit. (RT2)
13042.5 FUV: Jibuti 0200 RTTY 75/850 VVV de FUV, strong. (FH)
13365.6 Unid: 1245 PICCOLO. (MC)
13367.5 RETZCP**: Guardia Civil, Las Palmas 1126 ARQ 100bd/400 c/q "TXXX"
(MC)
13376.7 Japanese Embassy,??? 1635 ARQ Calling selcal "BQQQ" then short
opchat. (MC)
13385 Unid: 0810 FIB RTTY 75/170 10 bit asynchronous system, not ASCII, not
ITA-2 (ANEU)
13425.2 Unid: 2010 ARQ idle (MC)
13437 MPF***: Portuguese Navy, Lisbon 1459 RTTY 50bd/850 "rpti de rpf
ryr... from all the bottles in..." (MC)
13440 YZI235: TANJUG News, Belgrade 1136 RTTY 50bd/400 NXY in EE (MC)
13501.7 GLW?: Northwood 1417 RTTY 100/850 RY's then VMTCZH BH, & encryption.
(FH)
13506.7 Egyptian MFA, Tripoli 1005 ARQ 5 LGs "from boustan tripoli" (MC)
13508.2 Unid: 1630 PICCOLO unable decode. (RH2)
13510 CFH: Halifax, NS, CAN UTC? RTTY 75/571 wx 1.5 stopbit went to wefax
at 1900. (RT2)
13515 MKD: RAF Akrotiri, Cyp UTC? VFT 50/356 very weak. (RT2)
13536.2 Russian Mil,?? 0747 MS5 12 tone vocoder (3300Hz pilot). (MC)
13545.2 PCW1: Dutch MFA, DenHaag 1809 ARQ w/CW "pcw1" marker plus SITOR
phasing bursts. (MC)
13580 HMF36: Pyongyang 2130 RTTY 50/250 RY's then APA nx starts// HMF52 on
11476. 13580 stronger. (FH)
13580 Unid: 2002 VFT 2ch VFT Picc 6tone both stdby (KN)
13593.7 RFFA: MOD Paris, F 0038 ARQ-E 192/363 controle de voie tcf (RT2)
13597 JM4H: Tokyo Meteo 1055 FAX 120/576 wx map (EW)
13665.2 6UV073: Dakar 1652 RTTY 50/170 meteo msg.s, CQ's/RY's, then "DEBUT
OUVERTURE SELECTION". (FH) (13665.3) 6UV073: Dakar, SEN 1930 RTTY
Various African locations. (JD2)
13734.1 5YD: AFTN Nairobi, Kenya 1645 RTTY 50/400 test tape only. (JD2)
13816 SPT443: POL-MIL Warszawa (?) 0700 RTTY 50/500 PAP-news to SPF219
(possibly POL-UN forces Golan Heights) + CW (ANEU)
13845 Russian Diplo,?? 1400 CROWD-36, tcf (MC)
13852.2 Unid: 1704 MS5 12 tone vocoder (3300Hz pilot) (MC)
13853 'V5G': MFA Bucharest 1340 ROU-FEC 146.48/495, circular messages w/bit
inversion. (ANEU)
13853 Russian Diplo,?? 0727 CROWD-36, tcf (MC)
13877 DoSC Moscow 0700 RTTY 75/500 ry + messages to 'RAU' (ANEU)
13894 Unid: 0729 RS-ARQ 240.1bd 8 tone tcf (MC)
13896.5 Unid: 1131 RS-ARQ 120.0bd 170 tcf (MC)
13903 BND,D 1038 ARQ-E 96bd Encrypted traffic (AB)
13942 Russian Diplo,??, 1333 CROWD-36, crypto (MC)
13966.4 ICRC, Khartoum 1108 PACTOR-11 200bd/200 MSGs to Geneva in EE. ICRC,
Tbilisi 1042 PACTOR-11 200bd/200 MSGs to Geneva in EE (MC)
13974.7 ICRC, Geneva 0816 PACTOR-11 200bd/200 MSGs in EE & FF to Uganda. (MC)
13985 Russian Mil,?? 1912 81bd 110bd 40.5bd/500 tcf (MC)
13995.9 Unid: 1250 RTTY 50/250 "BAR 1/148 BAR BAR BAR 1/148, RY's, then
5LG's. At 1305 off w/QRU SK, quite strong, suspect Havana. (FH)
(Ary sez yes, SOUD Havana, Cuba w/msg to "BAR" -LOGS)
14001 DE ZYD11 SXDTIS PARA ERMBRA 1535 RTTY 50/850 GR 50 DGMM-550 A
CAPITULO 7 A EXERCISE, many repeats of the exercise by Brazilian
14677  DFZG***: Serbian MFA, Belgrade 1959 RTTY 75bd/400 crypto after "ababababab" (MC)

14690  GYU: RN Gibraltar 1752 RTTY 75/850 testing (DG)

14703.7 Unid: Germany 1230 (VFT) 3xFEChAh96/85, 5LGs on all 3 channels, same station as on 14430.7 (ANEU)

14719  OST: Ostend Radio Belgium 0820 FEC tfc list (EW)

14722.1 Unid: 1445 UNID 150 bd/850 UNID FSK System, sync, No ACF (MC)

14742.5 Unid: 0813 RTTY 50/850 very weak signal. poss fr. text (EW)

14759.3 RFQP: FF Jibuti 1705 ARQhE3 200/400 CdeV (DG)

14780  Unid: 0854 RTTY 75 E Eur nx (BvR)

14794  Russian Mil, ??? 1134 81-81 81bd/500 tfc (MC)

14799.3 Unid: 0850 RTTY 150 encrypted (BvR)

14801.7 RFVI: FF Le Port Reunion 0802 ARQ-E3 100/425 idle (EW)

14806.7 Egyptian MFA, Cairo 1608 ARQ ATU-80 MSGs to Tunis, Beirut, Riyadh etc. (MC)

14809.9 OMZ: Slovak MFA, Bratislava 0712 RTTY 100bd/400 NX and diplo circulars in Czech (MC)

14820  DoSC Moskva 1555 Maziella 6-tone calling E&W242, no joy (ANEU)

14831.9 IIEEX***: Italian????, ??? 0815 PACKET 300bd MSGs to BBS (MC)

14850  Unid: 0843 RTTY 75 E Eur nx or mgs (BvR)

14855.3 DOR: Mfa Sofia 0831 RTTY 150 ryr, ryr, ryr, ryr, mgs to var emb. (BvR)

14881.7 Egyptian MFA, Cairo 1948 ATU-80 tfc (MC)

14894  Russian Mil, ??? 1446 81-81 81bd/450 tfc (MC)

14909.7 Egyptian Embassy, Tunis 1116 ARQ ATU-80 MSGs "jg hlvp" to MFA Cairo. (MC)

14912  DFZG: MFA Belgrade, Yug 1413 RTTY 75bd NX. (AB)

14912.5 SOO291: PAP NX Warsaw 1745 FEC pp nx (DG)

14923  Xinhu Beijing 0747 RTTY 75/850 EE nx (EW)

14926.7 [RFTJ]: FF Dakar 1448 ARQ-E3 192/400 8rc. Betas. No tfc. Fading. (DW)

14927.6 RFFAB***: French MOD, Paris 1421 ARQ-E3 192bd/400 5LGs (MC)

14943.7 Egyptian MFA, Cairo 1119 ARQ selcalling "KKVB" (Embassy Addis Ababa). (MC)

14970.4 MFA STOCKHOLM 0839 ARQ-SWED 100/400 22chb. Tfc in Swedish to Ankara (Svensk Ankara). (DW)

15021  AFE: Cape Canaveral, FL 1320 RTTY 75/850 encryption as usual. (FH)

15022.8 Unid: 1430 RTTY 75/855. (RT2)

15026.7 Egyptian MFA, Cairo 1248 ARQ ATU-80 MSGs to various embassies (MC)

15318.5 BAA.. Beijing Meteo 0900 RTTY 50/850 w/id tape & synoptic wx (ML2)

15636.7 RFTJ: Dakar 2013 ARQ-E3 200/400 idle, C.I. DK3 to Jibuti (see 19145.7 also). (FH)

15636.7 RFTJ: FF Dakar SEN 0840 ARQ-E3 200/400 w/c de V to RFQP cct id DKJ. (ML2)

15647.2 PCW: The Hague? 1855 ARQ Dutch msqs to 1900, idle to 1930. Other times Twinpex. (FH) (yes this should be PCW1 - LOGS)

15652  SNN299: MFA Warsaw 1233 POL-ARQ 100 5 fgs (BvR)

15662  Unid: 0745 RTTY 100/850 encr text (EW)

15701.7 Chinese Diplo, ??? 0730 4+4, idle (MC)

15721.5 CJL***: Israeli Intel, Jerusalem 0720 ARQ-E 96bd/340 5LGs and opchat to CJL (QSS 13387kHz) (MC)

15724  DoSC Moskva 0829 RTTY 75/500 link ID 80038 w/5LGs to 'RPO' (ANEU)

15729  PCW: Dutch MFA, DenHaag 0749 TWINPLEX-4W 100bd/170 5LGs "van: buza aan: kwe" (MC)

15729.3 PCWL: MFA Den Haag 1502 ARQ " 30520 buza nl +" (BvR)

15734  Hanoi 1000 RTTY 50/425 VNA press -Nx in FF (MS4)

15770  Deutsche Welle relais Trincomalee 0821 RTTY 100, ryr, ryr, ryr, ryr, ryr (BvR)

15772  SPT443: POL-MIL Warszawa(?) 0700 RTTY 50/500 PAP-NX to SPF219 (ANEU)

15790.2 Unid: 0915 FAX 120/576 euro wx faxes (DG)

15801.5 Indonesian Emb Bangkok THA 0200 ARQ w/msqs ex Bangkok & Yangon (ML2)

15811.7 Italian Diplo/Mil, ??? 0754 UNID 1200bps FSK UNID System, opchat in USB voice (MC)
15821.9 SAM: MFA Stockholm, S 1405 SWED-ARQ 100bd Messages (AB)
15832.9 V5G***: Romanian MFA, Bucharest 1450 ROU-FEC 164.5bd/400 Passport requests (MC)
15845 Unid: 0740 81-81 unk (EW)
15846 GYA?: Northwood 1350 RTTY 100/850 RF's then encryption starting w/VW/GTC/CH BHH. (FH)
15847 TAD: Turkish MFA, Ankara 0908 FEC-A 144bd/850 5LGs and MSGs in TT to Lahore, Riyadh (MC)
15858.5 Unid 1700 ARQ-E 96 Unid. German diplo w/encryption. Many total fades out (RM)
15860 RFFX: MOD Paris, F 1020 ARQ-E 96 idle (MS4)
15861.7 RFFXCCS: Centrans Favieres 1200 ARQ-E 96 w/kg RFFXIV, Centrans Bangui w/ckt tests, propagation reports and ionospheric activity reports (ANEE) Unid: 1057 ARQ-E 96/400 idling (DG) RFFXCCS: 0750 ARQ-E 96/400 Favieres F w/le bricks tape & ZFQ (freq shift) msg to RFFXIV ccid XXW (ML2)
15861.9 SAM: MFA Stockholm 1118 SWED-ARQ 100 clr tfc. At 1230, irs mode. (BvR)
15915.5 British Mil,?? 1136 Piccolo-12. crypto (MC)
15918.7 CFH: Halifax, NS, CAN 1500 RTTY 75/1280 usually 75/850 here. (FH)
15920 8wd: MFA Delhi, India 1050 RTTY 50/425 test tape "this is the time for all good men to come to the aid of their country" is a quote by Thomas Jefferson, 3rd President of the U.S. & U.S. Declaration of Independence signer...odd to find it on an Indian MFA tape! -LOGS)
15928.2 Italian Diplo/Mil,?? 1202 FSK/1200bd opchat in USB voice. (MC)
15929.7 ERMBRA (probably PwX33) 1330 RTTY 75/850 series of 25 msgs in PP to ZV/D13 in military exercises, then repeat of msgs. (FH)
15942 MFA Bratislava, SVK 0950 RTTY 100bd Nx. (AB)
15969.2 San Jose' 1345 ARQ Dutch embassy idling. (FH)
15986.5 CLP1: Havana 1245 RTTY 50/500 w/SS typical "we shall overcome" soliloquy. (FH)
16013 CLP44: Harare 1320 RTTY 75/500 relaying EMBACUBA COREA msgs in SS to CLP1, Havana. (FH)
16019.5 Unid 1328/1559 ALIS 228.5/170 w-4100 can't decode this mode. (RM)
16031 CLP1: Havana 1322 RTTY 75/480 w/EE nx to 1325, the to CW to supply corrections, etc. (FH)
16035 Kyodo Japan 0735 FAX 60/576 text in JJ. (EW)
16042 AAA3USA: (Ft. Meade Md.) 1200 PACKET USA MARS clg AEM1USA (Heidelberg Germany) (RM)
16062.7 Egyptian Embassy,?? 1418 ARQ 5LGs to MFA Cairo (MC)
16078 T3N: French Emb Beijing 0840 FEC-A 192/850 w/5LG's (ML2)
16087.7 RFVII: FF, Le Port, Reunion 0733 ARQ-E3 100/425 idle (EW)
16091.7 Egyptian Diplom,?? 1557 ARQ ATU-80 MSGs acks to MFA Cairo. (MC) Unid 1347 ARQ idling & QRT 1349. (RM)
16098 HBD20: MFA Berne, Switzerland 1925 ARQ w/very long 5LG msg. (JD2)
16100 Russian Mil,?? 0753 81-81 96bd/500 tcf (MC)
16106.8 SAM: MFA Stockholm 1554 SWED-ARQ w/tcf to Mexico. (RM)
16112 Unid: 1206 ? 50/260 unable decode. (RH2)
16118 HBD20: MFA Berne 0900 ARQ 5 LG's (DG) MFA BERN 1400 ARQ Tcf in offline encryption - to Havana. (DW)
16125 RFQP: Djibouti 0915 ARQ-M2/200 idle. (MS4)
16128.5 British Mil,?? 1737 Piccolo-12, crypto (MC)
16129 M4W: Mossad Tel Aviv 0821 RTTY 75/350 chatter/prosigns (DG)
16134 CLP: Cuban MFA, Havana 1527 RTTY 75bd/500 NX in SS ends "embracuba" or "minrex" (MC)
16137.5 French Diplo,?? 1138 TT2300b 100bd tcf (MC)
16143.7 RFL1: French Forces, Fort de France, Martinique 2155 ARQ-E3 in 192/425 idling. (RH2)
16151.5 Unid: 1210 PICCOLO loud, noisy & strange sounding PICCOLO! (RH2)
16178.1 MFA Prague, CZ 1213 RTTY 96/400 w/nx/Czech, unlisted. (RH2)
16180.1 Unid: 1220 PACTOR unable decode, unlisted. (RH2)
16180.5 British Mil,?? 2116 VFT: 2ch of Piccolo-6, engineering ch idle (MC)
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16180.9 British Mil,?? 2117 VFT: 2ch of Piccolo-6, crypto tfc (MC)
16227.7 Unid: 1745 ARQ-E 96/400 idling (DG)
    UNID. 1210 ARQhE 96/400 rc=8. Betas (DW) (this has been an unid
    for some time hLOGS)
16256.1 GFH: RAF Kai Tak HKG 0950 PICCOLO w/ svce msgs to VHC  (ML2)
16257.7 DoSC Moskva 0835 RTTY 75/500 link ID 90051 w/SLGs to 'RJA' (ANEU)
16261.8 RFTJD: FF LIBREVILLE, GAB 1310 ARQ-E3 192/390 w/ZFX IAH444 (cid) to
    Paris. (RH2)
16270.1 Unid: 1558 RTTY 75 scramble mfa Prague? (BvR)
16274.6 GXQ: British Army, London 0958 VFT: 4ch of 50/170 Baudot (6028
    Config), "iryiry test de gxq" (MC)
16278.6 7RQ20: Algerian MFA, Algiers 1422 COQUELETh8 26.7bd MSGs in FF to
    Khartoum (MC)
16280.2 RFPA: MOD Paris 0727 ARQ-M2 200/425 idle (Ew)
16286. LGOS***: French E, Lagos 1023 ARQh6-90 200bd/400 "sv dipl de lgos"circuit
    LGSX (MC)
16295.1 Unid: 0610 RTTY 75/400 headers/encrypted tfc (DG)
16302. DFZG: Mfa Belgrade 1420 RTTY 75 encrypted ending w/"HR QRU TKS 73 SK
    SK 412 PSE NW QRZ A TKS @@ SK@@" (BvR)
16315.7 7RQ20: Algerian MFA, Algiers 1444 COQUELETh8 26.7bd Opchat collecting
    MSG acks fm various embassies (MC)
16332.1 WSG: MFA Bucharest 1040 ROUhFEC 164/400 diplo tfc (DG)
16339.7 'Elefante': ITALMIL Roma 0703 USB + PSK 1200 (ANEU)
16352.1 CLPI MFA Havana CUB 1733 RTTY 75/470 same circular as sent 3 1/2 hrs
    earlier on 14449.2. was to Embacuba Guiana (RM)
16685.5 K3LV: M/V Sea Lion 1618 ARQ U.S. flagged 34,100 DWT container/Ro-Ro
    ship (Crowley), w/tlx to Inchcape Philadelphia. P3LY2: M/V Golden Sky
    1655 ARQ 30,449 DWT bulker w/company tlx, login 56194 P3LY2. UNSW:
    TKH Kapitan Bukmakin 2016 ARQ w/tlx re cargo of fishmeal & nitrates,
    login 66191 UNSW. (RB)
16687. CUOP: M/V Smyrna 1526 ARQ 41,070 DWT bulk carrier, w/att to send
    DIRTlx tlx, login 27514 SMYRNA. (RB)
16688.5 6GH16: Atlantic 1951 ARQ crew/vsl in jeopardy from hurricane Bertha.
    (AB2)
16689. SS Green Valley: 0905 ARQ tlx to CTG Seven Three Green Valley sending
    an unclas message " weekly readiness report to ??? . Fuel status also
    reporting propulsion equipment & all supporting equip in state of
    readiness. May be a nuclear powered vessel ?? (MS4) (c/s KHAG, she is
    a steam powered (SS salutation) barge carrier (LASH) chartered to the
    U.S. Military Sealift Command as a prepositioned supply ship at
    Diego Garcia -LOGS)
16691. 3FCY3: T/N MSC Federica 1617 ARQ 23,942 DWT container ship, w/tlx to
    report repairs completed, back up to full speed, ETA to Wandelaar
    pilot, 42014 3FCY3. C6834: M/V Janice Aung 1635 ARQ 25,400 DWT bulk
    carrier, w/posn tlx 4216N/5717W, ETA New York, login 61406 JANICE.
    38862 Bg Express 2008 ARQ 12370 DWT dry cargo vsl bound to
    Rio w/tlx for repairs to be done. (RB)
16693.5 ELOC5: T/X SCF Spirit 1529 USB w/tlx in RR to Novorossiysk, QTH is
    Texas City, info about a 1988 Mercedes, master signs w/full name
    Sokolovskiy Valeriy Miaylovich. (RB)
16694. N/A: M/V Union Mercury 1328 ARQ 3,085 DWT dry cargo ship, w/tlx re
    sailed Cristobal, ETA Progreso. SZNU: M/V Trident Mariner 1459 ARQ
    30,088 DWT bulker w/schip's chandlers order for St. Johns, CAN. (RB)
16695. URFC: Berdyansk 0337 ARQ tfc for Mariupol. (AB2) URFC: M/V Berdiamsk
    0402 ARQ dirltx w/Mariupol. login 67814 urfc. (WT)
16696.5 DZAB: M/V General Cabal 1448 ARQ 12,100 DWT bulk carrier, w/AMVER
    tfc, login 26317 CABAL. (RB)
16699. C6KW8: Hato Arrow 1536 ARQ 38,635 DWT bulk carrier, w/ship info tlx,
    login 70127 HATO. LYBX: TR Kaptonias Domeika 1549 ARQ w/tlx for
    bunkers requested at Port Arthur. (RB)
16701.5 YLCZ: T/KH Akademikis Botszharos 2032 ARQ Latvian 7,496 DWT
    reefer/carrier w/tlx re arrival Balboa awaiting orders, also Riga
    DISP 'Sea'. (RB)
16707.5 SXHP: M/V Jewel-1 2121 ARQ 65,403 DWT bulk carrier, wkg Athens Radio,
    w/relay of msgs for SVDE, M/V Merini to Gold Union Piraeus. (RB)
16713.5 ELRI3: M/T Goodrich Bay 1350 ARQ 14,326 DWT methanol tanker, w/noon
    posn report, 3222N/7604W. (RB)
16716.5 UDXF: T/KH PROFESSOR KHLYUSTIN 1448 ARQ msg in EE & collecting
    Pagina 712
mailbox msgs from UFN. (HOOD)

16721 9HY24: M/V Keneta 1228 ARQ 2,150 DWT dry cargo vsl, w/posn 1136N/06622W, ETA to St George, Grenada. KPSB: SS Coronado 1456 ARQ U.S._flagged 40,995 tanker (Keystone) w/AMVER/FP for Jacksonville. (RB)

16771 UZTM: BIZON (tug) 0807 RTTY 50/170 msg in EE to SCAFI OFFSHORE NAPLES from KM Marilinskiy via UUI. (HOOD)

16793 Unid ship 1325 FEC relaying EE nx from Manila to 1335, ending "edited & passed by RAN/REBELDE NNNN" (ship received nx via satellite). (FH)

16799.5 LYEW: SOVSHIP "RKTS NIKOLAI AFANASEV" 0900 RTTY 50/170 w/K'Grad. UDAU: SOVSHIP "RKTS MORE SODRUVESTNA" 1328 RTTY 50/170 w/Sev'pol. UAAU: SOVSHIP "BATM KURASOV" 1235 RTTY 50/170 w/K'Grad (UIW). (RH2)

16801.5 UFZJ: RTMS Azimut 1640 RTTY 50/170 Russian Rybolovnyj Trawler Morilzhnyj (RTMS), or super fishing trawler/super freezer vsl, w/RKY/DE to UIW, K-grad, & into crew TG's (KLD/MRH). (RB)

16802 ULYC: SOVSHIP "KAPITAN MILOVZOROV" 1140 RTTY 50/170 w/Vladivostok. (RH2)

16802.6 UUTC: SOVSHIP "NEVRITONIJ" 1237 RTTY 50/170 w/Sev'pol. UZNC: SOVSHIP "RKTS KONSTRUKTOR KOSHKIN" 1005 RTTY 50/170 w/Sev'pol. (RH2)

16803 "Nid Ship 1757 FEC w/nx re PHL in EE (RM)

16803.6 UNMK: SOVSHIP "TH VOSTOK" 1335 RTTY 50/170 w/Sev'pol. (RH2)

16806.5 NMC: CAMSPAC Point Reyes, 1800 FEC Ca, US w/wx, high seas forecast. (RB)

16808 SPA: GDYNIA R, POL 1255 FEC w/tfc list. (RH2)

16810.5 FFL: St. Lys radio 1803 FEC tcf lst (BvR)

16817.5 KPH: San Francisco R, Ca 1920 ARQ w/tlx to '36556 CGGR' from Coolship. (RB)

16829 USU: MARIUPOL R, UKR 1319 ARQ w/tlx to BP London re "KOMSOMOLETS ARMENII". (RH2)

16830.5 UAT: 0400 FEC DE UAT radiohMoscowhh operating freq. + tcf list (MS4)

16844 VCT: Global Wireless Tors Cove 1710 FEC tcf lst (BvR)

16879 LZW: Varna radio 1250 FEC tcf lst (BvR)

16883 OST60: Oostende Radio, BEL 1216 ARQ w/sitor free signal. (RB)

16895.5 MGJ: RN Faslane Scotland 1956 RTTY 75/170 w/list of avail ch's. (RM)

17000 Unid 1951 RTTY 75/850 w/enc (RM)

17001.7 NNC: USCg CAMSPLANT Chesapeake, Va 2025 ARQ w/sitor free signal, CW ID, most likely set up here for USCg Eagle as this is not a regular sitor channel. (RB) NNC: USCg Portsmouth 1400 ARQ w/ready signal, CW ID. (FH)

17022.5 WLO: Mobile Marine Radio, 1838 FEC Al, US w/tropical wx outlook. (RB)

17055.3 MGJ: RN Fastland Scotland 1956 RTTY 75/170 w/list of avail ch's. (RB)

17106.8 Unid 1410 RTTY 75/850 encrypted. (RM)

17148.3 NMG: USCg CommSta New Orleans, La, US 1849 FAX 120/576 wefax, very good. (RB)

17241 'Elefante': ITALMIL Roma 0655 USB + PSK 1200, ARQ-E-96 X-talk from SISMI Roma 'WJI' on the signal. 'WJI' was transmitting on 13387 kHz; Q8X 14781.5 kHz (ANEU)

17432 DFZG MFA Belgrade YUG 1416 RTTY 75/400 encryption (RM)

17441.4 SYE: Nairobi Meteo 0707 RTTY 100/850 wx reports (EW)

17443 BZG48: Xinhua 1245 RTTY 50 fr nx (BvR) BZG48: XINHUA BEIJING 1126 RTTY 50/425 Marker "de BZG48 XINHUA Beijing" and ry's. Fm 1130 press in FF. (DW) BZG48: XINHUA News,Beijing 1227 RTTY 50bd/500 NX in FF (MC)

17452.8 Unid 1320 ?? ??? 75/190 unable decode, strong sigs! (RH2)

17520 HSW61: Bangkok Meteo 0710 FAX 120/576 wx map (EW) HSW61: BANGKOK
WUNhv02

METEO, THA 1325 RTTY 48/302 w/synop codes. (RH2)

17550.9 RFTJ: FF Dakar 1754 ARQ-E3 192 non protege mgs (BvR)
17556.7 Egyptian Emb Jakarta INS 0740 ARQ w/ATU-80 msgS (ML2)
17590 HZN49: Jeddah Meteo 0715 RTTY 100/850 wx reports (EW)
18002 Unid: 0718 FAX 120/576 wx map very poor copy (EW)
18016.7 Egyptian Embassy, Kinshasa 1120 ARQ ATU-80 MSGs to MFA marked "jg wg2zpjk" (MC)
18029.2 ZAIRE BANK CIRCUIT - KINSHASA/GOMA, ZAI 1005 RTTY 50/174 w/tfc/FF. (RH2)
18181 MFA ALGIERS 1357 COQ-8 Tfc (nx) in FF. (DW)
18203 P6Z: MFA PARIS, F 1205 ARQ 6h90 200/? unable decode. (RH2)
18212 9XK79: Deutsche Welle relay sta Kigali RRW 0830 RTTY 100/425 w/summary of Dw's ops, in EE (language varies) (ML2)
18277 8WB3: Indian HiCom Pt Louis MAU 0600 RTTY 50/425 w/5LG's to New Delhi. (ML2)
18278 IWB3: Lusaka Air 0915 RTTY 50/425 test tape de iwb3 ryryry (MS4)
18283.3 HBD22: Swiss Emb New Delhi IND 0230 ARQ w/ 5LG's & rpt of nx FF. (ML2)
18421 CLP1: Havana 1726 RTTY 50/500 w/circular 785 in SS foe embacubs. (FH)
18461.7 PCWL: Dutch MFA, Den Haag 1525 CW, "pcwl" marker plus SITOR phasing bursts (MC)
18529.3 Algerian Embassy, Damascus 1324 COQUELE-8 13.3bd diplo MSGs in FF to MFA mkd "vci off damas". 7RQ50: Algerian Embassy, Djakarta 1237 COQUELE-8 13.3bd Diplo reports to MFA Algiers (MC)
18532.9 Unid: Germany 0852 (VFT)3xFEChAh96/85, 5LGs on all 3 channels, same station as on 14430.7 (ANEU)
18552 V5G***: Romanian MFA, Bucharest 1035 ROUhFEC 164.5bd/400 crypto (Bitmask=18) + CW ID and call-up (MC)
18704.2 DG5706NS: PIAB NX Bonn 0846 FEC-A 96/400 GG NX (DG)
18712 BZR: 0945 RTTY 75/425 Xinhua press -Nx in EE (MS4)
18724.5 8WA3: Indian Emb Yangon MYA 0830 RTTY 50/425 c1g New Delhi w/QRU. (ML2)
18825 Unid 2014 ARQ selcalling, then EE msg to a senora, fol by many in unid language, poss Croatian, seemed to be from a ship (BI BI BI). (FH)
18956 DIPL***: French MFA, Paris 1045 ARQ6-90 200bd/400 IRS mode followed by "73 ar" (MC)

19011.7 PCWL: MFA Den Haag 1737 ARQ Persspiegel to Teheran (BvR)
19031.7 Pakistani MFA, Islamabad 1013 TWINPLEX-1N 100bd/400 (-200/-100/+100/+600), call "KMEU" (MC)
19052 8WB7: Indian HiCom Victoria SEY 0930 RTTY 50/425 w/msgS to 8WD3 New Delhi. (ML2)
19216.7 RFL1: FF Fort de France, Mrt UTC? ARQ-E3 96/504 controle de voie, encrypted msgS. (RT2)
19224 Unid 1250 RTTY 75/850 "C ON HR QSL CQ 8154...UM 73 VSKVVKOK. (FH)
19325.2 USAF 1745 RTTY 75/910 w/end of msg, at 1800 back on w/'KAWN' meteo wx in abbreviated EE, circuit ID xx79. (FH)
19356.4 APS: UTC? FAX 120/576 USAF AMS OMNEB strong sig. (RT2)
19400 VVD: 1100 RTTY 50/170 Delhi Meteo India (MS4)
19445 MFA Pyongyang KRE 0030 RTTY 50/1000 w/5FG's (ML2)
19622.2 OZU25: MFA COPENHAGEN, DNK 1310 ARQ synch pulses only. (RH2)
19642 Unid: 1400 RTTY 100/850 VVWVVVVVV. (FH)
19747.5 6VU79: Dakar Meteo, Senegal 1449 RTTY 50bd/400 AAXX wx for Cameroon land stations (MC)
19787 Unid: 0820 ARQ6-90 200/400 5 LG's (DG)
19802 P6Z: MFA Paris 0820 ARQ6-90 w/5LG's to Antananarivo (ML2)
20336.5 Unid: 1112 UNID 100bd/850 UNID FSK System (MC)
20950 BND NW-Germany 0900 ARQ-E 192/190 encrypted tfc., QSX 19856 kHz (ANEU)
22378 FFT91: ST Lys Radio 1500 FEC Qtc list then marker ""FFT" and tuning burst. (DW)
22390.5 FFT92: ST Lys Radio 1505 FEC Marker "FFT" and tuning burst. (DW)
22412 WLO: Mobile Marine Radio, Al, US 1859 ARQ wkg C6RT, M/V Celtic Sea w/tlx tfc. (RB)
22678.6 FFP? Fort de France? 1700 RTTY 100/850 onward. (FH)
23960.7 Unid: 1700 RTTY 100/850 onward. (FH)

=MARITIME=

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2438 OXZ: Lyngby Radio, DNK 1113 CW w/various vessels (AB)

2182 OXZ: Lyngby R 1704 USB Ann TFC list in EE & Danish. LGT: Tjome R Nor 2136 USB Ann navwng. LGD: Oerladet Nor 2136 USB Ann TFCLIST. LGZ: Farsund R, Nor 2137 USB Ann TFC on hand. LGN: Bergen R Nor 2140 USB Ann TFC on hand. GPK: Portpatrick R, 2203 USB Ann TFC list on 1883 (JS3) GCEW(?): Unid vsl 0555 USB clg unid station, sounded like STCICS. (RB)

2749 VAU: Yarmouth CG Radio, NS 0542 USB w/seastate forecast in EE/FF. (RB)

4098 3EWK9: M/S Fascination 0412 USB Carnival cruise line 70,000 GWT cruise ship clg/wkg WOM for passenger R/t tcf. (RB)

4125 ZKR: Rarotonga Radio Cook Is. 0640 USB wkg Unid ship. QSY to 4146 for posn report & wx/seastate report (AB3)

4131 3ESE9: M/S Sensation 0111 USB Carnival Cruise Lines 70,367 GWT cruise ship, clg/wkg WOG for R/T tcf. 3ETG9: M/S Royal Majesty 0201 ARQ Majesty Cruise Lines 32,400 DWT cruise ship clg/wkg WOM for R/T tcf. LAMU4: M/S Monarch of the Seas 0248 USB clg/wkg WOM using the shortened "Monarch" for R/T tcf. (RB)

4149 WBN6510: tug Sentinel 0533 USB clg/wkg WPE, Tug Communications, Jacksonville, FL, US w/posrep. WCX6371(?): tug Sea Racer 0536 USB clg WGY, Tug Communications, San Juan, PR, no joy. (RB)

4187 ODOK: m/v GEORGE 1230 CW w/HLG 11,321GWT Bulker (JSM)

4190 OSE5V: m/v Green Sea 0120 CW w/KLB enrt Seattle was passing the house/60db over S9! 11,315GWT Bulk Carrier (JSM)

4192 ELAW9: m/v Manila Bridge 1258 CW w/JOS 6,764GWT/Container (JSM)


4195 ELE3: m/v VAN TRADER 0609 CW w/HPP – transitting Panama Canal for Cristobal/18,003GWT Bulker (JSM)

4303 OXZ2: Lyngby Radio 2140 CW CQ (DG)

4342 SVS2: ATHENS RADIO 2000 CW Qtc list. (DW)

4366 FFL21: St.Lys Radio, F 0002 USB w/voice marker, notes from melody "Haute Garonne" played on a...concertina? (hand squeezer) & OM/FF "Ici St Lys radiotelephonique avec les navires en mer. Cette transmission est effectue au niv eau normal de parole pelmettre le reglage des recepteurs a bord (this is St Lys radio radiotelephone service for vessels at sea. This transmission is made at normal speech level to allow adjustment of ships receivers). Repeated. (RB)

4426 VIM Melbourne Radio 0830 USB w/wx tcf to the area. (AW)

6292 VRSP: m/v Taunton 1250 CW w/VIP @12-005/115-58E 95,853 GWT Bulker. (JSM)

6344 SVV3: ATHENS RADIO 2230 CW Marker "de SVV3/4/5/6 qsx 6 ch5". Periodically increments band and ch nr. (DW)

6376 WCC: Chatham Radio 2323 CW CQ (DG)

6421.5 FFL3: St. Lys Radio 2317 CW CQ (DG)

6444.5 SVS3: ATHENS RADIO 2223 CW wkg Tellia/SWUJ, sends tcf, revert to Marker "de SVS3". (DW)

6478.7 SVA3: ATHENS RADIO 2000 CW QTC list. (DW)

8176 WAW4789: Ocean Star 0149 USB wkg the treasure/gem exploration vsl R/V Treasure Box-1, WBN4290. (RB)

8198 UUES: MV Gorygne 1748 USB pp via gkt 42 (Bvr)

8225 ELKI6: M/S Fantasy 0420 USB wkg AT&T Coastal Station WOO w/conclusion of passenger R/T tcf, is Carnival Cruise Lines 70,367 GWT, cruise ship. (RB)

8234 3ESE9: Sensation (Cruise Ship) 2355 USB wkg WOM. 19N/80W (IB)

8237 NKZ1: USS Pennsacola 0000 USB wkg WOO with R/T tcf. (SF)

8264 CZMW: Unid vsl 0625 USB clg WLO, no joy. (RB)

8267 3EWJ9: Imagination (Cruise Ship) 2355 USB wkg WOM. (IB)

8270 J8IH3: 1642 USB clg Doha radio (Bvr) (M/V Sea Empress -LOGS)

8340 3FM2: m/v Amur No.2 1404 CW w/XSE re eta at Qinhuangdao 3,963GWT General Cargo vsl (JSM)

8344.5 3EYT2: m/v BLUE ONDO 1338 CW w/JOS @ 30-02N/122-55E 2,679GWT General Cargo (JSM)

8345 VRDP: m/v United Hope 0037 CW w/KPH 37,955GWT Bulker (JSM)

8346 HBDY: m/v YU MEN 1449 CW w/VRX - dep't Labuan / 5,408GWT General Cargo, BTHN: m/v FAN XIANG 1548 CW w/JOS - sailed Ishinomaki for Shanghai/998GWT Refrigerated Cargo vessel (JSM)

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8347 3FMN2: m/v FAREAST PILOT 1336 CW w/VRX - dep't Keelung at 2100 lt for Kao / 4,414GWT Gen Cargo (JSM)
8348 SXDJ: m/v Agamemmon 1501 CW w/JNA arrv'l Singapore 13,598GWT General Cargo (JSM)
8350 LYAF: M/V MARJAMPOLE 0715 CW rptg posn and wx w/eta for Garston via OXZ. (HOOD) DZDI: m/v NATIONAL HONOR 2332 CW w/KFS w/AMVER/OBS 40-40N/140-10W str 276deg @ 16.5 knots/ cw note pure a.c.! 13,680GWT Gen Cargo (JSM)
8351 YLAF: TK AINAZI 0725 CW msg to RUSSCHART HAMBURG via IAR after clg in on 8369. (HOOD)
8352 9HRX4: m/v Seaeagle 2313 CW w/HPP sld New Orleans for Panama 34,500 GWT Bulker (JSM)
8355 YDOH: m/v GARUDA MAHAKAM 1 1440 CW w/HSA re draft for river entry 3,534 GWT Tanker (JSM)
8358 BAWZ: m/v HUA SHA 1455 CW w/VRX re arrival / 3,843GWT General Cargo
8360 3ETA5: m/v GREEN MAYA 1453 CW w/KLB re bunkering delay 11,506GWT Bulk Carrier (JSM)
8375 UAPP: TKH VOLGO-BALT 126 0700 CW msgs to UCW4. Vsl is ex EUVN. (HOOD)
8380 J8HN2: m/v Hai Shun 1520 CW w/JOS re eta at Ishigaki 4,345 GWT Refrigerated Cargo Carrier (JSM)
8396.5 DVTQ: m/v CHANNEL ENTERPRISE 1249 CW w/JNA w/JASREP/17-00N/118-57E 77,304 GWT Bulker (JSM)
8448 A9M: Hamala Radio 1848 CW QSY (DG)
8457 OFJ: Helsinki Radio 1023 CW QSY (DG)
8483.5 DAN: Norddeich Radio 1020 CW QSY (DG)
8525 WNU33: Slidell, La CW wheel tape 26wpm qsx 4/6/8/12/16/22. (RT2).
8530 IAR: ROME RADIO 0843 CW wx in Italian then "cq de IAR forecast on 521.5 4292 8530 13011 17160.8 as" the Fleet forecast message in EE. (DW)
8541 LYL: Klaipeda Radio 0942 CW QSY (DG)
8557 SPE41: Szczecin Radio 0924 CW QSY (DG)
8570 UBO3: PETROZAVODSK RADIO 0720 CW msgs to UGWE: TKH AMUR 2506 & UTSR: TKH AMUR 2517. (HOOD)
8574 LGB: Rogaland Radio 1902 CW QSY (DG)
8580 RKLM: Arkhangelsk Radio 1850 CW QSY (DG)
8589 HPP: Panama Intelmars Radio, 0133 CW PAN, w/V, QSX marker. (RB)
8624 XSQ: Guangzhou Radio 1845 CW QSY (DG)
8651 HZG: Dammam Radio 1822 CW QSY (DG)
8686 CNP: Casablanca Radio 1818 CW QSY (DG)
8687 SVA4: ATHENS RADIO 0758 CW "de SVA t/fc list as". At 2005 CW QSY list. (DW)
8692.5 SVD4: ATHENS RADIO 2240 CW Marker "de SVD4". (DW)
8700 SVB4: ATHENS RADIO 2242 CW Marker "de svb3/4/5/6 qsx 12 ch 5". Periodically increments band ch nr. (DW)
8728 EHY: Madrid Radio, Greece 0328 CW w/QSY marker. (RB)
8740 OXZ: Lyngby Radio 1751 USB clg unid mv (BvR)
8746 SPO: Szczecin R 0644 USB pp (BvR)
8749 TAH: Istanbul Radio 1723 USB pp (BvR)
8773 SVN47: Athens Radio, Greece 0340 USB w/voice marker, YL in Greek w/ann of dial up services offered by Hellenic Telecommunications Organization (OTC) separated by a door bell like "ding dong", goes on for some time. (RB)
8776 SVN48: Athens Radio, Greece 0347 USB w/voice marker, YL in Greek w/ann of dial up services offered by Hellenic Telecommunications Organization (OTC) separated by a door bell like "ding dong". (RB)
8782 HEB18: Berne Radio 1720 t/fc 1st (BvR) KMI: AT&T Coast Station Ca 0503 USB w/kg vsl Rft Drift for R/T t/fc. (RB)
8788 SPC42: Gdynia Radio, POL 0347 USB w/kg vs1, Arctic Wave(?) in EE for R/T t/fc. HEB28: Berne Radio, SUI 0514 USB YL w/EE ID, & "no reply" several times. (RB)
8793 KMI: AT&T Coast Sta, Calif 0521 USB Point Reyes Ca, w/kg WBO3654, Spirit of the North for R/T t/fc; at 0522 w/kg VY8867, Luna for same; at 0537 w/kg WCR8449, New Hope for same; at 0549 w/kg Boa Contender for same. (RB)
8794 A7D: Doha Radio 1605 pp (BvR)
8803 5BA54: Cyprus Radio 0340 USB p/p unid vessel in Greek (AW)
WUNhv02

12290  XCMM: 2201 USB Unid Ship cgl Radio Mexico repeatedly for nearly 20 mins w/ no joy (RM)
12290  LAZB2: Nordic Challenger (oiler) 2307 USB cgl what sounded like Matraeso Prienta. Contact made at 2315 (RM)
12356  WBT9121: M/V Gulf Majesty 2038 USB Gulf Fleet Marine offshore boat/tug, wkg unid station. (RB) WSC9756 Rsrch Vsl Stewart (Stuart?) Johnson 1905 USB wkg unid coastal sta. (RM)
12422.5 DZUV: m/v HANDY EXPLORER 1729 CW w/WCC w/AMVER/23h17N/85h23W str 255deg @ 11.9kts/ 20,232GWT Bulk Carrier (JSM)
12425  3FOA3: m/v Diamond Leaf 0451 CW w/P2M re Kimbi eta 3,952GWT General Cargo vsl (JSM)
12426  ATQQ: M/V STATE OF MANIPUR 0721 CW passing ETA for Bilbao via GKB. (HOOD)
12428  3FAK5: m/v Alligator Strength 1822 CW w/KPH @ 37h18N/006h03E 14,166GWT General Cargo vsl This is my furthest ship logged ever just off the NE coast of Algeria in the Mediterranean (JSM)
12441  3EQV6: m/v Shin Sendai 0227 CW w/JNA w/JASREP 47h06N/157h10E 34,261 GWT WoodChip Carrier. 3FFG3: m/v Sincere Gemini 0011 CW w/VAI w/AMVER 50h02N/174h43W strg 080 deg at 13.8kts 14,971 GWT Bulker. (JSM) ELKV7: M/V Ohshu Maru 1700 CW 4034 DWT Liberian-flagged bulk carrier (Ex-Pacific Runner?) w/TG's to Tokyo. (RB)
12443.5 8KQO: m/V Japan Oak 0634 CW w/JNA w/JASREP 21h05S/149h18E 49,164 GWT Bulk Carrier (JSM)
12445  HCJH: m/v ISLA FLOREANA 2122 CW w/WCC w/AMVER/29h52N/078h11W str 206deg @ 12.8kts 12,677GWT General Cargo ship (JSM)
12447  EOAG: TKH BALTIYSKIY 68 0714 CW passing QTH to UUI. Vsl is ex UFLX. (HOOD)
12550.5 URPO: TKH SOCHI 0714 CW wkg UBO3, Petrozavodsk Radio (on 8MHz). (HOOD)
12833  SVF5: ATHENS RADIO 0709 CW Marker "de SVF5". At 1200 CW Marker "de SVA5". This is 400hz lower than listed frequency change or tx prob? (DW)
12859  SVDS: ATHENS RADIO 0711 CW Marker "de SVDS". (DW)
12942  RKLM: ARKHANGELSK RADIO 2014 CW Marker "4LY de RKLM qsx 8367.5/12511.5 k". (DW)
12967  A7D: Doha R 1709 CW MKR: DE A7D (JS3)
13023  D3E62: Luanda 1700 CW mkr: CQ CQ CQ DE D3E62 (JS3)
13028.6 SVBS: ATHENS RADIO 0718 CW Marker "de SVB4/5/6/7 qsx 22 ch 4". This is 400Hz lower than listed frequency - change or tx prob? (DW)
13047  SVA5: ATHENS RADIO 2006 CW End of tfc list. (DW)
13076.7 HZG: Dammam 1655 CW mkr: DE HZG (JS3)
13077  KMI Dixon 0515 USB wkg WB_4387 (any ID?) pp (AW)
13080  KMI Dixon 0345 USB wkg several vessels, pp. Later at 0415 KMI advised all waiting vsls, that the operators are now extremely busy. (They were.) (AW)
13089  UDH: Riga Radio 1710 USB ww unid mv (BvR)
13098  5BA54: Cyprus Radio 0525 USB general call. "This is Cyprus Radio". (AW)
13113  VCS: CCG Halifax CG Rdo, NS 0208 USB w/wx for the maritimes. (RB)
13122  BVA Taipei 0420 USB wkg unid vessel in EE, and pp in Chinese (AW)
13152  FFL61: St. Lys radio 1736 USB pp (BvR)
13155  SPO62: Szczecin Radio 1834 tape This is Szczecin radio standby for traffic list (BvR)
13164  HEB33: Berne Radio 1754 USB pp (BvR)
13170  SVN59: Athens 1653 USB TFC unid ship (JS3)
14656  SPW: Warsaw R. POL 2332 USB w/voice maker by YL in Polish. (RM)
14656  SPW: Warsaw R. POL 2332 USB w/voice maker by YL in Polish. (RM)
16216  HPLX: m/v CHIOS CHARM 1724 CW w/VAI w/AMVER/27h10N/116h40W str 322deg @12.5kts 14,873GWT Bulk Carrier (JSM)
16622  3EOU6: m/v OCEAN ACE 1624 CW w/KFS re-revised eta Panama Canal due to slowing for hurricane 43,684GWT Vehicles Carrier (JSM)
16627.5 JFDO: m/v Sanyomaru 1916 CW w/KFS @ 54-11N/169-40W strg 264deg at
12.8kts 50,905 GWT Bulker (JSM)

16634 3EQ3: m/v EARLY BIRD 1712 CW w/KPH re-arrival Callao, Peru 17,999GWT Bulk Carrier (JSM)

16642 HPEP: m/v NORTHERN HOPE 0406 CW w/JOU re-loading delays 3,992GWT General Cargo ship (JSM)

16650 SXL1: m/v ANDROS OCEANIA 1057 CW w/WCC w/AMVER/30-16N/067-44W @13.4kts 20,676GWT Bulker (JSM)

16665 3FZF2: m/v NEW LEADING 0350 CW w/JOS @ 19-25N/139-35E 3,990GWT General Cargo ship (JSM)

16916.5 WSC: Tuckerton Radio, NJ 2020 CW w/traffic list. (RB)

16966 SVI6: ATHENS RADIO 0723 CW Marker "de SVB4/5/6/7" qxs 16 ch 4" (DW)

16981.5 SVG6: ATHENS RADIO 0726 CW Marker "de SVG6". (DW)

17038 WNU55: Slideell Radio, La, US 2030 CW w/CQ, QSK marker. (RB)

17084.9 USU: MARIUPOL R, UKR 1305 CW w/ID/MKR. (RHB)

17093 JOR: 0605 CW mkr Nagasaki (MS4)

17094.8 SVA6: ATHENS RADIO 0800 CW "de SVA tfc list as" then tfc list. (DW)

17161 VIP: 0700 CW mkr Perth (MS4)

17175 A9M: 0610 CW mkr Hamala Bahrain (MS4)

17188 SVD6: ATHENS RADIO 0731 CW Marker "de SVD6" (DW)

17188 SVD6: 0520 CW mkr Athens (MS4)

22471.5 SVD7: ATHENS RADIO 0732 CW Marker "de SVD7". (DW)

22589.5 SVB7: ATHENS RADIO 0734 CW Marker "de SVB7". (DW)

22595.7 SVB7: ATHENS RADIO 1327 CW Marker "de SVB4/5/6/7 qxs 12 ch 4". Fading out most of the time. (DW)

= MILITARY =

82.8 MKL: Royal Air Force, Edinburg 0813 CW, METAR WX (MC)

122.3 OUA: Danish navy Stavns, DK 1248 CW DE OUA (AB)

2670 NMA10: USCG Group Mayport, FL 0628 USB to 0630 w/MIB. (RB) USCGC Harriet Lane: 1357 USB wkg USCGC Juniper re wreckage on board, related to TWA flight 800. (RP)

3077 EB: Unid 0570 USB Echo Bravo, w/strong Spanish accent in EE adv unid station that he is 100 miles SW of posn. (RB)

3295 SPELLMAN 0522 USB clg or wkg NIGHTWATCH...both too weak to copy. (MJ)

4033.5 AACA5: U.S. Army MARS 2335 CW wkg AAA5DOE (RB)

4041 NNN0ORA: U.S. Navy MARS NCS 2342 USB wkg NNN0YNR w/net tfc. (RB)

4154.5 ICT: I Ny Taranto 2156 USB Wkg IFF w/Unid. (IB)

4227 SXA3: Greek Navy, PIRAEUS 1953 CW Marker "vvv de SXA/G2G/G3 K13A/G K13A/G K13A/G". (DW)

4372 Giant Killer (US Navy Fleet Area Control and Surveillance Facility - Virginig Capes - Va. Beach, Va.) 0155 USB wkg various units. Possibly USN assets out of Norfolk to avoid Hurricane Bertha. (SF)

4417 Quebec Kilo: Unid, USN 0122 USB wkg 3Q re getting a number "off the deck" & passing it on. (RB)

4420 Royal Navy: UKMACCS Coastal Ctl 0328 USB w/two-tone availability signal on "Red". (RB)

4466 Empire 74, Empire 14, Empire 517: 2239 USB conducting some kind of net. (KS) (New York Civil Air Patrol LOGS) KPB577: CAP National wing 2110 USB w/HEADCAP 13 as NCS taking check-in's from Group 1,2, & 3 during CAP net. (RB)

4540 REMEDIAL 0240 USB wkg NIGHTWATCH 01. Both good level here, but fair and broken to each other. HARMONIC 0124 USB misunderstanding NIGHTWATCH's request to move to ZULU 165, popped up on ZULU 125 & called NIGHTWATCH 01 w/no response. SANDWICH 0436 USB called NIGHTWATCH 01. (CH) WAR 46 0346 USB wkg NIGHTWATCH w/sig check. NIGHTWATCH 0459 USB transmitting EAM 3VV5BN, then calls SPELLMAN to see if they received, but gets no reply. NIGHTWATCH 0521 USB clg WAR 46. SPELLMAN answers, asks NW if he was trying to reach his station, then indicates that he was in receipt of traffic 3VV5BN. After this, SPELLMAN loses contact with NW, sez going to secondary (Z120). (MJ)

4540 CUBIC 2LV 2010 USB I'm not sure about the c/s may have been a Nimrod.
wkg Architect reporting that the vessel Lucky Lady was towed into safe water. (CH)

4585 HILLCAP 49: WV CAP 2142 USB as NCS, closing "West Virginia directed CAP Net", note chg from 'Mountaineer' for WV CAP. (RB)

4593.5 APA1FQ: 2305 USB running a "directed but informal net". Other stations checking in APA1FQ APA1AIM. (KS) (USAF MARS -LOGS)

4604 RED FOX 4: Indiana CAP 2344 USB wkg RED FOX 130 w/rdo checks. (RB)

4612 HERKY 01: 0659 USB wkg METAPHOR. radio checks. '01 has METAPHOR 'loud & clear just like AT&T'!! HERKY 107: USB wkg METAPHOR w/an hourly radio check. Ops normal pass to Command Post. (GT)

4627 KBP-644: CAP Indiana wing 0010 USB w/two units discussing a radio problem in the members a/c. (RB)

4715 Royal AF Volmet 0009/0400 USB wx reports selected airfields. (KW2)

4721 KILO (male opr) 0558 USB wkg SIERRA (female opr) in bored backchannel type chitchat. Probable USN. (JH) (FOX TANGO net hrd here before -LOGS)

4724 DACTYL 15 0517 USB (guess on spelling (probably too many letters) - soundslike "dack-till") calling ANDREWS, w/nothing heard and gone. (JH)

4739 N9V: 0218 USB clg 39T called 39 or X9T several times no answer though. S9+10 signal from N9V. (JM3)

4741 RAFAIR 1C09 1000 USB Puma helicopter, outbound Odiham destination LFSR ETA 1040. Ascot 5809 1017 USB pp w/Lyneham Metro. wx for EGDL, EGVN and ENOL. ODM 75 1026 USB Puma helicopter 3POB out of EGVO (Odiham) destination EGOV (Valley), ETA 1100 Standard relay J. ODM 75 1152 USB Departed EGOV for Aldergrove N. Ireland, 3 POB ETA 1235 Relay J. ODM 75 1228 USB Established comm.s w/Aldergrove on VHF closing down HF. IFN 85 1310 USB C-130 Departed Lyneham 1300 destination Bruggen ETA 1420 Relay K selcall A3-DL. C3Y 1322 USB Nimrod a/c, radio check w/Architect loud and clear. ODM 75 1423 USB Departed EGG3 enrt EGVO ETA 1515 Clearing N.Ireland coast this time. 4AS 1229 USB Nimrod a/c, radio check & wx. Mothball 2 1312 USB Wkg. Architect w/pp to Seagull Ops. IFN 81 0905 USB Departed EGVN 0835 enrt Bruggen 0940 selcall BL-HJ Relay F. Ascot 5406 0935 USB selcall A3-FM. RAFAIR 1C09 1142 USB enrt ETAR relay ETA 1245. RAFAIR 4C08 1054 USB (Helio) Departed ETMN for EHVBD relay J. 21B 1105 USB Nimrod a/c. pp Kinloss Ext 6723 (QCA) tasking instructions. RAFAIR 1C09 1244 USB (Helio) Landing RAF Odiham & closing down HF. Parson 45 1411 USB selcall FL-BG. 3C043 0916 USB Radio check, standard relay J. H9V 0918 USB Nimrod a/c, req wx actuals for EGPK, EGQK, EGQS, EGOL. Ascot 2504 1142 USB Departed Brize Norton 1115 enrt Bruggen ETA 1220 relay F selcall BL-HJ. IFN 83 1146 USB Departed ETUR 1105/15 destination LDSF ETA 1220/30 relay 0 selcall AK-EK. RFR 8CQ43 1238 USB Departed Listocq Range 1235 B POB, enrt EGVO ETA 1315. BL-HK 1840 USB Ground radio check. (See Ascot 2081 above). C3W 1908 USB Ground radio check. (Trainer aircraft various types based at Cranwell). 1S1G20 1909 USB Request RPS for Barnsley, Tyne, Holyhead.

10H31 1504 USB Arrived posn "Golf" closing downHF in 5 mins. Ascot 5410 1028 USB Departed Lyneham 0940/55 est 30W 1355 ETA St. Johns 1710/20 relay K selcall AH-KL. Ascot 5410 1028 USB Departed Lyneham 0940 est 30W at 1355 for St. John's, NFLD. ETA 1710 relay K selcall AH-CL (ANUK). Ascot 4846 0819 USB Architect (C-130) wx Bardufoss (Norway) (BH) ASCOT 5584: 2310 USB wkg Architect selcal ch. A3-EL. (CH) CWL 86: 1444 USB pp to Cranwell 6166pp "CWL86 you are reminded that this is an Insecure HF circuit and any mention of Name/Rank & Position is Forbidden". AUGS ONE: 1445 USB On long final closing down on landing" (JM3) TAILHOOK: 0506 USB wkg NIGHTWATCH w/authentication into the net, no other units active at this time. (RB) RRRS809 1018 USB Architect/p/p to Lyneham MET,req.TAFs for EGDL, EGVN & actuals for ENOL. ODM75 1025 USB Architect/Heli.dep.EGVO to EGVO ETA 1144 3 POB, req.listening watch & Standard relay 'J'. (RD3)

4745 PLOWYOKE 0527 USB wkg SYCAMORE, with SYCAMORE making this freq the net primary freqs. NIGHTWATCH 01 worked SYCAMORE immediately after the PLOWYOKE comms. At 0546z, YCAMORE broadcast a 38-character EAM: PDXEFP... (string broadcast on GHFS at 0550z.) SYCAMORE worked NIGHTWATCH 01 at 0623z for a signal check, followed by WAR46 working
Unid: 0656 USW w/ANDVT tfc. (RB)

Coast Guard Group Activities Baltimore 2305 USB wkg unid. Also had "Carolina Beach Two", and "Mount Pleasant Radio" (ID's?) before that. (JDS) USCGC Lagare 0120 USB wkg Legaire passing info on winds. USCGC Bear 1056 USB wkg USCGC Legare ops matters. USCGC Legaire, USCGC Tampa, USCGC Campbell 1107 USB ops matters. USCGC Bear 1137 USB wkg Legare, Bear adv heading to Portsmouth 0800 -- Legare advised co will call via cell phone. USCGC Legare 1203 USB to all stations with wx info requested ack --- Cutters Tampa (enrt 0830) Quintec (enrt 0800) Staten Island (enrt 0820) Harold Lane, Bear. USCGC Campbell 1226 USB wkg Legare req & passed on scene wx. (KW2) (NHNC is USCG Harriet Lane (WMECh903), USCGC Bear (WMECh901) is NRKN, NRPM is USCGC Legare (WMEC-912), NSEL is USCGC Staten Island (WPBh1395), & NRDC is USCGC Campbell (WMEC-909), NIKL is USCGC Tampa (WMEC-902) -LOGS) NOY8: USCG "Group Corpus" 0014 USB Corpus Christi, Tx, clg unid trigraph unit, then into ANDVT. NOY8: USCG "Group Corpus" 0252 USB Corpus Christi, Tx, wkg SHARK 1339 (aka USCGC Key Biscayne WPB-1339 on DEA mission) re lost comms w/BAVARO(?) 211, & req they att to contact them. Never hrd the hull ID used w/SHARK before, normally just last 2 digits used (SHARK 39). NOUF: USCG Group Mobile, A 0254 USB wkg W5C 72 CommSta (app New Orleans) req they come up on 2670. E4T: Unid USCG asset 0458 USB clg Group Galveston, no joy, Group Mobile answers at 0522, E4T req they pass posn benchmark LIMA at 03 true, 13 NM to Galveston.

NRUF: USCGC Mohawk (WMEC-913) 0357 USB wkg CG 1719 (HC-130H) & relaying comms to GANTSEC, ap related to SAR for a ship that went down during Hurricane Bertha. NRUF: USCGC Mohawk 0505 USB (WMECh913) wkg GANTSEC (Greater Antilles Section, San Juan, PR) relaying posns, courses for cutters in Caribbean under hurricane sortie for 'Bertha'. (RB)

MKH5: 1543 USB clg CWL85 53 45N 003 45W. MCH?: 1418 USB TC1 also on Freq. "EMBARGO HAS BEEN EXTENDED BY 20mins OVER". 5KH/5CWL85 also heard (JM3)

DG: FAF Bordeaux 1730 CW CQ (DG)

DG: FAF Bordeaux 1730 CW CQ (DG)
USB wkg Rescue helo 6001 after the TWA disaster. 0745 USB Rescue 6041 clg CommSta Kodiak (AW) Group St Petersburg 0828 USB wkg RESCUE 6032 re crash of TWA flt 800, 6032 adv they had pulled their swimmer from the water & were heading in for fuel. (BWS) RESCUE 6001, 6017, 2107 0220 USB wkg CamSLANT. Boston & New Orleans also on freq -- Airline Explosion. 61A 0225 USB wkg CamSLANT neg. contact 5 miles (CH) S4JG: 0439 USB clg "any station this net." S4JG seems to be having some trouble with her radio. Calls broken w/poor modulation (DW2) 33 CHARLIE: 0215 USB wkg CommSta QSY 3E4. 33 Charlie 0046 USB w/CAMSLANT info for Panther. 61 ALPHA: 0213 USB wkg CAMSLANT coded posn rpt. A2Q: 1110 USB wkg CAMSLANT qsy to 3E7 - assume guard. CAMSLANT 1712 USB clg CG 6034 no joy. CAMSLANT 0208 USB clg CG 6001 USB wkg 6017 no joy (#1). CAMSLANT 0219 USB clg CG Rescue 6017 & 6001 no joy (#1). CAMSLANT 0221 USB clg CG Rescue 2107 no joy (#1). CAMSLANT 0129 USB wkg CG 2131 request rprt flt ops. CAMSLANT 0206 USB wkg CommSta Boston request call to B3W. CAMSLANT 0208 USB wkg B3W req rprt -- posn rprt 2950N 2965W. CAMSLANT 2132 USB clg CG 6021 no joy. Cape Cod Air: 1801 USB wkg CG Rescue 6001 confirm divert/direct to Nantucket w/refuel, Cape Air coordinating nurse requirement w/hospital. At 1806 adv patient to be aerovac’ed to Mass General Hospital (Boston MA), coordinating nurse ETA 22 minutes. CG 1503: 1730 USB wkg CAMSLANT security guard landing Elizabeth City NC. CG 1504: 2017 USB wkg CAMSLANT request/acquit guard enrt Mobile (AL) w/31 POB’s. CG 1503: 2353 USB wkg CAMSLANT Request/Acquit guard. (7/18 UT) CG 1712 0222 USB wkg CAMSPAC reg/acquit guard enrt to Sacramento AS. CG 2136: 1627USB wkg CAMSLANT Reg/Acquit guard HU25 a/c, dep Cape Cod AS local patrol 5 POB’s. CG 2131 0149 USB wkg CAMSLANT securing guard landing (homeplate). CG 2107 2128 USB wkg CAMSLANT securing guard. CG 2129 2357 USB wkg CAMSLANT request/acquit guard, Id’d as HU25 a/c from AS Miami w/5 POB’s. CG 6009: 1113 USB wkg CommSta Boston; req/accept guard located 3758N 8048W 4POB’s enrt Charleston WV to ? NC. CG 6002: 1212 USB wkg CAMSLANT req/acquit guard HH60 helo 5 POB’s enrt Elizabeth City NC to Williams NC for over flight. CG 6001: 1629 USB wkg CommSta Boston Posn rprt 4158N 7030W. CG 6004 0045 USB wkg CAMSLANT rprt flt ops normal. CG 6007 2124 USB clg CommSta Boston no joy. CG 6033 2355 USB wkg CAMSLANT reg/acquit guard 6B’s posn rprt 2630N 7838W homeplate AS Clearwater (FL). CG Rescue 6001: 1758 USB wkg CommSta Boston ETA Cape Air 24 minutes. At 1800, req divert/direct and "hot refuel" at Nantucket. CG Rescue 6012 0049 USB wkg CAMSLANT reg/acquit guard homeplate Clearwater FL psn rprt 2814N 8309W. CommSta Boston: 1113 USB wkg CG 1715 request info --- flt ops normal. CommSta Boston: 1744 USB wkg CG 6001 request contact Cape Air via UHF regarding aerovac off island 56 yr old YL internal bleeding. At 1757 wkg CG Rescue 6001 req helo pickup medic at Cape Cod Air & refuel. CommSta New Orleans 0216 USB clg CG 6001 & 6017 no joy (#1). CommSta New Orleans 0201 USB clg CG Rescue 2107 no joy (#1). VICTOR 0101 USB wkg CAMSLANT rprt flt ops normal. REACH 5000: (7/20)05 USB wkg Comm Sta Boston radio ck -- loud & clear. (KW2) Rescue 1715: USCG HC-130H 0209 USB wkg NMN re req radio guard, airborne proceeding 3743N/5609W on a EPIRB activation. NRUF: USCGC Mohawk 0306 USB (WMEC-913) wkg cutters for course, posn & spd during hurricane sortie for hurricane Bertha. Cutters included NHFX, USCGC Nunivac (WPB-1306); NABS, USCGC Attu (WPB-1317); NPBB, USCGC Block Island (WPB-1344); NRKA, USCGC Manitou (WPB-1302) & NJEH, USCGC Vashion (WPB-1308). NHFX: USCGC Nunivac 0306 USB (WPB-1306) wkg USCGC Mohawk w/posn, & spd during hurricane sortie for hurricane Bertha. NABS: USCGC Attu 0308 USB (WPB-1317) wkg USCGC Mohawk for same. NPBB: USCGC Block Island 0312 USB (WPB-1344) wkg USCGC Mohawk re hurricane sortie for Hurricane Bertha. NRKA: USCGC Manitou 0317 USB (WPB-1302) wkg USCGC Mohawk re same. NJEH: USCGC Vashion 0323 USB (WPB-1308) wkg USCGC Mohawk re they will "take them on the port side" during sortie for Hurricane Bertha. NMK: USCG Group Cape May 0411 USB USCG Group Cape May, Cape May, NJ, US clg USCGC Sanibel (WPB-1312) no joy, re op's for TWA Flt 800. CG 1714: HC-130H 0458 USB wkg NMN, CommSta Honolulu re a radio guard for local trainer, 1714 then calls NOJ, CommSta Kodiak & cancels their radio guard w/them advising they now have comms w/NMO. Rescue 2120: USCG HU-25A Falcon Jet 0502 USB wkg NMG, USCG CommSta New Orleans re request a radio guard, airborne w/5
WUN-V02

POB on a medivac flight. NODN: USCGC Iris (WLB-395) 0506 USB clg Group Astoria (OR) no joy here. Rescue 6505: USCG HH-65A Dolphin 0508 USB wkg NMC, CAMSPAC Point Reyes w/flt op's normal report. NRDC: USCGC Campbell 0511 USB (WMEC-909) clg Group Moriches (NY), comms re op's for TWA Flt 800. NOS: USCG AirSta Cape Cod 0530 USB Ma, US "Cape Cod Air" clg Rescue 2107, who has them weak. Comm斯塔 Boston comes up & the 2107 gives a flt op's normal. NMO: USCG Comm Sta Honolulu 0532 USB H1, US wkg CG 1714 (HC-130H) w/flight op's report. RESCUE 1501: USCG HC-130 1520 USB wkg RESCUE 1503 w/posn of DMB marking debris from TWA flt 800, 1503 was inbound to relieving the 1501. NRDC: USCGC Campbell 1725 USB (WMEC-909) wkg NMN re their HH-60 is airborne, passes ETA Cape Air (AirSta Cape Cod). (RB)

5705 NIGHTWATCH 01 0221 USB worked KIWIBIRD, complaining of interference (voice just up freq). NIGHTWATCH 01 0119 USB called HARMIC. WAR46 0715 USB worked NIGHTWATCH 01. DOGPOUND 0552 USB att to work NIGHTWATCH 01, w/no success. DRAWKNIFE 0559 USB worked NIGHTWATCH, setting this freq as primary for DRAWKNIFE. At 0601z, DRAWKNIFE called KIWIBIRD, & was told by NIGHTWATCH 01 that KIWIBIRD & SILKCORN were on 7831. (JH)

5711 Cape Radio 2243 USB w/kg a couple of additional stations concluding testing (JM)

5717 7 Halifax Military & Tuscar 11 no joy with neither successfully hearing one another. Halifax Military: 1435USB wkz 7305 Passed msg RCC has no traffic for him. Halifax Military 1637 USB wkg Rescue 304 w/pp Halifax Search -- pick up patient & also stranded people at washed out area verify with OPP all are out -- provided wx for Bay Como (not good rain & fog). Halifax Military 0222 USB wkg TUSCAR 05 who adv no traffic. Halifax Military 0232 USB clg Rescue 304 no joy. Rescue 304: 1403 USB wkz Halifax Military pp RCC Halifax --ernt eta on-scene 4600Z 30 nm off Grand Slide maintain SELCAL watch & test "HQH-AM" to contact MRC Lorenz(a)?. Rescue 303: 0230 USB wkz Halifax Military HM requested 303 try & contact Rescue 304 to answer call from RCC. 303 advised they were landing in 10 minutes and would contact RCC via cell phone. Rescue 304 0233 USB wkz Halifax Military pp RCC Halifax -- dispatch aerovac to south end lake (posn 4832N 6934W) for male with internal bleeding in cottage roads washed out no other way in no contact with cottage for 3 hours landing area is small quarry just north of track advised to use beacon at Riviere du Loup true north 47 nm --wx beacon area was 100 ft 1/8 mile in fog -- 304 adv he was continuing to Bagetville & was advised that Wg ops UHF freq was 227.0 mhz. TUSCAR 05: 0245 USB wkz Halifax Military pp RCC past info from TUSCAR 11 eta Quebec City 0600Z.6 Beadbat Clg NIGHTWATCH no joy id channel as z175. (KW2)

5752.5 FDG: FAF Bordeaux 2342 CW CQ (DG)

5796.5 DEATHLY: 2247 USB clg PREADIS to authenticate YNXP & 7M6L. No further tcf to follow (RM)

5800 REMEDIAL 0210 USB (female operator; tune-up growl on signal) worked NIGHTWATCH 01. WAR46 0633 USB worked NIGHTWATCH 01, who told WAR46 to drop his landline connection. NW01 must've been coming out of monitor only mode. At 0721z, NIGHTWATCH 01 worked WAR46 for a signal check. MESSKIT 0301 USB worked NIGHTWATCH 01. WAR46 0117 USB wkz HARMIC. At 0516z, NEWBOOK called NIGHTWATCH 01, w/no response. NIGHTWATCH 01 0239 USB worked WAR46. RAINCELL 0443 USB called NIGHTWATCH 01. CATHEDRAL 1639 USB called NIGHTWATCH 01. (JH)

6236 Unid: 0434 USB w/ANDVT (aka "green") tcf, used by USCG during Haiti. (RB)

6379 4XZ: IN Haifa 2320 CW CQ (DG)

6389 CTP: NATO Lisbon 0130 CW CQ (DG)

6470 S0A24: GN Piraeus 2314 CW CQ (DG)

6501 NOJ: USCG CommSta Kodiak, 0532 USB Ak, US, wkg USCGC Sedge (WLB-402), not hrd on 6200. (RB)

6516 X3F: 1106 USB clg L78B no joy. (KW2)

6550 PBWW: CG SHIP Zeevalk 1034 USB clg CG Ymuiden. CG03: 1105 USB clg CG Centre Ijymuiden. CG03: 1259 USB clg centre ijymuiden "req closing down on this frequency rtb to PBV" (Bvr)

6680 SAM 201 0513 USB clg ANDREWS, w/no response. (JH) SAM 26000: USAF C-137C, Tail 62-6000 0328 USB wkz Andy w/pp Andrews meteo. (RB)

6691 ATTRITION 1632 USB wkz BOOMTOWN in voice, data, and ANDVT mode.
WUN-v02

BOATDOCK 0505 USB worked BOOMTOWN. BOOMTOWN 0603 USB wkg ANKLEBONE in voice and data. BOOMTOWN moved ANKLEBONE to CHARLIE DELTA (not found) at 0631z. ANKLEBONE heard later at 1442z entering the net w/NIGHTWATCH 01 on 6757. (JH)

ANDREWS 0630 USB w/26-character EAM at ANDREWS' post 0600z h=30 "repeat" EAM time, w/ string taken from OFFUTT broadcast at 0529z. At 0638z, OFFUTT with 20-character EAM "FOR TACAMO LANT SECONDARY" at common h+38 minutestamp for these abncphtype things. ANDREWS (one minute early) 0629 USB with 20/26/20 character EAM set (the last two strings taken from 0547z OFFUTT broadcast of same) at ANDREWS' post-0600z h=30 "repeat" EAM transmission time. NIGHTWATCH 01 0224 USB worked KIWIBIRD on ZULU 160. ANDREWS 0630 USB w/26-character EAM string at ANDREWS' post 0600z h=30 "repeat" EAM transmission time, w/the string taken from a 0514z OFFUTT transmission of same. (JH)

SNOOP 55: USAF RC-135 0526 USB wkg unid GHFS, poss Croughton, w/pp to unid meteo (v.weak). (RB)

6729  GROVE CONTROL: 1140 USB clg '6QP', posn 50 05n 001 30w FL20090Hdg 250kts - what is Grove Control and 6QP???? (JM3)

6730  NAVY 50511 0149 USB Andy confirmed 50511 was on freq (CH) (VP-3A Bureau No, 150511 -LOGS) SAM 682 0111 USB worked ANDREWS w/pp's. (JH)

6739  8UG 1217 USB Nimrod a/c, req wx for EGQS, EQPK & TAF for EGQL. (ANUK) Navy LY92S 0913 USB Thule (P-3C, VP-92) nothing heard (again the unit is in the c/s) (BH) NATO 19 0205 USB wkg Thule. unreadable chg to 5968 (CH) EAM 0520z/26/20/26 character EAM set in the middle of a six period. The 0520z/0540z is a "common" EAM window for these things, & they seem to "feed" the repeat EAM cycles of certain GHFS stations. In this case, ELMENDORF picked up the 26/20/26 character string of the 20/26/20 character set at 0540z, at ELMENDORF's h+40 "repeat" EAM broadcast time. GHFS stations 1233 USB w/20-character EAM "FOR RENTER." ELMENDORF 0521 USB with 2 EAMs at ELMENDORF's h+21/40 "repeat" EAM transmission times (0521z, 0540z). ELMENDORF 0509 USB initiating a FOXTROT broadcast prefaced w/ENLIST: CAJ 09 TQ echoed by HICKAM & other non-hCONUS stations. At 0512z ELMENDORF was back up initiating another FOXTROT broadcast still prefaced w/ENLIST consisting of same triigraph as follows: CAJ 09 TQ. Echoed as before by non-hCONUS stations. At 0521z, ELMENDORF was up w/26-character "repeat" EAM, and then again at 0540z. At 0537z, OFFUTT was up w/a 20-character EAM "FOR TACAMO PAC PRIMARY" about one minute earlier than "normal." At 0540z, ELMENDORF w/26/20 character EAM set at ELMENDORF's h+40 "repeat" EAM transmission time. At 0547z, OFFUTT was up with another 26/20 character EAM set. ELMENDORF 0540 USB w/20-character EAM (taken from OFFUTT's (lead station) 0454z broadcast of same) at ELMENDORF's h+40 "repeat" EAM transmission time. In the qrn on freq it sounded as if she id'd herself as ANDREWS at the end of her transmission. OFFUTT 0655 USB as lead GHFS station w/81-character (+/-) EAM: PDRZVL... NEWBOOK 0512 USB clg MAINSAIL; no

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response, so gone. ELMENDORF 0604 USB initiating a FOXTROT broadcast prefaced w/ENLIST: Q57 04 WK, picked up by HICKAM & other non CONUS stations. ELMENDORF 0540 USB keys up his circuit to broadcast an EAM at his h+40 "repeat" EAM time but he loses his link to a busy signal, the circuit apparently seized by OFFUTT for a 26-character EAM at 0541z. OFFUTT. 0452 USB as lead GHFS station, w/a 20/20 character EAM subset of a 20/20/26 character EAM set. OFFUTT had to disregard the first string in order to initiate a FOXTROT broadcast prefaced w/ FAIRLY. The concluding 26-character EAM string of this set was broadcast by ANDREWS as lead GHFS station at 0503z, indicating that ANDREWS assumed the master control station duties of the GHFS at 0500z (which would be local midnight at OFFUTT.) The concluding 26-character string was rebroadcast by ELMENDORF at 0540z, & was broadcast by OFFUTT at 0600z, possibly indicating that OFFUTT has a "repeat" EAM transmission time of h+00. At 0556z, SIG called "any Global station this net" with no response. At 0624z, H7U called "GLOBAL HICKAM", and then "any station this net", finally raising ELMENDORF at 0631z. At 0700z, TAMPA TIM called MACDILL, w/no response. ROWBOAT 0354 USB worked MACDILL & requested a freq for data. Moved to 9016. SPELLMAN (sounds like) 0530 USB called MAINSAIL & raised MCCLELLAN.Req pp to NIGHTWATCH 01. MCCLELLAN adv that there was no answer. SHADO 05 (USN E-6A) 0507 USB worked OFFUTT w/pp to common DSN 339 number id'd as SHADO MAINTENANCE. At 0518z, ANDREWS, as lead GHFS station, w/20/20/26 character EAM set over an eight minute period. At 0640z, ELMENDORF w/26-character EAM string taken from the 0518z 20/20/26 character EAM set of ANDREWS, at ELMENDORF's h+40 "repeat" EAM transmission time. At 0600z, OFFUTT up w/26- character EAM string taken from the 0518z 20/20/26 character EAM set of ANDREWS, at OFFUTT's apparently new h+00 "repeat" EAM transmission time. At completion of this transmission, SHADO 05 called OFFUTT AIRWAYS for another pp to his SHADO MAINTENANCE. At 0700z, OFFUTT back up w/same 26-character string as at 0600z. NIGHTWATCH 01 0147 USB called MAINSAIL "with request". No response. At 0412z, SANDWICH worked HICKAM, req NIGHTWATCH working frequencies: Z170/Z150. At 1446 USB Various GHFS stations w/78hcharacter EAM: PD... (JH) ARCHITECT 2400 USB Royal AF coded airport wx/runway conditions. (KW2) TEAL 47: WC-130 53rd Wx Recon Sqd, at Kessler AFB, Ms 0456 USB clg MacDill, Elmendorf GHFS answers, att collect call pp to radio station WGN at a commercial number, Elmendorf adv unable to make a collect call. Hrd during hurricane Bertha. (RB)
LOOK 86 0501 USB (apparently SYCAMORE in that local night's NIGHTWATCH net) clg PANEL 82 (apparently PLOWYOKE in that local night's NIGHTWATCH net.) This was followed by SHEP 82 clg LOOK 86. Apparently LOOK 86 was expecting the call to be PANEL 82. GASER 42 0046 USB clg "12". Probably ALTUS related comms. At 0150z, GASER 42 (JH) Gold 76/65/78/75 2210 USB various comms, talking about a/r times & rendezvous. A/R track 6 is mentioned. Gold 76 is on the ground at Moron. (JP2)

ALTUS (maybe Command Post) 2026 USB briefly worked ? (missed callsign). (JH)

A1AS radio checks, net 1602 USB national guard units? Weak, readable North of Atlanta (GG2) Tango 86 Quebec: 2101 USB clg Taco Tango 86. No contact. (JM) (suspected units wkg Olympic Games in Atlanta -LOGS)

"P"; RUS-NY Kaliningrad 0602 CW P-marker (ANEU)

FDI22: French Air Force 2053 CW QG (DG)

SAM 26000 0230 USB wkg Andrews pp DSN 627-6413 (CH) Air Force 2 0450 USB wkg Andrews VIP with signal checks. (JH)

HOPPER 77 (LCAC-77) at 1558 in USB wkg HOPPER 41 (LCAC-41) advising him to come up on AC4 (Assault Craft Unit 4, Little Creek, Va) frequency (7536.5 primary) for "the exercise". Suspect this new "HOPPER" frequency is what they call "radio 1". (RB)

NMJE: USS Estocin (FFGh15) 1400 USB w/ HF test of xmitters 1 thru 5.

NVLA: USS Vella Gulf (CG-72) 1436 USB w/req for HF testing of xmitters. NICK: USS Nicholson (DD-982) 1454 USB clg/wkg SESEF w/start of HF radio checks. "Comm Center": Federal Bldg, Portsmouth, Va 1510 USB ID'ed by SESEF to confirm location, radio ck. SESEF Norfolk: Ships Electronic Systems Evaluation Facility, Ft Henry, Va., 1641 USB wkg 'Jose' at SESEF Mayport w/radio ck's. N/A: USS Ramage (DDG-61) 1743 USB w/HF xmitter testing. (RB)

HOPPER 50 (LCAC-50), HOPPER 68 (LCAC-68) & HOPPER 41 (LCAC-41) all working AC4 (Assault Craft Unit 4, Little Creek, Va) re 1300 exercise to take place. LCAC's are the U.S. Navy's Landing Craft Air Cushioned hovercraft. (RB)

KITTY HAWK 2: Civil Air Ptrl North Carolina 1525 USB clg KITTY HAWK 990. No joy. EMPIRE 405: 1636 USB (New York) w/ role call in progress for the Nat'l Command Net. Noted many station name changes from the Grove SW Directory #8. Tuned in toward end so here's all I was able to hear (didn't catch all of them): Southwest region: RED ROCK, WILDWOOD OILWELL (guess Oklahoma) & TEXAS COCK (has to be Texas); Rocky Mountain region: BLUE BASIN, STAR GARNET, BLACK GRANITE, UNCLE MIKE (Utah keeps its ident) & HIGH PLAINS; Pacific region: WESTERN TOWER BELLS (equality keeps ident) SILVER STATE (guess Nevada) BEAVER FOX (Oregon keeps ident) & SPOTTED OWL. (RM) (see this months Military Column for a complete updated list -LOGS)

FD18: FAF ? LOC 0538 CW Marker "vvv vvv vvv de FD18 ar". (DW)

FDI22: FAF ? LOC 0538 CW Marker "vvv de FD122 ar". (DW)

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HERKY 01: 0658 USB wkg METAPHOR. '01 is at posn 48N 05.50E & wants to know if METAPHOR can handle a Ch130. They also report that they are 112 miles from Ramstein. METAPHOR asks '01 to QSY to 'their other freq' 4612. (GT)

Foxtrot Tango: USN Link-11 coordination net 0530 USB w/FT wkg J8I, IFI, others w/track ID info, FT widely held to be associated w/ Joint Inter-Agency Task Force -East (JIATF-E or ex-JTF4) Caribbean op's. (RB)

SAM 974 0456 USB worked ANDREWS. (JH)

Unid 0010 USB Very weak, military sounding, unIDed passing crew members names, DOBs, and SSNs. (JJ)

NAVY 50511 0317 USB calling Andrews for radio check on 'primary'...is this a new frequency? (TB)

Royal Bahamas Self Defense Force 2258 USB SS2, unid, wkg MT (C6MT?), adv proceed to lat/lon given, poss looking for vsl in distress, discussion of rough seas. Hrd near end of Hurricane Bertha. At 0210, SS2 clg "Coral Harbour" (SDF HQ). (RB)

AADS: USAV Runnymead 2204 USB Clg AAC2. yl operator. AAFA: USAV SP4 James Loux 2206 USB Clg AAC2. (IB)

DRAT: FGS Emden (Fh210) 0351 USB German Navy Frigate, clg/wkg DHJh59, Wilhelmshaven Naval, D, for encrypted RTTY tcf. DRAZ: FGS Nordwind (V-834) 0420 USB German Navy sailing ketch used for training, clg/wkg DHJ-59 for encrypted RTTY tcf. (RB)

ONE YANKEE HOTEL and ONE YANKEE YANKEE 0455 USB briefly active on freq, in non-U.S. EE. A posn was given of 18 30N 065 611W, which is maybe around the Virgin Islands. (JH)

Lajes 2100 USB clg ????? (JM3)

ROPER 83: 2012 USB w/pp to DSN # 874-3256 (Dallas NAS ANG C.P./ROPER Ops). ROPER 83 advised their ETA to base was 2230Z. ROPER 83 is a TX ANG C-130 out of NAS Dallas. (BWS) SPAR 67: 0047 USB wkg Thule w/pp Ramstein metro ETAR 0515z will contact flight deck ltr to give good pirep. (How big is this a/c)? NATO 19: 0205 usb wkg Thule. Needed Trent or Edmonton mil on HF for pp but didn't have freq book. Part of Bosnian effort. Took pp through Thule on discreet freq 8989 (F500) (CH) ORIOLE 1929 USB w/att pp to a commercial area code 904 number, then later to a DSN 960 prefix that has been associated w/MAYPORT, FL. Sure enough, lots of MAYPORT chatter, including something that sounded sorta like a "jacko water repair" or somesuch. Presumed USN "ORIOLE". PLOWYOKE 0459 USB worked unid GHFS station (missed id), getting working frequencies for NIGHTWATCH: Z160/Z135. (He must've lost the net, as he was active on 6715 just 30 minutes earlier.) Q3H 1435 USB called "any GLOBAL STATION." No response. RLE 0428 USB worked X5H. (JH) Andrews 0122 USB EAM Sky King "IKY". DIXIE 04: 0241 USB clg "Skyking answered by Incirlik(?) told Incirlik they were barely readable & ended exchange.(#1). Offsett 0157 USB SKYKING answered by "offsett 150 USB EAM "PIRXCI.". Offsett 0156 USB clg MAINSAIL no joy. REACH 3437: 0154 USB wkg Lajes pp metro -- wx Ramstein. (KW2) Bear 600 2130 USB clg Andrews. No answer heard (LB2) (E-2C of VAH-124 "Bear Aces" -LOGS) SHOELACE 0126 USB w/at least 2 EAM's...PIRQW7 and PITDCZ. (M3) LODGES (Lajes GHFS, Azores - LOGS) USB wkg ANGRYMAN, pp w/ROWBOAT, almost immediately ANGRYMAN signs off with nothing further. (MM4) TEAL 54: WC-130 53rd WX Recon Sqd, at Kessler AFB, Ms 1529 USB wkg Offsett GHFS, pp GUNRUNNER (AF Reserve HQ) re departed 1510. (RB)

DRAGON 124: 33 Sqd, 707 tanker, FJ-EL, A20-624 2112 USB wkg RAFF Perth This is a tactical call sign, usuall 707 call is WINDSOR. STATION 086: C-130H 36 sgd 2156 USB w/RAAF Sydney. SUMO 2202 USB w/RAAF Perth one of our US mate's coming Down Under, he was 2khz off freq, but passed his arrival time & fuel figures none the less. NAV-TRAINER 601 2236 USB wkg RAAF Perth, on the ground at RAAF base East Sale in Victoria, this call sign is very unusual, i have never picked it up before, it's used by the HS-748s of the RAAF School of Air Navigation. WINDSOR 096: 33 Sqd 707 tanker 0147 USB wkg RAFF Townsville, Aussi 208 0158 USB w/AF Sydney Looking for terminal forecast Amberley. Station 016: C-130H 36s Sgd A97-011 LP-HK 0159 USB wkg AF Sydney w/"Opp's normal". Shepherd 149: P-3 Orion 0205 USB wkg AF Sydney. HERITAGE 798 0218 USB wkg AF Perth, this is an RAAF Museum aircraft, poss the DC-3 VH-CIN. Aussi 26 0234 USB wkg AF Sydney w/
"opp's normal". (SB)

8983   A2Q: 1108 USB clg Camslant no joy. NMN: CAMSLANT Chesapeake, Va US 1712 USB clg CG 6034 no joy. ROMEO 8 FOXTROT: 0233 USB clg CommSta New Orleans, NMN, no joy. (KW2) RESCUE 1501: USCG HC-130 1452 USB wkg NMN w/pp D-1 Command Center re 1501 is to refuel at Airsta Cape Cod, & return to unid SAR area for a 990 mile trackline search. (RB)

8989   NATO 19: 0135 USB pp through Thule. NATO 19 got the Trenton 11232 freq. from Thule At 0145 Trenton Military asked Thule for NATO 19's c/s. Then contacted NATO 19 on 8989 and told them to use 9007 or 6745. Trenton adv 6745 is for evennings & 9007 & 11232 are primary ch. (BWS) NATO 19: 0207 usb wkg Thule w/private state side pp attempts. Req Trenton HF freq and given 11232 as only one, no backup. Trenton were then heard on 8989 wkg Thule and then NATO 19. (CH)

8992   GERMAN Air Force 001 0235 USB wkg MacDill w/pp McGuire Metro wx for 0600z (CH) MACDILL 1519 USB W/PI... EAM followed immediately w/20-character 3V... EAM (a rare example of the static series changing during same broadcast time.) NIGHTWATCH 01 1535 USB worked MACDILL (after moving here from 11175, passed a voice EAM string to MACDILL. At 1540z, MACDILL adv NIGHTWATCH 01 that he had injected the message into AUTODIN, and the GHFS lit up with McCLELLAN's transmission of same: 3VGLNH... (JH) DEADBALL: 1047 USB wkg MacDill radio ck. MANIFESTABLE: 2115 USB wkg MacDill, req NIGHTwatch freqs, given Primary Z175 & alternate Z185. MOTOWN 1: 1115 USB wkg MacDill pp westover AFRB ops wx problems will bypass land Grand Rapids. YANKEN 71: 1808 USB wkg MacDill pp YANKEN OPS base (Stewart ANG/AFRES Base?). (KW2) Reach 5302 0000 USB wkg MacDill re Alpha 2 maybe 3. SPAR 19 0001 USB clg MacDill (LB2)

9007   CANFOR 2252 2147 USB clg Trenton Military no joy -- gave posn as Antigua. CANFOR 2711 2148 USB wkg Trenton Military need helo & physician upon arrival Stephenville -- ill crew member question of food poisoning at Greenwood. SIDECAR XRAY: 0254 USB wkg Trenton Military pp DSN 884-XXXX dual pp?? -- SHARK 71 w/Raymond 24 ops info. Trenton Military 2126 USB wkg unid a/c, will maintain SELCAL watch on frequency. (KW2)

9011.4 HABITAT 0300 USB requests OSCAR-3 try for contact on UHF channel, "INDIA-Delta." (No joy on ID.) 03 said he would try again later. (JH) HABITAT 0158 USB on self-Ided w/03 working OSCAR-0. Talked about going to W-02. (Maybe 6719.47?) (JH)

9013   Unid aero: LWB AF Buenos Aires? 0204 USB w/SS aero comms, LWB listed here never logged on WUN. (RB)

9014   REACH 0275 0144 USB wkg RAYMOND 07 w/pp to HILDA (TACC) WEST, giving RAYMOND 07 the DSN number for "COMPUTER FLIGHT PLAN" instead. REACH 0275 was looking for info on a tanker out of 927th Aerial Refuelling Wing. GEMINI 93 1851 USB called RAYMOND 07. DARKSTAR NOVEMBER called RAYMOND 07. Neither station received a response. TUFF 15 0123 USB wkg RAYMOND 06. At 1750z "RAYMOND 06 wkg RAYMOND 07, w/the comment "split off on the go." (JH) TUFF 15 0130 USB wkg RAYMOND 07 for pp to MUDBUG. TUFF 15 wants to know if TURBO can rendezvous for refueling ops early. (JH)

9016   SPAR 84: 0100 USB moved here from 15016 but all I cud hear was an eta of 2110 (CH) SYMPHONY 1540 USB worked NIGHTWATCH 01. NAMEPLATE (maybe not a regular player in these nets) 0521 USB worked NIGHTWATCH 01. At 1939z, RENTALCAR 1503 USB wkg NIGHTWATCH 01. At 1948z, RENTALCAR w/26-character EAM (OFFUTT at 1943z on GHFS w/same string.)
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0750 USB wkg NIGHTWATCH 01. At 1442z, NIGHTWATCH 01 worked REYNOLDS & PINWHEEL. At 1445z, NIGHTWATCH 01 told REYNOLDS to stand by for traffic; immediately followed with EAM string from PINWHEEL. At 1528z, PINWHEEL was back up with another EAM string (concurrent w/ GHFS rotation of same). At 1535z, REYNOLDS worked NIGHTWATCH 01 & exited the net, followed immediately with AIDFIRST checking into the net. At 1619z, PINWHEEL w/another EAM string, confirming same w/ AIDFIRST. At 1625z, PINWHEEL w/20-character EAM string trailing OFFUTT's broadcast of same on GHFS. MESSKIK 0020 USB wkg NIGHTWATCH 01 & moving to ZULU 165, where MESSKIT lost him. Finally back on 9016, MESSKIT worked NIGHTWATCH 01 & entered the net. No other players in net. NIGHTWATCH 01 0217 USB wkg KIWIBIRD. ANDREWS GLOBAL 0048 USB called SPAR 84, and then called MACDILL, w/MACDILL responding. At 0050z, SPAR 84 calls ANDREWS GLOBAL, & raises same at 0053z. LASTMAN 1208 USB clg NIGHTWATCH 01. At 1509z, MOTORIST worked NIGHTWATCH 01 & entered the net. NIGHTWATCH 01 0116 USB worked HARMONIC, moved to ZULU 150. ROADMAP 1315 USB worked NIGHTWATCH 01 & entered the net. ROMANLAD then worked ROADMAP and entered the net through ROADMAP. At 1522z ROADMAP worked NIGHTWATCH 01; told NW01 that NEWBOOK is in net (NEWBOOK entered the net at 0523z); & then went through the challenge process. BROWN RAT 0932 USB clg NIGHTWATCH 01, no response. BROWN RAT back up at 0936z clg NIGHTWATCH 01, again w/no response. BROWN RAT then exits the net in the blind. He passes (in the blind) a two-character challenge group instead of a 3 character group. BARCANDY 0632 USB worked MACDILL in voice & data. MACDILL 0355 USB worked ROWBOAT in voice and data. At 0424z, ROWBOAT worked _____ (did not sound like NIGHTWATCH 01), & entered the net. ROWBOAT was told that there were no other players in the net. RELTABLE 1338 USB wkg NIGHTWATCH 01. SPEEDBOAT 1625 USB worked NIGHTWATCH 01. Same at 1728z. WAR6 0122 USB worked NIGHTWATCH 01 in a signal check. At 0619z, LASTMAN worked NIGHTWATCH 01. At 1316z, NIGHTWATCH 01 (female opr) active on freq. At 1404z, HARMONY called NIGHTWATCH 01. At 1412z, LASTMAN worked NIGHTWATCH 01. At 1605z LASTMAN called NIGHTWATCH 01, but raised BIGBURLEY (LASTMAN was trying to check out of the net.) At 1612z, LASTMAN called NIGHTWATCH 01 w/no response, so he checked out of the net in the blind. As seems to be the recent case, when he passed his challenge characters, it was two character not three. HATHAWAY 1640 USB wkg NIGHTWATCH 01. SANDWICH 0439 USB called NIGHTWATCH 01. NIGHTWATCH 01 (female opr) 1553 USB worked URGENT (sounds like, may have been something else.) At 1637z, CATHEDRAL worked NIGHTWATCH 01. At 1745z, CATHEDRAL called NIGHTWATCH 01. At 2250z, NIGHTWATCH 01 worked ADDRESSSEE, both went into eventually successful data comms with each other. At 2318z, NIGHTWATCH 01 (probable USN opr) worked MERIDITH, w/MERIDITH entering the net. At 2323z, WAR6 0146 worked NIGHTWATCH 01 in a signal check. NIGHTWATCH 01 went monitor-only for 30 minutes. PARTTIME 0431 USB worked NIGHTWATCH 01 at 0440z, TABLETOP called NIGHTWATCH 01. ABOUTSHIP (sounds like) 1421 USB worked NIGHTWATCH 01 & entered the net. No current traffic, and NOVELIST also in the net. At 1525z, ABOUTSHIP worked NOVELIST & NIGHTWATCH 01. At 1806z, ABOUTSHIP with 26-character EAM (preceding the GHFS broadcast of same), //9016 & 6739. NIGHTWATCH 01 0103 USB worked MACDILL, w/pp placed to a common DSN 939 number usually associated with NIGHTWATCH 01. Hi 'n bye connectivity check. At 0416z, COALSACK (sounds like, maybe) worked NIGHTWATCH 01, & passed a couple of EAMs, w/one read-through. NIGHTWATCH 01 1445 USB worked MCCCLELLAN, & attempted to set up data transmission. MCCCLELLAN had to beg off for an hour or so, as MCCCLELLAN's equipment was not yet ready to receive data. PACKMULE 1641 USB clg NIGHTWATCH 01. NIGHTWATCH 01 1454 USB w/EAM to DRAWNFIE (in the net since around 0600z.) At 1529z DRAWNIFKE calls & raises NIGHTWATCH 01 "on nine upper", & exits the net. (JH) NIGHTWATCH 0138 USB wkg MacDill ops data. (KW2) Reach 5302 005 USB clg MacDill no contact. Pep Rally 0112 USB clg Nightwatch 01. Stanwick 0119 USB clg Nightwatch 01. Stanwick 0120 USB clg Pep Rally. (LB2) RECKLESS 0251 USB wkg Nightwatch 01 terminating data test due to equipment problems. This terminated efforts begun at 0220 to pass data via HF modem. (MJ)
night (JH) SAM 375 0058 USB wkg Andrews w/pp to fleet service. (MJ)

9018  "93" 0216 USB wkg ? regarding thunderstorm cells from MAXWELL to north of MONTGOMERY (Alabama.) (JH)

9023  CRISCO 1800 USB wkg stations whose id's I could not make out. (JH)

9031  NATO 35 1313 USB Architect w/TAF. NATO 40 1316 USB Architect w/wx for EGXW, EGCC, EGPK also R/C. TBT 1609 USB Nimrod a/c, Architect w/TAF for ENZV. Ascot 5021 1254 USB Departed Brize Norton 1225 enrt Bruggen ETA 1355 selcal AH-KL. RAFair 4C21 1321 USB Architect arrived LZSL closing down HF. IFN 83 1508 USB Architect departed Split LDP 1450 est Lyneham 1855 relay K selcal AK-EG (ANUK) ASCOT 9476: 0129 USB wkg Architect w/selcal ck DJhBC. At 0154 asked for a taf for PANC (CH) RRR1657 1033 USB/Msg.to go to Sqdn ops,Standard relay R -Delay in dep. due to new ATC slot,New ETD LFLX 1155/1200 ETA EGWU 1300/05. 4FD41 1036 USB Architect/Heli. dep.EGVO 1030 req/listening watch. (RD3)

9057  NIGHTWATCH 01 1620 USB worked OVERWRITE. They then moved to ZULU 240 (currently unknown here, and not found.) (JH)

9210  IDR: I-NY Roma 1749 USB in QSO with IADP (ANEU)

9270  Andrews VIP 2216 USB checking SAM 26000, out of Offutt AFB location, on "primary F-517." (JJ)

9292  VEX: CFB(??) Penhold, AB, CAN 0214 USB wkg unid CIX204 w/comms ck, very weak here, nothing further hrd, maybe they went for Ch.1! (RB)

9320  SAM 28000 2150 USB on the ground at MOFFETT, wkg Andrews VIP w/signal cks. Also heard on 8058 (probably Fh054, but not confirmed here) & 6986. Then at 2206z, from 6986.0, moved to F-476.....not found.

EXECUTIVEhONEhFOXTROT 2300 USB, enrt to Scott AFB, wkg Andrews VIP for pp to DSN 576hXXXX (Scott AFB) and 011h82h333h661hXXXX (Korea) (JJ)

9809  DEADBALL (or DEADBOLT) 1625 USB clg NIGHTWATCH 01, w/nothing heard so moved to 2205 (11494). Strong het on freq from swbc station on 9810. NIGHTWATCH 02 1814 USB worked LIFEBOUY. NIGHTWATCH 02 complained of "noise", so they moved to 11494. (JH)

10204  SYMPHONY 1532 USB wkg NIGHTWATCH 01 in the clear & ANDVT. SYMPHONY then went into the challenge process with NIGHTWATCH 01, and kept getting the single-letter response to NIGHTWATCH 01's 3-character challenge wrong. NIGHTWATCH 01 finally told SYMPHONY to review the first couple of pages of your document, and give me a call latter." Within minutes, SYMPHONY was back up, & this time completed the challenge process correctly. They are still struggling w/this new 3-character procedure. At 1759z, NIGHTWATCH 01 called INTERVIEW; then SYMPHONY called NIGHTWATCH 01 for a radio check. At 1834z, SYMPHONY called NIGHTWATCH 01 "with request", but was answered by INTERVIEW. SYMPHONY exited the net through INTERVIEW, w/correct challenge procedure. At 2005z, NIGHTWATCH 01 with 26-character EAM, w/INTERVIEW acknowledging this traffic (OFFUTT bcst the string on the GHFS at 2013z.) NIGHTWATCH 01 called ROCKAWAY; at 2009 INTERVIEW worked ROCKAWAY. All operators (including NIGHTWATCH 01) appeared to be USN trained. WAR46 0126 USB called NIGHTWATCH ONE. NAMEPLATE 0520 USB worked NIGHTWATCH 01. VAGABOND 1608 USB worked NIGHTWATCH 01. Then NIGHTWATCH 01 called & raised WAR46 for a signal check. AT 1616z, NIGHTWATCH 01 worked OVERWRITE (sounds like). At 2137z, NIGHTWATCH 01 with 26-character EAM, w/INTERVIEW acknowledging this traffic (OFFUTT bcst the string on the GHFS at 2137z.) NIGHTWATCH 01 called RINGBONE. At 2147z, NIGHTWATCH 01 called BIRDNEST. PANHURST 0051 USB called NIGHTWATCH ONE. NARCOTIC 0120 USB called NIGHTWATCH 01. At 0132z, NARCOTIC called NIGHTWATCH 01 & attempted WAR46. At 1715z, ARCTICFOX worked NIGHTWATCH 01 & entered the net through the challenge process. At 1821z, ARCTICFOX worked SURVIVAL. At 1830z, ARCTICFOX w/121-character (+/-) EAM: UPJRJI... During ARCTICFOX's broadcast of the string, another voice in the background was busy with a string as well. At 1948z, NIGHTWATCH 01 called NIGHTWATCH 02. At 2350z, NIGHTWATCH 01 called BIRDNEST. PANHURST 0051 USB called NIGHTWATCH
WUNhv02

01, & then in the blind spelled his call as PANHURST, but pronounced it PANHURST. At 0206z, PANHURST worked NIGHTWATCH 01. EXTRADITE 1440 USB worked NIGHTWATCH 01. WAR46 2148 USB clg NIGHTWATCH 01 for a radio check. WAR46 0220 clg NIGHTWATCH 01 for a radio check. SHOPWORN & STRINGENT (sounds like) 1546 USB wkq NIGHTWATCH 01, followed by INCLUSIVE who entered the net (1549z.). At 1554z, NIGHTWATCH 01 w/EAM, followed by confirmation from INCLUSIVE and attempted SHOPWORN. During these comms, the comment was made (approx quotes) "...wire note via WHISKEY BRAVO; good comms with station EVANS." (maybe)

EVANS has been referenced before over the past years, and seems to be a static call for a comm position at TINKER (maybe) involved with or near BOOMTOWN. At 1850z, WAR46 called NIGHTWATCH 01, but worked INCLUSIVE.

LASTMAN 1209 USB clg NIGHTWACH 01. Moved to 11175.0. At 1526z NIGHTWATCH 01 w/20-character EAM (3VRMNS...). BEEHONEY 1740 USB worked NIGHTWATCH 01. HATHAWAY 1640 USB wkg NIGHTWATCH 01. At 1816z, NIGHTWATCH 01 (Female opr) worked NOMINATE. At 1835z, BLUEBERRY called NIGHTWATCH 01. (JH) SHOPWORN 1655 USB wkq INCLUSIVE checking out of the net. (MJ) NIGHTWATCH: 2318 USB wkq BIRDNEST re data to send on Z190. (RB)

10284 VEX: CFB(? Penhold, AB, CAN 0213 USB wkq unid CIX204 w/comms ck on "Ch.3", getting better, req try Ch.2 & passes freq of 9292. (RB)

10295 Unid: Swedish MIL (?) 0638 USB simplex tcf. in Swedish (ANEU)

10315 Many German Navy stations 1652 USB NUKO messages (ANEU)

10512 AQPx: Pakistan Navy, Karachi 1936 CW VVV DE AQP2/4/5/6/8 (ANEU)

AQPx: Pakistan Navy 1145 CW station marker (EW) AQP8: Pakistani Navy, Karachi, Pak 1910 CW VVV AQP 2/4/5/6/8; //2457.5, 6390, 8490, 13011. (JD2)

10606 IDR: Italian Navy, Roma 1038 USB tcf. to various stations (ANEU)

10700 RAL-2: UNID RUS-NY 1943 CW calling RQ64, req. QSY to 13481 (ANEU)

10722 DNH59: D-NY Wilmshuhn UTC? USB QSO with DRAT, frigate 'Emden'. (ANEU)

10767 A30: USAF Adana 1504 USB wkq. UNID a/c (ANEU)

10920 VEX: CFB(? Penhold, AB, CAN 0211 USB wkq unid CIX204 w/comms ck on "Ch.4", req try Ch.3 & passes Freq of 10284. (RB)

11053 SAM 26000 0447 USB worked ANDREWS w/pp (JH) SAM 26000 wkq Andrews w/pp traffic. SAM 26000 1658 USB signal checks Andrews VIP. PACOM 01 & SAM 206 are weak readable; SAM 26000 is loud & clear on 11053. TROUT 99 0412 USB wkq Andrews VIP for pp to Air Force OPS...Departed North Island 0404z; ETA Andrews 0830z...Secondary freq. is 6730. (JH)

11054 SAM 206 1658 USB signal checks Andrews VIP. (JH) Andrews VIP: 0421 USB wkq unid w/rdo ck's, poss was SAM 26000. (RB)

11158 Unid: ANDVT comms 2353 USB (RB)

11175 Reach 0089 1451 USB wkq. Croughton pp w/Banter Control, Mildenhall DSN 238-2121. 1 hour out, 10 space A, 11,200 lbs cargo, pallet Haz, A1. Reach 0089 1510 USB wkq. Crompton 1510 USB wkq. Crompton 1510 USB wkq. Crompton 17.976 (ANUK) Reach 50B 1316 USB nothing heard. Herky 913 2027 Crompton (C-130) pp .... command post: A2 for 1) left ox indicator inop 2) DTC intermittent 3) left front main tyre showing cord. Quiet hrs waver till 2100, call UHF for parking. Shark 86 2413 USB Albrook dep (unreadable, ICAO starts w/S, so Southern America) 2120 eta Howard .... (weak and interfered by lots of flash-traffic). BONE 42 2149 USB w/MacDill (B-18, 28 BW, Ellsworth) MacDill called, at 2204 Bone 42 called MacDill, no joy unfortunately :-( I could hear them both in the Netherlands. DOG 02 2150 USB MacDill pp DSN 582-4205 (MCAS Cherry Point), trying to setup a line out, I assume for moral call, nr. for Base Ops = 2750, req ext 0001. After they got disconnected, MacDill started if this was moral or official business: cancel the request, 10 min before landing. (this may be spelled DAWG -LOGS) Navy UT612 2202 USB Ascension (P-3C) pp DSN 564-3922 (NAS Norfolk Air Traffic Control): relay to Base Ops; P-3C eta 2237Z request fuel. No refuel till 1930 local. Reach 2566 USB Mainsail radio ck (Crompton OK, also as Reach 2655...). SLAM 13 1013 USB Mainsail, radio ck (Crompton OK, is Dragon 75?). Reach 207 1019 USB Andrews pp PMSV wx KHOP (Campbell AAF, Kentucky) 1130. DRAGON 75 1022 USB Mainsail radio check (no joy, this one was clg several times for a r/c, at some time immediately thereafter the above Slam 13 called & the modulation sounded exactly the same... same flight???). Reach
0031 1023 USB Croughton (C-141B, 67-0031) pp Mildenhall AMCC: (now clg as 70031) etb 1325 A2: nr.1/2/4 fuel quantity indicator (auto calibration?). Navy 7326 1043 Croughton radio check (EP-3E 157326?) Baker 1046 USB Croughton message traffic in 7 groups (tri-graph). Aircraft 1791 1043 USB any station radio check (CH)? TUFF 12:0233 USB (B-52H bomber out of Barksdale AFB) pp. to RAYMOND 06 (Barksdale ACC Command Post) regarding the use of the Harrison Range. KING 672 0145 USB w/a very "morale" sounding pp, caller adv she was clg from an E-2 & was currently flying over California. (BWS) (no doubt from the "Sun Kings" of VAW-116 out of Miramar, Ca -LOGS) REACH 8233 2238 USB wkg Ascension pp Ramstein. COBRA 08 2300 USB wkg Ascension pp Offutt (Raymond 21?). SHARK 18 2307 USB wkg Albrook. GASSER 93 0140 USB wkg Andrews pp DSN 872 150 Offutt answered. NAVY 50511 0141 USB wkg Andrew's req contact (presidential?) for freqs. Relayed route. pp said would be on 267 (6730 usb) in 5 minutes. IFO 06A: 1751 USB wkg Incirlik. REACH 509B: 1155 USB c1g mainsail, no answer. TIGER 41: 0052 USB wkg Ascension w/pp Raymond 33 off gnd 2311, code 1 jet. REACH 9405: 0115 USB wkg Ascension w/pp Hilda East. 7x3 mission eta blocks at Keflavik 0245z. pp w/Keflavik metro. HERKEY 01: 1320 USB wkg Ascension. Croughton: 2212 USB w/a11 freq req for Reach 70043. HERKEY 106Kv: 2212 USB wkg Incirlik w/pp... NAVY RUS41: 2235 USB Ascension. avy C130 (NATO flight). pp 476 2356 metro. REACH 59413: 2329 wkg Offutt. REACH 207: 2335 wkg Offutt w/rdo ck. 2350 Offutt w/all freq req for TUFF 16 (CH) HERKY 01: 0611 USB wkg Incirlik GHFS. '01 wants to know the HF freqs for station METAPHOR at Ramstein. About a minute later Incirlik calls '01 back. '01 says he wants a pp to Ramstein Command Post. In contact they ask the C-P the same question & a minute later are told '7919'. (GT) AAEH: USAV Macon: 2230 USB to Andrews. Weak. KING-87 2119 USB wkg Ascension Global (IB) DARK 41 1521 USB calling DARK 42, then DARK 41 worked OFFUTT. At 1435z, OFFUTT with 20/20/26 character EAM set over a 14 minute period. JAPAN NAVY 5030 1550 USB wkg OFFUTT w/pp request to a DSN 735 number. ONE YANKEE MIKE 1934 worked MACDILL w/pp to OSCAR SIX JULIET. At 2258z, XRAY FOUR GULF calling "any radio" and answered by ALBROOK. At 2350z, AMBITIOUS worked ALBROOK w/pp to NIGHTWATCH 01, getting working freqs for net (2205/2185.). TANGO FIVE INDIA 1412 USB clg "SKYKING for radio check", then called HICKAM GLOBAL. GORDO 11 1404 USB c1g ? for a signal check. Within moments, NIGHTWATCH 01 up on freq working MACDILL for a pp to a common DSN 939 number. MACDILL moved them to 8992, and finally 15016. ORIOLE 1925 USB worked OFFUTT, who req he move to 8968. OFFUTT, 1709 USB as lead GHFS station w/26-character EAM at 1709z; 26-character EAM at 711z; 20-character EAM at 1733z, and 20-character EAM at 1743z. At completion of 1743z string, OFFUTT was up w/a "EYESTRAIN, EYESTRAIN, request you ech...", studied this in mid-sentence; discretion was immediately up w/a "EYESTRAIN, EYESTRAIN, do not answer". Immediately into a trigraph/timestamp/authentication. *Very* unusual, what w/the recipient of the transmission something other than SKYKING. RAIL 28 2132 USB c1g "MACDILL MAINSAIL", & then MAINSAIL. No reply to his calls. (JH) (wasn't that an old SR-71 call? -LOGS) SAM 681 2317 USB c1g OFFUTT. G6S 2133 USB clg SKYKING for a radio check. ARTIFICIAL TURF (USN) 1624 USB wkg ANDREWS w/pp to PORT OPS. At 1705z, FIREBREAK wkg ? (did not catch the GHFS station) getting working freqs for NIGHTWATCH net. LASTMAN 1253 USB worked MACDILL w/pp to NIGHTWATCH 01, getting working freqs: ZULU 170/165. SPAR 67 2018 USB worked ASCENSION, and obtained ANDREWS working frequency: 295 upper (nothing heard on 11460 at that time). BRAVO SIX FOXTROT 2028 USB worked MACDILL w/pp to a DSN 573 number (KINGS BAY) id'd as COMSUBGRU 10 CWO, for an "Exercise Esteem Highly Alpha" transmission. Also active on the frequency at this time: UTLY (wkg MACDILL) & OCEAN 64. QSH 1428 USB c1g ANDREWS, then "any station this net." At 1403z, BLADE 43 called by OFFUTT in an "all frequency request." At 1431z, RUCKSACK called & raised OFFUTT, asked if NIGHTWATCH 01 were back up yet (NW01 had been monitor only for over an hour). Answer: no, still down for another hour. At 1453 USB GHFS station w/attempted EAM string, with xmsn cut off w/busy signal as MCCLELLAN seized circuit for transmission of same string. During this activity, NIGHTWATCH 01
called MACDILL. At 1456z, NIGHTWATCH 01 again called, & briefly worked, MACDILL for a signal check. There are weak ALE-type bursts on freq. At 1501z, ALOMA 82 worked OFFUTT w/pp to a DSN 284 number id'd as HOWARD FLIGHT OPERATIONS. At 1504z, MACDILL worked MCCLELLAN. At 1506z (after another seized circuit cut-off), MCCLELLAN misheard MCCLELLAN's "MAINSAIL" call, & briefly responded to MCCLELLAN. At 1520z, NIGHTWATCH 01 worked MACDILL and put MACDILL through the 3-character challenge process. At 1523z, NIGHTWATCH 01 passed a voice EAM string to MACDILL, which MACDILL then said he would inject into AUTODIN. At 1531z, MCCLELLAN told NIGHTWATCH 01 that the AUTODIN inject time was 1530z. The GHFS immediately lit up w/MCCLELLAN'S "MAINSAIL" call, & the 2-character EAM string: 3VX77A... MACDILL then moved NIGHTWATCH 01 to 8992. Q2J 1451 USB worked OFFUTT w/pp to L6Z. (JH) AAEH: 2222 USB clg "MAINSAIL". Ascension answers and advises AAEH that he's "off frequency". (JL) FREEBIRD: 1400 USB clg CROUGHTON. REACH 8233: (Tail no 50276) 2016 USB 56 59N 31 30W Dep UUWW at 1935, C-141 Going to Ascension then ETA Shannon at 2335). (JM3) REACH Golf 3: 1354 USB clg Incirlik No answer. REACH Golf 3: 1355 USB clg Croughton, No answer. REACH Golf 3: 1356 USB clg Ascension pp to Mildenhall Metro. REACH Tango 10 1403 USB clg Croughton w/pp to Command post. (JS6) 6 GOLF INDIA 02 0232 USB clg MacDill Offutt & Ascension no joy. ??888 0056 USB wkg ?? pp HAWK 6 scheduling ops matters. CHFF 12 0229 USB wkg Ascension pp RAYMOND 06 scheduling. CUP 13 0136 USB wkg Ascension pp RAYMOND 06 scheduling. DEADBALL: 1122 USB wkg Hickam request for NIGHTWATCH current freqs --adv Primary Z165 Alternate Z170 also kept patch open until contact made. GOOSE 72 0217 USB wkg Andrews pp DSN 875-xxxx SANDCASTLE. KING 21: 1244 USB wkg MacDill pp base ops Hurricane evac to Wright Patterson AFB. MAC 066: 0133 USB clg MAINSAIL w1: Andrews answer radio ck loud & clear. MacDill 0119 8119 USB wkg UFO 1 pp ops matters. MacDill 0122 USB EAM Sky King "IKY". Navy RG35: 0224 USB wkg Hickam advise to standby traffic in progress. Navy U841 0148 USB wkg Ascension pp MALO DSN78-xxxx arrive 0100 Brunswick NAS. POLE 487 0214 USB wkg Ascension pp Peterson Base Ops. REACH 40729: 0136 USB wkg Ascension pp "dispatch". REACH 60171: 0203 USB wkg unid station pp Hilda west C141 a/c at KPDE heading for McChord. REACH 576: 0227 USB wkg Andrews metro wx EDDK -- qsy 15016. REACH 40629: 0240 USB wkg Offutt pp McGuire CP ops matters. REACH 101: 0251 USB wkg Hickam pp. REACH 43409: 1231 USB wkg MacDill pp Dover metro wx for KCEF (Westover AFB) qsy to 15016. REACH 0001: 1247 USB wkg Offutt pp Raymond 22 (Nellis AFB cmd post) C5 a/c tail#5001 inbound. SAFEPLAY 0246 USB wkg Hickam req for NIGHTWATCH freqs qsy 13200-- adv Primary Z175 secondary Z185. SHARK 11: 0120 USB clg Albrook no joy. SHARK 25: 1135 USB wkg MacDill pp ?-- advised will contact them again when airborne. SHARK 25: 1235 USB wkg Albrook pp w/pp to Channel 1: Ob30 USB wkg Hickam pp ops matters. (KW2) Sam 276 0027 USB clg MAINSAIL. Victor 01 wkg MacDill 2204 USB (LB2) Albrook 1830 USB w/pp for SHARK 21 to Lobo. Albrook 1947 USB w/pp for SHARK 21 to Lobo & Howard meteo, Albrook 1950 USB w/pp for SHARK 87 to Lobo. Albrook 2013 USB w/pp for REACH 171 to Furious (Howard CP) (REACH 171 is a C-5). Ascension 2030 USB w/pp for REACH 0004 to Roosevelt Roads meteo. Albrook 2101 USB w/pp for SHARK 87 to Lobo (MF2) Offutt 1744 USB clg BIRDSEYE, adv QSY 11244. BIRDSEYE 1748 USB wkg Offutt w/pp to NIGHTWATCH, who challenges BIRDSEYE (presumably to enter the net). BIRDSEYE fails the first challenge, is told to try again, does so w/two-character group to which NW op replies "there is no XX!" The third try is the charm, though, and NW op tells BIRDSEYE, "Have a safe flight." REMUS 52 1752 USB wkg Offutt w/pp to DSN 875 xxxx (SANDCASTLE OPS). DOOM 01 (USAF B-52) 1817 USB wkg unheared GHFS re AR. 01 is in contact w/tankers on HF. TUFF 15 (USAF B-52) 0240 USB wkg Hickam w/pp to Raymond 6 (MUDBUG Control) w/pp for morale call. 15 somewhere over New Mexico. Andrews 0330 USB w/125-char EAM, PDMSEO. Only long EAM heard of many transmitted this night. GOLD 61 0448 USB wkg Hickam w/pp to Langley CP. 61 tells Langley To notify AOC representative in tower that they will call Him next day from Spangdahlem to adv whether to launch the fighters. GULL 5 2003 USB wkg Albrook w/pp to unkn metro re Atlantic coast wx. (MJ) VIPER 85:
1543 USB (self id as C130) wkg Andrews w/pp to Mcguire dispatch giving arrival time and had 9 crew onboard. ADMW: 1550 USB wkg Elmendorf w/pp to RAIDER, ADMW gave location but it was to weak to understand. REACH 275: 0423 USB wkg Hickam w/pp to HILDA west, setting up new a/r time, REACH is going to a/r with AUTO 73(tanker from Hickam?) on track 903w at 0940z. HILDA stated they would notify Hickam of new CT time. KING 01: 0431 USB wkg Hickam w/pp to Portland ANG, KING was asking about JOLLY 31/32 & was checking to see what time they were going to be refueling. ROCKINROBIN: 0443 USB cgl any station this net, answered by Hickam but ROCKINROBIN never heard them. Hickam 0450 USB wkg KANTOS 60 w/pp to Fugi ops, Fugi ops stated that they were in the green and there was no mach level at this time. ETA was 3hrs 10 min. (MK) AAEH: USAV Macon (LCUh2003) 0406 USB wkg Hickam GHFS w/pp AAC2, Fort Eustis, Va, passes posn/status report (32N/7637W on course210 at 9.8k. SHADO 75: HS-130N/P "Combat Shadow" 58th SOW (AETC), Kirtland AFB 0440 USB wkg Ascension GHFS w/pp "Parady Op's(?)" re status of GHOST 09 for AR. LOOK 86: 7th ACCS/55th wing, Offutt AFB, Ne 0507 USB EC-135C LOOKing Glass a/c wkg Hickam GHFS, Hi, w/pp RAYMOND 21 (Offutt AFB) re random AR at 0615 from "the airborne". ADMW: USAV Malvern hill 1518 USB (LCU-2025) U.S. Army Transportation Corp Runnymeade class 1,010 DWT utility landing craft, cgl mainsail(1), Elmendorf GHFS answers, pp RAIDER, 1097th Trans Co, Rodman Naval Station, Panama, for posn report. HOBBY 10: C-130E 403A/815 AL, Keesler AFB MS 1627 USB wkg offutt w/pp to KEESSLER DISPATCH to report inbound w/ETA of 60 mins, req they relay this to FOXTROT. NAVY LV719: P-3B or EP-3 of VP-66 "Liberty Bells" at NAS Willow Grove, Pa 1658 USB wkg Andrews GHFS w/pp duty office, NAS Willow Grove. PAT 900: Army "Priority Air Transport 1659 USB C-20 wkg Andrews GHFS w/pp SAM COMMAND, est block time at Andrews is 1830z, w/1000 lbs on board, req they also adv protocol. Navy 511: VP-3A, BuNo 150511 1705 USB wkg MacDill GHFS w/pp Andrews Presidential, this a/c assigned to USMC HQ also heard as Navy 50511. HAMMER 21: B-52? 1924 USB wkg offutt GHFS w/pp MUDBUG (8th AF Command Center, Barksdale AFB, La) re good release of 2 weapons & flares, has 2 hung weapons in forward stations 4 & 7, will declare IFE when closer to Barksdale. NAVY LA310: P-3C(?) of VP-57 'Mad Foxes at NAS Cecil Field, Fl 2019 USB w/pp via Ascension GHFS, to unid DSN, duty office, to report ETA & adv that weapons will have to download a...'bruiser'?? Note most 3xx Navy side/nose numbers are F/A-18's. FIGHTING TIGER 746 (most likely P-3C-2II.5 of VP-7 "Tigers" at NAS Brunswick) 2207 USB cgl mainsail, no answer, normally cgl NAS Brunswick. (RB) RAIDER 12 1431 USB wkg MacDill GHFS/cgl here for radio check. SKIER 89 1432 USB wkg Andrews GHFS/pp to Holloman AFb crew cgl mainsail re left-behind personal items. RAFAIR 12L8 1516 USB wkg Elmendorf GHFS/req wx for CYQX/KCOF reading Elmendorf weakly told to QSY to 11244. DIXIE 63 1522 USB wkg MacDill GHFS to Dixie Control divert to Kelly AFb to refuel. RAIL 32 1239 USB wkg Albrook GHFS/att. pp to DSN #470-432 line busy no joy: ID on this c/s?.

11176 ANDREWS, 1514 USB as lead GHFS station, with 26-character EAM and off frequency in one of it's sites. The site turned out to belong to OFFUTT who popped up on this freq cgl some flights who were active on 11175. They appeared to correct the problem quickly. (JH) AIRMAIL: 1248 USB cgl MAINSAIL no joy. (KW2)

11178 ANDREWS 1514 USB as lead GHFS station, with 26-character EAM and off frequency in one of it's sites. The site turned out to belong to OFFUTT who popped up on this freq cgl some flights who were active on 11175. They appeared to correct the problem quickly. (JH) AIRMAIL: 1248 USB cgl MAINSAIL no joy. (KW2)

11178 Strong ANDV 1547 USB comms on freq, eventually followed by U.S. EE voice at 1554z saying "test 1, 2. test 1, 2." (JH)

11181 Sam 201 2330 USB w/man signal checks w/Andrews. Then finally a pp request to Crossbow at 2335 (LB2) OVERHEAD 1845 USB looking for NIGHTWATCH (MF2)

11214 Sam 28000 1839 USB cgl. Andrews...Andrews responds, but SAM doesn't hear... (GH) ANDREWS 1649 USB wkg SAM 375. Unid 1438 USB U.S. EE voices under now common data tones that are constantly on freq.
WUV-N02

_12 wkg ___ CONTROL ("______" was the same for both stations). (JH) SENTRY 40 2150 USB wkg Raymond 24 (Tinker AFB, OK) re scheduling w/Alpena (MI?) tower...xmsns very weak. (MJ) AIR FORCE 1: 2045 USB wkg Andrews. (PP)

11220 SAM 201 0105 USB worked ANDREWS w/pp. (JH) SAM 201 0055 USB wkg Andrews VIP for pps to SAM COMMAND & others. (JJ)

11229 NIGHTWATCH 1955 USB w/ RAINBOUND & FORTELL (GG) NIGHTWATCH 01 2031 USB worked SKILIFT. SKILIFT 1840 USB worked ARCTICFOX. OPENDOOR 1644 USB called NIGHTWATCH 01. "NIGHTWATCH. NIGHTWATCH. This is OPENDOOR. Do you copy. Over." Repeated a number of times and then gone. Not quite normal net calling procedure. Possibly not a regular net player. OVERWRITE & NIGHTWATCH 01 USB clg each other. NIGHTWATCH 01 1602 USB w/EAM string, followed by NIGHTWATCH 01 clg RIOTGUN & another station (female opr; could not make out id). At 1634z, SHAGLAND called NIGHTWATCH 01; same at 1643z, w/no response. At 1645z, SHAGLAND worked RIOTGUN. At 1648z, GRAYMARE worked NIGHTWATCH 01 & requested to check into the net. Moved to ZULU 170. ANKLEBONE & NIGHTWATCH 01 1439 USB tried to work each other w/no success. ABOUTSHIP 1722 USB called NIGHTWATCH 01, w/no response. BUTTERFLY 2342 USB worked NIGHTWATCH 01 confirmation receipt of his traffic. (JH) SHAGLAND 1914 USB wkg Andrew VIP for pps to SAM COMMAND & others. (JJ)

11232 CENTURY 62 2144 USB w/Trenton Military. GONZO 5 1537 USB w/Trenton Military (GG) VXA: Edmonton Military, CAN 2320 USB wkg CanForce 2697 w/wx for unid loc. (RB)

11244 SHELL 25: 1725 USB wkg Croughton w/pp 330-7303 (Frankfurt AMC?) diverted to Frankfurt from Italy, supposed to go to M'hall. will be expecting a SHELL 25 also. KC135. SHELL 24: 1730 USB wkg Croughton w/pp Hilda East listened to above tcf. Croughton & Incirlik: 2211 USB w/20-character EAM "FOR ABSENTLY" at 1335z & 1343z. OFFUTT, 1940 USB as lead GHFS station, w/20-character EAM "FOR TACAMO PAC SECONDARY". At 2019z, OFFUTT was back up with another EAM that he started as FOR TACAMO PAC SECONDARY but caught himself, and transmitted a "normal" string. THULE, 2245 USB weak here, w/EAM string at THULE's h+45 "repeat" EAM transmission time. Then starting at 2305z, there were EAMS at 2305z, 2311z, 2327z (possibly a 20/20/26 character EAM set), 2338z, and 2344z (a slight 6-minute pattern in here.) At 0007z a very weak station was heard w/unknown string (too weak), & at 0016z, a very weak GHFS station was apparently broadcasting the 2344z EAM string (based on a few characters heard.) MAILBOX 0020 USB C1G MAINSAIL, finally working THULE at 0021z, getting NIGHTWATCH 01 working freqs: Z175 and Z205. At 0045z, THULE w/h+45 "repeat" EAM. MAILBOX 2016 USB worked ALBROOK & req NIGHTWATCH net wkg freqs. MAILBOX did not respond to ALBROOKS reply, as he was already back up on 11494 wkg NIGHTWATCH 01. MESSEKTE 0219 USB called FORTELL for NIGHTWATCH working freqs (2175/2165z) OFFUTT 1340 USB w/20-character EAM "FOR TACAMO CENT SECONDARY." OFFUTT, 1603 USB as lead GHFS station, w/a (rare) 6/6 character EAM set (3VNP3P; 3V26RW) at 1603z, followed w/a 20/20 character EAM set at 1608z, followed at 1619z w/a single 20 character EAM string. OFFUTT 1319 USB, as lead GHFS station, w/128-character EAM: PCJTYT... (JH) SAM 375 2356 USB wkg OFFUTT, QSY 8968 for freqs. BIRDSEYE 1746 USB wkg OFFUTT. (MJ) RAFaIR 12L8 1518 USB wkg Elmendorf unable to read back to 11175. (TO)

111247 IFN 87 1359 USB Departed LDS (Split) 1305 enrt Brize Norton ETA 1545 1 selcall LM-BK Relay C. Ascot 4393 1213 USB Wkg CFW, req AKROTIRI wx. Ascot 2080 0927 USB Architect radio check. Ascot 2081 1509 USB Architect departed AKROTIRI LCR 1240/50 estimate EGNV 1750/1800 relay B selcal BL-HK. Ascot 5819 1517 USB Architect w/pp to 95236 Ext. 6337 arrive Lyneham 2230. TEST 1942 USB Cyprus Flight watch testing w/Architect both good readable. (ANUK)

11418 RMP: RUS-NY Kaliningrad 0112 0440 VVV DE RMP (ANEU)

11445 TWO JULIET 1413 USB clg ? for a radio check. On briefly & gone. (JH)

11460 IFOR 44: 1345 wkg Andrews. Freqs=primary 867 (6830kHz), secondary 295 (11460 kHz) QSYed to F867 (CH) SAM 201 1652 USB wkg Andrews. (MJ) TROUT 99: 2350 USB wkg Andrews w/incoming call from BLADE RUNNER. (RB)

11494 DEADBALL (or DEADBOLT) 1626 USB worked NIGHTWATCH 01 & to DEADBALL.)
Moved to 2225, found to be 13907.0. Freq also active w/PARKHILL-type comms, AMBITIOUS 2353 USB worked NIGHTWATCH 01, complained of too much "noise" (swbc qrm) on Z185 (9809). ABRUPTION 0002 USB worked NIGHTWATCH 01. At 0127z, ASSISTANT worked NIGHTWATCH 01 for a signal check. NIGHTWATCH 01 1716 USB worked ARCTICFOX. LIFEBUOY 1814 USB worked NIGHTWATCH 02, & into a discussion of "mode lsom LIMA FOXTROT." (low frequency.) At 1926z, LIFEBUOY worked NIGHTWATCH 02, & mentioned "negative receipt of 9 and 15 mode". More vlf/lf chatter apparently, w/maybe NIGHTWATCH 02 sending to LIFEBUOY. At 2012z, MAILBOX called NIGHTWATCH 01, with not response. MAILBOX popped up on 11244 to get a pp to NW01. NIGHTWATCH 01 2140 USB worked VAGABOND. At 2146z, NARCOTIC worked RINGBONE. At 2152z, they were into ANDVT comms. During the digital "scratch", there was a brief period (second or so) of "clear" voice: "Roger, we have good __" and into digital again. CATHEDRAL 1641 USB called NIGHTWATCH 01, w/no response. At 1753z, CATHEDRAL worked NIGHTWATCH 01, and this freq was made primary. CATHEDRAL then went into monitor-only mode for one hour. NIGHTWATCH 01 told CATHEDRAL to use "GLOBAL pp" if he could not raise NIGHTWATCH 01 when he was back up. (JH)

11605 VEX: CFB(? ) Penhold, AB, CAN 0208 USB wkg unid CIX204 w/comms ck on "Ch.5", strength 2, try Ch.4 & passes freq of 10920. (RB)

12185 VEX: CFB(? ) Penhold, AB, CAN 0206 USB wkg unid CIX204 w/comms ck on "Ch.6", adv still too weak, QSY Ch.5 & passes freq of 11605. (RB)

12984 4XZ: Halfa 1707 CW, ISN MKR: DE 4XZ (JS3)

13116 RAN Nowra control 0555 USB wkg Darwin w/priority Austcost msg. (AW)

13200 Spar 65 1527 USB Croughton (VIP) terminating phone patch (BH)

Croughton: 2212 USB w/all freq req for Reach 70045 (CH)

13206 AUSSIE 241 0529 USB worked AIR FORCE SYDNEY. Both at fair to good levels here. AUSSIE 241 may have been active about 30 minutes earlier on GHFS wkg ELMENDORF. (JH) PACAF 01 0540 USB wkg Air Force Sydney for runway conditions, etc. at Richmond. (JJ)

13217 SAM 27000 2151 USB ent to the Philippines, wkg Andrews VIP forpps to the Pentagon and Hickam AFB. (JJ)

13242 OVERWRITE 1616 USB worked NIGHTWATCH 01. CATHEDRAL 1644 USB worked NIGHTWATCH 01, & enters the net. (JH) PACOM 01 1658 USB wkg Hickam Global, QSY to 9016; ETA Hickam 1935z. Then on to Andrews; ETA 0535z (JJ)

13245 SKILIFT 1841 USB wkg ARCTICFOX. (JH)

13248 SAM 201: USAF C-20B tail 86-0201 0018 USB wkg Andrews VIP w/pp Andrews meteo for wx Pax River for 0045z. (RB)

13440 SAM 682 0336 USB wkg Andrews VIP for pp. "ETA to home station 0450z." They also checked 11220 for possible secondary freq. SAM 682 0336 USB wkg Andrews VIP for pp ETA to home station 0450. Checked 11220 for possible secondary freq. (JJ)

13907 DEADBALL 1627 USB worked NIGHTWATCH 01, w/NIGHTWATCH 01 setting freq as current primary. (JH)

13927 AFF2CP Lexington, KY USA 2218 USB wkg B8N (Unid.) (IB)

14355 Unid 1210 USB Either CAN or USA mil. 2 OM/EE. Considerable fading out. Occasionally covered by fading in of Bracknell Meteor RTTY xmsn. (RM)

14441.5 NNNOCUB: USS Arthur W. Radford (DD-968) 0018 USB w/NNNOUTO (Sean Malone-MARS shore station in Republic WA) switching to 14467 w/pp. NNNOCYL: USS Kidd (DDG-993) 2128 USB w/NNNONUW (MARS Shore Station Whidbey Island, WA) w/ pp traffic on 14467. NNNOMCI: USS Robert G. Bradley 2231 USB c1n any shore station for pp traffic-no joy. NNNOCZI: USS Merrimack 2135 USB w/NNNOKRO (Shore base Cincinatti OH pp traffic. NNNOMCL: USS Legueen NC 2015 USB w/NNNPROQ (Shore base Caneyville KY) re Afloat Net procedures. NNNOCZR: USNS Powhatan 2102 UTC USB w/NNNOSNW (Shore base Inverness, FL re pp, switch tp 14467 but too much "interference from teletype". NNNOCOL: Unid ship 2105 USB w/NNNOHLQ. NNNOCAA: Unid ship 2126 USB w/NNNOUTO tx to 14467 for pp traffic. NNNONOMCI: Unid 2135 USB seeking shore stations. NNNOCYL: USS KIDD 2156 USB w/NNNOUTO tx to 14477 for pp traffic. NNNOCBE: USS Leyte Gulf 0211 USB c1g for pp, later working NNNOCCL (Unid). NNNOCR: USS Essex 2015 USB wkg NNNONUW (NAS Whidbey Isl WA) re radio problems. NNNORRC: Unid shore station 0105USB offering pp services no joy. (MR2) NNNOCUB: USS Arthur W. Radford 2239 USB (DD-968) c1g ASSMS w/beam heading of NE for routine pp traffic. (RB)
WUNhv02

14467 WNNOCOW: USS Trenton (LPD-14) 2340 USB w/NNNOUTO (Sean Malone-MARS shore station in Republic WA) w/pp (MR2)

14470 WNNOCRK: USS Ponce (LPD-15) 2214 USB w/NNNOLQ (MARS Shore Station-Wimberly TX) w/pp traffic. WNNOCOL: 2223 USB (Unid ship) w/NNNOLQ (MARS Shore Station-Wimberly TX) w/pp traffic. (MR2) WNNOCZR: USNS Powhatan 2042 USB (T-ATF-166) concluding pp tfc w/NNNONWV, NAVSECGRAPT, Sugar Grove, WV. (RB)

14780 VEX: CFB(?) Penhold, AB, CAN 0205 USB wkg unid CIX204 w/comms ck, req he try ch.6 & passes freq of 12185. (RB)

15015 KING 74: 1345 USB wkg MacDill pp Minuteman h ops info a/c tail #50917. (KW2)

15016 REACH 0158: 1754 USB wkg bad sig but were a C141 @65.39 W. SPAR 84: 0100 USB wkg Albrook told them to try 9016 then 1175. SNIFF 67: 1310 USB wkg Ascension w/pp Ramstein metro. posn N4046, E1730 - C9 a/c. Andrews & Lajes: 2211 USB w/all freq req for Reach 70045 (CH) NIGHTWATCH 01 1414 USB worked MACDILL w/pp to a common DSN 939 number. (JH) REACH 43409: 1236USB wkg MacDill pp Dover metro re-initiated however lost contact again. (KW2) Lima Lima 31 2341 USB w/pp through MacDill. (LB2) (P-3C or UP/TP-3A of VP-30 "The Pro's Nest", NAS Jacksonville, FL -LOGS) Albrook 2034 USB w/pp to ADMW for RAIDER. ASCOT 5851 2043 USB C141 Lajes & Rogers(?) radio, nothing heard. Albrook 2047 USB w/pp for CAFJ 2 to DSN#791-6150/791-4272/791-3592-Army Ops. Ascension 2141 USB w/pp to ADMW to RAIDER (MF2) KING 22 1619 USB wkg MacDill w/pp for wx at Bermuda. (MJ)

15046 NIGHTWATCH 01: 2205 USB wkg REITERATE w/rdo cks "on Z230". (RB)

17108 EBA: SN MADRID 1610 CW Marker, at 1620 navigation wngs at 17wpm for NAVAREA III. In EE repeated in SS. (DW)

17973 HiCkam 0241 USB Global signal checks with PACAF 01 for new primary freqs. USB wkg from 15043 & prior to that move 1324. (JJ)

17976 JAPAN NAVY 5030 2149 USB "MAINSAIL,MAINSAIL this is JAPAN NAVY 5030, how copy?" (GG)

18018 Ascot 5424 1050 USB CFW w/pp to Ext. 6558 Lyneham, enrt Harare req High Commission rep. meet aircraft w/10,000USD for fuel, airport taxes & accom. Ascot 4802 1118 USB Departed Lyneham 0745 15E at 1115 est Akrotiri (Cyprus) 1410 selcal AK-CM. Ascot 3740 0924 USB wkg CFW, posn 15E 0825 destination LCRA ETA 1025 relay D selcal DH-KM. Ascot 3741 1337 USB wkg CFW, departed Akrotiri 1245/55 est 15E 1500, ETA EGVN 1740/50 relay D selcal DH-KM. Ascot 9201 1504 USB Clg CFW no reply. (ANUK) RAN Akrotiri CYP 0615 USB WX report to the area. (AW)

18801 SAM 201 1647 USB wkg Ascension, QSY 15016 to get frequencies...295 pri, 291 sec. (MJ)

=MISC=

3089 SYN2: 2149 repeating SYN2 SYN2 etc (JM3) (Mossad but should be only one ID -LOGS)

3314 HEP3: Swiss Police, Zurich 2207 CW, "vvv vvv vvv de hep3 hep3 hep3 ar" (MC)

4020 Unid: 2333 LSB w/broadcast of 'Cleveland Indians' (OH) baseball game, live, poss MARS related?. (RB)

4463 Unid 1905 USB-Number station- EE-fem voice op 5 letters gp (MS4)

4560 Unid 1945 USB-Number station- EE-fem voice op 5 letters gp (MS4)

4930 Unid: 0855 LSB Russian number stn.First the word Friday in RR then 21654 repeated twice,followed by Thursday in RR and 5FG's in RR.Unusual,first time heard. (AW)

5153 Numbers Statio: n (CIA Counting?) 0244 USB YL/EE w/msg for "759", off w/"end". (RB)

5170 Numbers sta 0150 USB Female phonetic numbers (letters) stn, ended broadcast just as I tuned in, I didn't have a pencil, but recall thinking I heard Kilo, Xray, plus two other characters/phonetics. (MS2) (Mossad, was last known using MIW2 -LOGS)

5211 KPS396: ? Orlando FL 2222 USB wkg a weak MARS station (JM)

5256.5 Unid (illegal?) 0140 USB EE language net sounds a lot like a bunch of truckers w/CBS, with that 10-4 good buddy drawl. Any ideas? (MS2)

5278 ZLCL5: 0945 USB Red Cross Disaster Relief mobile unit working ZLCL Red Cross Auckland. ZLCL5 providing first aid support for Rally of
Radio Alma in USB w/phone links between hunting & fishing camp from northern Quebec. Very active between April 1 & October 30, mostly in FF, but some EE, also serve as forest fire situation, emergency for medical assistance, & evacuation warning (fire). (AP) Alma Radio, Montreal 0155 USB w/FF language pp's to north country. (MS2) CGD206: Alma Radio, Quebec, CA 0122 USB w/R/T calls to bush phones in FF. (RB)

Numbers Sta: Unid 0130 USB YL w/ British accent w/5LG's. (RB)

Unid: 0902 USB Filipino phone net, Mentioned American Radio (AW)

Unid: 0955 USB Filipino phone net (AW)

Unid: 0720 USB Pacific Island phone net (AW)

LN2A: SVEIO BEACON 2133 CW Beacon with cw ID LN2A and other short bursts of regular data. Then off air 2135. (DW)

JGY: Sanwa, Japan 0915 CW Time pips. (AW)

Unid 2333 USB 2 OM/SS (RM)

Unid 0906 USB Filipino phone net, Mentioned American Radio (AW)

Unid 2334 USB OM/SS comms w/YL (RM)

Unid 1121 CW 5LG using ANDUWRIGMT for cut mbns 1-0. Ends 1124 w "ar ar ar as as as." (RM)

Unid 0128 USB Net/SS. Maracaibo frequently mentd. (RM)

Unid 2345 USB net/SS (RM)

Unid 2346 USB 2 OM/SS (RM)

Unid 0735 USB Pacific island phone net. In Aero band. (AW)

Unid 2348 USB net/SS (RM)

Unid 1115 USB EE number station YL giving 3-2 numbers (AW)

Unid 0003 USB OM/SS comms w/YL (RM)

KCI615: ARC Falls Church VA 2103 USB wkg a FEMA station (JM) KEM80: 1222 USB wkg WGY 912 radio ck -- 80 id agency as FAA Emergency Ops Center Washington D.C. (KW2) WUG (US Army Corps of Engineers, unkn loc) FCC 1826 WGY 912 (FEMA Mt Weather EAC) w/commo check. WUG indicated that he would check with his stations in Wilmington (NC) & Savannah (GA). WUG also told 912 that his station in Norfolk, VA, WUB5 would be manned and ready for the arrival of Hurricane Bertha. KGD34 (National Coordination Center of the National Communications System, Arlington, VA) 1826 USB wkg WUG w/commo check. AFA1PZ 1842 USB clg WGY 912, with no joy. (MJ)

Unid 1141 USB lady reading 3/2 letter grps (EW)

Unid 0033 USB 2 OM/SS (RM)

Unid 0740 USB Pacific Island phone net. (AW)

BND number station 0900 USB tfc. to 'Mike Delta' (ANEU)

Unid 1632 USB w/rolling code speech inversion (RM)

PCW1: Dutch MFA, DenHaag 1809 CW, "PCW1" marker plus SITOR phasing bursts (MC)

RGT77: unid 0855 CW or someone clg RGT77, sent: XXX RGT77 0904 BORONNIK 9021. (JD2) (RGT77 was also an unid CW on 7774, boronnik transliterated is borovnik -LOGS)

K1WW: NCS, Radio Readiness Group 1700 USB wkg stations in San Juan, Bahamas & Caribbean w/info re Hurricane Bertha. (RB)

401: UN Disaster Net 1845 USB wkg Ham stations from Barrier Islands, Burford SC & Bahamas w/info re Hurricane Bertha. (RB)

Caribbean Health & Welfare Net 2226 USB wkg ham in Bahamas reporting damage from hurricane Bertha; reports damage to east side of island
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& he is on a generator. (RB)

14370.4 Uni 1215 USB OM & YL in Italian (RM)
14375 Uni 1217 USB OM/SS in dpx xmsn w YL on 14390. Strong sig on both ends (RM)
14418.3 Uni 1226 USB 2 YL/SS comms (RM)
14425 Uni OM/YL: 2304 USB w/chat, at first thought it was a MARS pp, but at conclusion they signed off w/goodbyes, no ID, & no conclusion of pp, reference made to Fort Bragg. (RB)
14450 Uni 1230 LSB 2 OM in unid. lang. (RM)
15862 Uni 1105 USB -Heavily jammed Number station -EE-fem voice 5FG. (MS4)
20947 8BY 0959 CW VVV VVV VVV DE 8BY (JS3) (French Intelligence Svc -LOGS)

Contributors:
(AB) Ary Boender, Spykenisse, The Netherlands
(AB2) Art Blair, Orangevale, Ca, USA (by mail): NRD515, M-7000
(AB3) Andrew Brill, Auckland, New Zealand
(AD) Alan Doherty, N.Coast, Ireland
(ANE) Anonymous, Eastern Europe
(ANEU) Anonymous, Europe too
(ANUK) Anonymous, In UK
(AP) Andre Plourde, Trus-Rivieres, Que, CAN
(AW) Alex Wellner, Sydney, Australia: Kenwood R5000
(BH) Bart Hoekstra, Leeuwarden, The Netherlands: Lowe HF-225
(BVR) Bert van Rij, Naaldvijk, The Netherlands
(BWS) Brian Wayne Scott, Denton, TX, USA: NRD535D, IC R7100
(CH) Carl Hender, Suffolk, UK: IC R72, JVFAX, HAMCOMM
(CK) Costas Krallis, Athens, Greece: Yaesu 7700
(DG) David W. Gentile, central UK: Kenwood R5000, Hoka Code 3
(DW) Davy Watson, Clevendon, UK
(DW2) David Wright, San Angelo, TX, USA: DX390, Grundig YB400, Univ.M-1200
(ES) Eric Sillick, Toronto, ON, CAN: Hoka Code 3 Gold
(EW) Eddy Waters, Collinswood, Australia: NRD 525, R8, Hoka Code 3
(FH) Fred Hetherington, Ormond Beach, FL, USA: M-7000 (by mail)
(GG) Gary Glaze, Willamette Valley, Or, USA: DX440
(GG2) Greg Gilbert, Marietta, Ga, USA
(GH) Gary Hahn, Milwaukee, Wi, USA
(GT) Graham Tanner, London, England
(HOOD) Robin Hood, UK (by mail)
(IB) Ian Baxtor, Blackburn, England
(IM) I.J. Moth, UK
(JD) John Doe, London, England (by mail)
(JDS) J.D. Stephens, Memphis, Tn, USA: Drake R-8
(JH) Jeff Haverlah, Houston, Tx, USA: R5000/R7/FROG7/RFB65
(JJ) Jeff Jones, CA, USA
(JL) Jim Lawrence, Websterville, VT, USA
(JM) Jack Metcalfe, Danville, Ky, USA: Drake R-8, AEA DSP-1232
(JM3) John Morrison, Glasgow, Scotland: HF-225
(JP) Jacques Pagnoux, western France: NRD535, AOR3000A
(JS) John Svendsen, Sarpsborg, Norway: Phillips D2935
(JSM) J.S. McDonald, Port Coquitlam, BC, Canada: R71A, M6000
(KN) Kevin Nice, UK: Plessey/Lowe receivers, Hoka/Hamcomm/JVFax decoders
(KS) Keith Stein, Woodbridge, VA, USA: Sony ICF2010
(KW2) Ken Windyka, Springfield, MA, USA: Sony ICF2010, Yaesu FRG100
(LB2) Les Butler, Walled Lake, Mi, USA: Icom R-72
(MC) Mike Chace, Bath, UK: Hoka Code 30
(MF) Mike Fink, S. Florida, USA: Drake Sw8
(MJ) Mike Jacobs, Allentown, Pa, USA: R5000
(MK) Mark Kirker, NY, USA: Sanagene 803
(ML) Murray Lehman, Perth, Australia: Icom R-71E, M7000v7, M8000v5
(MM) Michael Marten, Germany: IC R9000, R7100, R100
(MMM) Michael Mullott, central Missouri, USA
(MR) Michiel Rivkin, Pamona, NY, USA: JRC NRD535D, Hoka Code 3
(MS) Matt Stutterheim, New London, Ct, USA: (2)IC R71A's, R7A, R9000
(MS4) Mohammad Sultan, Port Louis, Mauritius: NRD535D, Universal M-1000
(MSS) Mark Schoonover, San Diego, Ca, USA: Kenwood R-1000, PK232MBX, JVFAX
(PP) Phil Potts, San Diego, Ca, USA: Drake R-8
(PT) Peter Thompson, Crewe, Cheshire, UK: Lowe HF225/Universal M-7000

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(RB) Rick "RD" Baker, Austintown, Ohio, USA: Icom R71A, Icom R72, M-1000, Hoka Code 3 (temp use of second R-71A)
(RC1) Ray Colbert, El Paso, TX, USA
(RD3) Rob Davies, Northwich, Cheshire, UK: NRD535
(RH2) Robert Hall, Cape Town, S. Africa: Icom R-71E, M7000 v.6.03
(RHB) Richard H. Brown Jr., Warwick, RI, USA: Icom R70/NRD525/NRD535D/M7000
(RM) Robert Margolis, Lake Forest, IL, USA
(RP) Roger Pettengill, USA
(RT2) Robert Thompson, Kilgore, Tx, USA: R390A, FRG100, R-8, NRD535D, M900/M6000v9 Hoka Code 3
(SB) Steve Bottom, Cairns, Australia: FRG7700
(SF) Steve Fisher, SE Ohio, USA
(TB) Tim Braun, Haymarket, Va, USA: FRG-100
(TO) Tony Orr, Reston, Va, USA: Lowe HF150, Datong FL-2
(WP) William Phillipson, west coast USA: Conversion research WR-3
(WT) Wade Taylor, Glendora, Ca, USA

Abbreviations Used
// Parallel with Frequency pp Phone Patch
5FG's 5 Figure Groups PP Polish language
5LG's 5 Letter Groups R/T Radiotelephone (ship/shore fone)
a/c Aircraft rdo Radio
ARP AIReP or Air Report re Reference/Regards
ck Check req Request
cud Could RR Russian language
dep Departed SAR Search & Rescue
dx duplex sta Station
EE English language sx simplex
enrt En route tcf Traffic
f female TG's Telegrams
FF French language tlx telex
GG German language unid Unidentified
hrd Heard unk Unknown
m male vsl Vessel
msg Message w/ with
MIB Maritime Info Broadcast wkg Working
nx News wx Weather
posn Position

=END=

============================================================================
| WORLDWIDE UTE NEWS Club |
| An Electronic Club Dealing Exclusively in Utility Stations |
| WUNNEWS Vol. 2, No.09 September 1996 |
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Edited by Richard Baker
WUN Electronic Edition Editor
utelistener@msn.com
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If you have problems in this, or need further information contact Rick Baker at: utelistener@msn.com or ae411@yfn.ysu.edu

That's all it takes. There are no dues. A paper copy of the WUN Club newsletter can be obtained via our WUN publisher, Tim Braun, at WUN
MEMBERSHIP NEWS
Mike Wolfson, Membership Director
mwolfson3@bright.net

Welcome to the WUN Membership News for September. The number of members we have subscribing this month has gone up. Membership to the WUN and to the WUN-DIGEST list has climbed since August. Below is a detailed membership breakdown for last month, this month and one year ago.

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As promised, I have conducted a survey of the decoding gear that contributors to the WUN database are using. The largest number of responses, 56, came from members who do not have any decoding capability. On the other hand, the most popular decoding setup was some variation of the JVFAX software/interface combination. This alternative was being used by 44 members. The next most popular decoding alternative was the HOKA Code 3 with 31 people using that hardware/software combination. HAMCOMM came in third with 32 people using it. The PK-232 was the next popular decoding solution being used by 18 members and 12 were using the Universal M-7000. At this point, the number of users of a specific decoding package dropped off rapidly. The Universal M-1200 and the HOKA Code 30 were tied with 6 users. After that all of the other solutions were used by less than a handful of users. In all, members listed a total of 51 different types of equipment or software.

I'd like to thank everyone who has taken the time to send me information for the database. Next month I'm going to repeat a survey I did several months ago and prepare a list of how many members we have from each country. This survey will be for the entire membership and will include the WUN-DIGEST and WUNNEWS lists. If you would like to be included in future member surveys, you need to supply me with information for the member's database. If you want to become part of these surveys, please answer the questions.
asked in the member's survey. Here is the survey:

E-Mail Address
Name
Where you're located (state/Province, Country)
Main receiver(s)
Main decoding equipment (HOKA, JVFAK, etc)
Monitoring interests (aero, marine, etc)

The information will not be shared or used by anyone except club officers for club purposes. The database management program I'm using can accept ASCII text. I am requesting that you answer each question on a separate line followed by a carriage return. Please do not include the question itself in the answer, just the information requested. If you're sending me a revision please indicate that in your e-mail.

That does it for September. Have a good month and I hope your monitoring is successful. Mike

===========================================================================

INTERNATIONAL CIVIL AERO
Editor: Tony Orr, 11404 Turnmill Lane, Reston, Va, 20191-3618 USA
E-mail: tony.orr@wdn.com or tourjet@ix.netcom.com
Fidonet: 1:109/236

Co-Editor: Peter Ivakitsch, 4357 Bloor Street West, Unit 19, Etobicoke, Ontario, CANADA M9C 2A4 E-mail:peter.ivakitsch@westonia.com
Fidonet: 1:250/930

Here we are again with yet another edition of International Civil Aero. We'll be your hosts for another small turnout this month: 0. We'll be hoping to receive a few more contributions next month as the DX season gets underway and many airlines change flight schedules. We have no column yet again from Vic Gubbins and I have been unable to contact him. If anyone has heard from him lately, please drop one of us a line at the above address. Thanks to those WUNners who have contacted me via post, your logs will be forwarded to the appropriate editors! Now on to the info...

MORE LDOC FREQUENCIES

Some more interesting LDOC frequencies would seem to be in order this month, as interest in these stations is always growing: one frequency to watch, especially on weekends is 8900 and is used by Canada 3000 c/s Elite. One can hear most anything here, from routine ETA reports and weather requests to reports of unruly pax and crew scheduling...Springbok Radio Johannesburg, widely heard on both 5532 and 8933 among other frequencies not only serves the South African Airways fleet, but also serves the likes of Air Namibia, Alliance, the occasional VARIG flight, Air Mauritius, and South African and Namibian bizjets. The Springbok fleet to and from Europe and North America checks in every hour on the top of the hour en route, while flights to and from Asia and Australia usually check in at half past the hour, and South American flights will call at approximately 45 minutes past the hour. Speedbird Radio London (5535/8921/10072/13333 are among some of the more active freqs) is of course British Airways' LDOC station. But did you know that a host of other airlines, including but not limited to Emirates, Saudia, USAir, and Air-India also use the services of Speedbird? Stockholm Radio LDOC (5541/8930/11345) serves a wide variety of airlines around the world, and it is possible to hear flights ranging from Asia to North America using these frequencies. In one recent DX session, I heard Air Europa, Air France, World, Tower, Delta, EVA Air flights working Stockholm. Unfortunately, according to a report from the excellent aviation bulletin Scramble in the Netherlands, KLM has abandoned all it's LDOC operations out of Amsterdam in favor of VHF and ACARS transmissions. Last but not least is Flight Support Lima, American Airlines' LDOC on 5535 and 11306, which also serves as home to Tower Air and some other smaller airlines. When conditions to Central and South America are favorable, it is possible to log almost every AA flight heading South. Communications consist of an initial contact with selcal check and position reports at usually four points along the way.
In the news this month, KLM has decided to eliminate service to Calgary eff. October 26th. 3 weekly MD11 flights will continue to ply this route until suspension. Listen up for KL683 AMS-YYC and KL682 YYC-AMS. The flight skeds and numbers are finally in for the new VIRGIN ATLANTIC service to Johannesburg. VS601 LHR-JNB departs 2145 and arrives 0000+1 on Mondays/Fridays and the return VS602 dep JNB 2000 and arr LHR 0635+1 on Tuesdays/Thursdays/Saturdays, with the departure time changing to 215 effective October 26th. A newly-acquired Airbus A340 will be used on the route. DELTA has quite an extensive schedule across the Atlantic, and we've decided to feature a handy list of flight numbers, routes, and equipment in two parts, part one to be presented below:

```
DL10  ATL-LGW  MD11
DL11  LGW-ATL  MD11
DL12  ATL-LGW  MD11
DL14  ATL-FRA  L15
DL15  FRA-ATL  L15
DL19  LGW-LGW  MD11
DL20  ATL-FRA  MD11
DL21  ORY-ATL  L15
DL22  ATL-ORY  L15
DL27  FRA-ATL  L15
DL30  JFK-SVO  763
DL31  SVO-JFK  763
DL32  ATL-MUC  763
DL33  MUC-ATL  763
DL36  CVG-LGW  MD11
DL37  LGW-CVG  MD11
DL38  ATL-AMS  L15
DL39  AMS-ATL  L15
DL40  MCO-FRA  L15
DL41  FRA-MCO  L15
DL43  ORY-CVG  L15
DL44  CVG-ORY  L15
DL48  CVG-FRA  MD11
DL49  FRA-CVG  MD11
DL57  FRA-LAX  MD11
DL58  LAX-FRA  MD11
DL60  IAD-FRA  L15
DL61  FRA-IAD  L15
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And with that we'll end this edition of ICA. As always we appreciate your comments, criticism, and of course your contributions to this column. Here's hoping that Autumn brings better DX to your door!!! 73!
SATCOM. What antenna should I use? A discone with amp, or what? I will be using a Pro-2006, and an AOR AR-2002. I used to hear them clear as a bell in my old apartment closer to Atlanta, on 248.925, and 249.325 (Norad). But, since I moved, I can't seem to find them. I'm sure it has something to do with the fact that I am surrounded by trees. I would like to know recommended antennas, and azimuth and inclination parameters so that I know if something is blocking my line-of-sight reception. I am very interested in listening to the anti-narcotics and special ops people from Hurlburt Field, in Florida. They both utilize SATCOM extensively. Any help will be much appreciated. Thank you." Bob Langley, bob@benserv.com Lawrenceville, GA

Bob, I've just become aware of a VHF/UHF scanner list that may be what you seek. It's called SCAN-L. The subscribe procedure is to send e-mail SCAN-L@UAFSYSB.UARK.EDU and in the body of the message type: subscribe scan-l (your real name), your real name is really your own personal name without the quotes. As for your UHF SatCom questions, we will see what the members say.

Next Alex Wellner down in "Oz" is seeking help in this manner:

HELP WANTED. Wanted an ITU publication called "List of fixed stations operating international circuits" It used to be number II on the ITU lists. My copy is dated 1977 and I would like a later copy. Must have the frequencies listed. If anyone can help me, I will pay a fair price plus postage. ALEX WELLNER alexw@zeta.org.au or c/o Alex Wellner, 1 Bonus st Bondi 2026, NSW Australia.

Ok, there you go...next we move on to Mike Fink down in southern Florida who seeks this info:

"I've been hearing the callsigns "Bear & Coil" on UHF lately, any idea who they belong to? Does anyone know who uses the callsign "Shark" out of Homestead? And yes, I know Shark is used by transports out of Howard but the Homestead user is a fighter, maybe an F16 ADF version. I do know that MAKO is used for there AFRES F16's, and I think some F15's have been based at Homestead lately. Whoever uses the SHARK callsign flies in pairs and flights and regularly hooks up with tankers to aerial refuel." Mike Fink, 16591 Royal Poinciana Ct, Ft.Lauderdale Fl 33326, USA or mikef@shadow.net

Bound to be somewun (hi!) down in that area who has a clue who can help Mike. Next Matt Hassock Ask's WUN:

"I'd like to know about the listening strategies of experienced ute listeners. For instance how much do they rely on known frequencies and how much time is spent searching for new ones. When searching for new frequencies how slowly do they change frequency and over what range? How are are needed to be really effective. etc. For the record, my current strategy because I don't get much shack time is to find an interesting frequency - usually from WUN posting's and record 12 or 24 hours onto hard disk using the Syntrillium Cooledit95 program then check for activity in hourly chunks using the spectral analysis mode, zoom in, filter the noise if necessary and log it. The link to this site for this is now on the WUN Web page (I think) otherwise try a search for the syntrillium homepage on altavista. Its a truly great piece of shareware, amplitude and spectral analysis, filtering and dynamic noise reduction and a maximum file size of 1 GB."

Personally, I've found that using a computer control program really increased my 'snags'. I have files pre-made for day and night general listening, digital search's, Share's exercises, USCG activity, USAF Mystic Star, etc. I've settled on file sizes of 150 frequencies or so if I can. I have one file which contains 1,019 frequencies, but the time needed to get through it is quite a bit! I now go 85% with computer control and spend maybe 15% of the time just 'looking around'. I like to start high a work low several Mhz at a time to see where the band is. Before I had the computer control, adding my 101 channel Icom Rh72 really helped me too. I had only 32 memories in the R-71. The program Matt describes sounds pretty interesting and I'm going to look into it. How about other ute station sleuth advice? Let's hear what your method is. Kees Miedema seeks enlightenment on the woe's
"As I still have a lot of troubles between my PC and my Receiver, a Lowe HF-150, I am searching for tips to reduce the interference between them. The interference is very high, on certain freq's, I can hear it on the receiver when I move my mouse!! The setup over here:

PC is a TRUST 486DX2/66, monitor a Highscreen MS 1457 LE-II (MPR2)
Operating System OS/2 Warp...Receiver is a Lowe HF150, about 3 Meters from the PC antenna is a Grahn GS2 Active Magnetic Loop, about 5 Meters from the PC...It won't help if I turn off the monitor, or disconnect the mouse, I tried and changed all boards in the PC except the mainboard. It stops when the PC is off, then all is clear as it should be. Even other antenna's do not make things better. As I use my computer with HOKA Code3 you can imagine what I am going through HI. Before on another location I used the same setup, and never had any problems so I can't think of a reason. I did try advice listed in an earlier Ask WUN column where the system switched to Windows NT and the resolution was at 640 x 480, still tons of hash, but when changed to 800x600, it was better, and then to 1024x768 it was almost gone for that fellow. I also tried this one and it seems to work a little, only tried in on MW for now, gonna find out more about it later on. Tried also a dipole, but that was even worse, bought the magnetic-loop because this would be great, but can't agree with that idea." Thanks for any ideas, Kees Miedema, Deventer The Netherlands.

Ideas anywun? Eddy Waters, also down in "Oz" is after a solution to this problem:

"Anybody out there who can lend assistance for a hardware problem I am having. I have connected my WJ-1000 to a computer control program. I have connected everything correctly but I can't get the radio to respond. I have set the dip switches on the radio as per the manual but he only response I get when I try to run the program is error 62 beyond string and error 12 var t1 not found. It is a problem only with this radio, I connected everything up to my r7100 and it works fine. The program is from Switzerland and is called Shoc Software.

Eddy Waters elwaters@academy.net.au

Whoa....tough one! Not a ton of WJ-1000 users out there in WUN land. But maybe someone can help....

(ed note just before press time, Eddy wrote that he had found his problem, here is what he found): "The problem was the nine pin cable from my ps/1 connecting to the WJ had the transmit and receive data on the wrong connections. The Transmit pin MUST be 2 the RECEIVE must be pin 3 and the ground pin 7. The standard nine pin cable here is Receive on 3 transmit on 2 so of course the radio wasn't talking to the computer. I still am disappointed that neither the software manufacturer or the radio manufacturer didn't email me to say they were trying to find out what the problem was."

Ok, that's it for this time. If you reply by e-mail for any of the questions, remember to cc a copy to me at utelistener@msn.com so we can share the reply with all via this column. If your a paper version WUN subscriber and want to offer information, drop me a note at my address listed on the Logs Column and I'll pass it along.
VFT revisited

After Day Watson's item about the UK DCN-VFT system in the May newsletter, lots of questions were asked. That's why Day posted an explanation recently:

10890 kHz is the suppressed carrier (F0) of the USB supporting an 8 channel VFT. ALL channels are 340hertz NOT 170hertz. And each adjacent pair of channels are interleaved ie 1 and 2, 3 and 4, 5 and 6, 7 and 8. Each channel has a MARK and SPACE tone within the USB located positive with respect to the F0.

The following table shows the tone for the mark and space of a given channel and the mid position (Ch/centre) for that channel.

<table>
<thead>
<tr>
<th>Ch</th>
<th>Mark</th>
<th>Ch/Centre</th>
<th>Space</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>425</td>
<td>595</td>
<td>765</td>
</tr>
<tr>
<td>2</td>
<td>595</td>
<td>765</td>
<td>935</td>
</tr>
<tr>
<td>3</td>
<td>1105</td>
<td>1275</td>
<td>1445</td>
</tr>
<tr>
<td>4</td>
<td>1275</td>
<td>1445</td>
<td>1615</td>
</tr>
<tr>
<td>5</td>
<td>1785</td>
<td>1955</td>
<td>2125</td>
</tr>
<tr>
<td>6</td>
<td>1955</td>
<td>2125</td>
<td>2295</td>
</tr>
<tr>
<td>7</td>
<td>2465</td>
<td>2635</td>
<td>2805</td>
</tr>
<tr>
<td>8</td>
<td>2635</td>
<td>2805</td>
<td>2975</td>
</tr>
</tbody>
</table>

From this you will see that the Mark tone of the upper channel of the pair locates centrally between the tones of the lower channel of the pair and that the space tone of the lower channel of the pair locates centrally between the tones of the upper channel of the pair.

Channel 1 of these systems is the order or engineering channel. 50bd RTTY normal. Idles with the mark tone active. Patience will bring the occasional engineering exchanges. The RF channel centre for say channel 2 is F0 + 765 or in this case 10890 + 0.765 = 10890.765 khz.

With simpler equipment tune to this with a narrow filter (340-500 hz) to isolate the channel's mark and space tones. This will pass three tones - remember the one between this mark and space from the adjacent channel. Carefully attenuate with your notch filter. Some of these VFTs are full of QBF/RYI markers - assumed standby links in case the big bird's lead-acid accumulators fail. The one's on the London/Gibraltar links carry channels with a variety of modes of which two may be found in the clear.

Which ones? - now that would spoil your fun.

African report

Robert Hall from Capetown, RSA, recently joined WUN and has some news from several African countries. This is what he sez:

==> Bad times in Banou by Robert Hall
The recent fighting in Banou in the Central African Republic caused a big increase in traffic between the French Forces Libreville and Paris. The French had some 1500 soldiers in and around Banou who became involved in peacekeeping operations in that violent area. The following is an example of signals logged within just 30 minutes in May 1996, all on 16262 kHz using ARQ E3 at 192/390. French Forces in Bangui normally transmit on 15860 kHz in ARQ E at 72/388 but, strangely, nothing was heard on this frequency during the troubles.

13.05 UTC RFTJD FF Libreville w 5Lgps to RFFUAJ Villacoublay (Paris)
13.09 UTC RFTJD FF Libreville w 186 5Lgps to RFFUAJ, RFFXI (FF Bangui), RFFXIA (Bangui), RFGW (MOD Paris), RFTPA
13.23 UTC Paris w A1945 Paris w "CdeV" on HAI circuit
13.25 UTC RFTJD FF Libreville w "FM GROUPAM Libreville" to RFFAB/Guerre CENTOPS Paris" - 5Lgps
13.35 UTC RFTJD FF Libreville w 5Lgps for RFFUAJ Villacoublay (Paris)

==> Troubles in Bahrain by Robert Hall
There I was, just twiddling the dials on the old R71E and worrying about black algae in the swimming pool when up came the familiar high speed buzz
on a French Forces station on 16280.3 khz. Cut in with the Universal M7000 and
soon we had all the lights flashing on ARQ M2 at 200/380. Three ID’s
came in rapid succession: RFFLC (FN Toulon) calling RFQPJVN (Froghsip Jules
Verne) via Jibouti on the RQF circuit, the RFFTB (MOD Paris) with pages of
5Lgps for umpteen addressees with callsigns beginning with the letters “RU”
and finally, up came RUMGSGG (MOD Paris for NATO?) with yet more pages of
5Lgps mixed up with some FF for yet more "RU" callsigns!

<RU indicators belong most probably to US forces, Robert. US Naval ships
regularly visit that area and I have often seen that messages were passed
to them via the French circuits -Ary->

Traffic marked URGENT and PRIORITE and mostly encrypted to well over 60
different ship callsigns continued for over an hour! Many naval ship's
names were enclair and some were troopships. The fleet included French,
British and US warships. Dramatic stuff indeed!! Forget the pool algae;
obviously a big panic and were we back to Desert Storm 2?? Reach for the
printer which didn't work for the first time ever! The only clues came with
the names BAHRAIN and MASIRAH cropping up among all the crypto.

A day or so later we heard that there were internal troubles within Bahrain
but from all those signals from Paris it seemed that another Middle East war
was looming. One knows that the Gulf is a sensitive area but it is interest-
ting to ponder on the size of the US/GB/FF fleet and that HF communications
were used, presumably to supplement SATCOMMS. Also one wonders whether US
and British ships are equipped to read ARQ M2/200; I don't recall ever having
logged the mode being used by other than French stations?

<They don't have to... often those messages are sent from the US via Paris
or Libreville to the nearest station in the specific area (Djibouti) who
relays the message to the vessel via another comm-system. -Ary->

===> Reunion Island Communications Centre by Robert Hall
Also from Robert Hall is the following item about the French Forces' Comms
Centre in Reunion.

Geographically the small island of Reunion lies in the Indian Ocean some
way off the east coast of Africa. But politically and economically Reunion
is actually part of France with the same high standards of living and no
crazy ideas about "freedom" and "liberation". As such it is probably the
most stable piece of land within a radius of several hundreds of miles and
thus provides a most excellent base for French military and naval forces and
for their communication systems. These often make use of HF radio signals
using RTTY, ARQ E3, ARQ E and ARQ M2 modes.

Most FF stations within France have callsigns beginning with RFF while over-
seas stations begin with just RF. The basic callsign for Reunion is RFVI but
there are several combinations of additional letters as shown in the fol-
lowing recent signal which I picked up on 14731.7 khz using ARQ-E at 96/428:

RR RFVITT (to FN Reunion)
DE RFFFLM (from FN Toulon)
ZNR UUUU
FM UGECOMAMEC TOULON
TO RFVITT/LA BOUDEUSE (Reunion naval base)
INFO RFFIA/MARINE TRANSIT LE BOURGET (Paris)
RFFINDI/ALINDIEN (FN Paris HQ Indian Ocean)
RFVIC/MARINE LA REUNION
RFFITZ/COMSUP ST DENIS REUNION
RFQPMJVN/JULES VERNE (warship JULES VERNE based Jibouti)
RFVICPL/CHAMPLAIN (warship CHAMPLAIN based Reunion)
RFVIALB/ALBATROS (warship ALBATROS based Reunion)

Then messages in 5Lgps and FF text en clair
NNNN

There are about a dozen different frequencies for Reunion traffic and many
more callsigns beginning RFVI++++. Reunion comms cover not only the Indian
Ocean but also handle relays for the Far East and for the four French Ant-
"Pagina 746"
arctic bases - (Amsterdam I., Crozet I., Kerguelen I. and Adelie I. [Dumont D'Urville]). Thus along with FF Jibouti, which covers the Middle East and is not part of France, Reunion must be among the most important active HF military communications centers in the world today!

FSK-Transmissions from Germany
----------------------------------
The following comes from Michael Marten from Marburg, Germany. He shares some info about ROHDE & SCHWARZ, the electronics giant, who obtained a license for FSK test transmissions on HF. Keep an eye an ear open for ALIS, RS-ARQ and burst-signals in FSK-mode on the following frequencies: 3288, 4031, 4457.7, 4993.5, 5786.5, 6770, 7512 & 8165 kHz

Deutsche Wetterdienst sked
----------------------------------
Mode: baudot 50bd

<table>
<thead>
<tr>
<th>Freq.</th>
<th>c/s</th>
<th>Tx-time</th>
</tr>
</thead>
<tbody>
<tr>
<td>147.3 kHz</td>
<td>DDH 47</td>
<td>06.00 - 21.00 UTC</td>
</tr>
<tr>
<td>4583.0 kHz</td>
<td>DDK 2</td>
<td>24h</td>
</tr>
<tr>
<td>7646.0 kHz</td>
<td>DDK 7</td>
<td>24h</td>
</tr>
<tr>
<td>11039.0 kHz</td>
<td>DDH 9</td>
<td>06.00 - 21.00 UTC</td>
</tr>
<tr>
<td>11638.0 kHz</td>
<td>DDK 8</td>
<td>24h</td>
</tr>
<tr>
<td>14467.3 kHz</td>
<td>DDH 8</td>
<td>06.00 - 21.00 UTC</td>
</tr>
</tbody>
</table>

Xinhua Press leaves HF by 1-1-97
----------------------------------
Fabrizio Magrone forwarded a message sent by IK6TJG on the amateur packet radio network. This was copied on 7 September, 15.07 UTC. Catch them while you can!

RRRYYYYRYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY/YYYYYY
- Czech Republic, capital Prague
- Slovakia, capital Bratislava.

- Broadcast at 09.00z starts with CQ msg and qtc list.
  Freqs 9266 12208 18318?

- Frequencies referred to by letter eg "G".

- Reported callsigns/selcals for parent MFA/Embassies:
  OMZ66 MFA Bratislava
  1A7 unid

- Transmission modes used: CW, Baudot 100bd(R)/400hz

- Logged frequencies:
  5742 6838 7898 7958 8006 9266 10913 11410
  12208 14480 15943 18318 kHz

- Reported frequencies:
  7404 9300 10160 10163 14401 15943 16315.5 18318 kHz

- Sample message formats:
  Example #1 - Start up and Slovak press
  --------------------------------------
  rryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryr
dr oms vitame vas v dnesnom cq
pocasie: zima, cca minus 8, vietor
dnes pre vas mame px
tlacov telegram mzv sr pre diplomaticku sluzbu sr
29.12.1995
1. a 2.skupina

Example #2 - message to selected embassies
------------------------------------------
bratislava, 29.12.1995 john doe

Example #3 - diplo plain text messages
----------------------------------------
tlacov telegram mzv sr pre zahraničnu diplomaticku sluzbu
3. februara 1994
1. skupina

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Diplo Corner Extra: PIAB skeds

Markus Butttinger checks in from the beautiful town of Salzburg, Austria, with the current skeds of the German government press station PIAB (Presse- und Informationsamt der Bundesregierung). The broadcasts are in German. PIAB confirms correct reception reports sent to this address: PIAB Bonn, Welckerstrasse 11, D-53113 Bonn, Germany

06:45 - 08:45 7.916 kHz
08:30 - 10:30 13.438,6 and 18.704,2 kHz
09:00 - 11:00 13.570,9 kHz
13:45 - 14:45 7.916 kHz
16:00 - 18:00 7.916 and 9.361,9 kHz

Callsigns: DGL26, DGN43, DGP92
Mode: FEC-A 96 Baud

Fax news round-up

- Greek weather fax service test. Costas Krallis writes us from Athens with news about a new fax service of the Hellenic National Meteorological Service who transmitted test charts during August starting at 08.45 UTC on the clean frequency of 8105 kHz in various modes. The transmitter site is Athens, the same site that is used by the Civil Aviation Service. The transmissions from Greece on 8530 kHz come from coastal station Athens Radio.

Try for QSLs the following address:
National Meteorological Service (E.M.Y.)
Athens Airport (Eastern Terminal)
GR-16003 Athens, Greece

- USN Rota's fax service is now also on 9044.5 kHz.

- Les Crossan copied Keflavik, NRK on 9319 kHz sending satpags with 200Hz shift. Up till now the 2100z and 2200z charts have been sent in this format - better than what it was sez Les.

See you all next month. Don't forget to write! -Ary-

---

Hi all, well September has been a busy month over in Europe with the NATO Military Exercise Northern Lights and Bright Horizon, which finished on the 12th of Sept. Most activity was heard on 5.709 and 5.392. Also active were 6.284 and 2.576 kHz.

The Exercise consisted of the following:-

More than 2,000 Atlantic Fleet Sailors will participate in NATO exercise Northern Light/Bright Horizon 96, Sept. 8 to 12, in the North Atlantic Ocean and North Sea. The exercise will allow U.S. and NATO forces to conduct combined training in air, surface, submarine and mine warfare. European NATO forces are conducting the exercise, with U.S. and Canadian
units participating in key phases. More than 70 ships from Belgium, Canada, Denmark, France, Germany, Greece, The Netherlands, Norway and Spain will participate.

Norfolk-based ships include command ship USS Mount Whitney (LCC 20), USS Arleigh Burke (DDG 51), USS Thorn (DD 988), USS Nicholas (FFG 47), USS Estocin (FFG 15) and USNS Leroy Grumman (T-AO 195). USS Boston (SSN 703), based in Groton Conn., will join the NATO forces. Detachments from Helicopter Antisubmarine Squadron Light 42 and 49 from Mayport, Fla., will embark aboard Nicholas and Estocin.

This info was posted in the August Newsletter.

US COAST GUARD
++++++ USCG Communications Station Boston to cease transmissions

Rick Baker sends this report on the fate of USCG Boston, NMF:

I caught this NAVTEX message the other night:

ZCZC FV02
1. REMOTING OF US COAST GUARD COMMUNICATIONS STATION BOSTON MA (NMF).

AS PART OF THE USCG COMMUNICATIONS SYSTEM 2000 PLAN, COMMSTA BOSTON (NMF) IS SCHEDULED TO RELINQUISH OPERATIONAL CONTROL OF ALL MF/HF ASSETS TO CAMSLANT CHESAPEAKE VA (NMN) BY 01NOV96. ALL OF THE SERVICES CURRENTLY PERFORMED BY NMF WILL CONTINUE BUT WILL BE PERFORMED REMOTELY BY NMN. THE REMOTING OF NMF CIRCUITS TO NMN WILL BE ACCOMPLISHED IN SEVERAL PLANNED PHASES STARTING 16SEP96. DURING THIS SERVICE-BY-SERVICE CUTOVER, NMF WILL CONTINUE TO MONITOR ALL CIRCUITS AND BE READY TO ANSWER CALLS OR PERFORM BROADCASTS IN THE EVENT THAT NMN CANNOT. AS SERVICES ARE REMOVED TO NMN, CALLS TO COMMSTA BOSTON OR NMF, WILL BE RESPONDED TO EITHER AS CG CAMSLANT CHESAPEAKE OR NMN AS APARTIVE. THERE ARE NO PLANNED OR SCHEDULED SERVICE INTERRUPTIONS ASSOCIATED WITH THIS REMOTING. IF UNFORESEEN INTERRUPTIONS OCCUR, NMN AND NMF WILL ENSURE YOU ARE HELD INFORMED OF THE EXTENT AND ANTICIPATED DURATION OF THE OUTAGE VIA THE MOST RAPID MEANS AVAILABLE. PLEASE KEEP NMN OR NMF INFORMED OF ANY SERVICE DEGRADATION OR PROBLEMS ENCOUNTERED.

NNNN

BRK

The "CommSys 2000" plan they speak of has already started, with the remoting of NRV, Communications Station Guam, to CAMSPAC Point Reyes, Ca, NMC, and Communications Station Miami NAVTEX and HF radiotelephone service to NMN. The U.S. Coast Guard plans to remote operation of all its communication stations to Communications Area Master Station Atlantic, NMN (remotely working former NMA Miami, NMF Boston and NMG New Orleans), and Communications Area Master Station Pacific, NMN (remotely working former NRV Guam, NOJ Kodiak, and NMO Honolulu), before the year 2000.

Oddly enough, according to another NAVTEX message received from NMC, the callsign NRV is being returned to ID all of the Guam transmitters, replacing NMC which apparently had been used. On NAVTEX, code "A" designates the Miami (former NMA CommSta Miami) transmit site.

So, you have a tad over 30 days left to log NMF as "U.S. Coast Guard Communications Station Boston" rather than as a remote site of NMN. The information below may help:

U.S. Coast Guard CommSta Boston, NMF
900 Ferry Street
Attn: Telecommunications Specialist-in-Charge (TCIC)
Marshfield, MA 02050
USA

Scheduled SSB times (UTC)

0440 2670.0 USCG, COMMSTA Boston
1040 2670.0 USCG, COMMSTA Boston
WUN-v02  
1640  2670.0 USCG, COMMSTA Boston  
2240  2670.0 USCG, COMMSTA Boston

vox: all frequencies are window frequencies.

<table>
<thead>
<tr>
<th>channel</th>
<th>ship xmt/ship rcv</th>
<th>times</th>
</tr>
</thead>
<tbody>
<tr>
<td>424</td>
<td>4134/4426 khz</td>
<td>(22-1200utc)</td>
</tr>
<tr>
<td>601</td>
<td>6200/6501 khz</td>
<td>(continuous)</td>
</tr>
<tr>
<td>816</td>
<td>8240/8764 khz</td>
<td>(continuous)</td>
</tr>
<tr>
<td>1205</td>
<td>12242/13089 khz</td>
<td>(12-2200utc)</td>
</tr>
<tr>
<td>1625</td>
<td>16432/17314 khz</td>
<td>(-- on request only --)</td>
</tr>
</tbody>
</table>

Also on 5696, 8983 night/day primary for CG air.

518.0 Code "F" NAVTEX at 0045, 0445, 0845, 1245, 1645, 2045 UTC

HF DIGITAL SELECTIVE CALLING

NMF - Boston

2187.5 kHz  COMMSTA Boston will normally respond to DSC
4207.5 kHz  test calls. HF digital selective calling
6312 kHz    should be available at other CG Communications
8414.5 kHz  Stations and Sections by the end of 1997.
12577 kHz
16804.5 kHz

SitorhB
4215.5 kHz, 6314.0 kHz, 8416.5 kHz, 12579.0 kHz, 16806.5 kHz

daily sitor broadcasts consists of nam wx parts i and ii,
navarea iv, and hydroplants.

0140utc  6314.0khz  8416.5khz  12579.0khz
1630utc  8416.5khz  12579.0khz  16806.5khz

Fax
6340.5 kHz, 9110.0 kHz, 12750.0 kHz.

Good luck!

++++

Day Watson sent some information for the web site supporting the
Investigations and Analysis Division of the United States Coast Guard:

Marine Safety Information
The homepage of the Investigations and Analysis Division of the United States
Coast Guard may now be accessed through the USCG main page via hyperlinks -
program and services - marine/maritime safety - investigations.
http://www.dot.gov/dotinfo/uscg/hq/g-m/moa/mao1a.html

For a plethora of other marine safety information please visit -
http://www.dot.gov/dotinfo/uscg/hq/g-m/gmhome.htm

o U.S. NAVY
LPD 17 named

U.S. Secretary of the Navy John H. Dalton on 9 Sept. announced that
the lead ship of the U.S. Navy's LPD 17-class Dock Amphibious Transport will
be named the U.S.S. San Antonio. LPD 17 will be the first U.S. Navy ship
named for the Texas city. Construction was authorized in fiscal year 1996 for
U.S.$939 million and she is expected to be commissioned in fiscal year 2002.

Last Los Angeles-class commissioned...

The U.S. Navy's last Los Angeles-class Nuclear-powered Attack Submarine,
U.S.S. Cheyenne (SSN 773), was commissioned at 1000 13 Sept. at Pier 12, U.S.
Naval Station Norfolk, Va. The Cheyenne is the third ship to bear the name.
A converted tugboat was the first, operating in 1885 during the
Spanish-American War. The second was Monitor No. 10 in 1902, originally named
Pagina 751
Wyoming but later renamed to clear that name for a new battleship. Virginia
Sen. John Warner was ceremony's principal speaker. Ann Simpson, wife of
Wyoming Sen. Alan K. Simpson, is the ship's sponsor. SSN 773 was authorized
fiscal year 1990, laid down July 6, 1992, and launched at Newport News Shipbuilding and Dry Dock on April 3, 1995. The sub joins the Submarine
Force, U.S. Atlantic Fleet with Cmdr. Peter H. Ozimek, a native of Westfield, N.J., as the commanding officer. She is homeported at Norfolk.

Harry S. Truman christened
The U.S. Navy Nimitz-class Nuclear-powered Aircraft Carrier Harry S. Truman (CVN 75) was christened at 1000 7 Sept. at Tenneco Corp.'s Newport News Shipbuilding and Dry Dock Co., Newport News, Va. The ship is named in honor of Harry S. Truman (1884 – 1972), thirty-third president of the United States. Margaret Truman Daniel, daughter of the late president, was the ship's sponsor. Drucie Snyder Horton was the matron of honor. U.S. Secretary of the Navy John H. Dalton was the principal speaker. CVN 75 was authorized fiscal year 1988, ordered June 30, 1988, and laid down Nov. 29, 1993. Upon commissioning in June 1998, she will be homeported at U.S. Naval Station Norfolk, Va. The ship was originally to be named the United States but its present name was announced Feb. 2, 1995. Capt. Thomas G. Otterbein, a native of Bad Axe, Mich., is the prospective commanding officer.

Status of the U.S. Navy: Sept. 16, 1996

<table>
<thead>
<tr>
<th>Aircraft:</th>
<th>4,859</th>
</tr>
</thead>
<tbody>
<tr>
<td>At Sea:</td>
<td>170 ships (47%)</td>
</tr>
<tr>
<td>Deployed:</td>
<td>98 ships (27%); 51,806 personnel</td>
</tr>
<tr>
<td>Exercises:</td>
<td>8</td>
</tr>
<tr>
<td>Port visits:</td>
<td>18</td>
</tr>
<tr>
<td>SSNs at Sea:</td>
<td>37 (47%)</td>
</tr>
<tr>
<td>Carriers/Airwings at Sea:</td>
<td></td>
</tr>
<tr>
<td>USS Enterprise/CVW-17: Red Sea</td>
<td></td>
</tr>
<tr>
<td>USS Theodore Roosevelt: Western Atlantic</td>
<td></td>
</tr>
<tr>
<td>LHAs/LHDS/LPHs at Sea:</td>
<td></td>
</tr>
<tr>
<td>USS Boxer: Eastern Pacific</td>
<td></td>
</tr>
<tr>
<td>USS Salpan/24th MEU: Eastern Atlantic</td>
<td></td>
</tr>
<tr>
<td>USS Tarawa/13th MEU: Indian Ocean</td>
<td></td>
</tr>
<tr>
<td>USS Nassau: Western Atlantic</td>
<td></td>
</tr>
</tbody>
</table>

| Ships Assigned to Middle East Force: |
| USS Ardent, USS Dextrous, USS Laboon, USS Doyle, USS Russell, USS Hewitt, USS Vandegrift, USS Stump, USS Groves |

| Other Exercises/Operations: |
| Operation Southern Watch/Desert Strike, Arabian Gulf |
| Counter-drug operations, Caribbean/East Pacific |
| Units XXXVII Phase Five, South Atlantic |
| Maritime Interception Operations, Arabian Gulf |
| TWA FLT 800 Salvage Ops/Vicinity Long Island |
| Neon Falcon, Arabian Gulf |

++++

Thanks to Costas Krallis in Greece who spotted this article in one the newsgroup sci.military.naval posted by Andrew Toppan:

The USN and Canadian Fleet Lists on http://www.wpi.edu/~elmer/navy/fleets/ now include homeports for almost all ships, and squadron assignments when these are operationally significant. USCG, RN and RNLN lists do not yet include homeport information (due to a lack of available data).

++++

Ian Baxter in Blackburn, Lancs, UK shares some information he received with his QSL from CanForce 107:

Aircraft is P-3 Orion "Pathfinder" (Canadian Version), from 405 Squadron.
Also based at Greenwood, Nova Scotia are 415 Maritime Patrol Squadron, and 404 Maritime Patrol & Training Squadron, along with 413 Search & Rescue Squadron, and 434 Combat Support Squadron. 404, 405, 407, and 415 Squadrons fly the CP 140 Aurora (a P-3 Orion), 413 Squadron flies C-130s and Labrador Helicopters, while 434 Squadron flies T-33 Silver Star Jets and Challenger Exec Jets.

Thanks Ian!

++++

o U.S. Air Force

BARKSDALE AIR FORCE BASE, La. -- A lot of hard work and a few tense moments paid off early Sept. 3 when 13 air-launched cruise missiles fell away from two Barksdale B-52s and headed for targets in Iraq.

The missiles slammed into surface-to-air missile sites and air defense radars in response to Iraqi ruler Saddam Hussein's attacks on Kurds in northern Iraq. Leading the attack was Lt. Col. Floyd Carpenter, commander of the 96th Bomb Squadron and mission commander of the two-ship B-52 formation. The B-52s and support people remain on Guam, where the strike mission originated, ready to carry out more strikes if necessary.

++++

Now, I would ask anyone who gets any UK or European news items to pass them over, As your probably aware, info regarding the U.S. Military is a darn sight easier to obtain, than anything relating to the UK / European forces.


See you next month..... Paul.
INMARSAT but a telephone call yesterday evening to Portishead Radio/GKA suggests that use of that will be for slow data communications due to the yacht borne satellite antenna being very small and tending to be continually on the move.

This means that maritime HF RT buffs will have a chance of hearing communications from the competitors.

I am now obliged to Peter Boast, the Operations Manager at Portishead Radio, for a further email today which I think speaks for itself.

"The BT.Challenge Web pages - Check out this one
http://www.btchallenge.com/comms/touch2.htm
It gives Portishead Radio a pretty good write up.

The yachts will have Standard C and 400 watt Skanti radios.

The Standard C - is a low data rate (600bps) satellite system and it's store and forward Telex/E-Mail only. All voice communications will therefore be via H.F. radio. I "drew-up" a communications plan and trained two crew members from each yacht.

The H.F. comms as you point out will not be straight forward due to the low sunspot count - I have guessed an average sunspot count of 14 for November December. My idea is to split the comms between ourselves and Capetown Radio (ZSC) with some involvement with Sydney Radio (VIS).

Leg 1  UK - RIO - they should be able to get good comms with us - 12/16 (Mhz) until crossing the equator - then they should get us well on 16Mhz late afternoon early evening.

Leg 2 - RIO - Wellington - this is the most difficult leg - GKA early evening and early morning Capetown the rest of the way from Rio to the Cape Horn.

Cape Horn - 165W  A very good "Gray line" path exist between this area and GKA on 12/16Mhz between 0700 and 1000Z - we will be looking for them in this window.

165W to Wellington - hopefully they will be able to raise VIS - but VIS have problems due to relocation which may give problems. The 0700 - 0900Z path should still be viable on most days.

Leg 3 - Wellington - Sydney - Should be Sydney Radio.

Leg 4 - Sydney to Capetown - should be Capetown and GKA - GKA 16Mhz 1400 - 1600Z.

Leg 5 - Capetown - Boston - First couple of days Capetown then GKA midday onwards.

Leg 6 - Boston - UK - GKA all the way 16Mhz 1100Z onwards.

We hope to get a fair bit of traffic from the yachts - best channel to monitor after the first few days will be 1602 -16363/17245, that should be interesting during November/December around 0800Z for a hour or so.

The last few races of this type we have had probably half a dozen phone calls and many standard C messages to each yacht per day! One crew member on a yacht we sent a 12 page message every day."

What more can I say? You have it in a nutshell from the man himself.

As a reminder but without going into a vast table of Portishead's frequencies they operate on the following channels on the 12 and 16 Mhz bands.

1201 1202 1206 1224 1228 1230 1232
1602 1606 1611 1618 1623 1632 1637 1640

Frequencies in use are announced after the traffic lists sent every H+00 on
But back to the yachts. These are

TOSHIBA  MOTOROLA  OCEAN ROVER
COMMERCIAL UNION ASSURANCE  NUCLEAR ELECTRIC
GROUP 4  PAUSE TO REMEMBER
TIME & TIDE  HEATH INSURED II
COURTAUDS INTERNATIONAL  GLOBAL TEAMWORK
3COM  CONCERT  SAVE THE CHILDREN

Refer to the above website for sponsors/crews and other info. In particular read about TIME & TIDE’s crew who have more than wind and weather to contend with. I tip my hat to them.

++++++ Maritime Coast Station SELCALs

The following is an up-to-date alphabetic list of SELCALs pertaining to marine coast stations world-wide. This should help you determine which coast station your monitored ship is currently calling.

CQCC  Aqaba/JYO
CVCX  Riga/YLQ
KCKC  Mariupol/USU
KCPX  Odessa/UUI
KFVF  Kuching/9WW20
KFVQ  Penang/9MG
KFVS  Kuching/9WW20
KPCV  Lisbon/CUL
KPVQ  Bern/HEC
KQVV  Portishead/GKE direct and via Wick/GKR1/GNK1

KYKY  St Petersburg/UGC
KYVF  Arkhangelsk/UCE
KYVX  Moscow/UAT
KYVV  Murmansk/UHS
KYXX  Novorossiysk/UFN
KYYX  Vladivostok/UFL
MCFV  Djibouti/J2A
MCKX  Hong Kong/VRX
MCPV  Bahrain/A9M
MCQV  Singapore/9VG
MSCV  Doha/A7D
MKKV  Damman/HZG
MKXX  Damman/HZG
MKVV  Banana/9PA
MKCV  Istanbul/TAH
MKKX  Capetown/ZSC
PQVV  Tallinn/ESA
PFSV  Colombo/4PB
PKVX  Chah Bahar/EQJ
QFMP  Norddeich/DAN
QFSV  Panama Intemar/HPP
QKCC  Nigata/JNV
QKCF  Fushiki/JNZ
QKCP  Yokohama/JGC
QKCS  Kobe/JGD
QKCX  Nagasaki/JOS
QKCY  Nagoya/JNT
QKVW  Madras/VWV
QKVV  Bombay/VWB
QKVC  Kagoshima/JNJ
QKY Y  Kochi/JNO
QKYM  Moji/JNR
QKY P  Sasebo/JNK
QKYQ  Hiroshima/JNE
QKYY  Tanabe/JNH
QKYX  Maizuru/JNC
QKYY  Shiogama/JNN
QMVK  Kushiro/JNX
QMVM  Naha/JNB
QMVQ  Otaru/JNL
QMVV  Tokyo/JNA
QMVK  Akita/JND
OPPV  Rogaland/LGB
QPQX  Seoul/HLG
QQVK  Ujungpandang/PKF
QMVM  Cilacap/PKR6
QQVV  Jakarta/PKX
QQVX  Surabaya/PKD
QSKK  Warsaw/SPW
QSKV  Gdvnia/SPA
QSKX  Szczecin/SPB
QSPV  MARITEX channel
      Bulacan/DZO
      Goteborg/SAB
      San Francisco/KFS
      Panama Intelmar/HPP
      Argentina/LSD836
      Slidell/WNU

QVXS  Keelung/XSX
QVXX  Shanghai/XSG
QVXY  Guangzhou/XSQ
QVYM  Genoa/ICB
QVYV  Rome/IAR
QYFV  Rijeka/9AR
QYVV  Scheveningen/PCH
VFKQ  Lyngby/OXZ
VFVX  Varna/LZW
VKKX  Perth/VIP
VMFV  Oostende/OST
VPFV  CCG Halifax/VCS
VPFX  CCG Vancouver/VAI
VQOQ  S Vicente de Cabo Verde/D4A
VQVV  Boufarik/7TK
VXXC  General Pacheco/LPD
VXXC  Argentina/LSD836
VYYX  Rio/PPR
VYXX  Buenaventura/HKC
XCKM  Saint-Lys/FFT
XCVN  Helsinki/OFA
XFVC  Valparaiso/CBV

XSQP  Black Star/9GP24
XSQV  Tema/9GX
XVSC  USCG San Francisco/NMC, and via Guam/NRV
XVSM  Globe Radio Network station
       Goteborg/SAB
       Awanui/ZLA
       Hawaii/KEJ
       San Francisco/KFS
       Slidell/WNU
       Tors Cove/VCT

XVSP  USCG Boston/NMF
XVSO  Chatham/WCC
XVSS  USCG Honolulu/NMO
XVSV  Mobile/WLO
XVSX  San Francisco/KPH
XVSY  USCG Portsmouth/NNN
XVYF  Madrid/EDL
XXKF  Hawaii/KEJ
XXVC  USCG Kodiak/NOJ
XXVS  Slidell/WNU
XXSK  Seattle/40K
XYFV  Athens/SVU

If one finds selcals interleaved with the "erererererer" string then one is looking at a coaststation channel occupied by a station operating the MARITEX

Pagina 756
system. The ship will be scanning the appropriate coast station channel(s) waiting for its selcal to trigger an automatic response and transfer of traffic.

+++++ UK coastal ARQ channelling

In running through VOL.1 of ALRS converting station numbers to SELCALs it became apparent that there has been a large reduction in the 2Mhz ARQ facilities. Gone are

- GNI1/Niton 3517
- GLD3/Landsend 2696.7
- GMD2/Hebrides 3607.8
- GKR2/Wick 1923.7
- GND1/Stonehaven 3615.7
- GNK2/Norwick 3542.7
- GND1/Stonehaven 3615.7
- GCC1/Cullercoats 1615

Remaining channelling

- GKE1/Portishead 3542.7 ship 2574
- GKY1/Portishead 3615.7 ship 2576
- GKR1/Wick 1612.5 2147.5
- GNK1/Norwick 2832.7 2577
- GNK1/Norwick 2832.7 2577
- GKR2/Wick 1923.7
- GCC1/Cullercoats 1615

GKE1 was GNK2/Norwick (Shetland Islands) and GKY1 was GND1/Stonehaven. It is assumed that the Tx/Rx equipment remains at those original sites as all the above are remotely controlled from Portishead. GKY1 is currently not omni but beamed north.

+++++ Portishead HF RT weather

Peter Boast has also passed on the news that Portishead Radio now broadcasts the Mediterranean Wx on voice 13146/17245 at 0900Z ditto the North Atlantic Wx at 1100Z.

To round things off he advises (if you WUNners dare listen to broadcast!) a very good source of Utility (and Broadcast) info - Media Network every Thursday from Radio Netherlands

- 1052z - 6045Mhz (repeated)
- 1952z - 15315/17605Mhz
- 2152z - 1440Khz (medium wave).

Vri mni tks Peter for all the above..

+++++ Metro Manila Central coaststation (Manila)

From Roli Talampas via the SHIPS list comes the following information.

On the 16 Aug President Ramos inaugurated the first phase of the Maritime Communications Projects aimed at establishing the Metro Manila Central Coast Station that will provide a speedy and effective maritime mobile communications network.

The station is composed of three main sites -- the operation center in Mandaluyong City, the transmitting station in Taguig, and the receiving station in Balagtas, Bulacan.

In his remarks at the inaugural ceremony in Malacanang, the President said the completion and implementation of this project would strengthen and expand the delivery of maritime mobile services to the country such as distress and safety communications, ship movement service, port operations service, and public correspondence of ship passengers and crews. He added that the Central Coast Station would initially serve as the backbone for the forthcoming implementation of the Global Maritime Distress and Safety System (GMDSS), in consonance with the Philippine government's commitment to the International Maritime Organization's (IMO) Safety of Life at Sea (SOLAS) Convention.
The implementation of the Maritime Communications Project Phase I was started in 1991, jointly funded by the Philippine government and the OECF under 15th Yen Loan Package.

The supply and installation of the main facilities were undertaken by the TOMEN Corporation as the main contractor and Japan Radio Co., as the main equipment supplier.

++++++ CW - calling and working bands.

I recently replied to a query in respect of areas of CW activity. Although CW calling/working was dealt with in an early WUN the following is a reminder of the bands and procedure.

Ship stations are assigned 10 frequencies in each maritime band as CW calling channels. Coast stations indicate on their frequencies what they are listening to. The outer frequencies of the ten channels are given but stepped in 0.5 khz are NOT channel numbers 1 - 10. The channel/freq combination varies from one band to another.

<table>
<thead>
<tr>
<th>Calling frequencies</th>
<th>Working frequencies (0.5 khz spacing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4182 - 4186.5</td>
<td>4187 - 4202</td>
</tr>
<tr>
<td>6276 - 6280.5</td>
<td>6285 - 6300</td>
</tr>
<tr>
<td>8366 - 8370.5</td>
<td>8342 - 8365.5 8371 - 8376</td>
</tr>
<tr>
<td>12550 - 12554.5</td>
<td>12422 - 12476.5</td>
</tr>
<tr>
<td>16734 - 16738.5</td>
<td>16619 - 16683</td>
</tr>
<tr>
<td>22279.5 - 22284</td>
<td>22242 - 22279</td>
</tr>
</tbody>
</table>
| 25175 - 25172.5 (3 chan) | 25161.5 - 25171 |}

Listen for a ship calling - should be something on say 12Mhz calling band along the lines of

GKB GKB de C9EYT C9EYT 429 QTC3 K

The 429 bit means "I intend my working freq to be 12429"

When contact with GKA is made and he says something like "up" or ditdit follow him up to his working frequency. Usually its down in frequency but means up to the working channel.

Whilst monitoring the working frequencies one may find intership skeds at certain times - When I was at sea we had them with different companies but can't remember what they were - will all be changed. But UK used to assign GTZ something eg GTZD as a collective callsign for a specific company.

If anything interesting like that picked up please email.

++++++ Terminology - TEU

I never served on a container ship. In writing this column the SHIPS list is regularly consulted. Therein I find the constant use of capacity in TEUs.

TEU stands for "twenty-foot equivalent unit", in other words a shipping container 20ft long by 8ft wide and 8ft tall. The container capacity of containerships is expressed in TEUs regardless of whether the containers on board are 20ft long.

A ship with a 2500 TEU capacity can carry 2500 shipping containers 20 x 8 x 8 ft. These are often the short containers sitting on semi-trailers one sees on the highway.

A related term is FEU - "forty-foot equivalent unit". which works the same way TEU does.

++++++ Station overviews - addresses

I don't go in for QSLing these days but appreciate quite a few of you do. It was suggested to me this month that I might improve the station overviews by
adding the station address. This is in fact part of my policy PROVIDED I can find it in my source documents. However if any of the overviews lack this info but one of you has that info please let me know.

++++++ Nagasaki Radio Overview

Location: Japan at 32.48N 130.09E

WT service

Watchkeeping - on calling channels 3 4 9 and 10 of the bands in use. Service hours are shown against frequency. Marker (eg) "cq de JOS qso 8 mhz k" - distinctly fast.

Traffic list is sent every 00+30 on the frequencies 4328 6491.5 8706 13069.5 16933.2 22646.5 (if currently open for service.)

<table>
<thead>
<tr>
<th>Station</th>
<th>Frequency</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOS</td>
<td>4328</td>
<td>0400-1500</td>
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<tr>
<td>JOR</td>
<td>6457.5</td>
<td>0000-0800</td>
</tr>
<tr>
<td>JOS</td>
<td>6491.5</td>
<td>0000-1900</td>
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<tr>
<td>JOU</td>
<td>8463</td>
<td>0000-0800</td>
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<td>JOR</td>
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<td>JOS</td>
<td>8706</td>
<td>H24</td>
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<td>2300-1900</td>
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<tr>
<td>JDB</td>
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<tr>
<td>JDB</td>
<td>17215</td>
<td>0000-1200</td>
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<td>0000-1100</td>
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<tr>
<td>JOS</td>
<td>22646.5</td>
<td>2300-1100</td>
</tr>
<tr>
<td>JOR</td>
<td>22659.5</td>
<td>2300-1100</td>
</tr>
<tr>
<td>JOU</td>
<td>22690.5</td>
<td>0000-1100</td>
</tr>
</tbody>
</table>

Telex service

Stn nr 2361 ---> Selcal QKCX

Ship

| 4215 | 4177 | [410] |
| 6325 | 6274 | [623] |
| 8424 | 8384 | [815] |
| 12592 | 12489.5 | [1226] |
| 16814.5 | 16691 | [1616] |
| 22384 | 22292 | [2216] |

No RT service is provided by Nagasaki.

GMDSS: No watch is maintained by Nagasaki. There are alternative arrangements in Japan.

Address: Nippon Telegram + Telephone Public Corporation, Coastal station Nagasaki radio, 14-1 Hinode-cho, Isahaya City, Nagasaki 854

Research/Acknowledgements.
ALRS Vol.1 (95/96)
CFL Ed.9
Klingenfuss Utility Guide 1996

++++++ Perth Radio overview

Location: Australia at 31.48S 115.53E

WT service
Watchkeeping: as indicated by hours of service. Listens on calling channels 3 4 and 9. Marker "cq de VIP k". * During the period 1300-0100 shown below limited watch is kept for 20 mins after traffic lists on 4/8/12/16mhz.

Traffic list: Every OH+48 on frequencies open for service. Weather forecasts/navigation warnings: 0148 and 1148 on frequencies open for service (bar 22474).

VIP  4323  0100-1300  1300-0100*
     6407.5  1130-2200
     8521  0100-1300  1300-0100*
   12952.5  0100-1300  1300-0100*
   17161.3  0100-1300  1300-0100*
    22474  2200-1130

VIP31  4213  4175 [ 406]
VIP33  8419  8379 [ 806]
VIP34 12582  12479.5 [1206]
VIP76 12584  12481.5 [1210]
VIP35 16809.5  16686 [1606]
VIP78 16811.5  16688 [1610]

Telex service
Stn nr 0331 ---> selcal VKKX
Marker: "VIP"

VIP31  4213  4175 [ 406]
VIP33  8419  8379 [ 806]
VIP34 12582  12479.5 [1206]
VIP76 12584  12481.5 [1210]
VIP35 16809.5  16686 [1606]
VIP78 16811.5  16688 [1610]

RT service (Radphone).
This service is duplex for link calls.
Watchkeeping: On those frequencies indicated with hours of operation. The remaining frequencies are available on request after an initial call on WT/RT.

4366  4074 [ 404]
4369  4077 [ 405]
4390  4098 [ 412]
4399  4107 [ 415]
4405  4113 [ 417]
4411  4119 [ 419]
4435  4143 [ 427]  H24
6519  6218 [ 607]
8707  -     [ 834]
8722  8198 [ 802]
8734  8210 [ 806]  H24
8749  8225 [ 811]
8761  8237 [ 815]
8767  8243 [ 817]
8782  8258 [ 822]
8803  8279 [ 829]
13083 12236 [1203]
13152 12305 [1226]  H24
13155 12308 [1227]
13161 12314 [1229]
13167 12320 [1231]
17245 16363 [1602]
17251 16369 [1604]  2200-1400
17269 16387 [1610]
17275 16393 [1612]
17305 16423 [1622]
22702 22006 [2203]
22709 22033 [2212]  2200-1400
22762 22066 [2223]
22777 22081 [2228]
22783 22087 [2230]
22807 22111 [2238]
26148 25073 [2502]
RT service.

In keeping with other Australian coast stations there is a second RT service which is used to pass traffic on a single frequency (except where another frequency (ship) is shown) simplex basis. Link calls are not accepted.

Watchkeeping: As shown below.

Traffic lists: These are transmitted on
4426 6507 8176 at 0118 0518 0918 1118 1518 1918 2318
12365 0118 0518 2318

Weather forecasts/nav warnings: These are transmitted on
4426 6507 8176 12365 (when open) at 0118 1118 1518 2318
4125 H24
4146
4426/4134 HX [424]
6215 H24
6227
6507/6206 HX [603]
8176 HX
8291 H24
8294
12290 2100-0900
12365 HX
16420 2100-0900

GMDSS: Perth Radio maintains a 24 hour DSC watch for Distress and Safety signals on 2187.5 4207.5 6312 8414.5 12577 and 16804.5.
Their MMSI number is 005030331.

Address: TELSTRA,
Perth Radio,
Gnangara Road,
POB 1115
Wangara 6065

Research/Acknowledgements.
ALRS Vol.1 (95/96)
CFL Ed.9
Klingenfuss Utility Guide 1996
Murray Lehman (for clean copy VIPs service bulletin)

++++++ Shipping news

Tanker report issued by Jacob and Partners Ltd.

The number of tankers worldwide increased by 41 to 3,291 in the first half of the year, according to a report by Jacob and Partners Ltd. issued 27 Aug. Seventy new ships of 7.4 million dwt were built, while 29 were scrapped. Newbuildings in the first half of 1993, for example, were 17.4 million dwt, and this year so far pales in comparison of 1975's 44 million dwt. Japan and South Korea built 85 percent of the new tankers, and accounted for about 70 percent of orders. Spain led the European countries, followed by Croatia and Ukraine at three each. In all, 66 ships of 4.3 million dwt were ordered. Among those scrapped were seven v.l.c.c.s.

P&O Containers and Nedlloyd Lines to merge, order two 6,674 teu ships

P&O Containers Ltd. and Nedlloyd Lines announced 9 Sept. they will merge to form P&O Nedlloyd Container Line by 31 Dec. The line will operate 112 ships and 540,000 teus, and with 224,000 slots, will be the largest containership firm in terms of fleet size. The firm will be registered in the U.K. but operations will be based in Rotterdam. All P&O Container units will become part of the new firm, including P&O Logistics, except for Southampton Container Terminal, Tilbury Container Services and a few smaller operations. Royal Nedlloyd will pay U.S.$175 million to P&O Containers to equalize shareholding, so that P&O Nedlloyd is equally owned by Peninsular and Orien-
tal Steam Navigation Co. and Royal Nedlloyd N.V. The company will have a turnover of U.S.$4 billion and net assets of U.S.$1.5 billion. Throughput of the new line is predicted at 2.3 million teus annually, making it third in the world along with Sea-Land Service Inc. P&O Nedlloyd also said that it will order two 6,674 teu containerships that P&O Containers had as options and add two options.

Turkish Marine Ministry to be formed

A Turkish Marine Ministry will be set up by November to aid the Turkish maritime industry.

M/V Song of Norway sold

Royal Caribbean Cruise Lines has sold its first ship, the M/V Song of Norway, for about U.S.$40 million to Airtours P.L.C. The 1,062 passenger ship will end its last voyage for RCCL in Miami on 16 Feb. Its distinctive, and RCCL-unique, Viking Crown Lounge will be removed before she is transferred to Airtours. As of May, the 23,005-gt ship will be operating either in the Caribbean or the Mediterranean. She was built in 1970.

Carnival and Hyundai Merchant Marine in joint venture

Carnival Corp. and Hyundai Merchant Marine have announced they will form a joint venture to develop the Asian cruise market. The new venture, as yet unnamed, will buy Carnival Cruise Line's M/V Tropicale (36,674-gt, 6,654-dwt, 200 meter/660 foot long passenger ship with 26 meter/85 foot beam; built in 1981 at Aalborg Shipyard) and in spring 1998, the ship will offer cruises from Inchon to China. In the winter, she will sail in Southeast Asia. The M/V Tropicale was refitted in 1989 and 1994, and will be refitted again before 1998. She has capacity of 1,400 passengers and 500 crew.

Cunard sells the M/V Cunard Countess

Cunard Line has sold the M/V Cunard Countess (2,642-dwt, 17,593 ton displacement passenger ship built in 1975, refitted 1983) to Awami Cruise Line for U.S.$23 million. The transfer of the 750-person ship will occur 26 Oct.

Renaissance Cruises orders two ships

Chantiers de l'Atlantique has received an order for two 375-cabin passenger ships from Renaissance Cruises. They will be delivered in June 1998 and February 1999. The U.S.$500 million order includes an option for a third.

Harland and Wolff to repair the M/T Sea Empress

Harland and Wolff, Belfast, have received a contract to repair the M/T Sea Empress (Liberian-registry, 147,273-dwt, 900 foot long single-hull tanker built 1993) which ran aground late 15 Feb. off St. Ann's Head near Milford Haven, Dyfed County, Wales. Ruptured cargo tanks spilled about 19 million gallons of oil effecting hundreds of miles of coastline. She was refloated 21 Feb., and after unloading her remaining cargo, the ship was towed to Harland and Wolff. At least 2,800 tons of metal will be required for a cost of at least U.S.$20 million. Work should be completed by spring 1997.

"M/V Glomar Explorer" to go to sea again

Global Marine Inc. has leased the "M/V Glomar Explorer" from the U.S. Navy for 30 years. She will be used to drill test petroleum wells in the Gulf of Mexico under a five-year, U.S.$260 million contract from Chevron and Texaco. First, Global Marine, which designed her, will spend U.S.$160 million to remove heavy lift equipment to make her the largest drilling ship when she enters service in early 1998. The "M/V Glomar Explorer" will be able to drill to depths of 3,050 meters/10,000 feet. Global Marine will pay the U.S. Department of Defense U.S.$200,000 for the first two years, then U.S.$1.78 million annually for the next 28 years. The M/V Hughes Glomar Explorer, officially classified as heavy-lift salvage ship AG 193 by the U.S. Navy, was built in 1973 at Sun Shipbuilding and Dry Dock Co., Chester, Pa. Given the
cover of a deep-sea mining ship of Summa Corp. (for a Global Marine contract) for Howard Hughes, it has long been understood that the vessel was built for the U.S. Central Intelligence Agency to recover the Soviet Navy Golf I-class Ballistic Missile Submarine PL-722, which sank in the northern Pacific, 1,200 kilometers/750 miles northwest of Hawaii, in April 1968.

Above items thanks to Steve Schultz and the SHIPS; Fairplays News, and other sources.

And that winds it up for me for another month. Regards Day

============================================================================

New Products, Books, News and Reviews
Rick "RD" Baker, editor
1352 Cavalcade Dr., Austintown, Ohio 44515-3844, USA
telistener@msn.com or ae411@yfn.ysu.edu

SOFTWARE REVIEWS

Scancat Gold V6.0 from Computer Aided Technologies

If you have not gone with computer control software for your shack yet...you should! I highly regret I did not make the move sooner. The software I look at this month was one of the first computer control programs on the market ("Scancat"). SCANCAT GOLD, now in version 6.0, covers not only HF rigs, but scanners and some TNC's/decoders!

Installation and Set-up
The software installation was straight forward and fairly easy. For my review the software was run in a Compaq Presario 982 with a Pentium 90 processor running Windows95. Although Scancat Gold is a DOS program, it runs fine in Win95 in a DOS box. I also ran it in Win95 "in the background" and minimized on screen. Worked great. There is no Mac version yet, but a Windows version is in the works. You will need about 2-1/2 megs of free space on your hard drive to install the program. I used the serial cable and RS-232 connector from Computer Aided Technologies to connect the computer to my Icom Rh72. This is an extra cost, although these items can be bought elsewhere if you don't have a direct RS-232 port or the cables for radios like the R-72 that have a miniature pin computer connection. The Icom timing was a tad difficult to get right, but that was the hard part. The manual provides easy step-by-step instructions for most operations and is some 100 pages with an index.

Requirements
SCANCAT GOLD will run in just about anything from 8088 pre-286 systems to Pentiums with MS-DOS 3.0 or greater, with at least 640k of RAM and at least 1 serial port. You do not need a color monitor or graphic's card.

Radios Supported

Rigions supported by SCANCAT GOLD exceed 35 and is growing:
AOR-8000 -Newest handheld and AOR27000 (Includes EEPROM upload utility to enable those "blocked" frequencies)
AOR3000/3000(A) & AOR2500, AOR-3030 HF receiver
DRAKE R-8(A)
MOST Icom Radios, including R71A, R72, R7000, R7100 and R9000.
Kenwoods Including TS-440, TS-450, TS850 & R-5000
MOST Yaesus Including FRG-8800 & FRG-9600 Yeasu. PLUS FRG-100, FT-840 and more.
The NRD-525 & 535 Japan Radio
LOWE HF-150 and HF-250
WATKINS JOHNSON HF-1000
OPTO ELECTRONICS add-on boards for PRO series Radio Shack Radios (OS456 and OS535)
SCOUT (ALL scouts and also features on Xplorer that are same as the Scout) Read memories to a SCANCAT file.

What it does

The biggest benefit is the increased scanning speed. You can cover many more frequencies per minute than what your receiver will scan at. This is quite a feat when coupled with the second neatest benefit...being able to scan frequency banks of 2 frequencies up to 1,000 or more frequencies! Depending on the type of file you create and of course your hard drive space that is free -hi! I went kind of crazy and created about 40 files. For example, I have one called NASA which is every known/logged HF frequency ever used by NASA, for those space shuttle missions. Another is called MYSTIC and includes every known USAF Mystic Star frequency. I now have one for almost every occasion! I think you get the picture. Remember, SCANCAT GOLD covers scanners too, and in the case of Icom radio's, it will control a Icom HF rig and a Icom VHF rig at the same time. For you scanner buffs, it will decode and log CTCSS, DCS and DTMF tones. You can actually scan several different frequency FILES in the same pass (15 in all). You can also toggle any or all on/off as you please. That's 15 files (or you scanner folks may think of them as "banks"-hi!) of 400, 500 or 1,000 frequencies per file!

You can create your own files by several methods that allows the input of data such as Frequency, Mode, Step, Remarks, etc. The default screen presents you with a radio screen view of what your receiver is doing, such as frequency readout as it scans, the mode, and signal strength. You can lock out frequencies, such as for birdies, from this screen also. Using the SCANPORT-GOLD utility program included with SCANCAT GOLD, comma delimited files can be read and converted to a SCANCAT frequency file for immediate use. SCANPORT-GOLD can read and convert directly to a SCANCAT frequency file D-BASE files (.DBF) such as Percon and Grove Enterprises frequency database for example, and the just recently added 'MR SCANNER's' CD rom. The direct import of TRS Consultant's schedules is fully supported. You can convert SCHEDULES (tm) Shortwave Files Directly to a SCANCAT-GOLD file. All Automated with no setups necessary. It will even import files from an ASCII dump of a data base or frequency list. This is a very slick option as the data need only be in columns and away you go! I had a ball with the WUN Logs files.

The built-in QUIKTERM (c) Communications Terminal program now has programmable Macro Keys to drive your favorite TNC.

There are so many features that after making notes for over a month, and using the program for about three months...I'm sure I've forgotten something and I've only touched on the "scanner" options many of you may be interested in, since I have restricted the most of my testing and review to "utility station" listening. But one can see how it would benefit even a shortwave "broadcast listener" and scanner folks too. This is a very advanced program that does not take a rocket scientist to install, work or run. Support is provided via e-mail, phone or BBS and a demo version can be obtained direct or from their website listed below.

SCANCAT GOLD 6.0 is available from many vendors of shortwave/scanner radio equipment for under U.S.$100.00, or direct from:

Computer Aided Technologies
P.O. Box 18285
Shreveport, La. 71138
1-318-636-1234 Order Line.
1-318-680-0449 Fax 24 hour.
1-318-687-2555 Live tech support - 9 AM to 1 PM CST (1500/1900 UTC)
NiteTime BBS - 1-318-631-3082 7 PM to 6AM CST (0100/1200 UTC)

By e-mail: scancat@scancat.com
http://www.scancat.com

BOOK'S YOU'LL LIKE


The 16th edition of this well known manual comes in at over 420 pages and is in softcover. Chapters include: Equipment; Technique; Standards; Radio Amateurs; Meteorological satellites; Frequency List of radiofax stations;
Alphabetical list of radiofax stations; Callsign list of radiofax stations; Schedules; Sample Charts and Pictures; and Abbreviations.

The biggest addition to the 16th edition is the addition of internet addresses and web site locations where one can access this data direct or obtain station information like schedules and even get the latest forecasts.

The chapter on Technique walks you through the complete transmission process for drum scanning and flatbed scanning along with physical principals, and reception.

Getting into the Standards chapter, one can learn the complete characteristics of the equipment used, such as scanning direction, index of co-operation (IOC), scanning line frequency and density. This chapter goes on to cover remote control signals; modulation characteristics; and analogue facsimile along with other subjects. Examples of test charts are shown.

Of course the meteo birds are extensively covered in Meteorological Satellites with even individual satellites covered.

The chapters covering the stations by frequency, name and callsign are complete. But taking up the bulk of the book (like 300 pages), and of real help in identifying a station or type of chart, is the chapter 'Sample Charts and Pictures'. Samples are provided from almost every station listed, along with any known web site address, which are arranged by country.

In short, this book covers the facsimile/weatherfax end of the hobby A through Z. If you are a fax/weather buff or would like to learn more, I strongly suggest this detailed reference.

1996/1997 Guide to Worldwide Weatherfax Services 16th Edition by Klingenzfuss Publications is available through most sellers of hobby books and shortwave radio products or direct from Klingenzfuss Publications, Hangenloher Str. 14, D-72070 Tuebingen, Germany

For more information: (phone 49 7071 62830) or by e-mail 101550.514@compuserve.com http://ourworld.compuserve.com/homepages/Klingenfuss

Seefunk by Rainer Brannolte and Wolf Siebal
ISBN 3-89632-013-0

Seefunk is "Sea Radio" in English, and although this book is written in German, it still can be used by non-German speakers as an information source. It comes in at about 380 pages and is softbound.

Maritime coastal stations are listed by country in the first section. A nice touch is the addition of maps at various points in the book showing where the stations are located exactly.

In the next section is a list by frequency from medium wave up to shortwave (26 Mhz maritime section). The frequency list includes voice/SSB, CW, and sitor/RTTY. The last section is a very complete list of station callsigns. Naval stations are also listed with the maritime coastal stations in every section. In Northern Germany (Deutschland) we find Norddeich Radio listed right along with "Bundesmarine" Wilhelmshaven, DHJ 59. Addresses are also given for the listed stations.

So although a non-German speaker might loose some of the details in the written sections, the vast majority of the book is not hard to understand at all. There are very few pages of strictly "text". Sitor is still spelled "sitor" and "Khz" is Khz.

The QSL's displayed throughout the book are also a treat that makes you want to get pumped up and try to QSL some of these guys! On page 184 is a Halifax Coast Guard QSL signed by our very own WUN'er Robert N. Ward. It was interesting to see the cover of the book on which are two German Coast Guard vessels, of which I have never seen one before. They are painted "SAR Orange" and white with the large letters "SAR" painted on each side of the bow.

A very detailed and well done reference into the world of maritime comms under 30 Mhz. Seefunk by Rainer Brannolte and Wolf Siebel is available at dealers throughout Europe, but not elsewhere. But it can be ordered direct from the publisher Siebel-Verlag, Auf dem Steinbuechel 6, D-53340 Meckenheim, Germany. The price is DM 29,80 or about US$27. Write for further details.

St Helena Day

Although not a 'utility station', the appearance of this broadcast station is an event that draws ute folks as well as broadcast folks for one
WUN-v02

of the more elusive QSL's around. For the first time in about two years, Radio St. Helena will be on the air October 27, 1996, 19-23 UTC on 11092.5 kHz USB.

Scheduled programs include:
Official opening by St Helena Governor.
St Helena Tourism.
The Napoleonic Museum at Longwood House.
Books on the market about St Helena.
Information about the only paper from St Helena.
St Helena stamps - how to purchase.
Environment - The Conservation Program for St Helena
Of course - international calls LIVE

For QSL's, no E-mail but use the fax (+290) 4542 or simply the snailmail address of: Radio St. Helena, Jamestown, St. Helena, South Atlantic Ocean
Telephone +290 4669, Fax +290 4542, Telex 4202 GOVT HL
Station Manager: Tony Leo

All needed information about Radio St. Helena and the island can be found at: http://www.sthelena.se

===========================================================================

THE QSL REPORT

Editor: Martin C. Barry <martin.barry@medspec.com>
6875 Fielding #02
Montreal (Quebec)
Canada H4V 1P3

STATION/VERIF/CALL/FREQ/MODE/TYPE QSL/NO.DAYS/REMARKS/CONTRIBUTOR

FIXED STATIONS
NDB Coolidge/ANU 351.0 A2A PFC 69 ds f/up, hrd on GDL (AI)
NDB Coolidge/ZDX 369.0 A2A PFC 69 ds f/up, hrd on GDL (AI)
NDB Tenerife Norte/FP 420.0 A2A PFC 91 ds hrd on CNR (AI)
NDB Gran Canaria/VR 365.0 A2A PFC 91 ds hrd on CNR (AI)
NDB Barlovento/8V 389.0 A2A PFC 91 ds hrd on CNR (AI)
NDB Tenerife Norte/UX 410.0 A2A PFC 91 ds hrd on CNR (AI)
NDB Tenerife Sur/TES 317.0 A2A PFC 91 ds hrd on CNR (AI)
NDB Hierro/HR 376.0 A2A PFC 91 ds hrd on CNR (AI)
USAF MacDill/AFE3 15016.0 USB PFC 31 DS + QSL ltr (AI)
CFARS Dartmouth/CIW824 14384.5 USB PFC 12 ds + ham crd (AI)
Entebbe Aero 11300.0 USB PFC 34 ds + ltr, 6th try! (AI)
Conakry Aero/GUI 8861.0 USB PFC 45 ds (IB)
Kinloss Rescue/G 5680.0 USB PFC 15 ds (IB)
AF MARS Lexington, KY/FF2CP 13927.0 USB PFC 15 ds (IB)
AF MARS Salt Springs, FL/AFA2XZ 13927.0 USB PFC 16 ds (IB)
AF MARS Binghampton, NY/AFA1YV 13927.0 USB PFC 12 ds (IB)
Rogers City Radio/WLC 4077.0 USB PFC 407 ds + card, info (IB)

MILITARY/COAST GUARD SHIPS
FGS Bremen (F-207)/DRAQ 8335.5 USB PFC 20 ds (AI)
FGS Bremen (F-207)/DRAQ 10192.5 USB PFC 15 ds (IB)
FGS Freiburg/DRCX 8335.0 USB PFC 72 ds + cap ribbon (IB)
Ammersee/DK3J 3116.0 USB PFC 25 ds + photo (IB)
Pelikan/DRBM 3116.0 USB PFC 24 ds (IB)
USN Ford/NNOCFB 14441.5 USB PFC 43 ds + photo, ltr (IB)
FGS Rhein (A-513)/DRHL 4145.5 USB PFC 34 ds (AI)
FGS Brandenburg (F-215)/DRAH 3116.0 USB PFC 16 ds (AI)
FGS Bayern (F-217)/DRAJ 3116.0 USB PFC 9 ds (AI)
FGS Konstanz (M-1081)/DRED 4145.0 USB PFC 51 ds (AI)
U-13/DRDG 8335.5 USB PFC 21 ds (IB)
FGS Elbe/DRHJ 8335.5 USB PFC 14 ds (IB)
U-30/DRDX 10192.5 USB PFC 162 ds (IB)
HMS Brazen 8240.0 USB PFC 20 ds + sticker, photo (IB)

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<th>Name</th>
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<th>Details</th>
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<td>USAV El Caney/ADMO</td>
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<td>USB</td>
<td>PFC 104 ds + ltr (IB)</td>
</tr>
<tr>
<td>USAV Mechanicsville/ADMY</td>
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<td>USB</td>
<td>PFC 51 ds + ltr (IB)</td>
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<td>USS Conolly/NNNOCVP</td>
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<td>USB</td>
<td>PFC 210 ds + photo (IB)</td>
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<td>USB</td>
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<td>14441.5</td>
<td>USB</td>
<td>PFC 67 ds card + diagram (MR)</td>
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<td>USS Leye Gulf/NNN0CBE</td>
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<td>USB</td>
<td>PFC 49 ds full data (MR)</td>
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<tr>
<td>USS Essex/NNN0CU</td>
<td>14441.5</td>
<td>USB</td>
<td>PFC 24 ds full data (MR)</td>
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<tr>
<td>MARS Sta. Fullerton, CA/NNN0TSD</td>
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<td>USB</td>
<td>PFC 8 ds full data (MR)</td>
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<tr>
<td>MARS Sta. FL/NNN0XPQ</td>
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<td>USB</td>
<td>PFC 5 ds full data QSL (MR)</td>
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<td>USB</td>
<td>PFC 213 ds letter, folder (RA)</td>
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<td>Civil Ships</td>
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<td>Imagination/3EWJ9</td>
<td>8267.0</td>
<td>USB</td>
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<td>Civil Aircraft</td>
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<td></td>
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<tr>
<td>Triangle Air TRU-705/EL-ZGS</td>
<td>11300.0</td>
<td>USB</td>
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<td>Centennial CNA-556/EI-CLP</td>
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<td>USB</td>
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<td>PFC 12 ds+decal, Orion P-3C (RA)</td>
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<td>PFC 221 ds + ltr (AI)</td>
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**The Little Black Book**

The following addresses were submitted by Ian Baxter, for some of his recent QSL:s:

- Occidental Airlines
- Ostende International Airport
- Office P229
- P.O. Box 32
- 8400 Ostende
- Belgium

- CANFORCE 109
- 405 Maritime Patrol Squadron
- 14 Wing
- Greenwood, Nova Scotia
- Canada
- BOP 1N0

- Conakry Aero
- Agence de la Navigation Aerienne
- B.P. 3025
- Conakry
- Republique de Guinee
Steve McDonald sent in these that go with some of his most recent catches:

Charrak Air Pty Ltd.  HeavyLift Cargo Airlines Ltd.
P.O. Box 222  Enterprise House
Lara, Victoria  London - Stansted Airport
3212 - Australia  Essex
                                    CM24 United Kingdom

Air Vanuatu
P.O. Box 148  Ansett Australia
Port Vila 501 Swanston St.
Vanuatu  Melbourne
                                          Victoria 3000
                                    Australia

Freedom Air International
P.O. Box 109 - 698
Newmarket
Auckland, New Zealand

Mike Rivkin submitted these addresses corresponding to his recent 'hot streak' of MARS QSL's:

USS Mississippi NNN0CVS  USS Leyte Gulf NNN0CBE
FPO AE 09578-1167  FPO AA 34091-1135

USS Essex NNN0CRU  USS Spruance NNNOCUO
FPO AP 96643-1661  FPO AA 34093-1201

USS Kidd NNN0CYL  USS Robert G. Bradley NNNOCMI
FPO AE 09576-1265  FPO AA 34090-1503

USS John F. Kennedy NNN0CXB  USCG Bear NNNOCCK
FPO AE 09538-2800  4000 Coast Guard Blvd.
                                          Portsmouth, VA
                                          23703-2199

Whidbey NAS NNN0NUW  Camp Lejeune NNN0NUW
MARS Comm - Bldg 20  HQ/Support BN
NAS Whidbey Island  Bldg PT 5
Oak Harbor, WA  MCB Camp Lejeune,
                                  David Mann NNNOTS
Ken Hookanson NNN0XPQ  1435 Sunny Crest
1510 NE 53rd St.  Fullerton, CA
Ft. Lauderdale, FL  92635-3750
33334

Andreas Ibold sent in these:

NDB Coolidge
OECS Aeradio
Directorate of Civil Aviation  Entebbe Aero
V.C. Bird International Airport  Civil Aviation Authority
St. John's,  6th Floor
Antigua,  Uganda House
West Indies  Kampala Road
CFARS Dartmouth/CIW824  P.O. Box 5536
Mr. Mel Lever  Kampala, Uganda
30 Raymoor Drive
Dartmouth, NS  Canary Island NDB's:
B2X 1G7  AENA

CSE  Division AIS
Centro de Comunicacoes  Juan I. Luca de Tena 14,3a
Comando Operacional de  E-28027 Madrid
Forca Aerea Portuguesa  Monsanto
P-1500 Lisbon  Portugal

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Rick Albright sent these addresses:

USNR VP-91                              Dept. of the Army
Patrol Wing Pacific                      10th Transportation Battalion
Moffett Federal Airfield, CA             Fort Eustis, VA
94035                                    23604

*** VERIFYING SIGNATURES ***

The following are verifying signatures on QSL's received of individuals to whom reception reports to stations sometimes can be specifically addressed:

Occidental Airlines: Captain Ronald G. Rossignol
Triangle Airlines: Patrick Pascaud (Operations)
CANFORCE 109: Major A.S. Campbell
USS Mississippi NNN0CVS: MARS Officer Monstyla(?)
USS Leyte Gulf NNN0CBE: Jay Langwith
USS Essex NNN0CRU: Bud Turner
USS Spruance NNN0CUO: Lyndon Griffin
USS Kidd NNN0CYL: John Jei(?)
USS John F. Kennedy NNN0CXB: Darren Golez
USCG Bear NNN0CCK: April Nz(?)
Whidbey NAS NNN0CUW: Deborah Banta, MARS Operator
Camp Lejeune NNN0MCL: Lcp1 David Hutchinson
Ken Hookanson NNN0XPQ: Ken Hookanson
David Mann NNN0TSD: David Mann
Charrak Air Pty Ltd.: Barry Miller, Managing Director
Heavylift Cargo Airlines Ltd.: Capt. V.W. Webb, Flight Ops. Manager
Air Vanuatu: Keith Wolloy, Director of Operations
Ansett Australia: H.J. Duff, Manager Flight Services
Freedom Air International: Gerry Bray, Airport Services Manager
CFARS Dartmouth CIF824: Mel Lever VE1VX
USAV James A. Loux (LSV-6): Cw2 Michael Minto, Executive Officer

# # #

THE GRAPEVINE: IAN BAXTER notes that now as he is connected to the Internet (ianbaxter@msn.com), he'll be passing on his QSL's to us on a regular basis, instead of handing them off through Rick Baker as before... MIKE RIVKIN says: "I received a call from the JFK when they got into port -- Darren Golez, the MARS officer, called and indicated he rarely receives cards from SWL's and was happy to hear from me! The call blew me away -- totally unexpected!" Mike is also starting to get better QSL results using redesigned PFC's. That and "use of the computer to fill in the base info rather than hand printing it has made a difference." The USS Mississippi QSL came with a brief message noting the ship's decommissioning as of 9/6/96, he says, and the veri from USS Essex MARS was preceded by an e-mail on 8/30/96 confirming reception... ANDREAS IBOLD was quite surprised recently at a remark I had made to the effect that QSL collecting is not one of this hobby's more popular aspects: "In our German 'Newsletter' (of course with a lot of members from Europe) were always one or two pages with QSL results!...For me it is a great part of the hobby and I would not miss it!" Andreas also points out that since he is not connected to the Internet and air-mail postage in Germany is high (3DM which is about $2 U.S.), he can't submit QSL's to WUN as often as he might like, although he has less time on his hands lately to pursue his interest. Following our recent invitation to him to proffer some advice here, he has the following: "I do not have a special secret for QSL'ing. I write a friendly report and from time to time some f/ups. That's all. The only things you sometimes need is LUCK and PATIENCE." Andreas also extends thanks to Rick Baker for recent help with an address... RICK ALBRIGHT reports receiving with his recent QSL from U.S. Naval Reserve Patrol Squadron 91 a "sticker with a miniature 'Black Cats' squadron emblem...it would seem this unit is descended from the PBY 'Catalina' night patrol 'Black Cat' squadrons of WW2."...
In response to a suggestion here last month that translated versions of a basic reception report cover letter would come in handy to some of us, Bernie <bernie@netonecom.net> has come forward and produced a version in German. Printed below is the text to that, along with a rendering of a standard PFC. These ought to prove useful to utes unfamiliar with German and who may never have tried their hand QSL'ing German stations due to the language barrier. (we are also currently awaiting translations in Polish, Russian and Ukrainian.) At the same time, Bernie has also sent along the following comments: "As I know no Polish, I would try sending a reception report in German as well as English. Many poles speak German as a second language, and one might well have more luck with the German report than with the English one. In fact, the same would hold true with other countries as well: try a report in the language of a neighboring country if the native language is not available. A French report would likely find readers in Spain, due to the proximity of the cultures. If Southeast Asia or Africa is the target, French may be advised because of the former colonization. It's not necessarily true that other countries don't speak a second language, but that second language may not always be English."

Station Name
Aufmerken: Mitteilungsabteilung
Station Address 1
Station Address 2

Guten Tag!

Ich bin ein Kurzwellezuhoerer aus ______(your location). Es freut mich gern, die Meldungen auf die Hochfrequenzbaender zu hoeren.

Am _____(day/month), 1996, um _____(time) Uhr UTC, empfing ich gern Ihre Sendung an _____ Khz (frequency) auf _____ (mode), mit der Identifizierung _____ (identification).

Vielleicht moechten Sie wissen, dass Ihr Signal hier gut und klar empfangen wurde. Der Empfang wurde mit einem _____ Radio (type of radio) und mit einer _____ meter lang Antenne (length of antena*) auf der art zufaellig Laenge/Tang Draht (random length/long wire) _____ meter hoch (height*).


Ich danke Ihnen herzlich fuer Ihre Hilfe, selbst wenn Sie wohl viele wichtige Arbeit erledigen muessen. Bitte auch entschuldigen Sie mir die Fehler in dies em Briefe, weil ich kein Deutsch kenne und deswegen diesen Formularbrief nuetz en muesse.

Mit freundlichen Gruessen!

(your name)

Notes:
1. If the author of the letter is a female, change the opening line to: Ich bin eine Kurzwellezuhoererin aus ______. No other changes are necessary.
2. * Length and height should be expressed in meters. The simplest thing is to multiply feet times 3 and round up to the nearest whole number. That should be close enough.
3. The last paragraph says: "I thank you for your help, even though you have much more important work to take care of. Please also excuse the mistakes in this letter as I can't speak German and must use a form letter." (Hopefully
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this will elicit a response in English, rather than in German.)
4. In the 4th paragraph, just select what you are enclosing (if anything).

===========================================================================
For the PFC, use the following translations:
CALLSIGN = RUFZEICHEN
STATION = SENDER
QTH = STANDORT
TRANSMITTER/POWER = TYP SENDER/KRAFT
ANTENNA = TYP ANTENNA
LOCATION = STANDORT
For the verification part, use: BESTÄTIGUNG VON: (NAME UND STEMPEL)
which means verified by: (name and stamp)

===========================================================================

Thanks to this month's contributors:
(AI) Andreas Ibold, Germany
(IB) Ian Baxter, England
(MR) Mike Rivkin, USA
(JSM) Steve McDonald, Canada
(RA) Rick Albright, USA
Special thanks this month to Bernie <bernie@netonecom.net>

===========================================================================

SURFING THE LONGWAVES
Editor: George Karayannopoulos, N2OWO
karayan@crow.cybercomm.net

RADIO ON AUDIO (part 3)

*** NEWSFLASH *** NEWSFLASH *** NEWSFLASH *** NEWSFLASH *** NEWSFLASH ***

N E W S F L A S H

BEACON PYD IDENTIFIED!!!

N E Beacon PYD, 414kHz, which went unidentified for a very long time, now has been identified. Lowdown, the newsletter of the Longwave Club of America, reports in its September 1996 issue that three bearings taken by LWCA member Don Tomkinson helped him locate the beacon at the old George Air Force Base, in Victorville, California, USA. This is now known as Southern California International Airport (that's VCV for the aerobuffs among you).

* * *

Airport authorities did not acknowledge this beacon, however, which leads LWCA to believe that the beacon may be operated by the U.S. Army, which also makes use of the airport. Full id is still pending. If anybody lives nearby, or has any connections to the U.S. Army, or any information at all, please contact me (karayan@crow.cybercomm.net) and I will forward the info to LWCA.

* * *

Lowdown goes on to report that there are other unID'd beacons out there, the most popular of which is GRN on 382kHz. Again, any help with the identification of this one would be appreciated.

* * *

See the bottom of this column on LWCA's Web pages, where you can find more info on how to become a member to this VERY worthwhile club! We now return you to your regularly scheduled column.

WSFLASH*** NEWSFLASH *** NEWSFLASH *** NEWSFLASH *** NEWSFLASH *** HSALFSW

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Hello again, longwave friends. We continue our column this month with the final part of Steve McGreevy's natural radio article. Enjoy!

"A WHISTLER SERENADE" (part 3/3)

A LISTENER'S STORY ABOUT ELF/VLF "NATURAL RADIO" EMISSIONS OF EARTH IN THE 0.1 TO 10 KHZ FREQUENCIES

By Stephen P. McGreevy, (spmcgrvy@ix.netcom.com/ s.mcgreevy@genie.geis.com)

One of my favorite examples of intense scrutiny of individual whistlers (by at least 25-30 listening groups or single monitors), was of "The Giant Whistlers" of the morning of March 28, 1992, specifically, of two whistlers occurring about an hour apart. In and of itself, these two huge whistlers are not really different from other strong whistlers which occur in the hundreds and maybe thousands throughout any season, but it WAS remarkable in that they were serendipitously caught on tape by so many listeners, who were participating in a high school student monitoring effort coordinated by a team of scientists and high school professors, called "PROJECT INSPIRE." The INSPIRE effort was sanctioned by NASA to study the ground reception pattern of radio wave emissions from a special "modulated electron-beam" generator (called "ATLAS") aboard the Space Shuttle (STS-45), which flew in late March, 1992. A schedule of ATLAS "transmissions" was established in hopes that the ground-based VLF radio receivers set up by the student groups would hear its emissions. Unfortunately, the shuttle-based ATLAS unit failed after only two (unheard) transmissions. Fortunately, it was decided the students groups and other individuals should adhere to their INSPIRE listening schedule, and also to "backup" listening schedules arranged for the mornings of March 26-30, 1992. It was during many of these scheduled regular and backup listening periods that many interesting natural radio events were captured, including several strong and powerful whistlers. A very detailed report entitled PROJECT INSPIRE DATA REPORT was produced in August 1992 by Michael Mideke, who was the project's data analyst. It is from this report where the following interesting scenarios of whistler reception has been interpreted.

Back to the two "Giant Whistlers" of March 28, 1992. Bill Hooper, shivering at 4 a.m. Pacific time in his camper near California's Death Valley, started his tape recorders running once again. Bill was one of many experienced whistler enthusiasts who was monitoring individually but part of the larger INSPIRE student effort. He had set up one of the most sensitive whistler receiving stations by far of the entire group participating in the INSPIRE listening sessions, thanks in part to his remote desert location, great distance from any electric power lines combined with plenty of room for a large antenna and very sensitive whistler receivers of his own original design.

At precisely 4:02:38 a.m. PST, or 12:02:38 Universal (Greenwich Mean) Time, an extremely strong (long, 2-hop) whistler was recorded by Bill at his Death Valley listening site. So very strong was this whistler that it briefly overloaded Bill's receiving system. It also produced a "4-hop echo" which was also clearly recorded on his tape. This whistler was also heard and recorded as far away as the U.S. midwestern region and eastern sea board, but much weaker and "truncated" that is only a fairly narrow spectrum of this huge whistler, in the 3-6 kHz range, propagated eastward. This whistler was also heard weakly to moderately in south-central Texas but again was somewhat truncated there like farther east. Interestingly, a large part of Texas was experiencing heavy rains and lightning storms-whistler receivers in southeastern Texas were picking up very strong, local-like lightning stroke "sferics." If the source lightning of this whistler was in Texas, one wonders how it arrived so loud in the California desert! Perhaps it was generated by lightning strikes somewhere else, perhaps to the north or northeast of California, and far enough as to not really make much of an obvious sferic "pop" in the whistler receiver.

An hour later, a nearly identical strong whistler to the one at 12:02 UT occurred at 13:03:03 UT, this time heard by myself as well as Mike Mideke and others listening in Arizona New Mexico, and even Minnesota. Unlike the
earlier big whistler, this particular whistler as heard in Minnesota was stronger. It also was not as "truncated" as was the earlier strong whistler. Interestingly, the sferic generated from the causative lightning stroke was rather weak in California, unlike its whistler. Clearly, on this morning the big whistlers were concentrated in the western United States even though the lightning storms weren't. It should be noted there were days when the whistlers were stronger in the eastern United States and were weaker "out West," and point out how the locations of strong whistler activity change day-by-day and can't easily be tied to where lightning is happening. More on this in a bit.

While we are on the subject of loud whistlers and speculation on their originating lightning strokes, I have an anecdotal whistler story of my own to bring in at this point. While on our September 1993 "Big Trip" in my van and eventually to tour the Canadian provinces of Manitoba westward to British Columbia, Gail and I stopped in the eastern Nevada desert about 20 miles west of Wendover, Utah to catch several hours of sleep. Gail and I had driven most of the night across the Silver State after a brief stop the evening before at another favorite natural radio listening spot an hour's drive east of Reno, where we had heard and taped a marvelous variety whistlers, some very strong like the ones recorded by the INSPIRE listening groups in March 1992.

Very sleepy and exhausted after 250 miles east-bound on Interstate 80, we took a remote exit off the freeway and headed south down a wide, unpaved road running alongside some railroad tracks. In the dark, we noticed there were powerlines running along the train tracks, but determined to stop in a spot where we could get some sleep and record whistlers (which I was sure must still be roaring), we kept on going until we saw another smooth dirt road branching away at right angles away from the tracks and pesky wires. Making occasional checks for powerline hum with my WR-3, we drove far enough from the wires at least 5 miles to where I couldn't hear any hum with my WR-3 whatsoever. By this time, we was just too tired (and now cold) to even set up the better WR-4B whistler receiver's antenna. I just had enough energy to get in the back of the van and tuck myself under the covers, falling quickly asleep.

Awaking a few hours later, I noticed it was somewhat light with a slate-gray sky. Time to set up the WR-4's 10-foot copper-pipe antenna and check out the whistler band. As predicted, there were wonderfully loud "growler" type whistlers roaring out of fairly light background sferic static. I hopped back into bed and switched on my cassette recorder, capturing these great whistlers onto a 90 minute tape. My WR-4B whistler receiver was once again proving to be a truly superb receiver with its van-attached pipe antenna and convenient bedside control box, while the trusty WR-3 made a nice spot checking receiver. With the WR-4B, I could snuggle under the covers and run tape even if I fell asleep while recording. It certainly was a vast improvement over holding our WR-3's out the vehicle window or clamped in the van's door as we did that August 1992 night up the California Coast, and Mike Mideke even commented in a letter: "I was wondering when you'd get out of hand-held mode!" This September 17, 1993 morning, Gail and I were having a nice time parked once again in the beautiful high desert surrounded by beautiful mountains, pungent sagebrush, whistlers roaring in the headphones, and few cares in the world.

The entire 4,500 mile trip through 10 states and 4 provinces was completed in about 2 weeks and over 10 hours of natural radio recordings, including wonderful "auroral chorus" while watching the northern lights dance overhead in Alberta. While many of my whistler and chorus tapes were recorded while tired, semi or fully asleep, I was not able to critically scrutinize what things I was recording until I got home. Herein lies the beauty of taping what you hear events can be listened to again and again in my case usually for the sheer beauty of Earth's natural radio sounds, but also for scientific analysis if necessary. Also, subtle events are sometimes missed while monitoring live due to fatigue, the distraction of beautiful surroundings, and so forth.

What I can explain about those great big eastern Nevada whistlers of
September 17, 1993 is as follows: They were coming from rather weak but distinct and clean "tweaking pops," the kind which are produced by fairly distant ground strikes. Now, I've listened to a lot of lightning sferics while watching the lightning strikes making them, and the sounds of lightning static can be as varied as the visual strikes. I've noticed that the big, bright, single cloud to ground lightning strikes can deliver a very loud but clean "pop" in the whistler receiver's output. Cloud-to-cloud lightning, sometimes tripping other nearby in-cloud lightning, sounds more "crackly" or like the crushing of a Walnut in a nutcracker.

Anyway, interspersed amongst the numerous weak sferics and occasional, huge whistler generating popping tweak were occasional strong and semi-local lightning sferics dry sounding and not tweaking that were generating very weak and quite diffuse ("hissy") whistlers. These strong sferics were coming from lightning within about 50-100 miles of my listening location. Seems they just weren't generating big whistlers or if they were, the whistlers were arriving SOMEWHERE ELSE strong but distant enough to explain their rather weak strengths near their source lightning. So, this idea of lightning stroke energy entering a duct or ducts to travel to the magnetic conjugate and then back again to the general area of their generating lightning strokes is a fairly simplistic explanation and not entirely satisfactory. And, as simplistic explanations tend to do, it fails to consider more complex events taking place...

It is my supposition that, somewhere, as they merrily arch along the magnetic-field lines, whistler ducts can cross, combine, and/or excite each other. In my mind this helps explain why 2-hop whistlers don't always "land" near where their originating lightning stroke occurred, but can wind up a thousand or more miles away! If you will, whistlers can "jump rail" and enter adjacent ducts, winding up curiously far from where they should arrive. Whistler wanderlust. As such, it is hard to believe southern England and Marion Island would have a dedicated whistler duct connecting them "together" and transferring Marion Island Lightning into Wiltshire whistler crop circles! More than likely, lightning energy from Marion Island winds up occasionally as a short whistler in southern England, but maybe an hour, day or week later, is sending whistlers into France, Spain, Iceland, or maybe Moscow and these wandering whistlers are "bouncing back" as 2-hop whistlers now even more removed from their parent lightning storms!

I think conjugate points (and their associated "impact zones"), caused by variations in the exact position of Earth's magnetic field, can vary daily and even hourly call it "conjugate end-point drift." If the solar wind is pushing against the magnetosphere, either gently or as can be the case after solar flares and "coronal mass ejections" from the Sun rather violently, then the motion of Earth's magnetic field lines and any whistler ducts present within them must also get tugged and pulled to various degrees from their "normal" positions. This and my suggested whistler duct-crossings, jumps, and recombination's must be partial explanations of why lightning in Texas sometimes causes strong 2-hop whistlers in California, or why Nebraska lightning generates huge whistlers in Manitoba that are weaker in Nebraska. Where was the Nevada lightning of the morning of September 17, 1993 sending strong whistlers (if any) to? Where were the rather weak lightning sferics that generated such giant eastern Nevada whistlers? I can also ask, just where was the lightning that spawned southern England's artistic whistlers?

One can't neatly package the fascinating whistler phenomenon with magnetic conjugate points, lightning stroke counts, fixed impact zones, et cetera, et cetera, and expect to easily explain what in reality is a mind-boggling dynamic process that changes like a kaleidoscope and never repeats. While it is intriguing and fun to try and scientifically unravel the phenomenon of whistlers, part of their allure is that they are just there to be listened to they are as nice to hear as sunsets are to see, and the reasons for their existence must sometimes take a back seat to the beauty of their tones.

Neither myself or anyone else have yet to determine if there are "special places" where, perhaps due to local terrain or geology, whistlers are louder and more frequent than average. But, they may exist somewhere. Intriguingly, Edson Hendricks, a researcher into the mysterious "Marfa Lights," heard
extremely loud whistlers issuing forth from a very crude and seemingly insensitive whistler receiver during a display of these strange and spooky colored balls of lights occasionally seen in the desert near Marfa Texas for nearly 50 years. Ed was listening right near powerlines, and their "hum" would have surely been overpowering to more sensitive whistler receivers like my WR-3/4's or BBB-4, and also Mike Mideke's fine RS-3/4's, but Ed tells of these very pure whistler-like notes far stronger than the weakish background hum, as heard in the output of his simple receiver. Something is going on there in west Texas that needs further checking out, and it again points to the great need for more people to join in the whistler listening movement. We would know vastly more about whistlers if there were as many people listening to whistlers as were watching the prime-time fare on television a silly and hopeless wish but even 100 or more people joining the whistler listening movement and coordinating listening schedules would give a clearer idea of when and where whistlers are coming and going.

If whistlers aren't enough of a fascinating pursuit, there are a host of other natural radio sounds which can be heard at the 0.1-10 kHz audio-frequency portion of the radio spectrum to keep enthusiasts hooked on these Earth radio sounds. One of the more common (but less frequent than whistlers) are "chorus," which consists of a series of sharply-rising notes, called "risers." This fairly common phenomenon (but not as common as whistlers) can mimic the sounds of a flock of birds chirping, frogs croaking, or seals barking. Chorus occurs during magnetic storms, when Earth's magnetosphere receives a barrage of high-speed energetic particles cascading into it from solar flares on the Sun or from energy ejections from the Sun's "coronal holes" which allow to escape the Sun in streams traveling at sub-light speeds. This phenomenon of magnetic storms is also responsible for the Aurora Borealis and Australis the Northern and Southern Lights seen in the sky at higher latitudes close to Earth's Arctic and Antarctic regions. Chorus can happen during visible aurora and is called "Auroral Chorus" this sometimes can also be heard over a widespread area at around local sunrise, when it is called "the Dawn Chorus." Often accompanying Earth's magnetic storm associated auroral displays and natural radio chorus is "hiss," "wavering-tones," and other endless varieties of natural radio sounds.

Just when lightning seemed a rather common and well studied phenomenon, awesome as it is, Mother Nature throws another "wow!" at mankind. It seems we can now add the terms "red sprites" and "blue blobs" to our lightning storm vernacular. I am fascinated by recent videotaped evidence presented to the world scientific community and also general public pertaining to massive red and blue bursts of lights occurring as high as 20 to 30 miles above lightning storms. For years, pilots of high-altitude aircraft were reporting sightings of strange blue and red lights seen above lightning storm clouds which were occurring at the same time as lightning flashes in the clouds below.

In the summer of 1994, scientists from the University of Alaska Geophysical Institute in Fairbanks, Alaska were at last able to very clearly videotape these incredible lights using high-speed video cameras located on the ground and aboard two aircraft flying over storms in the U.S. Midwest. As though squirted out of a spray bottle, bursts of red light can be seen bursting upward in a stream right over lightning strokes and flourishing in a great cloud of light, lasting for about 1/10th of a second.

Fascinating as these baffling red and blue lights are, what's even more intriguing to natural radio listeners like myself is a quote from one of the researchers, David Sentman of the U. of Alaska Geophysical Institute, who says that the radio signals, when played through an audio speaker "sound like eggs hitting a griddle." Sounds like the hundreds of thousands of crackling sferics I have heard and tape recorded through the years, many of them (but certainly not all or most) have set off nice whistlers. I have always pondered at the sheer LENGTH of many of these lighting sferic crackles quite a few of them are about a second in duration, and there are occasionally crackles which carry on for almost 2 seconds! These times seem far longer than any actual flashes of lightning I've ever witnessed, although it would seem lightning strokes can trigger other lightning strokes (via these immense radio energy impulses), seemingly supporting the reasons for such lengthy
sferic "crackles." Now, it would seem I've been hearing the radio sounds of sprites and blobs I wonder if renaming my WRh3 "Whistler Receiver" to a "Sprite & Blob Receiver" might be appropriate. Seriously, there is thought amongst whistler listeners that these weird lightning stroke emissions are what may be causing whistlers, since they offer visible evidence of a linkage of energy from above the lightning storm clouds toward the ionosphere. They do not occur during every lightning stroke, just like whistlers do not happen after every lightning stroke.

Since the Aurora Borealis and Australis more commonly referred to as the Northern and Southern Lights also generate fantastic VLF radio sounds, it remains a dream of mine to video-tape the Northern Lights while simultaneously recording their radio emissions onto the audio sound track. I have watched aurora in Canada dance in the skies and listened to their beautiful whistling and squawking in the whistler receiver bursts in intense aurora would also create bursts of auroral radio sounds. I understand the U. of Alaska Geophysical Institute in Fairbanks (the same folks studying the "Red Sprites" and "Blue Blobs" over lightning storms) has created an extremely sensitive (equivalent to 2 million ISO) video camera. They videotaped beautiful auroral displays in the Alaskan nighttime skies with astounding high clarity and detail, something never before achieved. Most auroral photography requires time-exposures with still cameras to turn out brightly. But then, the fine detail of the auroral curtains becomes smeared due to the motion of the auroral displays.

The most basic receiver required to pick-up and record whistlers and all of the other Natural Radio signals of Earth is a tape-recorder audio amplifier connected to a wire antenna (aerial) of sufficient length to transfer enough radio energy into the tape-recorder's audio amplifier to successfully record them. In actual practice, however, this crude tape-recorder/audio-amplifier "receiver" will most likely also intercept your local broadcast station transmitting in the long or medium-wave band as well as other signals, and it may not have enough "sensitivity" since tape-recorder inputs rarely are well "matched" in impedance for wire aerials but prefer microphones and such.

Fortunately, whistler receivers are rather easy to construct and are for the most part less complicated than $5 AM "pocket" radio. A handful of parts and a couple of fairly commonplace transistors can form the basis of a very good whistler receiver that will perform very satisfactorily and almost as well as the professional study units that cost upwards of several hundred dollars. Following this piece will be a receiver circuit schematic and some commentary. This whistler receiver circuit has proven to be a very fine "basic" whistler receiver that I have been using (along with several other VLF receiver designs) during the past 5 years of my Natural Radio recording efforts. This receiver is called the McGreevy BBB-4 (Bare Bones Basic, version 4). It is also similar to Mike Midike's RS-3 and RS-4 designs except it does not include the second audio filter that is present in Mike's designs, and the "front-end" of the BBB-4 is of the design I primarily employ in my whip-antenna receivers.

In closing, I invite readers to join in and listen to the wonderful radio sounds of Mother Earth. You needn't be interested in science or be a radio buff, but need only to have the desire to lend an ear to the extraordinary yet ordinary. Like star gazing, Natural Radio listening redirects the mind and heart toward the wonder and beauty of the natural world.

Stephen P. McGreevy

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Again, a big thanks goes to Steve for sharing his enthusiasm with us!

As I have already mentioned, if you are on the Web, you can find some great samples of recorded whistlers on Steve's Web pages, at http://www-pw.physics.uiowa.edu/mcgreevy/

Among all kinds of information, Steve has placed a number of zipped sound files for you to download and hear. Check it out!

Also, Steve maintains pages at:
http://www.netcom.com/~spmcgrvy/vlfsound.html

With lots of natural radio info.

If you do not have PC with sound card, or if you wish to hear these sounds on your home, mega-dollar, giga-watt stereo system, Steve's recordings have become available on CD! For details, go to:

http://www.ibmpcug.co.uk/~irdial/vlf.htm

Great info on natural radio on this site too!

By the way, if you are thinking about venturing into radio REAL basement band, you can find plans for easy to build receivers. If you are not the homebrewer type, Steve sells his WR3E radio. You can get info at:

http://www.netcom.com/~spmcgrvy/wr3e.html

(Neither WUN nor I have any connection or interest in Steve's product, or any other radio company for that matter. I just report what I find on the Web.)

For a look at another option for a natural radio receiver check out the following URL: http://www.bluesky.com/warren/radios/vlf.html

It points to a page maintained by an old radio buff, and it contains pictures of a natural radio receiver by Conversion Research. Again, I have no connection with this company and I have not used this receiver. I just found the page while surfing on the Web. Speaking of the Web, have you checked out the web site maintained by the Longwave Club of America? You can find it at:

http://www.users.aol.com/lwcanews/index.html

There is also an alternative site at: http://www.anarc.org/lwca/ which is full of very useful information.

Well, time to say goodbye again. Next time we will deal with a band slightly above the longwaves. Until then, keep those articles coming!!

73 es gud DX, de George, N2OWO

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# UTILITY ROUND-UP #
[ editor: Ary Boender ary@bitbike.com 2:283/512.24 ]

In this edition I have an interesting article written by Simon Collings for which I thank him very much. I am looking for info about Antarctic radio stations and freqs for a future item in this column. Anyone???

Fran freqs
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Lindsay Blanton copied hurricane support traffic during Fran's attack. Note these frequencies as they will probably be used again when the next hurricane arrives.

3923 - North Carolina Emergency Net "for admin and tactical use only" by net control! in LSB.

3993 - South Carolina Emergency Net.

5211 - Lots of callsigns checking in USB. This is FEMA Night Primary.

14325 - National Hurricane Watch Net, KC4KOH and K5SIV are net control for this net in USB. Lots of reports on this freq.

ITU's HF Field-Strength measurement campaign
---------------------------------------------

The reasons for the campaign and the continuing need for participation in it, are underlined in resolution ITU-R 27 (HF Field-Strength measurement campaign). So far, regular transmissions have been provided by the administrations of Australia and Norway, and these have allowed a limited number of measurements to be obtained in several different locations of the world.

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WUN-v02

LN2A in Sveio is operated by the Norwegian Telecommunications Authority and Telenor Broadcasting, and VL8IPS in Darwin, Australia is operated by IPS.

Radio Beacons LN2A and VL8IPS

ID Signal (Morse code): LN2A, VL8IPS
Location: Sveio, Norway and Darwin, Australia
Hours of transmission: 24h
Assigned Freqs: 5470, 7870, 10407, 14405 & 20945 kHz
Transmitter: Icom IC 725 Transceiver, IC-4KL PA
Transmitted power: Approx. 1 kw on all freqs.
Antenna: 5 band trap vertical monopole
Mode: 850 hz F1B, with the "MARK" 800 Hz above the assigned freq. and the "SPACE" 1650 Hz above the assigned freq.

Signal duration and format: as specified in recommendation ITU-R P.845; (which is roughly as follows: ID transmitted in morse code (2750ms), 650ms of mark freq, two 220ms bursts of high speed data 35ms apart, 2770 ms of 100 baud reversals, 128 bits (1280ms) of 100 baud data, 3140ms of space freq 1000ms of 100 baud reversals. Sequence then repeats) 4 minutes for each freq, 20 minutes for all five freqs according to the following schedule:

<table>
<thead>
<tr>
<th>Freq.</th>
<th>Times: hour +</th>
</tr>
</thead>
<tbody>
<tr>
<td>14405</td>
<td>00, 20, 40 mins</td>
</tr>
<tr>
<td>20945</td>
<td>04, 24, 44 mins</td>
</tr>
<tr>
<td>5470</td>
<td>08, 28, 48 mins</td>
</tr>
<tr>
<td>7870</td>
<td>12, 32, 52 mins</td>
</tr>
<tr>
<td>10407</td>
<td>16, 36, 56 mins</td>
</tr>
</tbody>
</table>

The Norwegian Telecommunications Authority and Telenor Broadcasting would be pleased to acknowledge reception reports of LN2A with a QSL card. The contact address is:
The Norwegian Telecommunications Authority (Att. AYO/TF)
P.O.Box 447 Sentrum
N-0104 Oslo
Norway

Sources: ITU, Norwegian Telecomm and one of our members who described the signal format so clearly (sorry, can't remember who it was; tnx !)

Radio Propagation (c) Simon Collings, G4SGI

Radio waves are a form of electromagnetic radiation which lies at the bottom end of the spectrum below visible light. Radio waves have frequencies ranging from almost zero Hertz up to hundreds of Giga Hertz. The spectrum is usually divided up into bands, some of which are:

# Very Low Frequency (VLF)  # Low Frequency (LF)
# Medium Frequency (MF)     # High Frequency (HF)
# Very High Frequency (VHF) # Ultra High Frequency (UHF)

There are additional bands both above and below these ranges, but these will not be covered here.

In general, VLF is used for long distance communications over thousands of miles or for special-purpose short distance applications such as for hearing aid inductive loops (public address systems can couple to hearing aids using VLF). LF is used in Europe for longwave broadcasting. MF, also known as mediumwave, is used for broadcasting throughout the world. HF, or shortwave, has many applications including broadcasting, long distance communications and over the horizon radar. It is capable of supporting worldwide communications. VHF and UHF is used for broadcasting and mobile communications mainly over short distances (typically up to 100 kms or more).

Conventional radios cover the spectrum from VLF to UHF. This part of the electromagnetic spectrum contains most of the man-made transmissions that exist. Specialist receivers and aerial systems are needed for the extreme limits of the radio spectrum; issues raised by this kind of operation will not be explored here.
Like all electromagnetic radiation, radio is affected by the medium it propagates through. The type of propagation that can be supported depends on the frequency and other circumstances. This has a bearing on what you can hear with a radio receiver. The known modes of propagation are as follows:

- **Free-space waves**
  - Unimpeded propagation of radio waves through free space. Free space propagation is the least interesting (but the most common) form of propagation. Most VHF and UHF transmissions are subject to free space propagation, although the refractive index of the intervening air becomes important after short distances and other modes occur.

- **Ionospheric waves**
  - Propagation influenced by the presence of an electron gas-plasma high in the Earth’s atmosphere. The propagation of radio signals over long distances is generally restricted to the high frequency (HF) part of the spectrum (about 3 - 30 MHz), although significant propagation can take place at other freqs in unusual circumstances.

HF signals are refracted from regions of ionization which exist high in the Earth’s atmosphere. These regions are known as the ionosphere and consist of layers of ionized gas molecules and free electrons. It is the electron gas plasma which can refract electromagnetic waves and prevent them from escaping into space. The ionized gas molecules are not thought to play a significant role at radio frequencies.

Much of the early research work into ionospheric propagation was done by Professor E.V. Appleton FRS in the 1920s at the Cavendish Laboratories in Cambridge. The exact radio frequency that can be refracted depends on the electron density (which increases with height from the ground) and the angle of incidence of the radio waves to the ionosphere. These depend on the distance between sites, the types of aerials in use and the condition of the Ionosphere.

The amount of ionization (and therefore the electron density in the plasma) depends on the flux of radiation (manly ultraviolet) from the Sun. These separate the electrons from the gas molecules to create the plasma and ions. The level of radiation from the Sun depends on the time of day, season of the year and the phase of an 11 year (approx.) cycle of activity. A good estimate of the level of solar activity can be found by counting the number of Sun spots that are visible on the Sun’s surface. These correlate well with the solar flux level and are easy to observe with a solar telescope. **DO NOT TRY TO OBSERVE THE SUN WITH THE NAKED EYE OR DIRECTLY THROUGH A TELESCOPE OR BINOCULARS.**

During the day, the solar flux increases as the Sun comes into view and the electron density in the ionosphere increases (the ionization extends down through the atmosphere). This allows high frequencies (perhaps around 20 MHz or higher) to be propagated over long distances. Signals are refracted from the ionosphere and reflected back down to Earth in on or more "skips". Large distances can be supported in this way. At night when the solar flux is low, radio energy is absorbed less and the lower frequencies are propagated better.

- **The ionosphere is arranged in layers as follows:**
  - D-LAYER. This forms during the day at a height of about 60 - 90 kms from the ground. Since the atmosphere's density at this low altitude is quite high, a lot of absorption takes place especially at low frequencies (up to 7MHz). High frequencies are not as badly affected and they can penetrate to higher levels with relatively low attenuation. During the night, the D layer dissipates quickly and signals at the very bottom end of the spectrum (including medium wave and long wave) are no longer attenuated and can propagate over very long distances.

E-LAYER. This layer is located at about 100 - 125 kms from the ground. The
E-layer does not absorb signals as much as the D layer and can support some long-distance propagation. In the Summer (and sometimes in winter), dense clouds of ionization can form for short periods of time (they are thought to be the result of "shear winds" at high altitude). These patches of "sporadic E" can refract radio signals well into the VHF part of the spectrum. Sporadic E is responsible for long distance reception of VHF Band II signals and is often used by radio amateurs for long distance VHF operating (distances of 2000 miles or more have been achieved).

F-LAYER. Actually, this layer can split into two: F1 and F2 when the solar flux is high (during the day). These layers tend to merge together at night into a single layer. During the day, the F1 layer forms at about 200 kms and the F2 at about 400 kms. The bulk of HF (shortwave) transmissions are propagated by the F2 layer. The altitude of the F layers is so high that it is illuminated by the Sun for long periods of the day and is slow to dissipate at night. The layer is at its minimum just before sunrise and reaches its peak just after midday.

Anomalous forms of ionospheric propagation include:
Fading, Scatter, Meteor trails and Aurorae

Fading
This is the most commonly experienced variation in ionospheric propagation. There are several causes of fading including:

MULTIPATH
When a signal is propagated via the ionosphere it is possible for it to do so via a number of paths. When many signals arrive at the receiver, they may be slightly delayed as a result of slight differences in the path taken. These delays can be up to 10 milliseconds in duration. The impact of multipath is to superpose radio waves at the receiver's aerial; if two waves are displaced by an integer number of wavelengths they tend to add together and reinforce the signal, if they are a half-integer number of wavelengths apart they tend to cancel and produce a fade. This has a number effects on radio reception including frequency selective fading (which is often heard as intense distortion when the carrier on a double sideband AM transmission has faded); digital signals suffer inter-symbol interference; and WEFA images have a smeared appearance.

Sudden Ionospheric Disturbances
Intense solar activity, such as from solar flares, can cause a marked increase in the level of ionization present in the ionosphere. This is because a lot of particles and radiation can be released into space by the Sun at these times and it can cause increased ionization in the D layer where a lot of radio frequency energy is absorbed. The result is a deep fade over a wide frequency range which can last from a few minutes to a few hours.

Proximity to LUF and MUF
Two commonly referred to terms are maximum usable frequency (MUF) and lowest usable frequency (LUF). These define the useful range of radio frequencies that will be supported between two locations for a given time. Above the MUF, signals are not refracted enough to return to Earth and the signal escapes into space. Below the LUF, radio frequencies are absorbed too much for pro-
If a signal is near either of these two limits it may be subject to fading as small fluctuations in the ionosphere cause the signal to be lost and regained by the receiver.

Scatter

The majority of ionospheric scatter takes place as a result of anomalies in the propagating layer of the ionosphere that is being used for a particular path. Patches of intense ionization, or local variations in height, can cause abnormal refraction to take place. These lead to differences in the angles of incidence and refraction that are supported and the strength of signal that is received.

There are a variety of scatter modes including: back and side scatter; tropospheric scatter; trans-equatorial scatter.

BACK AND SIDE SCATTER

These types of scatter are rare and involve deliberate aiming of high gain, high power signals at regions of the ionosphere that scatter the signal. Propagation paths are supported that otherwise be impossible.

Meteor trails

Meteors create trails of ionization high in the atmosphere as they burn up. A great deal of energy is released as the meteor is destroyed so that even a small meteor can produce a trail that is a mile or so long. These trails can sometimes refract radio waves if they are large enough. However, the free electrons and gas molecules quickly recombine and propagation may only be supported for a few seconds.

This type of anomalous propagation has been successfully used for frequencies near the middle of the HF band (around 15 MHz) well into the VHF part of the spectrum (higher that 100 MHz). The meteor trails need to be about equidistant between the transmitter and receiver; this limits the distance to about 1500 kms.

Aurorae (Borealis and Australis)

The Aurora Borealis are more commonly known as the Northern Lights and is caused by ionization as a result of a flux of particles from the Sun trapped by the Earth's magnetic North Pole. There is a corresponding Southern Lights known as the Aurora Australis which occurs in the southern hemisphere. Aurora are generally restricted to the polar regions but the Aurora Borealis can occur as far south as the United Kingdom in rare circumstances.

The ionization occurs is curtains which are visible to the naked eye. These support radio random wave reflection at 3 - 5 MHz and propagation in this range over long distances. VHF signals are returned in much the same direction as they were sent. Auroral propagation produces a rapid flutter on signals which ranges from about 100 Hz to 2000 Hz. This makes it impractical for all but morse code.

Ionospheric and geomagnetic storms

Eruptions of activity from the Sun can cause intense streams of particles and radiation to be ejected into space. If these strike the Earth, they can cause large variations in ionospheric conditions or "ionospheric storms". There are usually geomagnetic storms in progress at the same time.

Both types of storm cause a reduction in the maximum usable frequency that the F2 layer of the ionosphere will support. There is also an increase in the amount of ionization in the D layer where a great deal of radio frequency energy is absorbed. These two effects lead to a depression in ionospheric conditions. In extreme cases HF propagation may no longer be possible. Such storms vary in size and can cause depressed conditions from one to several days. They tend to recur after 28 days when the same sun spot group on the Sun's surface comes back into view (the Sun has rotated once).

Tropospheric waves

Propagation caused by variations in the refractive index of the atmosphere in the lower levels (troposphere). Tropospheric propagation is an interesting mode of propagation which does not involve the ionosphere. The troposphere is the bottom 10 km or so of atmosphere and is where the weather patterns form.

In this part of the atmosphere, it is possible to refract radio signals in the VHF part of the spectrum as a result of variations in the refractive
index of the air. These variations may be caused by ice crystals, atmospheric pressure changes and temperature inversions (where warm air lies on top of cold). Tropospheric propagation is frequently responsible for co-channel TV interference in which ghosts of another channel can be seen beneath the normal signal.

Ground waves
Propagation along the surface of the Earth (as evanescent waves). This is only of practical interest with low frequencies (medium wave, long wave and below). This type of propagation is used by cavers wanting to communicate underground and by submarines which need to establish communications while still submerged in the sea. Medium wave broadcast signals are propagated by ground wave during the day but may be subject to ionospheric propagation during the night.

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The WUN Logs Column

Rick "RD" Baker, editor: 1352 Cavalcade Dr., Austintown, Ohio 44515-3844 USA
e-mail: utelistener@msn.com or ae411@yfn.ysu.edu
Co-edited by TEAM LOGS:
Andy Brill from Auckland New Zealand (abrill@iprolink.co.nz); Roland Proesch, from Kiel, Germany (Roland.Proesch@kiel.netsurf.de) and Stan Scalsky from Leonardtown, Md, USA (sscalsk@atc.ameritel.net)

Howdy folks,
we have 77 contributors this month, to which I say "thanks" to all. We have logs from our usual locations, along with Japan, Brazil, and Austria this month.
The gang of Team Logs again asks that especially those who post or e-mail their logs to try and get them as close as possible to our format. Many man hours go into editing logs to the common format seen in the logs below. It seems some folks go out of their way to get the data scattered about as much out of our format as possible. There is a method to our madness! Thanks!

=CIVIL AERO=

2941 Kiev Volmet, URS 2320 USB w/Volmet Tx in russian. (JS3)
3016 REACH 11: 2140 USB posn 45N 43W next 43N 20W (CH)
4654 TWA 904 0423 USB AB-HK wkg Berna R. LD/SEL cal check. (TO)
4675 Reach 3033 2150 USB 60 10 - 2148 310, Alden 2229-VM, 126.55 at boundary. (JM3)
5493 Jamba 001: 0121 USB wkg N’djamena. FL410. (IB) Speedbird 56 2258 USB w/flight info to Brazzaville. Luanda 2258 USB clg Speedbird 56. Kinshasa 2301 USB clg Speedbird 56. N’Djamena 2302 USB wkg Brazzaville. Speedbird 238 2311 USB w/flight info to Brazzaville. Austrian 532 0006 USB w/flight info to N’Djamena. Springbook 225 0011 USB w/flight info to N’Djamena. (JS3)
5532 Springbook 225 2252 USB wkg Joh.burg. (JS3)
5535 Lima Radio: (SAM LD/SEL) 0725 USB wkg American 951 w/posn ck. (RB)
5541 KLM 184 1016 USB over northern Denmark, wkg Stockholm LD/SEL, reception was poor so he Q5xed to 10575. (AO)
N625PL 0023 USB AD-EG wkg Stockholm LD/747F of American International/Connie Kalitta dep msg OMEJ 2255 ETA OTBD 0850 5541 Air Europe Italy 701 0203 USB wkg Stockholm/Msg for company: dept CUN 2250/2300 ETA MXP 0850 also relayed dept. msg from AEL 731. (TO)
5550 Air Europe Italy 745 0351 USB KR-JM w/NY/ARP HESSE 47 F330. Sobelair 1880 0427 USB CF-ES w/NY/ARP F310 est THANK 0432. N5073 0039 USB HP-CM wkg NY/ARP NUCAR 36 F370 LOUIZ 0042. (TO)
AMERICAN 973 0243 USB BE-FM SELCAL CHECK. (MM4)
5598 REACH 11: 2135 USB selcal cal EG-AB. @ 20W call Santa Maria 3016 (CH)
Ascot 2888 0009 USB w/flight info to Gander. (JS3)
5604 RAINBOW RADIO 2245 USB clg unid a/c w/no reply. Rainbow sounded horrible as if he was talking into a sock (TB)

SX-CBC: 0819 USB wkg Athens R., selcal EG-CM. OA-4151: 0819 USB SX-OAC, wkg Athens R., selcal check DH-HJ. Skiathos 1335 USB wkg "Athens". Limnos 1601 USB wkg "Athens". OA-417: 1403 USB SX-OAC, selcal DG-HJ. Ioannina 0843 USB wkg "Kerkyra". Message abt a/c SB-PBY, a Catalina PBY flying boat. The plane was heard on Aug 23, 0802Z on 130.925 MHz (AM) wkg Athens FIC. The plane is HF capablr, but never heard on HF. MSR-799 1125 USB clg "Athens R.". Then QSY to 122.8 MHz (AM) req wx for LFPO. Apolloh375 1442 USB wkg "Athens R.".

OAh423: 1102 USB wkg Athens R. selcal CH-DJ. (CK)

Gander Radio: NF, CAN (NAT-C MWARA) 0328 USB wkg Alitalia 639 w/ selcal ck JS-CD (767 G-OITA); 0329 TWA 904 w/same EF-AL (747 N93109); 0330 SwissAir 101 w/same DE-GL (747 HB-IGE); 0331 w/Speedbird 224 posn 49N/40W 0331 310, est 50N/30W 0415, 50N/2 W next, adv to call Athens R. 0332 USB wkg Shamrock 106 w/posn 50N/50W, selcal ck CK-EH; 0336 w/Speedbird 292 selcal ck EF-DL (747 G-BDX1); 0341 w/MartinAir 644, req 350; 0346 w/Speedbird 106 selcal BR-AD (747 G-BDX1); 0349 w/New Zealand 2 0346 330 60N/50W next 60N/40W, selcal ck CP-GL (747 ZK-SUI); 0357 w/VirginAir 016 0356 370 48N/40W, est 49N/30W 0439, 49N/20W next, at 0401 Lufthansa 441 w/selcal ck AL-EG (747 D-ABVE); at 0423 wkg LOT 002, 58N/40W 0418 330, est 58N/30W 0459, 58N/20W next, selcal ck LQ-GK (767 SP-LPA). Shanwick, IRE: (NAT-C MWARA) 0340 USB wkg Lufthansa 812 w/posn 50N/20W 0339 340, est 50N/20W at ?, selcal ck F3-CD (A-310 D-AZDL); 0356 w/USAir 894 w/posnrep, selcal ck BG-AF; 0403 w/Speedbird 214, posn 50N/20W 0401 390. (RB) Singapore 25 0434 USB FM-BE w/Gander/Selcal check and est. 48N40W. Air Ukraine 110 0543 USB wkg Shanwick/ARP 54N30W F350 IL62M enr JFK-Lvov. Gulf Air 034 0600 USB EJ-HR wkg Shanwick/ARP 47N30W F370. COTAM 1082 0045 USB wkg Shanwick/ARP 57N30W F370. Liberte 991 0108 USB FL-KQ wkg Shanwick/ARP 59N60W F330. (TO)

LAZ-597: 0312 USB wkg Niamey (IB)

Khartoum 1844 USB clg Cairo. Cairo was very weak. Nairobi 1850 USB adv Air France to QSX to 120.5 MHz. (AO) Cairo: 1900 USB wk "MKA-119" and "Khartoum". (CK) Mogadishu 1852 USB wkg Addis Ababa. Malaysian 402 1854 USB w/flight info to Bombay. Sanaa,YEM 1908 USB wkg Bombay & Khartoum. Air France 255 1955 USB w/flight info to Addis. Cathay 01 2002 USB w/flight info to Bombay. LH 572 2248 USB w/flight info to Tripoli. AF 493 2249 USB w/flight info to Khartoum. (JS3) Reach 502 2352 USB Cairo/Ktm/ARP SML0050 F350 HKNA to EGLL.A310 (RD3)

Speedbird 62 1847 USB w/flight info to Mogadishu. (JS3)

Irakst 1115 USB w/Volmet bx in RR. (AW)

Speedbird 2347 USB New York/Req. selcal check KRJ3 EICMQ B767 (RD3) N603AL 0312 USB selcal ck FG-AM. (MM4)


Brisbane 0715 USB wkg VH-TWW a Mooney M20e Craft. RDRA freq. (AW)

VH-XFN Flight West Airlines, Twin Otter 2235 USB in comm's w/ Brisbane. VH-CFL Cape Flattery Silica Mine's Cessna Caravan 2240 USB to Brisbane radio. (SB)

Pagina 783
Port Moresby 1010 USB w/kg "Alfa November Foxtrot". (AW) P2-MBM 0739 USB w/Pt.Moresby w/pos'n "200m S. of Moresby". P2-PRA 0759 USB w/Madang / "departing Hagen, 970 for 280". P2-ANN 0800 USB w/Moresby /"call me now 120.9" De Havilland DHC-7 (Dash 7). P2-ANU 0803 USB w/Madang / re-terminating restrictions/De Havilland DHC-6 Twin-Otter. P2-MFB 0809 USB w/Madang/ re-terminating restrictions/De Havilland DHC-6 Twin-Otter. P2-MPM 0810 USB w/Madang w/pos'n "200mi S. of Moresby". P2-ANF 0813 USB w/Moresby /"request traffic?" Fokker Fh28.
WUN-VO2


8867

NANDI 0642 USB wkg UNITED NATIONS 041. HAWAIIAN 481 0649 USB clg Tahiti. NANDI 0652 USB wkg UNITED 816 told to check on 5643. HAWAIIAN 481 0653 USB still clg Tahiti for the third time. (GG) AirVan-31 0617 USB Air Vanuatu wkg Brisbane. (IB) Honolulu: (SP/6-MWARA) 0514 USB wkg Quantas 3 w/selcal ck, req 330 from 370. NANDI, Fiji: (SP/6/MWARA) 0517 USB wkg United 862 w/0515 posrep, FL 330. Brisbane: AUS (SP/6-MWARA) 0525 USB clg VH-UA (Swearingen SA-227 Merlin) no joy, at 0543 then works them for posn report; at 0530, wkg "VF3", poss VH-HFJ, a Falcon 20 out of Cairns; at 0542 wkg New Paradise 70. (IB) ??-VUG 0437 USB wkg Auckland/Tfc report re: VH-HJII is your only tfc on descent into Norfolk Island. Who is -VUG and who is VH-HJII??
Pacific 811 0437 USB wkg Honolulu/ARP WAZEE? 36 F310. (TO)

8879

GAF-056 1359 USB German AF, wkg Gander. (IB)

8894

Speedbird 074 0031 USB BD-EH wkg Algiers/ARP AMTES 28 F370 NSL 49. (TO)

8903


8906

EGY-116: Egyptian Air Force 2034 USB wkg N.York (IB)

8915

Tokyo Radio 0705 USB w/Canadian 6, others (GG)

8930


8931

unid a/c 0706 USB mentioning "Miami Florida", told to move to 5541 (GGG)

8933

Cedar Rapids: LDOC, IA (NA-CC-LDOC) 0405 USB wkg United 985 w/selcal ck AF-DG (747 N4718U), enrt Buenos Aires. (RB)

8957

Shannon Volmet 0037 USB fairly good w/aviation wx. (IRC)

8960

Portishead LDOC 0023 USB wkg flt has 17 will off loads tomorrow night at Cairo. (IRC)

9030

Unid: British male 2130 USB w/in-flight reports...said would call back at 0000 (TB)

9037

AIR (BRITTANIA?) 668 2256 USB working Air (Britannia?) operations...same British LDOC that I've heard here for many days. Calls sounded more like Air Bolivias but doubt that. Can any of our over-the-horizon friends give a listen here? (TB)

10069

American 51 0926 USB to Berne for Selcal check (AH-MQ). (AO)


10575

KLM 184 1017 USB wkg Stockholm LDOC, requesting a pp. (AO)

10790

Oasis EC-3961 0750 USB wkg Stockholm Radio, pp to Palma/Mallorca ops.

Pagina 785
Evergreen 485 0807 USB wkg Stockholm Radio, pp to flt. control, got release to JFK. (MB3)

10805

10895
TXC 1436 1715 USB wkg Stockholm Radio, pp to company (in russian), TxC=Trans Avia Export Cargo Airlines. (MB3)

11273
LZhBTT 1018 USB wkg Bourgaz Radio, mentioned 'Leipzig'. (destination?). (MB3)

11300
Envoy (?) 521 1245 USB clg Khartoum 5 times, no reply. (AO) PGT 692 0856 USB wkg Portishead Radio, enrt FUE-DUS, selcal for pp to ops. (very strange language, couldn't make out which, Turkish I bet). They operate a few 737's. Tourjet 632 0959 Portishead (G-YBJM) A320 Airtours) over Brindisi, pp Airtours ops: aircraft BM, dep .... 0925/30, eta Rimini 1105/10, req. flight plan Rimini -Cardiff and Rimini notams. (BH) G-??NM 1622 USB wkg Portishead Radio, pp to ops. requesting crew bus to Manchester. Midland G-..MN 1309 USB wkg Portishead Radio, pp to BMA ops, passing arr. time. G-..MM 1321 USB wkg Portishead Radio, enrt Faro-Exeter, eta 14:55. (MB3)

11309
AIR FRANCE 526 1430 USB ATC requests what time abie FL 350. KLM 741 1430 USB 31N 50W FL 350. LTO 446 1435 USB ARP. AIR FRANCE 540 1442 USB ARP. FRENCHLINE 313 1444 USB. LTO 432 1449 USB ARP. KLM 777 1451 USB ARP. CONDOR 192 1454 USB ARP. CROSSAIR 600 1456 USB ARP. BRITANNIA 191A 1551 USB JP-AC selcal ck. WEST INDIAN 901 1554 USB FG-BC ARP. (MM4)

11330

11396
Qantas 391 0725 USB clg Bali, established contact in two minutes. (AW)

13205
A6-PFD: 1234 USB UAE Amiri Flight Clg Berne R. (IB)

13282
HONOLULU VOLMET 2157 USB airfield wx reports. (DW2) TOKYO VOLMET 2210 USB w/airfield wx reports. (DW2)

13285
Beijing Volmet 0615 USB wx in EE by YL. (AW) BA Ops 1218 USB wkg Speedbird 2634 enrt from London to Tel Aviv. (AO)

13422
Unid cargo flt 0741 USB wkg Stockholm Radio, load msg. for company, selcall LR-EG. (MB3) VRG710 0926 USB Stockholm/Req. p/p to Varig Ops, Madrid/LEMD wx. (RD3)

13576
Condor D-..NH 1042 USB wkg Stockholm Radio, pp to company, overflying restrictions for W sector Portugal. (MB3)

13942

17904
Honololud LDOC 1146 USB using a pp for Ariana 702. (AO) American 222 2140 USB is Fair, Readable & Clear w/Lima who is weak, Readable w/static. Lima continued w/other a/c but the window slowly closed at 2205. I have heard Lima at roughly this time in the
past. The conditions don't last very long at this frequency and time. (GG)

=DIGITAL MODES=

Please note that ARQ is used for Sitor-A, FEC is used for Sitor-B, and both of these modes are 100/170 unless noted otherwise. RTTY is used for Baudot. This is not as a statement of correctness, but rather a space saving measure.

63.8 Unid: 2105 UNID 200bd/100 UNID FSK System, sync, cont, ACF. (MC)
65.8 Unid: 2102 UNID 200bd/100 UNID FSK System, sync, cont, ACF. (MC)
78.2 British Mil 1648 RTTY 100bd/70 crypto after 16 x ry and "vmctnjbh" (MC)
129.1 BMPT, Bpnn 2121 UNID 200bd/300 UNID 7 bit System, occasional bursts (MC)
129.5 SOA212: Warsaw Radio, Poland 2113 RTTY 50bd/130 AAXX WX (MC)
452 UNID: Meteo sta 2200 RTTY 100/425 w/synoptic wx compiled in St Denis, Harare, Jakarta & Melbourne (ML2)
476.8 Unid: 2124 UNID 100bd/75 UNID FSK System, sync, cont, ACF. (MC)
1806.5 Unid: 2117 QPSK 250bps DGPS info (MC)
1851 Unid: 2119 UNID 300bd/200 UNID FSK System, sync, cont, ACF, DGPS info (MC)
2423.5 SAB: Goteborg Radio 1845 ARQ clg mxso mqif. (PB)
2608.4 FUO: Toulon Naval, F 1900 RTTY 75/850 RY's & SG's, chg fm 2607. (JD2)
2685.2 Unid: 2127 UNID 300bd/200 UNID FSK System, sync, cont, ACF0, DGPS info (MC)
2716 SAB: Goteborg Radio 1928 ARQ clg feec tcvf msuq ofhs ifqo. (PB)
2766 Unid 2034 ARQ-E 72/85 idling LKA or MO Bonn? normally on 2768.5 (PB)
2773.5 Unid 2044 ARQ?? 100/484 idling. (PB)
2780.8 GND4: Stonehaven Radio 2050 ARQ w/CW-marker. (PB)
2806 IGJ: Italian Navy Augusta 1957 RTTY 100/850 test tape IGJ41/42/43. (PB)
2840.7 MS-Mellum w/CG Cuxhaven 2101 ARQ pos. rep. (PB)
3215 UGC: St. Petersburg Radio 2117 ARQ w/CW-marker. (PB)
3270 NNN0?BE: Navy MARS HF Mailbox 0130 ARQ being worked for msg tcf by unid unit. (RB)
3436 MTI: Royal Navy Plymouth 2210 RTTY 75/340 CARB availability msg (PB)
3543 GKE1: 1920 ARQ w/CW marker. (CK) (Portishhead Radio, UK -LOGS)
3667.2 UNID: 2050 ARQ-E 46.1/170 KAA to ?? (pcG)
392.5 German Intel 0654 ARQ-E 85.7bd/170 crypto R W F N (MC)
4177 UWAK: M/V VALERIA BARSNOVA 0308 ARQ w/tlx, ETA Houston, delayed due to wx. (WT)
4178.5 VTNT: M/V APJ SHALIN 0128 ARQ w/tlx, login 23721 VTNT. (WT)
4179.5 C6LF7: Mv Royal Reefer (ship 63164) 1907 ARQ ww Pch 26 eta St. Petersburg 160200. (BVR)
4211 ZLA: Awarua NZ 0730 ARQ Globe wireless stn Sitor mkr (AB3)
4211.5 KFS: San Francisco 0730 ARQ Sitor Mkr (AB3)
4213.5 NOJ: USCG Comsta Kodiak 0750 ARQ Sitor Mkr (AB3)
4214.5 CBV: Valparaiso Chile 0745 (AB3)
4215 WLO: Mobile Ala 0740 ARQ Sitor Mkr (AB3)
4218 LPD: Gen Pacheco Radio 0745 ARQ Sitor Mkr (AB3)
4219 UDB2: Kholmsk R RUS 1205 FEC w/tfc list (ML2)
423 FUF: French Navy, Fort de France, Martinique 0642 RTTY 75/850 in 75/850 RY's, SG's, 1-0 count x 2 on ea line, 1D. (RB)
4245.9 MTI: Royal Navy, Plymouth 2004 VFT: 100bd/170 Baudot, crypto w/16xRY & "vmgctnjbh" lead-in (MC)
4246.4 MTI: Royal Navy, Plymouth 2000 VFT: 75bd/70 NATO CRATT (MC)
4247.1 MTI: Royal Navy, Plymouth 1958 VFT: 75bd/400 Baudot, CARB (MC)
4251 PPJ: Juncao Brazil 0800 ARQ Sitor Mkr (AB3)
4263.5 ZLO: Waiouru NZ 0805 RTTY/CW RNZN encrypted RTTY and CW mkr (AB3)
4268.5 SAB23: GOETEBORG RADIO 1923 ARQ Maritex "erererer" string. Selcal CPTV. (DW)
4270.5 FUJ: FN, Noumea, New Caledonia 1725 RTTY 75/425 de fuj testing. (MS4)
4271 FUJ: FF Noumea 0805 RTTY 75/850 RY tst tape (AB3)
4300 KEJ: Honolulu 0820 FEC Globe Wireless traffic list (AB3)
4513.5 NNN0MRS: Navy MARS Gateway 2012 PACTOR sending MARSAGRAM's from various USMC units. (RB)

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4765.7 RFFP: MoD Paris 2210 ARQ-M2 200/400 ch b/daily NOTAM summary to
RFFV CCT FXD (ML2)

5060 ZRH: SAN Cape Town AFS 2120 RTTY 75/170 clg CXR; 2140 QSL to LOL
(ML2)

5061 GYA: Royal Navy, London 0236 RTTY 75/740. Foxes & "Kilo". (PS)

5096.7 CFH: Halifax Military, NS, 0625 RTTY CAN 75/850 NAWS marker, w/QSX
freqs 2822, 3394, 6148, 8315, 12380, 16576, 22185. (RB)

5100 AXM: Met. Melbourne-Darwin 1450 FAX 120/576 rsmc-warning of tropical
disturbance. (MS4)

5116 AA2?: unid 1845 CW & RTTY (unk mode w/ACF=23). (JD2)

5128.8 Russian Mil 2152 81-81 81bd/1000 tfc (JC)

5141.5 N/A: Reunion Island 0430 RTTY 75/425 nx in FF, probably police. (MS4)

5146.2 Russian Mil 2133 MS5 12 tone vocoder (3300Hz pilot) (MC)

5164.5 FIT----: FF Pref stns, F 1200 ARQ var. s/c TOIL/BOCH. (PCG)

5180 BAA9: Beijing, CHN 1258 RTTY 50/850 meteo. (AB2)

5207 AAA3NAA: Army MARS, unid loc 0155 PACKET w/beacon. AAT3TFC: U.S. Army
MARS, Ft Richie, Md 1922 PACKET wkg AAT3TVA, Army MARS Virginia
Region 3. (RB)

5220.7 Unid: 0529 Unid 110/175 w/unid mode, sounds same as 7542.7. (RB)

5221.5 TYE: Cotonou AERO, BEN 1929 ARQ-M2 96/400 2ch UNA to Niamey (PCG)

5231 MFA Belgrade 0805 RTTY 75/400 msg headers readable, content encoded.
(CK)

5315 BJ2Z7: Wuhan, CHN 1302 RTTY 75/450 meteo. (AB2)

5361.7 RFFXI: FR Forces Banqui, CAF 0228 ARQ-E 96/400 (presumed) idling.(RB)

5420 RF----: UNID FF forces F 1030 ARQ-E 72/400 cont. idle (PCG)

5731 YOG: Bucharest Meteo 0607 RTTY 50/400 meteo. (CK)

5798.5 NNN0MDM: Navy MARS HF Mailbox 2135 PACTOR 200/170 w/traffic being
passed from NNN0GEK from NNN0CEI, USS Camden (AOE-4). (RB)

5845.7 '193C': UNID MIL, Location Europe 1010 F1B-121/330 QRK QRK to OM2V &
online encrypted tfc, messages ending with %%%%%%%%/, same mode used was
unusual 12-bit frame RTTY system based on ITAH2, bit interleaved. Same
mode has been heard last year on 4519 kHz with 161 Bd/330 Hz
shift. (ANEE) (Ary sez it's Italian Navy -LOGS)

5872.5 RE????: Guardia Civil 0735 ARQ 100bd/400 Calling selcal "TZSL"
(Algeciras) (MC)

6264 3EYB6: M/V KUDO 0412 ARQ ETA Tokyo, 3708N 12947W. login 42577 3EYB6.
(WT)

6265.5 WMMK: SS Coastal Eagle Point 0740 ARQ w/AMVER, bound Houston to Port
Everglades, FL. (RB)

6272.5 JM0QN: M/V AKASHI BRIDGE 0337 ARQ w/AMVER/FR, at Long Beach. (WT)

6283.5 KNCK: SS CHELSEA 0450 ARQ wkg VCT w/tlx re departed Tampa. login
10725 KNCK. (WT)

6286.5 UHQC: TKH LADOGA 108 1944 CW admin from Km Gorelov to UCW4. UANO: TKH
BALTIYSKIY 107 1950 CW svc msg from R/Off Kazakov to UCW4. Vsl is ex
UKJO. (HOOD)

6287 UJED: ALTAY 2127 CW factory trawler (Murmansk Trawling Fleet) clg
UDK2 - no joy. (HOOD)

6305.5 USJZ: PB Sergey Vasilisin 2328 RTTY 50/170 Ukrainian 'floating base'
or Plavuchaya Baza (PB), w/RVYR/DE to UIW, then admin traffic to same
from master, Kapitan Director (KMD) Krasnik. (RB)

6320.5 FFT: ST LYS RADIO 2000 FEC tfc list & gale warning (in FF). (HOOD)

6327 USU: Mariupol R. 1030 ARQ w/CW marker. (CK)

6327.5 WOM: AT&T Miami, Fl 1245 FEC wx-trop update on depressions. (RT2)

6341.5 YLQP: RIGA RADIO 1945 RTTY 50/170 urgent msg to YLAP: MV PAVELS
STERNBERGS abt psn & fcast movement of tropical storm "CAESAR" at
12.5N 72.0W. (HOOD)

6355 UTW/SUU: Mariupol Radio 1825 RTTY 50/170 followed by cw tcf list.
(MS4)

6380 UCW4: ST PETERSBURG RADIO 1803 CW tcf to UAQA; TKH LADOGA 1 (ex EMXM)
& USBE: TKH SORMOVSKIY 3003 -both sea-river cargo vsls of North West
Shipping Co. (HOOD)

6383 UBF5: ST PETERSBURG RADIO 0705 CW nav wngs (PRIPS) in Russian, for
Baltic Sea. (HOOD)

6395 RTQGDBCY: Turkish Navy Izmir 0543 RTTY 75/850 test msg for T12A. (CK)

6462 FUM: FN Papeete, Tahiti 1240 RTTY 75/850 1 stopbit w/r'y's de fum vvv.
(RT2)

6898.7 RFFXIC: BF Bouar CAF 2310 ARQ-E 96/400 w/svce msg to RFFXI no cct id
used. (ML2)
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6901.7 RFTJ: French Forces, Dakar, SEN 0405 ARQ-E3 192/425 idling. (RB)
6918.5 UNID: 1130 ARQ-E 192/170 cont. idle (pcG)
6924 OVA51: Praha (?) 0955 RTTY 500 RYRRYY OMV 51, OMV51 could also be callsign of other party. (ANEE)
6929 UNID: 1130 ARQhE 192/170 cont. idle (pcG)
6936.7 RFLI: French Forces, Fort de France 0624 ARQ-E3 192/400 w/controle de voie on c.i. LIT. (RB)
6976 UNID: 1130 ARQhE 192/425 w/idling. (RB)
6984 SNN299: Warsaw DIPLO, POL 1500 POLh ARQ 100/200 idle. (pcG)
6985 BSBB29: Lanzhou, CHN 1317 RTTY 75/425 meteo. (AB2)
7024 BSB29: Lanzhou, CHN 1317 RTTY 75/425 meteo. (AB2)
7076 Tokyo Meteo 1450 FAX 120/576 w/chart (msl analysis). (TD2)
7084 SNN299: Warsaw DIPLO, POL 1500 POLhARQ 100/200 idle. (pcG)
7095 AOK: USN Rota, Spain UTC? FAX 120/576 weak. 2528.5, 4623, & 5864 seem to be QRT. (LC)
7106.7 RFTJ: French Forces, Fort de France 0705 ARQ-E3 192/425 idle (EW) RFLI: French Forces, Fort de France, Martinique 0423 ARQ-E3 192/425 w/controle de voie, circuit id garbled. (RB)
7147 RFTJ: French Forces, Fort de France, Martinique 0423 ARQ-E3 192/425 w/controle de voie, but missed circuit & callsign. (RB)
7157 Unid: 0329 Unid 110/175 unid mode. (RB)
7159 Unid: 0339 Unid 110/175 unid mode. (RB)
7158 USN Diego Garcia 1445 FAX 120/576 w/chart (surface product not available). (TD2)
7159 AOK: USN Rota, Spain UTC? FAX 120/576 weak. 2528.5, 4623, & 5864 seem to be QRT. (LC)
7160 Unid: 0740 ARQ-E3 192/425 controle de voie. (BvR)
7161.7 RFLI: French Forces, Fort de France, Martinique 0423 ARQ-E3 192/425 w/controle de Voie, circuit id garbled. (RB)
7165 YZI223: Tanjug, Belgrade 2211 RTTY 50/425 w/EE nx. (RB)
7166.5 FDY: Orleans, France 0100 RTTY 50/425 "Test de FDY h and Voyez le brick .....". The interesting thing is that they are // on 7671.5 & you can switch between the two frequencies without missing a beat or a baud! (ES)
7177.9 Unid 1141 RTTY 50/850 idled for a long time no traffic sent. still going 1204 (EW)
7178.3 UNID: 1147 unid 200/425 unknown system (EW)
7177 AFTN (Aeronautical Fixed Telecommunications Network) Thrane & Thrane said to be the link between Shanwick Oceanic Control in the UK and Reykjavik, Iceland, operating as a back-up for the SATCOM-link. (RB3)
7175.4 UNID: 0220 ARQ-M2 200/400 idling both channels. (RB)
7175.5 RFFA: MOD Paris 1207 ARQ-E3 100/425 idle (EW) RFIH: FF 1436 ARQ-E3 100 idle. (TK)
7176.7 RFTJ: FF Dakar, SEN 0740 ARQ-E3 192/425 controle de voie. (BvR)
7177 RFF: Arq-E3 192/425 controle de voie. (BvR)
7177.5 RFFA: MOD Paris 1207 ARQ-E3 100/425 idle (EW) RFIH: FF 1436 ARQ-E3 100 idle. (TK)
7178 RFFA: MOD Paris 1207 ARQ-E3 100/425 idle (EW) RFIH: FF 1436 ARQ-E3 100 idle. (TK)
7179 RFLI: French Forces, Fort de France 0705 ARQ-E3 192/425 controle de voie. (BvR)
7180 RFTJ: FF Dakar, SEN 0740 ARQ-E3 192/425 controle de voie. (BvR)
7180 RFQP: French Forces, Djibouti 2356 ARQ-M2 200/342 w/Controle de Voie on Ch.B. (RB) RFQP: FF Jibuti 0040 ARQ-M2 200/354 controle de voie. (RT2)
7181 Unid 1144 200/425 unknown system (EW)
7182 Unid 0130 ARQ-M2 96/280 It's been idling for quite a while. (ES)
7183.5 Unid 0230 RTTY 75/170 wx, knhc forecast for tropical storm Dolly. (AP)
7184 NRR: Roosevelt Roads, Puerto Rico 1143 RTTY 75/850 wx reports (EW) (it should be noted this sta has not been confirmed as NRR, in fact it might be NAS Jacksonville, Fl, & has a diff loc than 7870, sev WUN'ers are working on this -LOGS)
7188 POL-MIL Warszawa, POL 1642 RTTY 50/500, 5FGs to unlocated station. (ANEE)
7189 NRR: Roosevelt Roads, Puerto Rico 1133 fax 120/576 wx maps (EW) (possible location, not confirmed -LOGS)
7190.7 RFLI: Fort de France Martinique 1131 ARQ-E3 96/425 idle (EW)
7196 Ganfuda Oil Team, Libya 1849 ARQ MSGs from camp to Tripoli base (MC) Ganfuda Oil Team, Tripoli 2035 ARQ Project costs MSG ends "===ends=== rgds stuart (MC)
7191 British Mil 1951 Piccolo-12, crypto (MC)
7191 Unid 1127 unknown system sounds like hc-arq and packet but isn't either. (EW)

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7925 RPFN: Portuguese Navy, Munsanto?/Lisbon?, POR 0130 RTTY 75/850 w/RY's, SG's, Foxes, & 1-0 count to PWX (PWX DE RPFN). (RB)

7934 SPP: Polish Embassy, Vienna 0747 POL-ARQ 100bd/250 Claris MSGs to MFA marked "m:owieden" (MC)

7939.7 Unid 1115 unid 200/425 unknown system (EW)

7946 RFVI: FF LE PORT 2125 ARQ-E 96/400 4RC. Betas. Weak sync (DW)

7953 Unid 1107 ARQ idled for some time and then off. no traffic. (EW)

7960 MKD: RAF AKROTIRI 2229 VFT normally 8 channel DCN VFT on USB of which 7 channels active but idle (DW)

7968 Unid 1104 unk 81 unknown system (EW) (most likely Russian Military in 81-81 -LOGS)

7971.7 FF? LOC 2136 ARQ-E 96/400 8RC. Betas. Copy to disc till 0516z - no tfc (DW). 2234 ARQ-E/96/E/400 8RC. Betas (DW) Unid 0203 ARQ-E 96/400 Idling, a new French military frequency?? Still idling at 0257. (ES)

7973 Unid 1102 unk 81 unknown system (EW) (most likely Russian Military in 81-81 -LOGS)

7975 SPW: Warsaw R, POL 1818 FEC Pol nx. (PCG)

7980 NSY: USAF Sigonella, Sicily 0745 ISB VFT on USB; wgk AJO. (JD2)

7983.7 RFTJ: FF DAKAR 2247 ARQ-E3 48/400 8RC. Tfc in SLG's to RFFTD (DW) RFTJ: French Forces, Dakar, SEN 0220 ARQ-E3 48/425 idling, at 0258 w/Controle de Voie on circuit TJF. (RB)

7987 Unid 1058 unk 75 unknown system (EW)

8001.7 RFHJ: Papeete radio 1057 ARQ-E 96/425 idle (EW)


8092.2 Russian Mil 2055 MS5 12 tone vocoder (3300HZ pilot) (MC)

8092 AJO: USAF Incirlik, TUR 1615 ISB VFT on USB; wgk NSY on 8127.5. (JD2)

8105 SWA28: Greek meteor 0845 FAX/w/FAX tests. This is coming from the same QTH as 5637 USB (SWA), and not from coastal strn. Athens R./SVA. The station is included in the "old stations list" of Klingenfuss CDhROM as an RTTY station of the AFTN with c/s SWAh28. (CK) ATHENS RADIO 0846 FAX//120/576/N/800 Test chart w/text re test until "end of August 96", //8530 (DW) RFFX: MOD Paris, F 0458 ARQ-E 72/425 w/Controle de voie. (RB)

8108.2 RFQP: FF Jibuti 0157 ARQ-M2 200/387 idle. (RT2)

8124.7 SVA: Athens radio 0808 FEC 100/425 seems to be traffic list ends with de sva sva off at 0812. (EW)

8127.5 NSY: USAF Sigonella, Sicily 1615 ISB VFT on USB; wgk AJO on 8092. (JD2)

8151 IGJ44: Augusta Italy 0800 RTTY 100/850 Italian Navy test msg (AB3) IGJ44: Italian Navy, Augusta, I 1157 RTTY 100/850 "igj44/igj42/igj43" (pcq) IGJ44: Italian Navy, Augusta 0536 RTTY 100/850 test tape. (RB) NNNO/MWD: Navy MARS HF Mailbox 2219 PACTOR 200/170 w/traffic being passed. At 0154 w/tfc from NNNOCTJ, USS Tarawa (LHA-1); at 0207 w/tfc from NNONMSD, MCRD San Diego. (RB)

8151.5 Unid 0542 PACTOR 200/340 very weak under IGJ44 on 8151, Code 3 wouldn't sync up, prob USN MAR's. (RB)

8176 FZR: St. Denis Met. Reunion Island 0730 FAX 120/576 Schedule (program de diffusion). (MS4)

8182.8 Unid 1223 RTTY 75/850 ry no id. at 1227 says anul zizi bk gaa nnnn then off. (EW)

8192 9MR: Malaysian navy 1220 RTTY 50/850 rmmj mrb mrb ry sg. (EW)

8227.8 Chinese Diplo 2057 444, idle (MC)

8248.4 UNID, 0051 ARQ msg re maintenance to be performed. Msg signed: Athina M.-. (DW2) (Eastern Med Shipping Net -LOGS)

8314 Unid 1155 100/170 seems like vft group.same signal as 12385.441. (EW)

8330.2 RFVI: Le Port Reunion 0007 ARQ-E 100/425 idle. (EW)

8341.7 RFHJ: FF Noumea New Caledonia 0014 ARQ-E3 100/425 idle. (EW)

8359 UROS: TKH DNEPR 0645 RTTY 50/170 (after CW) admin to USO5. (HOOD)

8377 URMA: Skvortsov-Stepanov 0152 ARQ req wx info from Portishead Radio.
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(AB2) 9HG3: M/V KONAVLE 0035 ARQ w/tlx, S/C 13647. (WT)
8377.5

WTST: Lihue 1753 ARQ vsl going on a 30-day voyage to Asia. (AB2)
WJLP: SS Solar 0152 ARQ 31,800 DWT US flagged tanker, w/SVC service msg to Globe, selcall 10708. (RB) WBN4113 BULWARK 0235 ARQ wkg KFS w/QRG RPT. LOGIN 72345 WBN4113. 3FOU3: LONG BEACH?? 0110 ARQ w/BBXX.

KNLO: SS MANUKAI 0226 ARQ HONOLULU TO SEATTLE. LOGIN 10914 KNLO. (WT)

8378.5

LACU2: VIVA 1433 ARQ msg to Narvik via Rogaland Radio. login 34282 LACU2. (HOOD)
8379

VJLS: Devprayag 1233 ARQ w/ETA Vizag. (AB2)
SXRY: M/V ANGELIC FAITH 2355 ARQ RX ONLY, LOGIN 16728 SXRY. (WT)

8379.5 JLPY: Taisei Maru 1136 ARQ Jasrep msg. (AB2)
8380.5 YEVX: Dobon Solo 1249 ARQ unid lang. C6CH3: Smit Lloyd III 1305 ARQ tcf. OVYC2: Svenborg Gate 1308 ARQ tcf. (AB2)

8381

ELRU3: M/V Seaboard Universe 0357 ARQ 9,200 DWT Liberian flag Ro/Ro cargo ship, w/AMVER/SP, vsl bound Miami to Puerto Cortes, login 24854 ELRU3. (RB) SZMW: M/V PARASKEVI M. Y. 0215 ARQ TLX ETA LONG BEACH. 16715 PMY SIZMW. (WT)

8381.5 LZZD: M/V TETEVAN 1234 ARQ selcalling VFXV for Varna Radio and login as 05957 LZZD. (HOOD) YLAP: MK Pavel Sternbergs 2045 ARQ w/crew TG's (RB)

8382

ESAO: TKH PAKRI 1823 ARQ Selcalling PCYV for Tallinn Radio & receiving tcf in EE from ESA on 8422. (HOOD)

8382.5 ZCBD9: Chiquita Frances 1213 ARQ tcf. (AB2) ELAJ6: M/V Rosina Topic 0639 ARQ 37,244 DWT bulk carrier, w/ETA Balboa, login "ELAJ6 ROSTOP". (RB) UBPE: VALENTIN GUBER 0345 ARQ W/LX ETA LONG BEACH, 55828 UBPE. BROR: M/V BA DA LINQ 0509 ARQ RX ONLY, LOGIN 20165 BROR. WUTB: M/V AKADEMIAK GUBER 0154 ARQ w/TG'S LOGIN 32881 REKIN. UYZX: M/V VIKTOR LYAGIN 0330 ARQ w/TLX TO SUNAR SEATTLE. LOGIN 32881 UYZX. (WT)

8383

SYOC: M/V ANGELIC SPIRIT 0044 ARQ WKG SVT ATHENS. LOGIN 16701 SYOC. (WT)

8383.1 EUJV: Rybak Kamchatky 1130 RTTY 50/170 crew TG's after ry's/DE to UFZ. (AB2)

8385.5 WBN2073: Rig Engineer 1330 ARQ monthly report. (AB2) SQDS: M/V GARNWOLIN 0752 ARQ crew list (all Polish) and ETA for Ashdod from Capt. Kwiece. login 43078 SQDS. (HOOD) KPSB: SS Coronado 1705 ARQ U.S. flagged 40,995 tanker (Keystone) w/QRG tlx via Globe. (RB) WBN2073: M/V RIG ENGINEER 0310 ARQ GLOBEFAX TO CROWLEY DISPATCH. LOGIN 12073 WBN2073. KIOH: SS GOLDEN GATE 0334 ARQ WKG WNU W/TEST MSG VIA GLOBEMAIL. LOGIN 90870 KIOH. (WT)

8386

KPCJ: Corncupia 1159 ARQ obs msg. (AB2) UNID: UNID 0245 ARQ w/JASREP GARBLED BUT LOGIN 41947 BROK. (WT) UNID 0416 ARQ c/l g coastal ID number: 2920 (QSKV) Gdynia Radio. (DW2)

8386.5 YCTG: Sonbai 1313 ARQ w/ETA Irago, selcall 22902. (AB2)

8387

SNVY: Langusta 0308 ARQ tfc in PP, selcall 43261. OUUF2: Knud Lauritzen 1612 ARQ tfc in Danish. (AB2) JMQW: M/V AKASHI BRIDGE 0045 ARQ WKG KPH W/AMVER/SP OAKLAND TO TOKYO. SQFA: M/T REKIN 0330 ARQ w/TLX in PP LOGIN 34185 REKIN. UYZX: M/V VIKTOR LYAGIN 0330 ARQ w/TX TO SUNAR SEATTLE. LOGIN 32881 UYZX. (WT)

8388.5

SQGX: M/T OTOL 0522 ARQ FISHING REPORTS FOR LANGUSTA, OTOL, TUNEK & WLOCZNIK. SQGD: F/V WLOCZNIK 0340 ARQ WKG SPA, GYDNIA W/MSG IN PP. 43271 SQGD. (WT)

8388.5

N/A: MV ADELIA 0551 ARQ sending maintenance report on pistons, heads, injectors, turbocharger's & mooring lines. (DW2)

8389

N/A: MV SKAGEN 0653 ARQ eta for Spurn Pilot from Capt. Drake. login 26298 SKAGER. (HOOD)

8390.5

C6LV: M/V NORCAPE 0030 ARQ w/AMVER/PR, ETA BRAYTON, LOGIN 26628 NORCAP. WTEH: NOAAS KAIMMOANA 0346 ARQ w/MOIREP. (WT)

8390

TCXS: Marine Express 0354 ARQ tlx to Fides, Istanbul, selcall 29105. 9HQT2: Seairider 1535 ARQ w/ETA Kawasaki, selcall 63332. (AB2) 3EKA9: MT ARTESIA 0220 ARQ Sailed ALTAMIRA, ETA CATZACOALCOS. 29045 ARTESI. ENZZ: MT GENERAL MERKVILADZE 0254 ARQ w/TX. LOGIN 55310 ENZZ. (WT)

8390.5

C6KY9: Marinor 1258 ARQ re crew member who 'deserted' while vsl was docked in Savannah. (AB2)

8391.5 ESOZ: TKH Kuivastu 0133 USB 7,480 DWT Estonian-Flagged dry cargo ship w/admin tlx to radio Tallinn from master KM Koppel. (RB)

8392.5 ELSS6: TK Temryuk 0243 RTTY 50/170 39,990 DWT Novoship tanker (flying Liberian flag) w/admin msgs from master KM Butakov. 9HQ03: TK Pagina 791
Novomir-3 0305 ARQ 22,580 DWT tanker, w/crew TG's to Novorossiysk radio. P3OF4: TK Ostankino 0327 ARQ 47,100 DWT tanker, w/crew TG's to same. N/A: TK Vysotski 0340 ARQ Novoship tanker, w/admin TG from master, KM Simenov. USQS: TK Burgas 0400 ARQ Ukrainian-flagged 54,589 DWT tanker w/DISP-1 tfc to Novorossiysk Radio from master, KM Zhivago. (RB)

8392.8 P3XS3: MV MEXICANA 2206 ARQ w/end of supply message. (DW2)

8393 BPDM: Ning An 15 1311 ARQ tlx re anchor & bound for Gladstone. BPJC: Zhang Chzi 1318 ARQ tfc via XSG. BPLI: Cangzhou 1422 ARQ tfc via XSG. (AB2) YLAW: TK PABLO NERUDA 1756 ARQ admin to Riga after selcalling CVCX. Login 69626 YLAW. (HOOD)

8394 VRIY: BT Nestor 0400 ARQ 44,900 DWT tanker, w/tlx re at Emmastad, Curaco, loading. (RB)

8396 WGXN: M/V STELLA LYKES 0304 ARQ W/AMVER/PR, ARR NORFOLK. (EX-PRESIDENT GARFIELD?). (WT)

8396.5 UGSZ: TK Komandarm Fedko 0125 RTTY 50/170 Russian 18,495 DWT tanker, w/test msg to Batumi w/"TEST" x 3, & NNNN. (RB)

8399.5 EMKL: MV SKALISTYJ BEREG 0604 RTTY 50/425 w/crew TG's. (DW2)

8399.5 UZNV: RKTS Konstrukor Koliv 2059 RTTY 50/170 Ukrainian fishing trawler/freezer, w/admin TG's from master KM Krech, also sends admin tfc for UWBS, RKTS Nikolay Filchev, from master KM Kazurtiv. LYES: TR Suomiyos Ilanka 2235 RTTY 50/170 RYRY/DE to LYL, Klaipeda Radio, Lithuania, & into posn report (3226N/7334W) from master KPT Artiomov to Transflot Klaipeda, vsl is Lithuanian-flagged 11,781 DWT reefer/fish carrier. UGXQ: SRTM 1500 Let Kieva 2249 RTTY 50/170 Russian medium fishing trawler, freezer, w/RYRY/DE to UIW, & w/crew TG's to same using hull#/ID SRTM 8086. UGNQ: TSM Ocher 2320 RTTY 50/170/RYRY/DE to UIW, sends 1 crew TG using hull#/ID STM 8338 (KLD/MRH), was designated TSM, both TSM & STM translate to a medium freezer trawler type. UEVB: BATM Zaostrive 2325 RTTY 50/170 Russian large autonomous long range/endurance trawler/freezer, w/crew TG's (KLD/VTF). (RB) UB4: UNID 0110 RTTY 50/170 "UIW" (KALININGRAD) "DE UB4" (??). REPEATED SEVERAL TIMES. (WT) (this is UBCH, the 4 was untransliterated, UBCH is unid at this time -LOGS)

8403 OUZG2: unid 1523 ARQ tfc in Danish. (AB2) UQQT: RTMKS Pavel Kutakhov 2106 RTTY 50/170 Ukrainian stern ramped super fishing trawler/super freezer w/admin TG's using hull#/ID MA-1819 (MRM/KRM) to Murmansk Tralflot from master KMD Gusetskalo. (RB) OUZG2: unid 1523 ARQ tfc in Danish. (AB2) UQQT: RTMKS Pavel Kutakhov 2106 RTTY 50/170 Ukrainian stern ramped super fishing trawler/super freezer w/admin TG's using hull#/ID MA-1819 (MRM/KRM) to Murmansk Tralflot from master KMD Gusetskalo. (RB)

8403.5 USGW: TKH ISMAILIYA 1743 RTTY 50/170 admin from Km Pogorelskiy to UIUI. (vsl is ex UNDB). (HOOD)

8404 UWLS: TKH Ruzhany 0212 RTTY 50/170 Ukrainian 5,657 DWT dry cargo vsl, w/tfc to Izmail radio, UKR. N/A: TKH Karina 2230 RTTY 50/170, w/admin TG to DPR Izmail from master KM Krecchevra, no prior info for this vsl. (RB)

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8404.5 ESMS: RTMS MERISKI 1827 RTTY 50/170 crew TGs to Tallinn via UIW using "RTMS 7583 MERISKI". (HOOD) EOSJ: TR Granitny Bereg 0016 RTTY 50/170 Ukrainian 11,746 DWT reefer, w/RYRY/DE to UIW, then admin tfc from master KM Estel. (RB)

8405 UYHH: M/S VOLGA 0721 RTTY 50/170 admin from Km Skopin to USO5. A Danube river cruising passenger ship (for Passau) to Regensburg, Vienna & Budapest with details of 87 tourists on board. (HOOD)

8405.5 UTNI: TR Frits Gekkert 2214 RTTY 50/170 Ukrainian reefer w/crew TG's (KLD/RTF). (RB)

8405.7 UFJI: NIS Akademik Mystislav Keldy 0231 RTTY 50/170 w/RYRY/DE to UIW. (RB)

8406 SQAM: M/V KOPALNIA PIASECZNO 0818 ARQ telex to POLSTEAM w/eta for Swinoujscie. (HOOD)

8407.5 UEPZ: RTMS Nikolay Afanasev 0215 RTTY 50/170 Russian super fishing trawler/super freezer, w/crew TG's to Kaliningrad Radio, ex-LYEW. EOXT: SRTM Goryn 0230 RTTY 50/170 Ukrainian-flagged medium fishing trawler/freezer, w/crew TG's. (RB)

8411 LYBN: ML Kapitonas Kaminskas 2207 RTTY 50/170 w/RYRY/DE to LYK, & into crew TG's. (RB)

8412 LYFF: RTMS LAUKUVA 0703 RTTY 50/170 admin to LYL from Km Poplavskiy. (HOOD)

8413 UQRT: TKH Ilya Ulyanov 2331 ARQ Ukrainian-flagged 13,150 DWT dry cargo vsl (Baltic Shipping Co) w/DISPh1 report to St Petersburg Radio, from master KM Perov. (RB)

8414.5 GMDSS CHANNEL 0728 GMDSS 100/170 Number of packets (DW).

8417 GKE: Portishead Radio 0710 FEC msgs & tfc list. (BvR)

8417 ZLA: Awanui radio 1032 ARQ w/CW station marker (EW)

8421 OXZ: Lyngby Radio 1930 FEC tfc lst. (BvR)

8425 FFT43: St Lys, F 1830 ARQ ww unid. (BvR)

8432.5 UFN: Novorossiysk Radio 1905 ARQ tfc to UDGA. (BvR)

8503.9 NMG: USCG CommSta New Orleans 1510 FAX 120/576 hffax. (RT2)

8510.7 Unid 0148 ARQhE 96/850 Idling, might be Paris but they are normally on 8509.0. (ES)

8520 Odessa R. 1428 RTTY 50/170 msgs to ships. (CK)

8530 SJV4: ATHENS RADIO 0851 FAX 120/576/800 //8105, met charts for E Med (DW).

8538 Dakar, SEN 0140 RTTY 75/850 Voyez le brick, etc. (ES)

8538.4 6WW: FN Dakar, SEN 1940 RTTY 75/832 w/RY/LE BRICK/SIX WHISKY WHISKY ETC. (RH2)

8650 SPB43: Szczecin R, POL 1400 FEC qtc list. (pcG)

8650 Unid: 81bd/250 2051 81-81, tfc R W F N (MC)

8876.1 N Korean MFA, Pyongyang 1957 RTTY 50bd/1000 5LGs (MC)

9044.5 AOK: USN Rota FAX facsimile service. (MR)

9049.2 AOK: USN Rota, Spain UTC? FAX 120/576 v.good. (LC)

9050.2 AOK?: USN Rota, Spain 2330 FAX 120/576 numerous European charts. (J2D) AOK: USN Rota 2050 FAX v.good. (RRR)

9054 French Diplo 2140 ARQ6-90 200bd/500 in IRS mode (MC)


9079.9 RFQP: FF Jibouti, DJJ 1930 ARQ-E 100/369 idling. (RH2)

9090 NPG: USN San Francisco 1130 Fax 120/576 ww map (EW)

9097.9 CNM: MAP News, Rabat 1713 RTTY 50bd/400 NX in FF (MC)

9110 NMF: USCG Boston, Ma USA 2215 FAX 120/576 "National Met Center Marine Forecast Branch" (/12750). (J2D)

9117.7 PCW1: Dutch MFA, Den Haag 1154 CW, "pcw1" marker and SITOR phasing bursts (MC)

9119 UNID burst station 1515 F1B-300.6/190 Hz 10 bit per char, 1200 bit per burst. similar to DGPS broadcasts. (ANE)

9126.7 RFT3D: FF, Libreville, Gab 2134 ARQ-E 192/425 idling. (RB) Egyptian Embassy, Bon 1848 ARQ ATU-80 MSGs to MFA Cairo marked "jg y----lg" (MC)

9130 MGJ: RN FASLANE 2249 RTTY 75/850 CARB Handling ships on channels 06c & 12b. (DW)

9135 MKD: RAF AKROTIRI 2254 VFT on USB. 7 of 8 possible channels all idle. (DW)
9147 GXQ: RN LONDON 2223 VFT on USB. 8 channels (DW).
9147.5 GXQ: RN LONDON 2224 RTTY 50/340 9147.595. Chan 1 in vft. Idle on mark. (DW)
9147.7 GXQ: RN LONDON 2226 75/340 9147.765. Chan 2 in vft. ACF7. On line encrypted. (DW)
9148.2 GXQ: RN LONDON 2228 9148.265. Chan 3 in vft. ACF7. On line encrypted. (DW)
9148.9 GXQ: RN LONDON 2232 ARQhM2 96/340 9148.955. Chan 5 in VFT. Poor sync. At 2239 9149.125. Chan 6 in vft. 96bd 340hz shift & ACF80. unid mode with 8 bit characters. (DW)
9149.6 GXQ: RN LONDON 2234 9149.675. Chan 7 in vft. Idle on mark. (DW)
9149.8 GXQ: RN LONDON 2236 75/340 9149.845. Chan 4 in vft. ACF7. On line encrypted. (DW)
9154 D4B: SAL AIR, CAPE VERDE 0330 RTTY 50/850 w/RY'S & calltape. (DW2)
D4B: Sal Air, Cape Verde Is 0050 RTTY 50/850 RYRY/DE. (RB)
9190.2 Russian Mil 1912 MS5 12 tone vocoder (3300Hz pilot) (MC)
9206.5 UNID station, central Europe (?/D?) 1120 unid F1b-108.86/170 FEC-system w/ large spread, 32/96 bit correlation, 8 bit chars. (ANEE)
9266 OMS: MFA Bratislava 0918 RTTY 100/400 diplo nx. (PB)
Russian Mil 1714 UNID 75bd/200 UNID FSK System (MC)
9278 OLZ88: MFA Prague 0937 RTTY 100/379 diplo nx. (PB)
9284 NATO Mil 2146 Link-11 (MC)
9291 POL-EMB Helsinki, FNL 1140 POLhARQ 100 5hCRC/250, 5FGs to Warszawa. (ANEE)
9312 UNID Station, G-NY?, G FLB-300.12 bd/850, 448 bit correlation. (ANEE)
9319.2 Russian Mil 2126 MS5 12 tone vocoder (3300Hz pilot), tcf (MC)
9331.7 Egyptian MFA, Cairo 2133 ARQ Calling Havana selcal "IPTX" QSX 11023.7KHz (MC)
9348.5 French Diplo 2158 TT2300b 100bd idle (MC)
9360 DF336L1: PIAB Bonn, Germany 1516 FEC-A 96 Nx in German. (TK)
9371 Unid 1124 110/170 encrypted text. (EW)
9380 RFGW: MFA Paris 0950 FEC-A 192/398 rr F9S de RFGW fm:armees paris to:rfgw/milfrance prague & zen/milfrance washington (PB)
9797 YO2J27: ROMPRES Bucharest 1013 RTTY 50/502 nx in FF. (PB)
9940.6 Unid 1320 81bd/850 40/535 unable to decode. (RT2)
9944 KODECO KES platform approx 7N113E INS 0030 RTTY 50/850 w/status rpt to Gresik, INS. (ML2)
10036.7 Egyptian MFA, Cairo 1939 ARQ-80 to various embassies (MC)
10126.4 7RQ20: Algerian MFA, Algiers 1557 Coquelet-8, 276 bd MSGs in FF to Paris, Moscow, warsaw, Bonn, Kiev (MC)
10160.5 YIL70: INA News, Baghdad 1345 RTTY 50bd/400 nx in EE (MC)
10160.9 Unid: 1509 PACTOR 200bd/200 MSG in FF mentioning "Bosnie" (MC)
10162.5 YIL71: INA Baghdad 1037 RTTY 50/393 nx in EE. (PB)
10177.5 'PROVENCE'. French Army, Paris(?) 0526 ARQ-E3 100/405 "Controle De Voie". RFLI: French Army, Forte De France MRT 0255 ARQ-E3 100/405 w/"Controle De Voie". Circuit LFB. (PS)
10181.1 unid 2003 ARQhE 200/303 5Lgs to 'RFFA', weak (PB)
10197.3 MKK: RAF Gibraltar 2135 VFT 50 baud 4 channels. Ry's & Foxes. (PS)
(MKK is RAF London not Gibraltar -LOGS)
10210 Unid: 1916 RS-ARQ 225.2bd/170 1516 FEC-A 96 Nx in German. (MC)
10213 CSM29: Rabat MAP, Mar 1236 RTTY 50/400 EE nx. (PGC)
10222 SOUD Station 1843 RTTY 75bd/500 5Lgs on link ID 40034 (MC)
10223 PKD: Surabaya R INS 0840 ARQ w/maritime tcf to Jakarta (ML2)
10227 NATO Mil 1637 PSK 2400bps (MC)
10232 Russian Navy 2046 36-50 50bd/250 tcf (MC)
10245.2 Russian Mil 1803 MS5 12 tone vocoder (3300Hz pilot) tcf (MC)
10253.7 British Mil 1808 Piccolo-12, idle (on LSB) (MC)
10254 German Diplo 1603 RS-ARQ 240bd 8 tone (MC)
10296.5 French Diplo? 1809 TT2300b 100bd tcf (MC)
10314 SN299: Warszaw POL, 1200 POL-ARQ 100/200 Poland diplo msg. (PGC)
10317 MKD: Akrotiri, Cyprus 2115 PICCOLO-6 didn't say whom he was wkg. (JD2)
10317.5 MKD: Royal Air Force, Akrotiri 1945 VFT: 2ch of Piccolo-6, "de mkd pse to int zbz pal kKilo" (MC)
10317.9 MKD: Royal Air Force, Akrotiri 1946 VFT: 2ch of Piccolo-6, crypto. (MC)
10340.5 Unid: 1923 UNID 109.8bd/170 UNID FSK System, Reversals, lead-in, Pagina 794
crypto, revs (MC)

10350 Unid: 1648 UNID 200bd/1000 UNID FSK System, ACF=0, sync, cont (MC)
10364.3 Unid: 1918 ARQ-E 48/841 good tune! (RH2)
10381.6 Unid: 1724 UNID 250bd/170 UNID ARQ System, ACF=75, PRF=300ms (MC)
10392.5 Unid: 1303 RTTY 50/400 Dutch?? nxmsgs. (pcG)
10401 Unid: 1753 81h81 81bd/500 tfc (MC)
10416.5 Unid: 1918 ARQhE 48/841 good tune! (RH2)
10481 81h81 81bd/200 tfc (MC)
10493 VSG***: Romanian MFA, Bucharest 1159 ROU-FEC 164.5bd/400
(Bitmask=24), Diplomatic circulars (MC)
10470 GYU: Royal Navy, Gibraltar 1539 RTTY 75bd/850 "de gyu test 1234567890 ryryryryryry... int zbt" (MC)
10470.5 FDC: French Air Force, Metz 1909 CW, "vvv vvv vvv de fdc fdc fdc ar" marker (MC)
10501.7 RFLI: French Forces, Fort de France, Martinique 2331 ARQ-E3 192/345 w/Controle de voie on C.I. LIJ. (RB)
10534.2 Russian Mil 2048 MS5 12 tone vocoder (3300Hz pilot) (MC)
10542.2 AOK?: USN Rota, E 1530 FAX 120/576 numerous European charts. (JL2)
10551.3 GFL23: Bracknell Meteo, G 2339 RTTY 75/425 w/RYRY/DE & BBXX ship reports. (RB) GFL23: Bracknell Meteo, G 2005 RTTY 75/425 w/synop codes. (RH2)
10598.2 Russian Mil 1651 MS5 12 voice vocoder (3300Hz pilot), short tfc then idle (MC)
10622 MKD: Akrotiri, Cyprus 1525 PICCOLO-6 2-channels, didn't say whom he was wkg. (JL2)
10650 B3223: Beijing meteo 0003 RTTY 75/425 ry, wx reports. (EW)
10701.8 Chinese Diplo 1655 44 (MC)
10749.5 C37A: Israeli Intel, Jerusalem 1927 ARQ-E 288bd/300 crypto (MC)
10780 RFLI: French Army, Forte De France, MRT 2245 ARQ-E3 192/340 Hurricane Bertha warning message followed by nx from Martinique. (PS)
10794.2 Russian Mil 1728 MS5 12 tone vocoder (3300Hz pilot), short tfc then idle (MC)
10798.3 RFLI: French Forces, Fort de France 1919 ARQ-E3 192/400 w/non-protège traffic re 'mariners vocation candidates' on C.I. IRT. (RB)
10803.7 Africa 1709 ARQ Shipping logistics MSGs in EE (MC)
10815.5 AAAUSA: Fort Sam Houston, Tx 1405 PACKET Central Army MARS gateway, wkg AAAUSA (Western Area gateway, Ft Lewis, WA), AAAUSA (Eastern Area gateway, Ft Meade, MD), w/tfc, poss Shares related. Note 1st "A" in c/s is dropped for packet protocol. (RB)
10861.2 Unid 1150 50/850 encrypted text (EW)
10865 VHC: RAN Belconnen AUS 0115 PICCOLO w/RY and svc msg to GFH (ML2)
10872 VHC: French Air Force 1730 CW, "vvv vvv vvv de fd18 ar" marker (MC)
10889.9 GXQ: British Army, London 1956 VFT: 7ch of 50bd/170 Baudot "test de gxq iryiryiryiryiryiryiry..." (MC)
10931.7 RFVJ: French Forces, Le Port, Reunion Isl 0225 ARQ-E3 100/400 w/Controle de voie on circuit REI. (RB)
10937.3 RFTJ: French Forces, Dakar, SEN 2223 ARQ-E3 48/425 idle, other half of 10917.7 (RB) RFTJ: FF Dakar 1845 ARQ-E3 48/350 8rc. Betas. Tfc at 1855z RFTJK de RFFAAK in French. 1915z Controle de voie svc RFTJ de RFTJ. Cct [TJF]. Suspect this is a spurious transmission of 10917.7 (DW)
10927 Unid UTC? VFT 100/788 lots of qrn unable to decode properly. (RT2)
10913.7 RFTJ: Dakar, SEN 2223 ARQ-E3 48/425 idling, other half of 10917.7 (RB) RFTJ: FF DAKAR 1845 ARQ-E3 48/350 8rc. Betas. Tfc at 1855z RFTJK de RFFAAK in French. 1915z Controle de voie svc RFTJ de RFTJ. Cct [TJF]. Suspect this is a spurious transmission of 10917.7 (DW)
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10927 Unid UTC? VFT 100/788 lots of qrn unable to decode properly. (RT2)

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10963  HBD20: Swiss MFA, Berne 1621 ARQ 5Lgs (MC)
10971  HBD20/8: Swiss MFA, Berne 1621 ARQ 5Lgs (MC)
10973  HBD20: MFA Bern 1215 ARQ 100 5Lgs. (PB)
10991.7 RFFVAY: Sarajevo, BHN 1355 ARQ-M2 200/400 2ch FKWA/FKWB to Paris
(fdxa/fdxb). (pcG)
10998.7 USAF ? LOC "KAWN" 2101 RTTY 75/850 Met tfc sourced KAWN. No carrier
when idle.
11023.7 Egyptian Embassy, Havana 2131 ARQ Answering call on QSX 9331.7kHz
from MFA Cairo (MC)
11030  AXM33: Melbourne Meteo, AUS 2333 FAX 120/576 hffax. (RT2)
11037  H6L***: French Embassy, Algiers 1744 FECh100 192bd/400 5LGs to MFA
Paris (MC)
11043.7 RFTJD: Libreville, GAB 2015 ARQ-M3 192/425 w/controle
de voie on circuit JDJ. (RB) RFTJ: FN Dakar, SEN 1645 ARQ-E3 192/360
w/"cdev" on JOJ CID w/3 repeats. (RH2) RFTJD: FF LIBREVILLE, GABON
2150 ARQ-E3 192 Idle. (TK)
11074.4 Unid: RUS 1650 CROWD36 Russian diplo according WUN logs. (RH2)
11080  YKP28: SANA Damascus, Syria 1604 RTTY 50/400 w/nx summary in ATUh80,
at 1649 in FF, then at 1737 in EE, ea segment was sent twice. (RB)
11090  Unid: 0657 UNID 162bd/500 UNID FSK System, sync, cont, probably 2x
81-81 (MC)
11110.5 RFLI: FF Martinique 2240 ARQ-E3 192/425 idle. (EW)
RFLI: Ft de France, MRT 2042 ARQ-E3 192/400 BFL to Paris. (pcG)
11121  Unid 1143 unk 75/170 unknown system (EW)
11133  BZG: Xinhua Beijing 1108 RTTY 50/452 ry then fax at 1110 very poor
map. (EW) BZG: Xin hua, Beijing, China 1640 RTTY 50/452 nx in FF.
(MS4) Unid, probably BND Germany 1233 ARQ-E 96/170 online encrypted
tfc (PB) BZG41: XNA BEIJING 1705 RTTY 50/416 w/nx in FF. Also 1655.
(RH2)
11135.5 Unid UTC? FAX 120/576 charts of Indian Ocean and the Middle East in
the common USN format. At that time Diego Garcia (NWK) was not
transmitting on its usual freq. (7582, 12806, 20302 ). (MS4)
11136  DFGZ***: Serbian MFA, Belgrade 0746 RTTY 75bd/400 crypto after
"xyxyxyxyxy" (MC)
11143  Russian Mil 1410 81-81 81bd/200 tfc (MC)
11149  Unid: 1450 RS-ARQ 240.1bd 8 tone IRS mode (MC)
11146  unid 1128 RTTY 75/396 encrypted tfc ended w/ok ome tks fb fb 73 (PB)
11155  GYU: RN Gibraltar 1525 PICCOLO-6 2-channels, didn't say whom he was
wkg. (JD2)
11160  Unid 1115 unk 200/425 unknown system (EW)
11164.3 Bulgarian Embassy, Washington D.C. 2034 IRA-ARQ 240/500. (can't decode
IRA-ARQ) fol by op chat in 75/850, w/RY's & "pse ZRY", "pse ZAR 300".
(RB)
11171  Turkish MFA, Ankara 0616 RS-ARQ 240.1bd 8 tone tfc (MC)
11188  NATO Mil 1626 Link-11 (MC)
11203.6 French diplo 2008 TT2300b 100bd idle (MC)
11248  Danish Air Force 1307 RTTY 75/850 wx taf-fc metar for EKKA then into
USB chat in Danish on 11246. (PB)
11277  Unid: 1627 81-81 81bd/500 tfc (MC)
11372.8 UNHCR 2119 PACTOR 200bd/200 Relaying Internet e-mail. (MC)
11406  Russian Diplo 1620 CROWD-36 tfc (MC)
11420  V5G***: Romanian MFA, Bucharest 1915 ROU-FEC 164.5bd/400 (Bitmap=24)
MSG in RR to Washington (MC)
11423.5 SOL242: Warsaw Radio, Poland 1433 FEC NEWS in Polish. (TK)
11437.5 C37A: MOSSAD Tel Aviv, ISR 1751 ARQ-E 288/330 encrypted tfc. to 6XM8
Q5X 13419 kHz. (ANEW)
11453.4 IMB31: ROME METEOR 1710 RTTY 50/835 w/RY, ID. (RH2)
11468  Russian Navy 1412 36-50 50bd/250 tfc (MC)
11470.5 Unid: 1705 Mode? 96/254 unable to decode. (RH2)
11471  SNN299: Warsaw MFA, POL 0809 POL-ARQ 100/250 Pol nx. (pcG)
11513.2 Russian Mil 1122 MS5 12 tone vocoder (3300Hz pilote), Idle (MC)
11522  Unid 1043 850 unknown system (EW)
RFVITT: FF Dzaoudzi MYT 1020 ARQ-E 96/440 w/5LG's to RFVI on cct TTT.
(ML2)
11527.5 UNID station, central Europe (?/D?) 2100 unk FIB-108.86/170
FEC-system w/large spread, 32/96 bit correlation, 8 bit chars. (ANEW)
11538  Unid: 2122 81-81 81bd/250 81-81, tfc (MC)

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11576.7 FJY3: TAAF Dumont d'Urville ATA 0810 ARQ-E3 96/400 w/msgs to FJY2.
(ML2)

11581 Unid 1041 vft all encrypted channels (EW)

12090.2 RFTJ: C.Vert, SEN 2040 ARQ-E3 192/400 AFL to Paris. (pcG)

12110.5 Unid: 1059 UNID 250bd/170 UNID ARQ System, occasional bursts (MC)

12128 Russian Navy 1452 36-50 50bd/500 tcf (MC)

12139 SNN299: Polish MFA, Warsaw 1453 POL-ARQ 100bd/250 idle (MC)

12147.9 Unid: 1642 81h81 81bd/500 tfc (MC)

12150 IPG20: Italian MFA, Rome 1553 ARQhE 96bd/170 Diplo NX & 5Lgs "da maeraoma" to Warsaw "ambvars" (MC)

12152.5 Unid 1443 FEC Encrypted. (TK)

12173.5 Unid?? UK DCM ?? 2035 PICCOLO/ 1ch idle. (pcG)

12204.8 Unid: 0827 UNID 362.4bd/500 UNID FSK System, ACF=10 (MC)

12216 OLZ: Polish MFA, Warsaw 0750 RTTY 100bd/424 Cultural NX in Czech (MC)

12220.9 Russian PTT 0721 OQPSK 1280bps UNID System, on LSB (paired with 12225 9KHz) (MC)

12222.5 unid 1935 ARQhE 288/326 online encrypted tfc 8CRC, ended at 1939

12228 Xinhua News, Beijing China 1448 RTTY 100/338 ok ok qrz ar va xr va by by (PB)

12228.5 EUROPS: UK DCM ?? 2035 PICCOLO/ 1ch idle. (pcG)

12264.4 HGX21: Hungarian MFA, Budapest 1747 ARTRAC 125bd/170 5Lgs to HGX41

12285.7 Egyptian MFA, Cairo 1701 ARQ ATU-80 MSGs to Vienna "kds uss--gk" (MC)

12285.7 MFA Cairo, EGY 1809 ARQ 5Lgs from "khargia cairo" to various embassies. (pcG)

12298.2 UNID?? 2030 VFT 7x75bd/170 chs (6028). (pcG)

12477 YLAQ: TKH Mikhailis Lomonosovs 1531 ARQ w/admin TG to Riga Radio from

12492 Eqj0: M/V IRAN SADOGHI 1815 ARQ msg in EE to Tehran via A9M. (HOOD)

12494 BOPV: MV Luxun 0945 ARQ tlx re eta Port Said. 6GLF7: MV Royal Reeler

12496 9HZG2: M/V SEADUTY II 1950 ARQ msg to Montreal abt ETA for St John, NB. (HOOD)

12498 USXH: TCH Ivan PROKHOROV 1001 ARQ eta for Limassol via Bern Radio. (HOOD)

12503.5 P3LV2: M/V Pontoporus 2208 ARQ w/tlx for revision of ships chandlers order, login 56329 P3LV2. (RB)

12504.5 TCKT: M/V Mentese 1636 ARQ 54,199 DWT bulk carrier w/ETA Punta Cardon. (RB)

12508 OXWB2: MV Danica Sunrise 1752 ARQ co/ch OXZ, tlx tcf eta Port Said. (BVR)

12508.5 UJUA: TK DAVID GURAMISHVILI 1250 ARQ departing Samsun for Istanbul.

12510 LVLB: M/V Richard G. Matthiesen (T-AOT-1124) 1438 ARQ MSC chartered oiler, w/tlx tcf. (RB)
WUN-v02

12515.5 UMY: RTMA Peredovik 0329 RTTY 50/170 crew TG's. (AB2)
12522 LYCF: ML KEDAINIAI 1809 RTTY 50/170 admin and SVC msg to Radijas Klaipeda (LYK).
12522 LYCA: ML IGNALINA 1915 RTTY 50/170 SVC msg to LYK from R/off Virkeis. (HOOOD)
12560 UVHA: VASILIY LOZOVSKYI (MA-1823) 1400 RTTY 50/170 crew TGs to UDK2. (HOOOD)
12561 UGMS: ST KAPITAN SMOLOV 1800 RTTY 50/170 admin to Novorossiysk from Km Safonev via UGW. Vsl was off coast of NW Africa. (HOOOD) UGMS: BMRT Kapitan Smelov 1720 RTTY 50/170 Russian long range/endurance large freezer/factory fishing trawler w/admin TG for food provisions in Las Palmas from master KMD Safanov. (RB)
12561.5 UATZ: BATM KONRAT BILYUTIN 1805 RTTY crew Tgs to UIW. UGZJ: SRTM Lyublino 1915 RTTY 50/170 admin to UIW, & w/into admin tfg from master KM Gulenko, to Kaliningrad Radio (KLD/MRH), using hull#/ID SRTMh8106, was a RTMS trawler. (RB)
12562 UCDR: TKH IVAN SKURIDIN 0736 RTTY 50/170 tfc to UAT. Vsl is ro-ro owned by Sakhalin Shipping Co, Kholmsk and is ex UVEK and J8HL8. UAIO: NIS BAVENIT 0628 RTTY 50/170 BBXX and crew TGs to Murmansk. (HOOOD)
12562.5 UALY: RTMS ZVEZDA 0733 RTTY 50/170 admin to KALININGRAD POKISK from Km Gavrilenko. UFNH: BMRT VLADIMIR BRODYUK (MB-0021) 1008 RTTY 50/170 crew TGs to UDK2. UANA: FRITJOF NANSEN (trawler) 0814 RTTY 50/170 w/BBXX to Murmansk Pogoda via UDK2. Vsl is ex UTSZ. UAMZ: BMRT PAVEL KAYKOV (MBh0004) 0810 RTTY 50/170 admin to Murmansk from KMD Kravchenko/KMN Velikzhanin. URPD: BMRT ZVEZDA CHERNOMORYA 1457 RTTY 50/170 crew TGs to Kerch. UGZJ: SRTM TAVA 1723 RTTY 50/170 admin to UIW as SRTM-8095 with this c/s and name. W/evbd: BMRT DIONIS 1730 RTTY 50/170 admin from Km Stankov and crew TGs to UIW. UABJ: TM DIONIS 1730 RTTY 50/170 Russian small freezer/factory fishing trawler to Kerch. UAYZ: TSIMLYANSK (MBh2419) 1217 RTTY 50/170 admin to UDK2. UZZT: TKH OGNAN NAYDOV 1728 RTTY 50/170 admin from Km Kadubinskiy to USU. UAZC: NIKOLAY ZAKORIN 0927 RTTY 50/170 admin to UDK2 from Km Mokhov. Vsl off coast of Greenland. (HOOOD) UDUR: RTMKS Admiral Starkov 2139 RTTY 50/170, Russian stern ramped super fishing trawler/super Freezer, w/crew TG's to Murmansk using hull#/ID MAh1812 (MRM/KRH). (RB)
12563.5 P3YI3: FRIO BRAZIL 2014 RTTY 50/170 crew TGs to UIW. UUYK: TKH Ivan Moskalenko 2031 RTTY 50/170 Ukrainian 13,302 DWT dry cargo vsl, w/admin TG's to Odessa from master KM Khilik. UBRJ: TR Ulbanskiy Zaliv 2044 RTTY 50/170 9,360 DWT Russian reefer/fish carrier, w/20106 report (VLD/VTF) to Vostoktransflot (VTF). P3YI3: TR Frio Brazil 2218 RTTY 50/170 4,196 DWT reefer w/RVRY/DID to UIW, K-grad radio, & w/crew TG's to Kerch. 3FKW4: TR Ref Vega 2350 RTTY 50/170 93.60 DWT reefer w/RVRY/DID to UIW, w/crew TG's. (RB)
12563 UUUY: TR Kerchenskiy Proliv 2112 RTTY 50/170, Ukrainian reefer/fish carrier w/RVRY/DID to URL, into admin TG from master KM Kordzk (SVS/MRH), this is the ex-LYBK. (RB)
12564 UAMC: RTMA SADKO 0812 RTTY 50/170 crew TGs via KLD MARINPO and UIW. UBRJ: TR UBANSHY 0826 RTTY 50/170 admin to MURMANSK SEVRBA & KALININGRAD RUMB WESTRYBFLOT via UIW. UGVJ: RTMS NOVOCHEBOKARSK 0651 RTTY 50/170 admin to Km Lebedyev to UIW. (HOOOD) UAMZ: BMRT Valeriy Dzhaparidze 2050 RTTY 50/170 Russian large autonomous long range/endurance trawler, freezer, w/crew TG's, now using first name "Valeriy" & not using hull ID of BATM 6040 any longer. (RB)
12565 UZZT: TKH OGNAN NAYDOV 1728 RTTY 50/170 admin from Km Kadubinskiy to USU. UAYZ: TSIMLYANSK 0712 RTTY 50/170 crew TGs & admin from Km Glebov to USO5. Vsl is a barge carrier of the Ukrainian Danube Shipping Company (No. 216011). UAYZ: TSIMLYANSK (MB-2419) 1217 RTTY 50/170 admin to UDK2. UAYZ: NIKOLAY ZAKORIN 0927 RTTY 50/170 admin to UDK2 from Km Mokhov. Vsl off coast of Greenland. (HOOOD) UDUR: RTMKS Admiral Starkov 2139 RTTY 50/170, Russian stern ramped super fishing trawler/super Freezer, w/crew TG's to Murmansk using hull#/ID MAh1812 (MRM/KRH). (RB)
12565.5 P3YI3: FRIO BRAZIL 2014 RTTY 50/170 crew TGs to UIW. UAYZ: ZNAMENSK (AG-1333) 0840 RTTY 50/170 admin from Km Perimilovyi and crew TGs to RKL. Vsl is ex UTWW. ENUR: TKH STAKHAVETS PETRASH 1445 RTTY 50/170 msg in EE to Geneva from Km Emelyanov. Vsl uses abbrev name "ST PETRA". (HOOOD)

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12566  UBXS: ALEKSANDR KOSAREV (MA-1806) 0740 RTTY 50/170 crew Tgs to UDK2. 
UAKA: NIS PROFESSOR MOLCHANOV 0742 RTTY 50/170 admin to UHS. Vsl is 
ex UUKR (used UUKR in RY tape but signed off in CW with UAKA, which 
is new ITU call). UTJY: N/A 1326 RTTY 50/170RY tape to UDB42 DE UTJY 
then garbled but addressed to HLM (Kholsms Radio). YLFR: MELGRAVIS 
1028 RTTY 50/170 admin to Riga using LZ-6125. YLFT: BATM SERGEY 
YESENNIN 1031 RTTY 50/170 admin to Riga and Moscow using BATM-6123 
from Km Sadykh-Zade. (HOOD)

12566.5  UUAY: TKH VINNITSIA 1834 RTTY 50/170 crew TGs to UUI.  UZPA: TKH 
MOLODOSVAREYSK 1749 RTTY 50/170 msg in EE to Bombay via UUI. (HOOD) 
YLGL: TR Selderi 2239 RTTY 50/170, Latvian 12,280 DWT reefer (Riga 
RTF) in RYRY/DE to UIW, Kaliningrad Radio, & w/crew TG's home. (RB) 

12567  UNCH: BMRT GAZGAN 1817 RTTY 50/170 catch rpt to Novorossiysk via UGW. 
UWOA: BMRT Tsemesskaya Bukhata 2058 RTTY 50/170 RYRY/DE to UGW, then 
into crew TG's (NVR/KRH), vsl bound Las Palmas. UCSA: RTMS Eysk 2124 
RTTY 50/170 Russian super fishing trawler/super freezer, w/hold 
report w/fish in tons, fol by C54 report to Novorossiysk Radio from 
master KM Bezborodov. UFAA: BATM Aleksey Generalov 2132 RTTY 50/170 
Russian long range/endurance large autonomous trawler, w/RYRY/DE to 
UDK2, then ttc to BVC Sevryba using hull#/ID MA-0062. UCBW: RTMS 
Nikifor Pavlov 2133 RTTY 50/170 w/admin hold report showing qty of 
frozen fish in each (lots of sardines!) from master KM Zaritskiy. 
(NVR/VRH) (RB)

12567.5  UAVU: ZAVOLSK (AB-0033) 0932 RTTY 50/170 psn rpt & same for AB-0032, 
0034 & 0035 via RKLM. All off east coast of Iceland. (HOOD) UTHJ: 
BKRT Mariya Poldivanova 1929 RTTY 50/170 crew TG's to Sevastopol 
Radio (SVS/VRH), logged next day on 12562.5 w/admin msgs from master, 
KM Kirsanov. UAWQ: ZRS Menzelinsk? 2134 RTTY 50/170 w/admin traffic 
to Arkhangelsk using hull#/ID AG-1342 from master KM Boyvkin, but 
seemed to use name of Gayaerv as ship name. (RB)

12568  ELSH5: TKH SHOTA RUSTAVELI 0739 RTTY 50/170 crew TGs to UUI. ENTC: 
ODESSA 1725 RTTY 50/170 crew TGs to UUI. (HOOD) UZZF: TKH Kapitan 
Alekskev 2054 RTTY 50/170 w/RYRY to UUI, Odessa Radio, & w/crew TG's 
(DOD/UMF). UUGF: TKH Shota Rustavelli 2118 RTTY 50/170 w/RYRY/DE to 
UUI, into crew TG's to same, Odessa Radio. UVLM: TKH Syktyvkar 2125 
RTTY 50/170 4,494 DWT dry cargo vsl, w/admin ttc to Odessa from 
master KM Berunenko. (RB)

12568.5  YLFN: INZENERIS JUDINCEVS (LZ-7567) 0925 RTTY 50/170 admin to RIGAS 
ZWENYJETSIBA from Km Papkovskiy via UQK. UZVO: TKH IVAN CHERNYKH 
0740 RTTY 50/170 svc msg (left Algiers, bnd Koper). UBCB: VASILIY 
FILIPPOV 0935 RTTY 50/170 admin & BBXX to UDK2 from 64.2N 3.5W. 
YLFB: AICINAYUMS (LM-7552) 0942 RTTY 50/170 admin to RUSIMPEX MOSCOW 
from Km Danchuk via UQK and asking for any ttc on 8446KHz at 0600. 
(HOOD)

12569  UALV: RTMS KULIKOVO POLYE 0813 RTTY 50/170 admin from Km Smirnov. Vsl 
signed off w/new c/s UALV, is ex UZVO. UVHI: N/A (SRTM 8104) 1425 
RTTY admin to PIONER TRAL from Km Prokhonov via UIW. (HOOD) P3YG6: 
TKH Kapitan Kirichenko 2225 RTTY 50/170 Cyprus-flagged 5,250 DWT 
reefer, w/RYRY/DE, then w/crew TG's to Vladivostok Radio. This is the 
then-ex-UUIK & app still Russian crewed. (RB)

12570  UCTJ: N/A 0804 RTTY 50/170 passing BBXX & crew Tgs to Murmansk as 
MI-0698. UBAW: ADMIRAL SHABALIN (MA-1807) 0655 RTTY eta for Lerwick 
in EE to UDK2. (HOOD)

12570.5  URRS: SRTM Torok 2050 RTTY 50/170 Ukrainian medium fishing trawler/ 
freezer, w/admin Tg's to K-grad from master KM Kononenko using 
hull#/ID SRTM-8099 (KLD/MRH), app is ex-LYIN? (RB)

12571  UUQU: PIONER ARKHANGELSKA 0721 ARQ BBXX and admin from Km Markov re 
left Genoa bnd for Arkhangelsk. Vsl call now UCPJ in ITU but still 
using old name. URPQ: TKH PAVEL KORCHAGIN 1735 ARQ admin to UCE. ITU 
call now UCPD but still on old c/s. (HOOD)

12571.5  UHLE: SEMYON LAPSHENKOV (MB-0014) 0818 RTTY 50/170 crew Tgs to UDK2. 
(HOOD) UMKH: SRTM Strelnya 2156 RTTY 50/170 Russian medium 
trawler/freezer, w/crew TG's using hull#/ID SRTM 8108 & name. (RB)

12572  ULSU: BMRT VOLGOBALT 1815 RTTY 50/170 crew Tgs to Murmansk. UDYG: 
ZAHAR SOROKIN (MA-1816) 0810 RTTY 50/170 RYs to UDK2, no joy so moved 
to 12570 for ttc from Km Samokhvalov. (HOOD)

12572.5  ESMD: RTMS Kormoran 2136 RTTY 50/170 w/crew Tg's to Tallinn Radio 
using hull#/ID RTMS 7535/Kormoran. YLGH: TR Dimants 2315 RTTY 50/170 

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Latvian 9,087 DWT reefer/fish carrier, w/posn report (2742N/08611W) from master KM Fayzutdinov, ex-UJMU. (RB)

UKJE: N/A 0938 RTTY 50/170 admin from KM Zaretskiy as SRTMh8105 to UIW. UPRR: BATM Petr Sbignev 2036 RTTY 50/170 Russian large autonomous long range/endurance trawler, freezer w/msgs to BVC. (RB)

UAMC: RTMA SADKO 0950 RTTY 50/170 admin from Km Sungatullin to UIW (using old c/s EWAD in RY tape). (HOOD)

12573.5 UAYX: BMRT Pavel Panin (MBh0013) 0833 RTTY 50/170 crew TGs and admin from Km Bezdolnyy to UDK2. (vs1 is ex USRM). USRV: BATM MARSHAL YEREMENKO 1805 RTTY 50/170 crew TGs to UDK2. (HOOD)

12573 UAYM: LEONID YELKIN (MBh0008) 0731 RTTY 50/170 msg in EE to UUI re ETA Chipiona pilots for discharge Sevilla. UAYM: LEONID YELKIN (MBh0008) 0731 RTTY 50/170 admin from Km Onegov to UDK2. (HOOD)

12574 UCMW: TKH ALEKSANDR PANKRATOV 1212 CW BBXX to UCE using new c/s. Is ex UPKC. (HOOD)

12574.5 N/A M/V HASSAN JUNIOR 0725 RTTY 50/170 msg in EE to UUI re ETA Chipiona pilots for discharge Sevilla. UAYM: LEONID YELKIN (MBh0008) 0731 RTTY 50/170 admin from Km Onegov to UDK2. (HOOD)

12576 UAT: Moscow Radio 1820 FEC cq freqs & tfc list. (BVR)

12579 9VG95: Singapore radio 0019 ARQ msg to ship EQJL (Iran Dastghayb) (EW) 9VG80: Singapore radio 1915 ARQ ww unid mv. (BVR)

12580.5 KFS: San Francisco Radio 1522 FEC kfs sitor 1203 ships tfc list. (RT2)

12584 VIP: Perth Radio 0753 ARQ msg to ships in RR. (EW)

12586 UPPF: Vladivostok Radio 0800 50/170 ry (EW)

12592 SPA: Gdynia Radio-Poland 0615 FEC cq de spa-tfc list. (MS4)

12591.5 UFL: Vladivostok Radio 1040 ARQ msg to ships (EW)

12593 ESA: TALLINN RADIO 1130 FEC Press to Estonian ships in 3sc. Was //w/16826. Followed by blind traffic at 1153z then idling on alphas. Ends bcst & returns to marker "de ESA" and tuning burst. (DW)

12597 KBQ: SEA LINK 0300 ARQ WKG UNID SHIP IN OPR (CHAT) MODE. "DE KBQ SEA LINK". (WT)

12618.7 UNID: 1745 ARQ Msg in cryptic format signed "Agrios Nikol". Also before closed down !Fm: Fair Lady 7/8/96 1450 gmt" Off channel for coast stations. (DW)

12647 LPD: GEN PACHECO RADIO 1058 FEC Marker "LPD" & tuning burst then qtc list "LPD Pacheco" and station indicates "watching 4 8 12 and 22 mhz in iarq service", at 1500 Wkg unid ship, adv telex line problem & are working on it. QRX 30 mins. Then fec mode and tlc list. QXS 4 8 12 and 22 mhz in iarq service. (DW)

12653 UUI: ODESSA RADIO 1500 RTTY 50/170 admin from Km Zaretskiy as SRTMh8105 to UIW. UPRR: BATM Ivan Borzov 2036 RTTY 50/170 large autonomous long range/endurance trawler, freezer w/msgs to BVC. (RB)

12647 KAQ: SWISS ENVOY 1721 ARQ w/5LG's to unid location, ID "KAQ20". (RB)

12700 FUF: FRENCH NAVY FORT de FRANCE MARTINIQUE 0605 RTTY 75/420 w/RYS & ID. (DW2)

12732 USU: MARIUPOL RADIO 1446 RTTY 50/170 crew TG to USPV: TKH MEKHANIK ANISKIN. (HOOD) USU: Mariupol Radio, RUS 1420 RTTY 50/170 w/traffic to unid vsl fm "odessa KM Direktor Koncerna" fol by sv crew TG’s. (RB)

12804 NWK: USN Diego Garcia 1335 FAX 120/576 850 mb 36 h fcst. (MS4)

12947 UUI: ODESSA RADIO 1500 RTTY 50/170 crew TGs to USMB: TKH IZVESTIYA, UUEJ: TKH SOKOL, URKJ: TKH ALEKSANDR MATROSOV, UTOK: TKH AKADEMICHNE YEVGENIY PATON and UVPT: TKH IZMAIL. (HOOD) UUI: Odessa Radio, UKR 1426 RTTY 50/170 w/traffic to UKFEX, TKH Vladimir Vaslyayev; at 1443 wkg EL313 fol by UVAU, TKH Zoya Kosmodemyskaya, a 49,999 DWT bulk carrier. (RB)

12961.5 HBD20: Swiss Embassy, Berne, Switzerland 1721 ARQ w/5LG's to unid location, ID "HBD20". (RB)

13030.3 UUJ: FRENCH NAVY FORT de FRANCE MARTINIQUE 0605 RTTY 75/420 w/RYS & ID. (DW2)

13042 UIV: French Navy Djibouti 0520 RTTY 75/425 vvv de fuv testing - interference with CW station XUS Ho Chih Min, Vietnam. (MS4)

13050 UDK2: MURMANSK FISHERIES RADIO 0631 RTTY 50/170 RYS and freqs as 521.5/3740/6393.5/8550/13050 then tlc list and listening 12459 for CW & 12568.0 for RTTY. (HOOD)

13054 UIW: KALININGRAD RADIO 1522 RTTY 50/170 tlc to UHAP: BST IVAN BORZOV, Pagina 800
ESHV: TAMULA, EMKL: TR SKALISTYY BEREG and UATZ: BATM KONDRAT BILYUTIN (using this new c/s, is ex UNLC). Same at 1654 tfc to P3AX6: TR ANTON GURIN w/new call, is ex UJFM. (HOOD)

13067 Unid: 1535 RTTY 100/850 encrypted traffic. (MS4)

13068.5 C37A: Mossad/BND link 1531 ARQ-E 8crc 288/330 encrypted tfc. (PB) C37A: Israeli Intel, Jerusalem 1346 ARQ-E 288bd/330 crypto to "6XM8" Q5X 14721kHz (MC)

13226.7 Egyptian MFA, Cairo 1550 ARQ ATU-80 MSGs to various embassies (MC)

13317 Korean Diplo, Pyongyang 1440 RTTY 50bd/1000 MSGs in KK and crypto. (MC)

13365.1 5YD: Nairobi Meteo, Kenya 1754 RTTY 50bd/400 AAXX WX (MC)

13347.7 MFA Cairo 1630 ARQ ttc to Algiers, Bonn & lastly, from Washington until 1730, used rabat embassy to relay all traffic. (ANEU)

13363.7 UNID: PROBABLE USAF AWS 2140 RTTY 50/425 w/ICAO surface wx ttc. Ea message starts w/KVA###. (DW2) (KVA is the circuit ID for 5YD, Nairobi Meteo, recently logged on 13364 in this baud/mode -LOGS)

13365 5YD: Nairobi Air-Kenya 1105 RTTY 50/425 ry de 5yd.

13376 Unid 1017 75/170 unknown system (EW)

13379.7 MFA Tokyo, J 1530 ARQ ttc to various african embassies to 1700. (ANEU)

13391.5 French Diplo? 1550 TT2300b 100bd ttc (MC)

13399 DFZG: MFA Belgrade 2300 RTTY 75 w/RYRYRYR. (TK)

13408.3 Unid: 1042 Packet 300/170 "CMPAK4 CMPAKA 15131P C ANGGOTA:MIL 48 ORG KMA PNS 36 ORG". ID? (MS4) (Murray Lehman later posted "The call signs (plus CMPAKA0/1/2/3) are used by some kind of mailbox 13408.3 in Indonesia but I don't know who runs it. I have copied traffic which refers to the Indonesian Army and also some which refers to fishing. An organization called ASINTEL has also been seen. The only definite info I can give is that CMPAKA is 13408.3 Jakarta. This was from traffic on 13407 -LOGS)

13416 British Mil 1407 VFT: 2ch of Piccoloh6, crypto (on LSB) (MC)

13416.4 British Mil 1406 VFT: 2ch of Piccoloh6, eng. ch idle (on LSB) (MC)

13418.7 Unid: 0940 ARQ-E? 86/131 is this "6XM8"? Poss ARQ-E Mossad clg C37A? (RH2)

13419 Unid 1417 ARQ-E 288 encrypted message. (TK)

13440 YZI: Tanjug News, Belgrade 0007 RTTY 50 ee nx. (TK)

13444.3 RFQP: FF Djibouti 1100 ARQ-E 100 de rfqp, controle de voie. (MS4) RFQP: FF Djibouti, DJI 1730 ARQ-E 100/404 w/"Cdev" on FQP cid. (RH2)

13459 Hungarian Diplo? 1402 UNID 250bd/850 UNID ARQ System, ARTRACh2? (MC)

13462 Hungarian Diplo? 1355 UNID 250bd/850 UNID ARQ System, ARTRACh2? (MC)

13465.2 RFFTC: FAF unknown loc. 1434 ARQ-E 200/393 RFFVAT de RFFTC fm:centelecomair istres to:comelef aconit, non protege (PB)

13466.5 Polish Embassy, Hanoi, Vietnam 1410 POL-ARQ 100 POL messages. (TK)

13467 SNN299: MFA Warsaw 1420 POL-ARQ 100/260 nx items in Polish (PB)

13475 Unid: 0949 unk 81 baud encrypted text. (EW) (most likely Russian military in 81-81 -LOGS)

13505 AAA6USA: Fort Sam Houston, Tx 1809 PACKET Central Army MARS gateway, wkg AAT7TKS via "AB4USC.KC.PAC" gateway. Note the first "A" in each c/s is dropped to conform to packet protocol w/these stations. (RB)

13510 CFH: Halifax Military, NS, CAN 1849 RTTY 75/850 w/wx synops. (RB) CFH: Halifax, NS. CAN 1330 RTTY 75/571 1.5 stopbit synoptic wx. (RT2)

1355 Polychrono, FG 0944 RTTY 100/650 w/crypto, normally use 75bd for ID marker. (RH2)

13522 Unid 0949 unk 81 baud encrypted text. (EW) (most likely Russian military in 81-81 -LOGS)

13537.6 UNID: 0925 PACTOR unable decode. (RH2)

13541 NNONCEI: USN? 2049 PACTOR/1 USN marsgrams. (PCG) (USS Camden AOE-2 -LOGS)

13541.8 ZRO3: PRETORIA METEO 0920 RTTY 75/346 w/synop codes. (RH2)

13543.7 RPT3D: Libreville, Gab 2044 ARQ-E 192/400 HA2 to Paris. (PCG)

13555 SN299: Polish MFA, Warsaw 0647 POL-ARQ 100bd/236 Claris MSGs (MC)

13570 Unid 1015 200/425 unknown system. (EW)

13570.5 British Mil 0648 Piccolo-12, crypto (MC)

13580 MKK: RAF LONDON 2130 PICC/VFT 2 channel piccolo vft. Both channels idle. (DW)

13580.5 MKK: RAF LONDON 2130 PICC 13580.510. Channel in vft. Idle then "de MKK pls ut sy to f10 2134z kkk". Later "de MKK rgrgrg int zbz k" and Pagina 801
"de MKK rgrg 555ens also chrs pm k" (DW)

13580.9 MKK: RAF LONDON 2257 PICC 13580.910. Channel in vft. Idle then vft offair at 2258z.

13585.9 MAP Rabat 1732 RTTY 50/398 nx in FF. (PB) MAP, Rabat, MRC 1650 RTTY 50/425 w/ MAP FF nx items. (EB)

13597 JMH: Tokyo, Japan 1315 FAX 120/570 Gms 5 satellite picture (very good signal, typhoon clearly visible). (MS4)

13780 HMF35: KCNA News Pyongyang 1013 50/170 nx in unid lang. (EW)

13846.7 RFVI: FF Le Port Reunion 1010 ARQhE3 100/425 idle. (EW)

13848.5 RFFXL: Beirut UNIFIL, LBN 1546 ARQhE 72/400 XZL to Paris. (pcG)

13855 V5G: Romanian MFA, Bucharest 1312 ROUhFEC 164.5bd/400 (Bitmask=24) Press circulars to all embassies (MC)

13855.1 V5G: MFA Bucharest 1340 mode? w/circulars in Romanian (PB)

13856 SOUD station 1755 RTTY 100/494 5Lgs 11166 8*190 10430 21806 01259 hgo into 5Lgshgr 28 tyknb ukm* ok 11177 00190 00000 21804 01291. (PB)

13875.4 HGX56: Hungarian Embassy, Cairo 1334 ARTRAC 125bd/200 MSGs in HH to HGX21 (MC)

13880.5 UNID UKRhStation, UKR 0530 CISh14 96Bd/500, "citrus" test tape after zczc on channel A, then into PSEUDO# bitstream tfc. after kkkkkkkkkkkk, QSX 14549.5 kHz. (ANEE)

13881.4 MKK: RAF London, G 1838 RTTY 50/170 w/RYI'S/FOXES/1h10 count, etc. (RH2)

13886.7 RFFh: Paris, F 1938 ARQhE3 192/400 ITF to Libreville (pcG)

13890 UNID UKr-Station, UKR 0535 CIS-14-96bd/500, "citrus" test tape after zczc on channel A, then into PSEUDO# bitstream tfc. after kkkkkkkkkkkk, QSX 14549.5 kHz. (ANEE)

13900 BMF: Taipei meteo 1007 fax 120/576 wx maps (EW)

13907.5 Unid: 1721 ARQ MSG in FF (groceries) mentions Bassikounou (MC)

13908.5 Unid: 1210 ARQ-96 encrypted. (TK)

13910.5 Unid: 1721 ARQ MSG in FF (groceries) mentions Bassikounou (MC)

13913.6 Unid: 1123 PACTOR 200bd/200 UNID sub-mode, no sync (MC)

13917 Tripoli-Polish LBY 1505 POL-ARQ MFA msgs to Warsaw (pcG)

13944.2 Russian Mil 1336 MS5 12 tone vocoder (3300Hz pilot) (MC)

13947 ROM5: Tashkent meteo 0951 fax 90/576 wx maps (EW)

13956.5 "25I": MFA Tunis, TUN 2000 FEC off w/ 'ENVOILE 09/08/96 XXAL', at 2005 w/RYRI to "25I" & w/"routine" marked 5LG's. (RB)

13958.5 HBD20: MFA Berne, SUI 1610 ARQ 5lg's. (pcG)

13965.5 HBD20: MFA Berne, SUI 1530 ARQ FF text msg. (pcG)

13967.2 Unid: 1600 FEC "tr tr in in"? (pcG)

13971 Unid: 1448 81-81 81bd/200 tcf. (pcG)

13977 HBD20: Berne MFA, SUI 1710 ARQ 5lg's. (pcG)

13986.7 RFFA: Paris, F 2010 ARQ-E3 192/400 IGU to Cayenne. (pcG)

13996.5 STK: Khartoum Aero, SDN 1630 RTTY 50/400 ryry test. (pcG)

13998 IFRC***: Kinshasa 1439 PACTOR-I2 200bd/200 MSG in FF to IFRC Bukavu. (MC) IFRCBV***: IFRC, Brazzaville 1414 PACTOR-I2 200bd/200 MSG in EE to Geneva (MC) IFRCGVA***: IFRC, Geneva 1417 PACTOR-I2 200bd/200 MSG in EE to Kigali (MC) IFRC***: IFRC, Bukavu 1438 PACTOR-I2 200bd/200 MSG in FF to IFRC Kinshasa (MC)

13998.5 Unid: 0626 Piccolo-12, crypto (MC)

14116 Unid 0949 unk 81 baud encrypted text. (EW) (most likely Russian military in 81-81 -LOGS)

14340 BAF47: Beijing meteo 0947 50/850 wx reports (EW)

14358.5 British Mil 1511 Piccolo-12, short crypto MSGs (MC)

14367 BZP54: Beijing XINHUA CHN 0745 RTTY 75/400 EE nx. (pcG)

14377 DOSC Moskva, RUS 0819 RTTY 75/500 5Lgs to DKR on Iink 7006G. (ANE)

14405 DOR***: Bulgarian MFA, Sofia 1933 RTTY 75bd/500 NX in Bulgarian (MC) Unid 1241 unk 200/425 unknown system. (EW)

14408.2 Russian Mil 1407 MS5 12 tone vocoder (3300Hz pilot) (MC)

14430.3 Unid: 1258 RTTY 50/850 w/5LG's & off. (RB)

14438.1 FJY2: DTERE KERGUELEN I. 1030 ARQ-E3 100/390 w/"ZID TWE TWEDINT ZWG CHEZ TOI ?". (RH2)

1444 Unid: 1519 81-81 81bd/250 tcf (MC)

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14451  Unid: 1520 81h81 81bd/500 tfc (MC)
14462.8 Unid: meteo 1138 RTTY 96/390 good sigs. (RH2)
14467.3 DDH9: Hamburg Meteo, Hamburg, Germany 1503 RTTY 50 WX report. (TK)
14475  Unid: 0954 81h81 81bd/200 tfc (MC)
14479  Unid: 1124 ASCII-ARQ 300.6bd/420 ACF on tfc, opchat in 300bd ASCII. (MC)
14479.5 Unid 1148 RTTY 100 UnhID. (TK)
14481.7 RFTJ***: French Forces, Dakar 1542 ARQhE 48bd/400 MSGs in FF & 5LGs to various RFF stations (MC) RFTJ: French Forces, Dakar, SEN 2052 ARQ-E 48/450 w/controlo de voie on circuit T3F. (RB)
14482  MFA Islamabad, Pakistan 0516 ARQ to Parep New Delhi-51gs. (MS4)
14486  P6Z: MFA Paris, F 1420 FEC-A 192 encrypted. (TK)
14488  OEC: Austrian MFA, Vienna 1334 ARQ-S 96bd/170 5LGs circulars (MC)
14492  P6Z: MFA Paris 0620 ARQ6-90 200/400 w/5LG's to Riyadh (ML2)
14497.4 Unid: 1007 TT2300b 100bd tfc (MC)
14497.5 CSY: S.Maria Aero, AZR 0855 RTTY 50/850 ryry test. (pcG)
14499.5 French Diplo? 1543 TT2300b 100bd idle (MC)
14507.2 D4B, Ivory Coast ASCENA 2354 RTTY 50/450 RY's & ID, slight drift in frequency. (PS)
14509.7 RUS-MIL station, RUS 1028 PSK system+CW, QSY 14717.88 kHz. (ANEE)
14518  MFA Vienna, Austria 1145 ARQ-S press items in Gq. (JD2)
14518.5 Unid 0943 fax 120/76 poor quality wx maps cannot id. (EW)
14520.2 Russian Mil 1545 MS5 12 tone vocoder (3300Hz pilot), tfc (MC)
14520.5 British Mil 0903 Piccolo-12, crypto tfc (MC)
14526.5 French Diplo 1444 TT2300b 100bd tfc (MC)
14530.2 P6Z: MFA PARIS 1654 ARQ6-90 200 weak sigs, pulses only. (RH2)
14533  MFA Paris, F 1440 ARQhE 90 200 DE DIPL 06. (TK)
14545.5 BDF: Shanghai meteo 0904 fax 120/576 wx maps (EW)
14549.5 Unid: 0630 81h81 96bd/500 tfc (MC)
14549.7 Egyptian MFA, Cairo 1308 ARQ ATU-80 MSG acks (MC)
14552  D7A: French Embassy, Addis Ababa ETH UTC? FSC-192/425 w/5LG's.(ML2)
14564  Unid: 0904 81h81 81bd/250 tfc (MC)
14566.7 Italian Diplo/Mil 0630 UNID 1200bps FSK UNID System (MC)
14567  HMF32: KVN News Pyongyang 1001 RTTY 50/425 EE nx items (EW)
14572.8 BAF: Beijing Meteo China 0540 FAX 120/576. (MS4)
14573  JANA, Tripoli: 1729 RTTY 50/400 w/Ryry & into Arabic nx items, fol by FF/EE nx. (RB)
14578  RFFXL: Beirut UNIFIL, LBN 1615 ARQ-E 72/400 XZL to Paris. (pcG)
14584  JTF23: MFA Ulan Bator, MNG 0535 RTTY 50, various messages in Mongolian. (ANEE)
14585.5 British Mil 0911 VFT: 2ch of Piccolo-6, eng. ch idle (MC)
14585.9 British Mil 0912 VFT: 2ch of Piccolo-6, tfc ch idle (MC)
14593.3 Unid 1650 PICCOLO weak sig, Port Stanley, Falklands? RAF? (RH2)
14593.7 (this is reported as one of RAF Port Stanley's (Falkland Islands) MTS freqs w/MKK RAF London -LOGS)
14613.7 I90***: 1555 ARQ Opchat in French ends "/end" (MC)
14621.7 MFA Cairo 0935 ARQ w/tfc to consultate Getafe, Spain & Embassy? Bermuda. (ANEU)
14626.7 RFL1: French Forces, Fort de France 2117 ARQ-E 192/345 w/Controle de voie on C.I. LIJ. (RB)
14627.7 RFL1: FF Fort de France 1315 ARQ-E 192/363 idle. (RT2)
14638  Unid: 1152 RS-ARQ 240bd 8 tone in IRS mode (MC)
14639  KPL: News Laos 0957 50/425 EE nx items (EW)
14640  Unid: 1342 RTTY 75bd/850 crypto (MC)
14654.5 SPW: Warsaw R, POL 1945 ARQ tfc to ships. (pcG)
14663.5 DMK: Bonn MFA, D 1950 ARQ-E 96/170 idle. (pcG) DMK: Gemma MFA, Bonn 1259 ARQ-E 96/170 crypto to Embassy Brasilia (MC)
14664  Russian Navy 1431 36-50 50bd/200 tfc (MC)
14694.7 Unid: 1005 UNID 360.5bd/780 UNID Packet System (acks at 301bd/780). (MC)
14718.3 RFPL1: French Forces, Noumea, New Caledonia 0210 ARQ-E 100/425 w/tfc fm 'Marine Nouvelle Caledonia' to 'batiments en zone maritime Nouvelle-Caledonia' on C.I. HIJ. (RB)
14721  6XMB: BND liaison service, D(north western Germany) 1019 ARQ-E 288/190 encrypted tfc. to Mossad Tel Aviv 'C37A' QSY 13069.5 kHz. (ANEU) 6XMB: German Intel, Germany 1344 ARQ-E 288bd/199 crypto to C37A QSY 13068.5KHz (MC)

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14751.7 Egyptian Embassy 1617 ARQ 100bd/170 ATU-80 MSGs acks to MFA Cairo. (MC)

14759 Unid: 0649 RS-ARQ 240.1bd 8 tone tcf (MC)

14774.7 DOR***: Bulgarian MFA, Sofia 0938 RTTY 75bd/500 NX in Bulgarian sign-off "dor dor dor znn gb sk@@@" (MC)

14779.3 DOR***: Bulgarian MFA, Sofia 0939 RTTY 150bd/500 NX in Bulgarian (MC)

14780.7 PWX: Brazilian Navy, Rio de Janeiro, B 1310 RTTY 75/850 w/RY's, SG's to RPFN. (RB)

14818.5 Unid 1130 Strange noises! Unable decode. Listed as CJL MOSSAD, TA. (RH2)

14821 DOR: MFA Sofia BUL 0800 RTTY 75/500 & IRA 300/500 signing off to Harare w/tks DR OM ET GB 73 88 (ML2)

14840.4 HGX55: Hungarian Embassy, Algiers 0958 ARTRAC 125bd/170 MSGs in HH to HGX21 (MFA Budapest) (MC)

14852 NATO Mil 0743 PSK 2400bps UNID System (MC)

14861.3 MFA BUCHAREST 1215 RUMhFEC 164/371 unable decode. (RH2)

14863 TAD MFA Ankara 1010 FEChA 144/850 w/nx EE & 5LG's (ML2)

14871.7 JPA: Interpol Japan 0900 ARQ idled for 30 mins then off. (EW)

14926.7 RFTJ: French Forces, Dakar, SEN 1832 ARQ-E3 192/425 w/"non-protege" tcf. (RB)

14939.2 Russian Mil 0635 MS5 12 tone vocoder (3300Hz pilot) (MC)

14956.5 AABUSSA: Army MARVA, loc? 1810 PACTOR 200/400 wkg AAT4TGA w/SHARES exercise 96-2 msg. (RB)

14957 NNNOPFX: Navy MARS, Tex 1420 ARQ w/tcf, poss related to Shares Exercise. KGD34: NCS Arlington, Va 1429 PACTOR SHARES HF mailbox, being worked by NNNORFM during Shares Exercise. (RB)

14959.7 RFTJ: French Forces, Dakar, SEN 2233 ARQ-E3 192/425 w/controle de voie on circuit TJJ. (RB)

14960.1 RFTJ: FF DAKAR 1224 ARQ-E3 192/405 w/"Cdev", then "DE RFBI" w/a "Cdev". (RH2)

14961 TAD: Turkish MFA, Ankara 0636 RS-ARQ 240.1bd 8 tone, tcf (MC)

14968.5 UTN 23: UNID RUS-NY or UKR-NY 0827 CW clg EOWS. (ANEE)

14970.4 SAM50: Swedish Embassy, Cairo 0900 SWEDhARQ 100bd/400 MSGs in SS to UNHCR Khartoum (MC)

14970.5 UNID: 0850 ARQ6h90 100/400 Scandin.lang ? (pcG)

15043.5 MFA Cairo, EGY 1338 ARQ w/tcf/AA. (RH2)

15597.7 MFA Paris 0930 ARQ-E 96 w/tcf to Port-Au-Francais to 1400, new freq (up 70 khz). (RH2)

15647.2 PCW1: Mfa Den Haag 1825 TWINPLEX 100 tcf to KWE. (BVR)

15681.7 MFA Cairo 1130 ARQ w/Islamabad. (ANEE)

15717.7 MFA Tokyo, J 1500 ARQ tcf to Lagos to 1530. (ANEE)

15729.2 Unid 1240 ARQ unlisted, v. strong pulses but nil on screen. (RH2)

15732.7 CLPI: MFA, Havana, Cuba 1659 RTTY 50/850 w/circular 1152, later
15743  Minrex/Embacuba tfc. (RB)
15746.7  VNA: Hanoi 0000 RTTY 50/425 Hanoi press -Nx in FF. (MS4)
15780  AOK: USN Rota, Spain UTC? FAX 120/576 weak. (LC)
15805.2  Portuguese Navy 0839 OOPSK 7ch of 100bps OOPSK UNID System (MC)
15835.2  Unid: 1640 PACTOR? listed as Mossad, Tel Aviv - CJL? What mode? (RH2)
15847  TAD: MFA Ankara 0710 FEChA 144/850 w/5LG's (ML2)
15855.8  Unid: 1310 mode? 100/170 sounded like ARQ but wasn't! Tx but nil on screen. (RH2)
15858.5  German Embassy, Brasilia 1115 ARQhE 96bd/170 MSGs in GG to MFA Bonn. (MC)
15861.8  Unid 1635 mode? 48/395 SAM? Is this the new mode replacing SWEDhARQ? (RH2)
15861.9  OMZ88: MFA Bratislava, Slovakia 1231 RTTY 100 Slovak. (TK)
15872  British Mil 1001 Piccolo-12, crypto (MC)
15892  BAF9: Beijing meteo 0649 fax 120/576 wx maps. (EW)
15909.5  Russian Mil 1102 MS5 12 tone vocoder (3300Hz pilot), idle (MC)
15920  8WD2: MFA New Delhi 0830 RTTY 50/170 clg Yangon MYA (ML2)
15927.7  unid system 1205 1200bd FSK? Italian chat between databurst. (PB)
15942  OLZ88: Czech MFA, Prague 0929 RTTY 100bd/400 RX in Czech to various Middle Eastern Embassies (MC) OMZ88: MFA Bratislava, Slovakia 1231 RTTY 100 Slovak. (TK)
15944  OMD88: MFA Bratislava, Slovakia 1222 RTTY 100 Slovak. (TK)
15964.5  EAE220: MFA Madrid, Spain 1548 ARQhE3 192/425 w/Controle de voie, C.I. BFL. (RB)
15969  NAA: USN, Cutler, Maine, US 1943 FAX 120/576 w/NAM Norfolk height, temp wefax chart, good. (RB)
15969.3  Unid: 1358 ARQ 100/425 idling in receive mode. (RB)
15969.5  FUB: FN Paris 0850 RTTY 50/850 cgl FAX & then to crypto. (ML2)
15991.5  Unid: 1618 ARQ prob MFA Cairo w/distinctive Egy Diplo tfc/AA. (RH2)
16018.7  Egyptian MFA, Cairo 0958 ARQ Calling selcal "TVXY" (Embassy Muscat). (MC)
16025  V5G***: Romanian MFA, Bucharest 0902 ROUhFEC 164.5bd/400 Circulars in RR to all embassies (MC)
16061.7  Hungarian Diplo? 0842 UNID 250bd/850 UNID ARQ System (MC)
16073.9  L3A30: Norwegian MFA, Oslo 0932 ARQ 100bd/400 RX in NN to various Embassies mkd "n o r e g" (MC)
16087.7  RFVI: FF Le Port Reunion 0443 ARQ-E3 100/425 idle. (EW) RFVI: French Forces, Le Port, Reunion Isl 1638 ARQhE 100/400 w/Controle de Voie on circuit REI. (RB) RFVI: FF Le Port, Jibuti 1218 ARQhE 100 Controle de voie. (TK)
16103.9  L3A30: Norwegian MFA, Oslo 0950 TWINPLEX-1w 100bd/400 RX in NN to Bangkok and New Delhi (MC)
16109.3  Unid: 1534 mode? on MFA Stockholm freq but not SWEDhARQ, like E3/192? (RH2) (look for Clover waveform -LOGS)
16109  SAM: Swedish MFA, Stockholm 1055 SWEDhARQ 100bd/400 RX in Sweden to all embassies (MC)
16109  SNN299: Polish MFA, Warsaw 1505 POLhARQ 100bd/250 MSGs in PP to embassies (MC)
16111  HBD20/3: Swiss MFA, Berne 1055 ARQ 5LGs (MC)
16118  Unid station 1656 ARQ w/5LG's. (JM) (probably Swiss Embassy, Havana, Cuba, hrdr here before -LOGS) HBD46: Swiss Embassy, Havana, Cuba 1645 ARQ w/5LG's to unid location, ID "HBD46". (RB)
16162.7  Egyptian E, Nouakchott 1138 ARQ ATUh80 MSGs to MFA Cairo mkd "jg yphkg glkwzlc" (MC)
16165.2  MFA Paris (NOT MOD!) 1530 ARQ-M2 200 5l tfc to unid embassy. (ANEU)
16195  German Diplo? 1347 RS-ARG 240.1bd 7 tone, tfc (MC)
16227.7  unid 0925 ARQ-E 96/395 idling [RFVXI Bangui is normally 16226.5 ARQ-E 72/400] (PB) UNID: 1650 ARQ-E 96/400 idle. (pcG)

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16227.8 Unid 1215 SI-ARQ 96/404 unlisted, good tune to S4 but gbge on screen. (RH2)
16239.5 Unid 1415 RTTY 50/425 message in malay ?(zagan zenseigen). (MS4)
16245 TJN: French Emb Beijing 0820 FEC-A 192/850 w/5LG's (ML2)
16260.1 RFGW: MFA PARIS 1457 FEC-A 192/388 w/465 5LG to "AFZCS"? (RH2)
16277 TJN: French Emb Beijing 0820 FEChA 192/850 w/5LG's (ML2)
16280.3 RFFA: MoD Paris, F 1545 ARQhM2 200/342 w/both channels idle. (RB)
16286.7 PAKhEMB Ankara, TUR 1010 ARQ 5LGs to Islamabad. (ANEE)
16286.7 Unid: 1000 TWINPLEXh4 100 unid very weak to 1030. (ANEU)
16305 SOUD Station 0947 RTTY 75bd/500 MSGs in SS signed "     " (MC) (mode is Crowd 36 right? hLOGS)
16312.5 C37A: Mossad/BND link 1328 ARQ-E 8crc 288/334 encrypted tcf. (PB)
16318.8 MFA CAIRO, EGY 1342 ARQ w/tcf/AA. (RH2)
16322.7 Egyptian Embassy 1506 AR-Q ATUh80 MSG to MFA Cairo (MC)
16352 UNID RUShNY station, RUS 0819 RTTY 50/250 136 bit correlation UNID system. (ANEE)
16355 CLP4????: Cuban Embassy, Bissau 1833 RTTY 50bd/500 MSGs in SS signed "Jacinthe 269 embacuba bissau" (MC)
16372 8wB4: Indian Embassy, Teheran 1439 RTTY 50bd/400 "now is the time... 8wd7 de 8wb4" calling MFA Delhi (MC)
16386.7 Pakistani Embassy, Ankara, Turkey 1454 ARQ Embassy Messages to MFA Islamabad. (TK)
16687.5 9HKR4: M/V Adventure I 1415 ARQ w/noon posn report for EMM Athens, selcall 36363. (TD2)
16689 9HSG4?: M/V Pretty Lady 1245 CW w/derust, paint, progress report. (TD2)
16683.5 P3QA3: M/T Liepaya 2229 ARQ 12,081 DWT tanker (Latvian Shpg Co), w/tlx tcf, login 00643 LIEP. (RB)
16685.5 SZMM: Paraskevi M.Y. 1640 ARQ tcf for Transmarine, Long Beach, selcall 16715. (AB2)
16687.5 CCES: Esmeralda 2302 ARQ tcf in SS, I last logged her in the 80's. (AB2) (thanks for the callsign! -LOGS)
16688.5 BOPT: M/V Hua Tuo 1525 ARQ wkg WLO w/ETA Salvador. (TD2)
16691.5 PPWF: M/V Libra 1005 ARQ wkg Singapore w/tcf for Piraeus. (TD2)
16713 9HCR4: Mv Atlas 0921 ARQ pos 33.11n 026.47e tlx to Navitech New York. (BVr)
16715 9HLS4?: M/V Anthia 1510 ARQ req test of new GMDSS console, maritex ID 29721. (TD2)
16722 UROL: FISH CARRIER CHERNOE MORE 1902 RTTY 50/170 w/crew TG'S. (Dw2)
16728.5 GXIC: M/V Pegasus Bay 0842 ARQ w/queries for Globe Wireless. (TD2)
16797.5 LYEB: SOVSHIP "RTMS MALTA" 1037 RTTY 50/170 w/K'Grad. (RH2)
16797.5 ULGX: SOVSHIP "TR TOKAREVSK" 1202 RTTY 50/170 w/Vladivostok. (RH2)
16800.1 PNA MANILA 1110 FEC W NX/EE, mostly about "pork barrel issue"?? (RH2) (this is usually a Filipino crew ship relaying nx fm Manila Radio -LOGS)
16801.1 UASU: SOVSHIP "SMB PORQA" 1152 RTTY 50/170 w/Murmansk. (RH2) (this is Purga in ITU -LOGS)
16803 UIIE: TKH Vilyam Foster 2027 RTTY 50/170 13150 DWT dry cargo ship (baltic shpg), w/admin msgs (SPB/BMP) from master KM Tofank, vsl bound Port of Tampa, poss name chg to Ulan Foster, as U Foster used in each msg. (RB)
16808 SPA: Gdynia Radio, POL 1450 FEC w/long Pol msg w/mention of Toulon & other ports. (TD2)
16809.5 EAD: Madrid radio 0906 FEC tcf lst. (BVr)
16813 UAT: Moscow radio 0733 ARQ msgs to ships in RR. (EW)
16834 CUL: Lisbon radio 0837 FEC tcf lst. (BVr)
16838 SAB: GOETEBORG RADIO 1014 ARQ tcf to TCIH: M/V OCEAN TRANSPORTER. (HOOD)

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16839.5 UFN: Novorossiysk Radio 0702 ARQ tlx tcf. (BvR)
UFN: NOVOROSSIYSK RADIO 1821 ARQ crew TGs to UPSQ: TK VLADIMIR KOKKINAKI from Tuapse and Novorossiysk. (HOOD)

16851 UON: BAKU RADIO 1019 CW tcf to 4JGZ: BESTEKAR FIKRET AMIROV. Vsl is ex KOMPOZITOR GLINKA, UPMX). (HOOD)

16883 OST: OSTENDE R 1319 FEC re new Fax facilities for ship/shore sigs. (RH2)

16892 XSG: SHANGHAI R 1440 ARQ w/CW/ARQ marker. (RH2)

16893 USU: Mariupol Radio 0820 ARQ tlx tcf to UYSL, 3650 usu. (BvR)

16898.5 UAT: Moscow Radio 0832 ARQ tlx tcf. (BvR) UAT: Moscow Radio, RUS 0400 FEC de uat radio-Moscow-- operating freq. + tcf list. (MS4)

16905 FUV: Djibouti 0500 RTTY 75/425 test tape-- de fuv ryryryry. (MS4)
FUV: FN JIBOUTI 1314 RTTY 75/825 w//VVV DE FUV marker. (RH2)

16908.3 TAD: MFA ANKARA 1433 FEC-A 144/850 idling. (RH2)

16927 UIW: KALININGRAD RADIO 1102 RTTY 50/170 tcf for UAUN: NIS AKADEMIK IOFFE. Same 1724 RTTY 50/170 tcf to UALY: RTMS ZVEZDA for Km Gavrilenko. (vsl is ex URRD). (HOOD)

17108 GYU: RN Gibraltar 1036 RTTY 75/850 testing 'the quick...' (PB)

17141.5 USU: Mariupol Radio, UKR 1503 RTTY 50/170 w/'rajone' regional warnings fol by Mariupol Morflot tcf, poss to collective calls. (RB)

17147 URL: SEVASTOPOL RADIO 1118 CW crew TGs to UZVX: MYS SARYCH (ex UJDC) & UYKO: INKERMAN (ex RMS HRUSTALNY, UNLY). Both vsls are fishing fleet replenishment tankers for the YUGRYBA fleet. (HOOD)

17185.7 YLQ: Riga Radio 1020 RTTY 50/150 msgs to unid tanker (PB)

17421.5 MFA Rome 0840 ARQ w/5LG's (ML2)

17422.2 ZIM 1229 RTTY 50/497 embacuba Harare w/east & south African nx/ss. (RH2)

17422.7 Italian Diplo/Mil 1004 UNID 1200bps FSK UNID System (MC)

17430 9VF209: Singapore 1500 FAX 60/576 KYODO press in JJ. (JD2)

17454 Russian Diplo 0954 CROWD 36 tcf (MC)

17524 PWHR: Hickam AFB Hawaii 0510 RTTY 75/850 wx reports. (EW)

17573 AJO: USAF Adana, TUR 1241 LSB as part of VFT circuit to AJE USAF Croughton. (ANEU)

18002 Hanoi Meteo VTN 0720 FAX 120/576 w/850 hPa analysis chart for SE Asia (ML2)

18005.7 Egyptian MFA, Cairo 1356 ARQ 100bd/170 ATU~80 MSGs to selcal "KKXT" (Embassy Nairobi). (MC)

18023.1 HBD20/5: SAN SIMONSTOWN 1302 RTTY 75/156 w/RY'S/foxes/1-10 count & INR ZBZ etc. (RH2)

18029.1 ZAIRE BANK CIRCUIT 1202 RTTY 48/175 tcf/FF to various banks. (RH2)

18042 MSF Mazar, Afghanistan 0930 ARQ wkg MSF HQ Brussels (selcall mzgb) w/admin msgs to 1100. (ANEU)

18048 ZRX: SAN ? Cape Town AFS 0620 RTTY 75/170 clg FUX (ML2)

18180.7 7RQ20: Algerian MFA, Algiers 1257 Coqueleth8 26.7bd NX to Harare, Dar Es Salaam and Bamako in FF (MC)

18220 JMH: 0540 FAX 120/576 axf6e 78 chart. (MS4)

18245 FUX: FN Le Port REU 0700 RTTY 75/850 clg ZRX w/ INT ZBV INT QRV. (ML2)

18250 SOUD station 0937 RTTY 75/496 5Lgs 11177 (PB)

18251.7 Egyptian Embassy 1510 ARQ ATU-80 to MFA Cairo (MC)

18265 XV4N48 VNA News Hanoi Vietnam 0514 50/425 nx in FF. (EW)

18268.1 HBD20/5: MFA BERNE, SUI 0928 ARQ w/gillions of 5LG's, will take some decoding! (RH2)

18269 HBD20/5: Swiss MFA, Berne 1149 ARQ Mailbox access by various embassies (MC)

18270.5 HBD20/5: Swiss MFA, Berne 0946 ARQ 5Lgs (MC)

18278 IWB3: Luska Air 0915 RTTY 50/425 test tape de iwb3 ryryryry. (MS4)

18315 VHC: RAN Belconnen AUS 0736 PICCOLO w/svce msg to GFH (ML2)

18316 OMS: MFA Bratislava 0927 RTTY 100/395 nx (slovenska republika) (PB)

Unid 1135 RTTY 100/389 unlisted, nx in some East European lingo; Pagina 807
Clues? On another day on 18316.2 at 0923 RTTY 100/444, looked like nx in Czech. (RH2) (see prior log -LOGS)

18372 Unid 0512 75/850 unknown system. (EW)

18380.4 RFFMVD: Celenv Toulouse, F 1155 ARQ-E3 100/395 to Marine la Reunion (RFVICE). RFFTBo: AIR COMGEND PAGEND PARIS, F 1212 ARQ-E3 100/395 to AIG2265 RFFYFS CENTISGEN. (RH2)

18411.5 MFA Jakarta 0530 SI-FEC 96bd w/5LG's to Washington, Baghdad via DEPLU. (TK)

18420 MFA Prague 0830 ARQ-IRA 300 wkg Embassy Baghdad to 0915, normally sked around 1300-1330. (ANEU)

18441.3 JMJ5: Tokyo meteo, J 1143 FAX 120/576 poor signal. (RH2)

18487.9 L3A30: Norwegian MFA, Oslo 1133 TWINPLEX-1w 100bd/400 MSGs in NN to Embassy Dar Es Salaam (MC)

18496.1 CNMBO/X11: MAP News, Rabat 1508 RTTY 50bd/400 NX in Arabic (MC)

18498.7 Egyptian Embassy 1023 ARQ in IRS mode (MC)

18513.9 OZU25: Danish MFA, Copenhagen 1135 TWINPLEX-1w 100bd/400 Clg selcal "TPRQ" (no answer) (MC)

18560 BMF: Taipei Meteo TAI 0050 FAX 120/576 w/schedule; 0450 test chart (ML2)

18597.5 MFA Madrid 0915 TWINPLEX 100 wkg Embassy London to 0930. (ANEU)

18600 Unid 0530 100/850 unknown system. (EW)

18667.9 Egyptian Embassy, Madrid 1316 ARQ ATUh80 passport details to MFA Cairo (MC)

18712 BZR: Xin Hua, CHN 0945 RTTY 75/425 press nx in EE. (MS4)

18741 MFA Moscow 0709 crowd 36 encrypted (EW)

18796.6 Indonesian MFA, Djakarta 1303 RTTY 50bd/400 MSGs in II to many embassies signed "deplu jakarta" (MC)

18801.6 Indonesian MFA, Djakarta 1046 RTTY 50bd/400 MSGs relayed from Embassy New Delhi (MC)

18845 'SPK' Unknown RR Diplo station 1608 RTTY 50/554. Call up followed by 10 groups in 2 messages of 5 lgs. Link 000168. (PS)

18872.3 BZR58: XNA BEIJING 1243 RTTY 75/379 w/nx in EE. (RH2)

18912 TAD??: Turkish Embassy, Lagos 1459 FEC-100 144bd/850 MSGs in TT to MFA Ankara (MC)

18943.7 Unid: 1514 COQUELET Listed WUN logs as Algerian Emb, DAR-ES-SALAAM. (RH2)

19031.7 MFA Islamabad 1000 F7b-1 100 wkg Embassy Algiers to 1200. (ANEU)

19065.3 DOR2: MFA Sofia 0831 RTTY 150/490 5Fgs to posta Stokholm, Helzinki then nx in EE and Bulgarian to many embassies (BTA) (PB)

19108.9 Norwegian/Danish Diplo 1157 TWINPLEX-1w 100bd/400 ends "nnnn" (MC)

19216.7 RFL1: FF Fort de France 1450 ARQ-E3 96/400 lots qrn. (RT2)

19231.7 MFA Cairo 0533 ARQ msg in arabic. (EW)

19237 German Diplo? 1258 RS-ARQ 228.5bd/170 tfc (MC)

19309.6 HCBDBIUS**: UNHCR, Bujumbura 1317 PACTOR-U 100bd/200 MSGs in FF to HCSWIGE (UNHCR HQ, Geneva) (MC)

19313 HCSWIGE**: UNHCR, Geneva 1521 PACTOR-U 200bd/200 MSGs in EE to Ethiopia (MC)

19356.8 Nigerian Embassy, Kinshasa 1350 FEC-100 96bd/750 5LGs and opchat in EE to MFA Lagos. Nigerian MFA, Lagos 1345 FEC-100 96bd/850 Opchat in EE to Kinshasa signed "foreign bgy" (MC)

19365.3 DOR2: MFA Sofia 0829 RTTY 150/490 ry's + ID, zal 19065 and go to that freq. (PB)

19400 VVD69: Delhi meteo 0718 50/170 wx reports. (EW) VVD: Delhi Meteo, India 1100 RTTY/170 wx code. (MS4)

19519.1 Unid: 1125 mode? 75/142 unable to decode. (RH2)

19693 UGC: St. Petersburg Radio 0822 ARQ w/CW-marker (PB)

19807.9 Danish/Norwegian E 1234 TWINPLEX-1w 100bd/400 ends "ar ar ar" (MC)

20475 GYU: Royal Navy, Gibraltar 1456 RTTY 75bd/850 "de gyu test tape the quick brown fox..." (MC)

20600 MKK: RAF London 0800 RTTY 75/850 ry's ended w/vmgtcnjbh (PB)

20933.5 SOV293B: PAP News, Warsaw 1400 FEC Polish NX in SBRs mode (MC)

20950 Unid 1120 ARQ-E? 192/170 lotsa noise but nil on screen! (RH2)

21807.5 YOV28: ROMPRES Bucharest 0750 RTTY 50/510 nx in EE (PB)

22861.5 Unid: 1404 RTTY 100/850 w/5LG's being sent. (RB)

=MARITIME=

2055 Unid 1252 USB Scottish voices using very strong language. Any
2182 VAU: Yarmouth CG Radio, NS, CAN 0540 USB w/ann, for MIB "listen 2749". (RB)

2311 Arklow Venturer 2229 USB bound Dublin, talking to sister ship off Latvia. This freq is used by Arklow Shipping (on Irish East Coast) to call their entire fleet at 0715, 1115, 1515 & 1915z daily. (AO)

3000 Dutch Fisherman 2035 USB posn rep. in Dutch. (PB)

4032 Maritime 2145 USB Illegal maritime net in greek. (CK)

4149 ZMH253: 0715 USB NZ fishing boat net w/kg various boats. (AB3)

4285 VCS: Halifax CG 0815 CW mkr (AB3)

5796 Unid vsl 0822 USB clg PJY Bora Bora, no joy. (AW)

8252 SYXB: MV POLYKRATIS 2227 USB w/kg WLO for R/T tfc. (DW)

8279 9HML3: MV CRIMSON KING 0111 USB w/kg Doha Radio re R/T tfc to Delhi, India. (DW)

9828 WBN6511: GAUNTLET 0508 USB clg Jacksonville. WBN5040: PIONEER 0538 USB w/kg Jacksonville, QTH: 3515N 07316.45W, course 215, speed 9.1, ETA 291800. WBN6511: GAUNTLET 0541 USB w/kg WBN5040: PIONEER, w/chat voyage & third ship named GLADIATOR. (DW) (all are Crowley Tug's w/kg WPE Jacksonville -LOGS) WYP4486: UNID TUG 0102 USB OM/EE w/kg WPE, off Stock (?) 1415, sea buoy at 1705. (DW)

1298 WV93349: CALEDONIA 0536 USB w/kg WBE4858 ? OREGON. Unable to get first word of each ID. (DW)

1480 UKWU: TKH CHALA 0650 CW msg to "RDO PTRZ" via UBO3 from Km Paskabhev & from radio officer to TKH NEFTERUDOVOZ 47 (UOYA) to arrange QSO on 4234 or 6224. (HOOD)

2179 9HSQ3: M/V KORDUN 0707 CW for Genoa. (HOOD)

2860 UYXP: TKH NADEZHDHA 1804 CW msg to UBF2. This is a sea-river cargo
vsl, c/s was changed by ITU to UAWB but still using old call. (HOOD)

8471 6LHY: 77 Gae Yang 1159 CW tfc. (AB2)

8495.5 CLA: HAVANA RADIO 0228 CW tfc list. (DW2)

8500 UON: BAKU RADIO 1818 CW tfc to 4JIM: TKH MUGAN (ex UVEM, BERDY KERBABAYEV). (HOOD)

8515 5AT: TRIPOLI RADIO 1826 CW Marker "vvv cq de 5AT". (DW)

8570 UBO3: PETROZAVODSK RADIO 1415 CW tfc to UBCX: TKH VOLGO-BALT 150 and UNPD: TKH VOLGO-BALT 203. (HOOD)

8678 SVA4: ATHENS RADIO 1204 CW QTC list. At 1843 CW Marker "de SVA press as" then press in Greek at 22wpm. (DW)

8705 PKC: Palembang Indonesia 1159 CW mkr (AB3)

8706 JOS: NAGASAKI RADIO 2115 CW Marker "cq de JOS qxs 8 mh k". Wkg unid ship - qru's. (DW)

8740 OXZ: Lyngby Radio, DEN 0107 USB w/voice marker, musical notes, YL w/"This is Lyngby in EE" in DE (new one for me). (RB)

8749 VIM: Melbourne radio 0205 USB general call to all ships. (AW)

8780 UUI: ODESSA FISHERIES RADIO 1200 CW Marker "OUI 02/25/27/30 MHz k". (HOOD)

9053 JYO: JYO Radio Jordan 1554 CW qmr de JYO qxs 8/12 gcc 9 3 4 k (PB)

9054 UUI: ODESSA FISHERIES RADIO 1200 CW Marker "OUI 02/25/27/30 MHz k". (HOOD)

9103 CLA: Havana Radio, Cuba 1805 CW qmr de CLA c/3 8368/12552/16736 qsw CLA 20/32/41/50 MHz qrj c/1221 k". (DW)

12447 UGWE: TKH AMUR 2506 0657 CW admin from Km Vlasov to UBO3. (HOOD)

12673.5 CLA3: HAVANA RADIO 2245 CW Marker "CQ de CLA c/3 8368/12552/16736 qsw CLA 20/32/41/50 MHz qrj c/1221 k". (DW)

12997.5 UUI: ODESSA FISHERIES RADIO 1200 CW Marker "OUI 02/25/27/30 MHz k". (HOOD)

13089 UUI: ODESSA FISHERIES RADIO 1200 CW Marker "OUI 02/25/27/30 MHz k". (HOOD)

13098 CLA: Havana Radio, Cuba 1805 CW qmr de CLA c/3 8368/12552/16736 qsw CLA 20/32/41/50 MHz qrj c/1221 k". (DW)

13185 4XO: JYO Radio Jordan 1554 CW qmr de JYO qxs 8/12 gcc 9 3 4 k (PB)

13505 UTQ7: Kiev R, UKR 1518 CW qmr. (pcG)

13510 SVA6: ATHENS RADIO 1245 CW ship press. 22wpm. (DW)

13513 UUI: ODESSA FISHERIES RADIO 1200 CW Marker "OUI 02/25/27/30 MHz k". (HOOD)

13518 4XO: HAIFA RADIO 1820 USB wkg M/V ZIM AFRICA for pp. (HOOD)

13523 4XO: JYO Radio Jordan 1554 CW qmr de JYO qxs 8/12 gcc 9 3 4 k (PB)

16619 9HSG4?: M/V Pretty Lady 1245 CW w/derust, paint, progress report. (TD2)

17094.8 SV6G: ATHENS RADIO 1200 CW Marker "de SVA qtc list as" then list. At 1857 Greek ship press at 22wpm. (DW)
17135  UTQ7: KIEV RADIO 1114 CW ID marker and QSX 8341/12436/16639. (HOOD)
17147  URL: SEVASTOPOL RADIO 1118 CW crew TGs to UZVX: MYS SARYCH (ex UJDC)
 & UYKO: INKERMAN (ex MYS KHRUSTALNY, UNLY). Both vsls are fishing
fleet replenishment tankers for the YUGRYBA fleet. (HOOD)
17163  ZSC: Cape Town Radio 1711 CW 'cq de ZSC' (PB)
17198  PCH60: Scheveningen Radio, Netherlands 1500 CW marker "DE PCH60
(wait)". (CG2)
17213  SPH81: Gdynia Radio 1009 CW qsx 12 and 16 MHz (PB)
17284  CUL: Lisbon Radio, POR 1955 USB pp in Portuguese. (CG2)
17287  DAJ: Norddeich Rdo, GER 1621 USB wkg unid vsl in EE, req he QSY to
Ch. 1639, then in response to vsl passes both freqs "you listen
17356, you transmit 16474". (RB)
18991  SPW: Warsaw Radio 0915 CW de SPW qsx 16799 (PB)
18993  SPW: Warsaw radio 0712 cw station marker (EW)

=MILITARY=
2576  NATO Northern Lights & Bright Horizon exercise 2130 USB to the north
of the UK. (P33)
2815  IDR8: Italian Navy, Rome, I 2043 CW v mkr. (pcG)
3143  BACKBITE 0533 USB wkg NIGHTWATCH 01, w/this freq found to be ZULU
115. (JH)
3360  TBH3: unid Turkish Navy station 1910 CW marker. (CK) (reported as
Golcuk -LOGS)
3772  P: Channelmarker 'P' Kaliningrad 2244 CW & encrypted tfc in CW.(PB)
3885  AIRCENT Off-shore coordination freq 0930 USB active with several
NAVY-Units wkg GALLEY (USAFE 606ACS on dep. in Denmark) & WINDSHIELD
(ICAOC 1 Finderup Denmark). (GD3)
3900  NATO AWACS MAGIC HF communications network UTC? USB. (GD3)
4000  Navy link-coordination UTC? Mode? (UK). (TF)
4035  AAT5MR: USAF MARS 1640 LSB w/USAF MARS traffic net. (RB)
4100  C2M (UK-accent) UTC? USB on this freq, off-shore coordination freq
for Norwegian CRC SCEPTIC. (GD3)
4145  DELTA-6-KILO wkg ZULU-0-YANKEE & many others. Coordinating fire
control & data traffic. EXERCISE UNITAS? USN/USMC type chatter. (JJ)
4154  DRAK: Mecklenburg-Vorpommern 0600 USB Wkg DHJ59. DRAI: Schleswig-
Holstein 2136 USB Wkg DHJ59. (IB)
4260  TBA2: Ankara Naval, TURKEY 0050 CW marker "vvv vvv vvv E TBA/2/3/5 T
13 A". (CG2)
4472  RAF TLOG 0655 USB wkg MOLASSES. "Roger BRAVO BRAVO. This is CHARLIE
WHISKEY". NIGHTWATCH 01 0952 USB wkg WAR46 for a signal check. At
1100z, NIGHTWATCH 01 wkg WAR46 for a signal check. NIGHTWATCH 01 0518
USB wkg WORKOUT. (JH) NIGHTWATCH 01 0100 USB wkg WAR 46 & others.
(JJ)
4495  RAREFIND 0640 USB wkg NIGHTWATCH 01. THEOLOGY 0629 USB wkg NIGHTWATCH
01 & entered the net. This freq was set as THEOLOGY's primary freq.
NIGHTWATCH 01 0521 USB wkg WORKOUT. NIGHTWATCH 01 also adv WORKOUT
that RAMSHEAD & PORTABLE were in the net, but he has had negative
comms w/them over the past 4 hours. (In other words, they are long
gone.) NIGHTWATCH 01 0556 USB wkg BACKBITE, & made this freq
BACKBITE's primary net freq. No other players in the net. At 0928z,
NIGHTWATCH 01 clg BACKBITE, with no response. (JH)
4601  RED THUNDER 64: 8, Ohio CAP 2226 USB wkg unid RED THUNDER c/s, then
adv "back to primary" (note chg from BLACKHAWK). (RB)
4602  BLUE MOUND 556: Wisconsin CAP 1333 USB closing the net. RED THUNDER
648, Ohio CAP 2234 USB as NCS of the Ohio Wing HF Net, w/ann of
exercise to take place Sept.13 2300z on 4582, then closes net at
2236. (RB)
4627  WILDWOOD 26: Arkansas CAP, NCS 0050 USB w/3rd call for Arkansas net
check in, ann is monitoring the freq, bad QRM from a Link-11 signal
nearby. (RB)
4703  Danish Airforce, Aalburg UTC? USB. (GD3)
4703  (Ch. M72) is in use by Ground Stations wkg w/an EC-135 operating from
Mildenhall. Other freq used is 15018.5 and a freq starting w/90..!
Callsigns including: MIND SPY, MYSTERY SHIP, CLEAN TABLE, PINK TIGER.
For WUN'ers in NW-Europe the EC135 is also on 389.5 (DL) & 324.0 (UL)
in WFM, callword MASTERPIECE has a DSN-number starting with 433 which

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is USECOM HQ EU COM. MINT SPY 1300 USB giving flash traffic an 89 items EAM which was starting with "XXOLXYMO...XXOLXYMO.. stand by message follows..XXOLXYMO etc...", probable EC-135 a/c. (GD3)

4730 MKL: RAF 1900 CW aero meteo. (CK)

4742 RAF 0931 USB Voice reading out different airfields e.g. Leon-white, Palermo-white. ASCOT 4900 0934 USB clg Architect (Selcal AJ-FM). (AO)

CWL: 1830 USB wkg Architect who reported monitoring 4540 but heard nothing from them. ASCOT 4912: 0930 USB wkg Architect, enrt EGYC to LIED, selcal ck AK-DM. ASCOT 4940: 0931 USB wkg Architect, enrt Lyneham to LFSD. selcal ck AH-KL. ASCOT 4954: 0945 USB wkg Architect, failed selcal ck AK-CJ, said they would re-contact when in air. GOLD 84: 1440 USB wkg Architect w/ selcal ck AK-BD. (CH) ASCOT 5448 2210 USB RAF C-130 "XV-202", selcal AJ-DE, wk "Architect", on its way to LTAG. M-17: 2110 CW 20 SPG's for id 66323. (CK) CML86 1444 USB Req pp to Cranwell 6166. ARGUS ONE 1445 USB "On long final, closing down on landing". (JM3) D5X 0947 USB req wx for EGQL (Leuchars) via Architect. 3BL 1231 USB req wx for EGQL via Architect. 3CU 1255 USB r/c with Architect. (JS3)

4745 RESURFACE 1356 USB wkg NIGHTWATCH 01. BACKBITE 0513 USB clg NW 01, then any station this net. At 0522z, BACKBITE clg NW01, w/no response. At 0545z, BACKBITE wkg NW 01. BACKBITE entered the net at 0515z. NW01 then moved them to ZULU 115, found to be 3143. (JH)

4747.5 JWT: Norwegian AF UTC? Mode? (TF)

4914.5 FDG: FAF Bordeaux, F 0807 CW v mkr. (pCG)

4925.5 FDE14: Unid FAF, F 2032 CW v mkr. (pCG)

4959.5 BALDWIN CONTROL, NORAD HIROCC (Hawaiian Regional Operations Control Center) UTC? USB wkg HOKU 61 w/rdo ck's after QSY from 364.2 AICC, also HOKU 51 on the net advising BALDWIN CTL he was reading him 2 by. (EA)

5026 NIGHTWATCH 01 1116 USB wkg STARDAY (sounds like). Heavy swbc qrm from 5025, as always. Self-id'd the freq as ZULU 140. (JH)

5142.6 J9Z: aka CG 6016 (HH-60J) 0606 USB clg Coast Guard Station Port Canaveral, FL, NMA12, no joy, but CG 41319 (USCG 41 foot utility boat) ans, will attempt to contact NMA12 for proper frequency for "LANT 6". CG 41319: USCG 41 footer 0636 USB wkg CG 41329 re awaiting 6016, later Station Port Canaveral, FL, NMA12 up here w/poss fisheries patrol comms. (RB) J9Z: USCG 6016 HH-60J 0740 USB wkg 41319, USCG 41' boat. The ? is in the water at 2838.14N 08004.50W, course 180, speed 3 Kts. Continuing through 0800, units seem to be doing some sort of fisheries patrol. J9Z is reporting on various fishing boats that he sights in the water, most are shrimpers. (Dw2)

5203.5 M9K as NCS 1256 USB conducting a roll call, approx 21 stations in net, to 1312. Possible USNG or US Army. Next Wednesday at 1300, w/calls M9K (net control), X6V, G1N, N4J, G2N, B6Y, A1B, M1R, N2H, E9F, B5O, Q7I, X9P, X8L, P5C, G4V, M4Q, U3J, Y7E, X2R, I4S, D1M, L3A, & T8Z. Next Wednesday at 1300, same calls as last Wednesday, same net procedures. (JM)

5342 FDY: FAR, Orleans, F 1200 CW v mkr. (pCG)

5392 C2M UTC? USB w/tfc. SHARK 21 clg 4LV & REDCROWN. As advised SHARK 21 to contact REDCROWN on other freq. (GD3) TROUT USB w/Dutch accent, 'AS' w/us accent, and '1JA' w/an EE accent in exercise comms. (GT) NATO Northern Lights & Bright Horizon exercise 2130 USB to the north of the UK. (P33) Military exercise 1149 USB very active, "I have destroyed the ponies, but there is a strong possibility of bird strike 30NM NW my posn" (British accent). 3KJ (British) reporting echo's bearing 215 @ 7NM to C20E? (Nordic accent) - Both complaining of severe QRM. (SB2)

5470 Unid: Turkish Military 0601 USB tactical net. (CK)

5680 UK SAR 1908 USB Rescue 193 wkg Portsmouth, adv that they were leaving Penzance Hospital. (AO) RESCUE 122, 131, 128: 1105 USB wkg Kinloss Rescue. 122 stood down. 128 informed that possible police helo in area. Contact Otterburn on 299.400 (CH) Glucksburg Rescue 1303 USB r/c with unid a/c, Sveda Rescue 1304 USB tfc Ra Rescue 69. Rescue 122 1317 USB tfc Plymouth rescue. Rescue 169 1322 USB tfc Kinloss Rescue. (JS3)

5687 Airforce Auckland 0910 USB clg Airforce Sydney for radio check. (AW) GAF Munster (Ch.E) UTC? USB wkg GE3101. This GE mission callsign belongs to a/c flying from Geilenkirchen as we have similar two-letters callsigns like BU (Buchel) FF (Furstenfeldbruck) etc.,
a/c out of Geilenkrichen are likely to be AWACS also because GE3101's operator was an American. This mission is a flight over Turkey (and other countries?) for exercise "Dynamic Mix". GE3101 reported he's flying a routing w/posn reports on wx & flying FL200. DMM29 (GAF Munster) gave him an wx update on the whole routing & wx reports of the Turkish bases Eskişehir, Erzurum and Gaziantep. Back up frequencies are Ch.M (11217.0) & Ch.K (?). (GD3)

5696 RESCUE 6014: 0014 USB wkg Camslant Chesapeake w/posn rep. 4122N 72__W.

Also heard 6001 and 6034 giving posn rep (CH) Rescue 6002 0153 USB wkg Camslant Chesapeake Bay, (IRC) NMM: USCG CAMSLANT Chesapeake, VA 0234 USB sending in the blind to PANTHER 200 (DEA facility), req they att to contact 6031 (31c?). Rescue 6042: USCG HH-60J 0308 USB wkg NMM, req radio guard, airborne from AirSta E-City ent/Pamlico Sound for PIW (Person In Water).

NOY8: USCG Group Corpus Christi, TX 0501 USB wkg RESCUE 2118 w/posn 2830N/9408W. NOY: USCG Group Galveston, TX 0530 USB clg CG 6512, no joy. NOY8: USCG Group Corpus Christi, TX 0548 USB wkg RESCUE 2103 w/status. NMM: USCG Group Astoria, OR 0605 USB wkg unid "Coast Guard" a/c re status. NMA10: USCG Group Mayport, FL 0638 USB clg 6032 no joy, NMM then calls, 6032 passes flight op's normal. NMM: USCG CAMSLANT Chesapeake, VA 1831 USB wkg 'Viking Charlie' for flight op's, VC then secures radio guard. (RB) USCG Group Galveston, TX 0532 USN wkg USC CG 6034 (HU-25A), 2103 reported its posn as 2755N, 0935W, orbiting over "the platform" while 6512 (HH-65) was refueling. BM896: USN AIRCRAFT (?) 0625 USB wkg USCG ComSta Kodiak, AL; posn 5155N 16312W. CG 6518: USCG HH-65A DOLPHIN 0716 USB wkg Kodiak ComSta, posn 5329N 16742W. RESCUE 1503: USCG HHh60J 0559 USB wkg Camslant Chesapeake to accept radio guard, homeplate CGAS Clearwater, 4 POB, ent/Jacksonville, Group Mayport. CAMSLANT: USCG COMSTA CHESAPEAKE VA 0205 USB clg 6034: USCG HH-60J, no joy. CAMSPAC: USCG POINT REYES CA 0211 USB clg 6034: USCG HH-60J, no joy also. (DW2)

5705 BIGBURLY 1409 USB clg NIGHTWATCH 01 but raised FARMBOY; FARMBOY enters BIGBURLY into the net at 1412Z. RAREFIND 0638 USB wkg NIGHTWATCH 01. AWARENESS 1620 USB clg NIGHTWATCH 01. WAR46 0022 USB wkg NIGHTWATCH 01 (at the same time, NIGHTWATCH 01 was also wkg ORANGEADE on 9016). At 0136Z, NIGHTWATCH ONE clg WAR46 w/no response. MAFF 1030 USB wkg watchdog 92, reporting normal operation. (AO)

5709 Voice-tell & link-coordination freq UTC? USB used in Northern North Sea for an exercise and not in the Mediterranean. ORCA 77 UTC? USB w/tfc. (GD3) Military exercise 2130 USB w/callsigns heard: F5J, U8A, SSM, 1JA, & 3CW, 3CW being very strong U.S. station, U8A (English accent) told F5J (French accent) to try XBH for messages. (DT) NATO Northern Lights & Bright Horizon exercise 2130 USB to the north of the UK. (P33) Military exercise 0850 USB onwards, 13L, 2UY, 1V, 8UP, 2MN, 1NJ, 4V, & K7U, 13L told he was transmitting UX & XR by 2UY - ALL "TOLD" to use VI Codes. At 1137, 1CX was complaining about a carrier 1Khz off freq (5709) when Orca 77 was transmitting. He also req a "new playground" for the C3 that was coming in. Also heard 2BG (British) complaining of freq conflict and asking for 3 megger.

Topics seem to be nearly always Radar/Communications. (SB2)

5724.5 BRAVO FOXTROT: USN/NATO 0631 USB wkg F4X w/link 11 coordination, passes list of units in the poll responding by trigraph callsign. (RB)

5800 PROMPTER: 0702 USB wkg NIGHTWATCH for radio ck on Z150. After establishing comms, suggested radio ck on Z160 (6715). Shortly thereafter, PROMPTER returned to Z150 clg NW, while NW answered on Z160. At 0706, QSY'd to Z205 (11494) for radio ck. At 0710, QSY'd to Z175 (9016). NIGHTWATCH: 0724 USB clg WAR46 on Z150, no joy. (Dw2) GLASSFULL 0524 USB wkg NIGHTWATCH 01. RAREFIND 0637 USB wkg NW 01. THEOLOGY 0624 USB wkg NIGHTWATCH 01. BACKBITE 0554 USB clg NIGHTWATCH 01. (JH) NIGHTWATCH 01: 0431 USB wkg WAR46 w/rdo cks "on Z150". (RB)

6020 Alley Cat Base 1351 USB & two other stations (Alley Cat Deployed?). Too much static, but possibly US Army. (JM)
NATO Northern Lights & Bright Horizon exercise 2130 USB to the north of the UK. (P33)

NMN: Camslant Chesapeake 1010 clg "Bravo 36" for voice check. He broke in on NRV Guam having a long wx bulletin since 0930. (AW)

SPAR 65: 1130 USB wkq Andrews, rdo ck (CH)

Royal Navy, Portland 1035 USB clg 4U4L. (AO)

BLOWFUSE 0410 USB wkq BOOMTOWN in voice & data. (JH)

HMCS Provider 0030 USB wkq HALIFAX MILITARY requesting rdo ck. HMCS Provider is a replenishment ship and has been transferred here from the Canadian west coast naval port at Esquimalt, BC. (CM)

MKL: RAF Pitreavie Castle 1837 USB transmitting TAF messages to KXN for EGQS, EGVN and ENZV. (ANEE)

CONSTRUCT 0939 USB wkg Croughton QSY 9057, 7927, data traffic, no good, Croughton doesn't receive data from Construct, when Croughton sends to Construct the latter even claim they are not hearing a data audio signal either, which must have been their problem, it was loud & clear here, as were both voice stations. Later tried Lajes (not heard). 1008 11175 pp DSN 236-8256 or 8356 (no answer both). I have DSN 236 listed as Croughton themselves... (BH) ANDREWS 0630 USB w/3 EAM strings at ANDREWS post-0600z h+30 "repeat" EAM transmission time. ANDREWS was having some equipment problems. (JH) EAM from McClellan 0105 USB (LB2) Cotam 3200 0900 USB to Istres, 1 EVASAN on board. (JP2)

RAREFIND 0639 USB wkq NIGHTWATCH 01. BACKBITE 0550 USB clg NIGHTWATCH 01, w/no response heard. (JH)

SAM 26000 0200 USB wkq Andrews VIP for Sarajevo wx conditions at 08XXz (lost the last two digits in the QRN). Also checked 11056.0 (Fair-readable) and 13247.0 (unheard). (JJ)

ANDREWS 0141 USB wkq AIRFORCE TWO w/pp to SAM COMMAND. ETA 0210z at "home station". (JH) IDR: Italian Navy UTC? MODE? (TF)

LAJES 0538 USB w/a brief "test". (JH)

SPAR 66: 0150 USB wkq Thule w/pp __ metro. Told to go to 8964 for Andrews (CH) ARCHITECT 0103 USB w/the hourly wx review for RAF bases. (IRC) GLOSSFULL 0327 USB wkq THULE w/pp to NIGHTWATCH 01. MCCLELLAN 0543 USB w/a 20/20/26 character EAM set over a 10 minute period. At 0541z, ELEMENDORF was up w/20/20/26 subset of the 20/20/26 set; interestingly enough at the "old" h+41 "repeat" EAM transmission time, instead on the apparent "new" time of h+40. The h+41 minutestamp was used in later transmissions as well over a few days. AUTOSHOP 0417 USB wkq THULE, getting NIGHTWATCH 01 wkq frequencies. At 0421z, ELEMENDORF w/26-character EAM that had followed the 6-character EAM of 0401z, at ELEMENDORF's h+21 "repeat" EAM transmission time; followed at 0441z w/same string at ELEMENDORF's "old" "repeat" time. At 0439z, RELEGATE clg MAINSAIL and raised HICKAM for signal check. At 0512z, HICKAM w/a FOXTROT broadcast, followed almost immediately with ELEMENDORF clg HICKAM w/no response. Within a moment ELEMENDORF was up w/his FOXTROT broadcast. At 0533z, RELEGATE was up clg MAINSAIL; raising MACDILL for a signal check. At 0615z, AUTOSHOP wkq HICKAM w/pp to a common DSN 339 number ("OPCON"). Looking for some parts & what location out of three he was to go to. OPCON adv him that a TACAMO OPS was on it's way to him with info. OFFUTT 0222 USB w/78-character EAM: PDCKJF... OFFUTT w/EAMS at 0235z, 0259z, 0340z, and 0346z. At 0521z, ELEMENDORF broadcast the 0259z and the 0346z strings at ELEMENDORF's h+21 "repeat" EAM transmission time. At 0534z, OFFUTT was up w/6 (3M2HQE)/20/26 character EAM set over a 12 minute period. (At 0541z, ELEMENDORF was up with the 0521z "repeat" EAM strings between this 6/20/26 character set). ELEMENDORF 0521 USB w/26-character EAM at 0521z & 0540z, ELEMENDORF's h+21 and h+40 (back to "normal") "repeat" EAM transmission times. At 0546z, OFFUTT was up with a new 26-character set, duelling with HICKAM's transmission of same. Near the end, HICKAM stopped his reading in mid-string, starting where he left off in sync with OFFUTT's broadcast of same. OFFUTT 0338 USB w/20-character EAM "FOR TACAMO LANT PRIMARY", at common h+38 minutestamp for these things. MACDILL 0440 USB (preceding OFFUTT) w/a 126-character (+/-) EAM (PKNSNJ..), and as with some other previous MACDILL transmissions, the opr read the first run-through in 6-character blocks. 8AJ 0125 USB clg MAINSAIL, then "any station this
net" periodically without raising anyone. At 0514z ELMENDORF initiating a FOXTROT broadcast prefaced with ENLIST, echoed by non-CONUS stations. SHUCK 81 0416 USB wkg THULE w/pp to MILDENHAL wx, getting weather for what sounded like a location in Norway, w/an ETA of 0900z+. At 0509z, LAJES (broken comms, as always) w/an "all frequency request" for SHUCK 61, w/no response. At 0537z GUNMETAL clg MAINSAIL with no response (he eventually ended up on 8968).

ARCHITECT 0522 USB (female opr) wkg TWO BRAVO NOVEMBER. ANDREWS, 0044 USB as lead GHFS station, w/26-character EAMs at 0044z & 0145z. At 0109z, LAJES (broken comms, as always) w/an "all frequency request" for SHUCK 61, w/no response & gone. At 0132z RAREBIRD clg MAINSAIL, w/no response. At 0328z, FORCE 54 (sounds like) wkg MACDILL w/pp to HILDA EAST. He was looking for status for "his receivers" LOOK 98 (id'd as out of the "55th Wing") & SAME 40 (id'd as "from 625th MATS"). He was being told (often) that LOOK 98 was cancelled (and had been since Friday - this was Monday night local) and that they (including TACC) had no record of a refuelling mission for SAME 40. While FORCE 54 (sometimes id'd by HILDA EAST as REACH 54) "orbited track 206" looking for nonexistent receivers, he got updates from the MACDILL opr on the Monday night U.S. football score. At 0347z KEYRING clg MACDILL "with request"; then MAINSAIL, w/no response & gone. GOLD 81 0328 USB clg MAINSAIL. MCCLELLAN,1403 USB as lead GHFS station, with 41-character EAM "FIXCHH..." An hour or so later, ANDREWS was the lead GHFS station with various 20/26 character EI... EAMs. SPLENDID 1331 USB clg NIGHTWATCH 01, then clg MAINSAIL, with nothing heard and gone. BACKBITE 0507 USB clg MAINSAIL and raised ELMENDORF, w/req for NIGHTWATCH 01 wkg freqs: Z165/Z135. At 0519z, LAJES ("broken" transmission) with FOXTROT broadcast. At 0532z and 0538z, MCCLELLAN as lead GHFS station, w/26-character EAMs, w/both strings used at 0542z by ELMENDORF. At 0548z, BACKBITE back up wkg MCCLELLAN, still attempting to get good wkg freqs for NIGHTWATCH 01: Z165/Z160. (JH) TEAL 44: WC-130 53rd Wx Recon Sqd (AFRES), Kessler AFB, Ms 0538z USB clg MAINSAIL, no joy here. (RB) OFFUTT 0822 USB 20 character EAM for "M2ZJHR." Echoed by MacDill & Hickam. PEARL 90: KC-135 0827 USB wkg Hickam for pp (DW2)

6757 SHIPWRECK 0230 USB working CARDGAME and NIGHTWATCH. (CM) DECKBOAT 0445 USB wkg BLOWFUSE, with "t-quad" activity. At the top of the minute, BLOWFUSE to DECKBOAT: "the time will be 4 hours, 4 minutes coordinated TACAMO time." A moment or so later, the phrase was "the time will be 4 hours, 4 minutes TANGO BRAVO time." Then a comment from DECKBOAT that the ",delay is not acting correctly", & into ANDVT comms. At 0538z,NIGHTWATCH 01 w/a 26-char EAM,At 0541z,DECKBOAT wkg NIGHTWATCH 01 & exited the net. RAREFIND 0639 USB wkg NIGHTWATCH 01. CARDGAME 2050 USB wkg NIGHTWATCH 01. NW 01 1401 USB wkg NIGHTWATCH 01, & asked NW02 if he wanted to enter the net. At 1550z, TESTPLUG clg NIGHTWATCH 01, which was answered by PORTABLE, who advised TESTPLUG was monitor only. PORTABLE then had TESTPLUG enter INTO the net. PORTABLE was advised that "3MBHT7" was "in the queue". Also in the net SANDHILL; REARDOOR; ___WOOD. BLUEEYES 1520 USB clg "any station this net", and raised ROOMRENT. At 2216z, BLUEEYES exited the net in-the-blind. As seems to be the case for all these in-the-blind calls, the authentication character given out is 2-characters, not 3 (they seem to only use 3-character authenticators when they are actually wkg each other.) At 2248z, NIGHTWATCH 01 w/26-character EAM, simulcasting on 6757.0 and 9016.0. At completion of the string, he clg BLUEEYES, with no response (he must not have heard the player exit the net.) At 2253z, NIGHTWATCH 01 with another EAM string. AFFLUENCE 1600 USB clg NIGHTWATCH 01. At 1608z, AFFLUENCE wkg SKIBOOT. At 1614z, HEDGEROW w/a 26-character EAM. At 1800z, NW 01 wkg HEDGEROW for signal check, & moved to ZULU 175. AWARENESS 1625 USB clg NIGHTWATCH 01. VACINATE 0118 USB wkg NW 01. (JH)

6761 EXECUTIVE 1 FOXTROT 0445 USB wkg Andrews VIP w/pp traffic. Reported: Departed Dallas 0210z. ETA home station (JJ)
6859.5 FDC: FAF Metz, F 1450 CW v mkr. (pcG)
6875 FD18: FAF unid loc, F 1455 CW mkr. (pcG)
6936 RMP: RUS-NY Kaliningrad, KAL 1645 CW WX reports to REO. (ANEE)
6936 RMP: Kaliningrad Naval, RUS 1630 CW wx forecast in RR addressed to REO. (JD2)
6993 SAM 681 1414 USB wkg ANDREWS. (JH)
6996 US MARS stn 1100 USB clg "Alfa Bravo 8 Uniform". (A)
7535 NDKH: USS Merramack (AO-179) 1312 USB wkg SESEF Norfolk w/RF radio tests. GUNSLINGER: Unid 1350 USB wkg SESEF w/RF testing. NTSG: USS Thomas S. Gates (CG-51) 1505 USB wkg SESEF w/xmtr testers, Gates is a Ticonderoga-class Aegis missile cruiser. NJPX: USS Nassau (LHA-4) 1650 USB w/text of transmitter #8. NACK: USS Concord (AFS-5) 1701 USB w/r/do ck, req SESEF support for test of 1 xmt, then goes through all modes in record time! NNTR: nuclear Nimitz-class carrier USS Theodore Roosevelt (CVN-71) 1749 USB w/RF transmitter testing up to xmt #3, SESEF Norfolk having hard time hearing the carrier, at 1752 SESEF Mayport takes over the testing. This seems to confirm Mayport is a new SESEF (RB) facility. (RB)
7536.5 HOPPER 21: U.S. Navy LCACh21 1528 USB clg AC4, Assault Craft Unit 4, Little Creek, Va, re is inbound early. HOPPER 13: U.S. Navy LCAC-13 2047 USB clg AC4, no joy. (RB)
7722.5 FDI22: FAF, unid loc, F 1205 CW mkr. (pcG)
7831 NIGHTWATCH 01 1157 USB wkg SLIPHORN who enters the net. NW 01 0524 USB wkg GLASSFULL. At 0526z, GLASSFULL w/EAM to NW 01. At 0923z, OVERSLEEP wkg NW 01 on what OVERSLEEP clg "seven eight three one". DUTCHBOY 1821 USB wkg NW 01. RAREFIND 0644 USB wkg NW 01. At 0701z, a very weak station was up on freq with a 68-character PD... EAM, which was heard at 0708z on GHFS (PDXNGD.), and which was then broadcast on 7831 at 0712z by RAREFIND. OVERREACH 0529 USB wkg NW 01. SLOWBALL 1820 USB wkg ABSTAINER w/reg to move to "11181" for a data check. At 2150z, NW 01 wkg UPSTAIR/UPSTAND (could not make out the call.) At 2219z NW 01 wkg ABANDON. At 2353z, wkg TEUTONIC. (JH) NIGHTWATCH 01: 0430 USB wkg WAR46 w/rdo cks "on z170". NIGHTWATCH: 2214 USB wkg TEUTONIC, who authenticates into the net on z170. (RB)
7845 Unid: USCG? 0323 USB w/ANDVT tfc (aka 'Navy Green'), this is reported to be USCG's 3E12. (RB)
7962.5 FLIGHT (or RIGHT) ALPHA 0510 USB wkg FLIGHT BRAVO for data comms. Sounds very much like the USN "DURANT" type comms which use to be semi-common, however this group is not using duplex comms as was standard for "DURANT." (JJ)
7980 NSY: USAF Sigonella, Sicily 0745 ISB voice on LSB, VFT on USB; wkg A30. (JD2)
8032 Andrews 2320 USB clg SAM 27000 for radio check (TB)
8040 VENUS 77 0330 USB on approach 10 minutes from McChord AFB wkg Andrews VIP for prefreqs. for 130025z: F-117, F-752, and F-365. 1926z previously they worked 11220.0, 11214.0 (USB & LSB) and 11460.0 (JJ)
8092 A30: USAF Incirlik, TUR 1615 ISB voice on LSB, VFT on USB; wkg NSY on 8127.5. (JD2)
8122 VLRD: HMAS Townsville (Australian Navy patrol vsl) 1414 USB w/tfc for Darwin Control. (AB2) HMAS BENDIGO: FREMANTLE-CLASS PATROL CRAFT 211 0626 USB wkg Canberra Control. Canberra has 1 immediate msg & 3 routine msgs for same. (DW2) HMAS Fremantle 0908 USB Royal Australian Navy patrol boat, wkg Canberra Control relaying info for Darwin Control. HMAS Gladstone 0920 USB Royal Australian Navy patrol boat, wkg Canberra Control relaying info for Darwin Control. (RA)
8127.5 NSY: USAF Sigonella, Sicily 1615 ISB voice on LSB, VFT on USB; wkg A30 on 8092. (JD2)
8335.5 DRDR: U-24 1906 USB wkg DHJ59 w/r-chk. DRAH: FGS Brandenburg 0904 USB wkg DHJ59. DRHJ: Elbe 1150 USB wkg DHJ59. DRHN: Main 1752 USB wkg DHJ59. (1B)
8964 SPAR 66: 0151 USB wkg Andrews, trying for a 9meg freq, after an antenna swop w/Ascension, Andrews would meet them on F505 [9006] (CH)
8968 REACH 22: 2252 USB wkg Lajes w/pp Rota cp. DANDY DAN: 1440 USB clg M'sail, no joy (CH) Thule 0109 USB wkg unid w/pp to Charleston Cmd Post & Metro, checking on customs, coming from Port a Prince Haiti. REACH 0017 0138 USB clg Thule, at 2155 wkg same w/pp Pope Meteo.
WUN-V02

Unid station (maybe OVERREACH) 0516 USB wkg ELMENDORF, getting NIGHTWATCH wkg freqs: Z175/Z205 (high for this time of local night). GUNMETAL 0546 USB wkg LAJES w/pp to NIGHTWATCH 01 to get net wkg freqs. He also received the "current traffic" via the patch. (JH) EAM from Offutt 0047 USB (LB2) TwoTimer 2143 USB calls mainsail & answered by Andrews, requests nightwatch freqs GHFS advised Primary Z175, secondary Z220. (Kw2) MUSIC 68: C-130 11th ALW, TN ANG, at Nashville Metro Apt, Nashville, TN, 1426 USB wkg Andrews GHFS w/pp MINUTEMAN (Op's CenterAir Nat'l Guard Bureau, Andrews AFB) re departed Tyndal AFB at 1400z. LOOK 81: 7th ACCS/55th wing, Offutt AFB, NE, EC-135C LOOKing Glass a/c 2029 USB wkg Offutt GHFS, w/pp RAYMOND 21 (Offutt AFB) re reporting a 'dropped object' from the antenna; drogue fell prior to the antenna being secured, notify LOOK 01, passes approx loc & is now out of orbit for AR. GASER 93: HC-130/N/P "Combat Shadow", 9th SOS, Eglin AFB, FL 2218 USB wkg Offutt GHFS w/pp unid meteo. (RB)

8971 K9B: 2245 USB clg V8F (CH) INDIA 8 DELTA 0240 USB wkg FOXTROT 4 PAPA. F4P adv will contact your station when airborne enrt yours. IBD replies rgr stbying by this frequency. (EA) ORCA 76 1900 USB wkg EIN giving on station-time etc. Assume this is US-NAVY, either in the Adriatic or Mediterranean. (GD3) Uniform 55 0133 USB wkg/Control at Guantanamo Bay Securing the guard. (that's a first! -LOGS) Ghost 02 0135 USB wkg/Blue Star. Ghost 02 0144 USB wkg/Blue Star in the red (LB2) SCREWTOP 2310 USB asking for on-station time for GULF in the morning...said to ask BLUESTAR who GULF didn't have comms with. BRAVO reported on deck time of minus decimal 3-0. (TB)

8972 A1534 0915 USB (selcal AF-DG) to Sarajevo. (JP2)

8974 Airforce Sydney, Airforce Brisbane and Airforce Perth 0930 USB wkg each other for radio checks. (AW) AIR FORCE SYDNEY: RAAF 0616 USB wkg unid a/c: ?h654. Callword was possibly "Mariner" but was too weak to be sure. Controller passed a wx report for an unid airfield. (Dbw) KIWI 53 0828 USB was replaying traffic to Air Force Sydney via Air Force Townsville. The a/c was requested to "go to CD frequency at 0900." STRIKER 142 0838 USB wkg Air Force Perth re ETA 0950, and was told it was "free to close." (RA)

8978 TROUT 99 0345 USB wkg Andrews VIP. (JJ)

8992 MACDILL: 0442 USB w/130 character EAM, preamble: PKN5NJ. (Dbw) H8G 0112 USB wkg/Control at Guantanamo Bay Securing the guard. Controller passed a wx report for an unid airfield. (Dbw) KIWI 53 0828 USB was replaying traffic to Air Force Sydney via Air Force Townsville. The a/c was requested to "go to CD frequency at 0900." STRIKER 142 0838 USB wkg Air Force Perth re ETA 0950, and was told it was "free to close." (RA)

9006 SPAR 66: 0200 USB wkg Andrews. This was a long winded log w/Andrews trying to set up a pp to a cellphone and the US Embassy in The Congo, Central Africa. They were still at it abt 1 hr later w/no joy (CH) 0-LIMA 0330 USB wkg 0-MIKE for a radio check. 0-M then advised that the "Net" will be down for 20 min. (JJ)

9007 CANFORCE 2769 2322 USB wkg Trenton Military...switched to 11232 where Halifax replied (TB)

9011.4 KILO-2 1834 USB w/msg to MAGIC CARPET SIERRA advising that they're still on the deck. MAGIC CARPET 2301 USB wkg XRAY-ONE-HOTEL w/"ALLIGATOR" traffic. MAGIC CARPET passed 308.5 UHF freq. (JJ)

9014 JAMBO 29 HEAVY 1800 USB wkg RAYMOND 07 w/pp to BLUE MAINTENANCE, re engine oil warning problems involving all eight engines. At 1921z, TURBO 26 wkg RAYMOND 07 w/pp involving the fuelling of "two flights out of HOLLOMAN." LANDLADY 0208 USB clg NIGHTWATCH 01, trying to enter the net. At 1439z, BIRDMAN (USN) wkg NIGHTWATCH 01; at 1442z, AUTOTIRE (USN) wkg NIGHTWATCH 01. ONE 1806 USB wkg TWO: 'Visual!' GASER 21 HEAVY 1510 USB wkg "CANNON" (RAYMOND 07) w/pp. (JJ)

9016 TEARDROP 0120 USB w/EAM to NIGHTWATCH 01 re REQ-PCAR-TISHK w/pp 1110 USB wkg NIGHTWATCH 01. (JJ) MODIFY (sounds like; rare 6-character call.) At 0624z, MODIFY Clg TEARDROP, then "any station this net." BLOWFUSE 0426 USB wkg DECKBOAT. At 0436z, "ticking" noise w/HICKAM popping up on freq wkg ANDERSON, w/HICKAM sending data to ANDERSON at 0439z. SLIPHORN 1230 USB wkg NIGHTWATCH 01. Then SLIPHORN wkg NW 01 for signal checks approximately every 30 minutes for the next few hours. At 1420z,
WUN-v02

MCCLELLAN clg and raised HICKAM. At 1435z, SLIPHORN wkg NW 01 on top of some MCCLELLAN/HICKAM comms. At 1441z, SLIPHORN went monitor only for 2 hours. At 1538z, MCCLELLAN w/EAM transmission, keying this freq in addition to the standard GHFS freqs. RAIRLIRD 0149 USB clg NW 01. FARMBOY 1318 USB clg NW 01. NW 01 1225 USB clg/wkg unid station. At 1436z, "This is GLENMORE" repeated twice, then into 26-character EAM string. GLENMORE was very strong here; in his background was loud mechanical racket of steady pulses (tty device??), & someone in the background under stress shouting something and clg out ROMEO OSCAR. Opr chatter later in the day from GLENMORE was USN. At 1534z, VULCANIZE clg PUBLISHER, then wkg NW 01 to enter the net. VULCANIZE immediately asked NW 01 if NW01 had received VULCANIZE's traffic. Negative, so VULCANIZE transmitted an EAM string to NW01. NW 01 seemed to pay close attm to VULCANIZE throughout the day. At 1817z, DUTCHBOY wkg NW 01. At 1829z, NW 01 wkg VOCALIZE who entered the net. At 1918z, VULCANIZE with a 26-character EAM, then NW 01 & GLENMORE acknowledged this traffic (string heard on GHFS at 1924z.) At 2006z, VULCANIZE 01 (aka VULCANIZE) clg VULCANIZE 02, with no response; so VULCANIZE 01 raised NW 01 & asked if NW01 had comms with VULCANIZE 02. NW01 told "VULCANIZE" (01) that the only "VULCANIZE" in the net was VULCANIZE, and he had no knowledge of VULCANIZE 02. RAREFIND (probable USN) clg NW 01, then clg & raised JAILDOOR. RAREFIND adv that he was trying to work NW 01 on ZULU 155 (unk), but that there was an EE swbc station on the freq. ZULU 155 is suspected to be 5875.0 (which did have an EE bcst in progress on the freq.) RAREFIND 1352 USB clg NW 01. OVERREACH 0520 USB clg NW 01; finally wkg him at 0526z (after a trip back to 8968 to raise THULE & reconfirm freq w/NW 01.) INDUTOR (or sounds like) 1355 USB wkg NW 01, & then moved to ZULU 210. At 1808z, NW 01 wkg TEST____ (maybe TESTCOUNT.) Heavy qrm here from probable ANDREWS activity on 9017. NW 01 1455 USB wkg SYCAMORE. At 1733z VOCALIZE wkg NW 01, & entered the net. Also in the net: SYCAMORE; STANDBACK; BENDBACK. At 2044z CARDGAME wkg VOCALIZE, and entered the net. NW 02 1400 USB clg & raised NW 01. At 1435z, NW 01 wkg SANDHILL who entered the net. Also active: TESTPLUG (EAM broadcaster) and TEAMWORK. At 1445z, TEAMWORK with 26-character EAM; NW 01 acknowledged the traffic, along with TEAMWORK & SANDHILL. At 1609z+/h, TESTPLUG wkg POSSIBLE who entered the net. At 1731z, TESTPLUG wkg NW 01, and told NW01 that NEONSIGN had good copy of traffic. By this time, the players are TESTPLUG; SANDHILL; REARDOOR; PORTABLE; POSSIBLE; NEONSIGN. By 1819z, players are discussing their WHISKEY OSCAR (WUN lurker suggests that this might have to do with their (O)rderwire frequencies, maybe. At 1939z, NIGHTWATCH 02 clg NIGHTWATCH 01; then POSSIBLE raised NW 02. NW02 asked POSSIBLE if POSSIBLE were in contact with NW01; answer "that's a big negative." At 1940z, NW 02 wkg NW 01, & asked NW01 to key the freq as "IM A FOXTROT" (low frequency comm.) Just after this comm, POSSIBLE told SANDHILL that POSSIBLE copied SANDHILL's "WHISKEY OSCAR". NW 02 1353 USB wkg NW 01, req an "an vit" (a pronounced ANDVT) test. After the test, REITERATE popped up & adv NW 02 that REITERATE had received NW02's ANDVT comms ok. At 1405z, ATTENDANT wkg NW 01 & entered the net.Also active: ROOMRENT. By 1516z, everyone on freq was complaining of losing NW 01. At 1633z, ATTENDANT wkg INTERVIEW. At 1756z, ATTENDANT with 26-character EAM to the net (OFFUTT with same string at 1800z on GHFS.) CULTIVATE 1400 USB wkg NW 01. TOPSPOT (sounds like) 1246 USB wkg NW 01, & checking into the net. AFFLUENCE 1623 USB clg SKIBOOT. At 1625z, AFFLUENCE wkg IRONWORK. At 1626z, AFFLUENCE wkg SKIBOOT. At 1801z, NW 01 wkg HEDGEROW. RAFTLOG 1842 USB clg MACDILL, then moved to 13242. HICKAM 0438 USB wkg ANDERSON in voice & data. STARDAY 1119 USB wkg NW 01, & entered the net. NW 01 adv that WORKOUT is also in the net (since 0521z+/h), using z125. At 1541z, NW 01 wkg STARDAY. At 1548z, WAR46 wkg NW 01 for a signal check. At 1634z, ABSTAINER wkg NW 01 & entered the net. At 1638z, ABSTAINER wkg NW 01 for data work (TE204). At 1745z SLOWBALL clg ABSTAINER; and entered the net through ABSTAINER at 1753z. At 2222z, _____ wkg ABANDON. At 2304z, NW 01; female opr; loud "whine" on signal) with 26-character EAM. At 2310z NW 01 wkg TEUTONIC. NW 01 0234 USB wkg BLACKFLY. At 0236z BLACKFLY (maybe USN) wkg PETTYBOY (Sounds like.) GUNMETAL 1225 USB
wkg NW 01. At 1238z, NW 01 clg GUNMETAL & NEONGAS. At 1358z, CAKEBAKE wkg NW 01 & entered the net. At 1408z, CAKEBAKE clg NEONGAS, then HEADLONG. HEADLONG and CAKEBAKE went into ANDVT comms; at the completion of the secure comms, the comment was made "meet you on that frequency" and they were gone. At 1427z, CAKEBAKE wkg NW 01 & entered the net. At 1443z, CAKEBAKE clg NEONGAS, then HEADLONG. HEADLONG and CAKEBAKE went into ANDVT comms; at the completion of the secure comms, the comment was made "meet you on that frequency" and they were gone. At 1454z, the freq lit up w/what sounded like dtmf tones, then a "warble" tone, & finally MCCLELLAN up clg & wkg CAKEBAKE for voice & data. At 1559z, CAKEBAKE wkg NEONGAS & entered the net at 1624z. At 1920z, CAKEBAKE wkg NW 01 & apparently exited the net. At 1929z there were more "dtmf type" tones (maybe just an artifact of "their" data equipment) & then into a long data transmission, with no voice comms bracketing this thing. At 1959z, CAKEBAKE wkg NW 01 & entered the net. At 2006z, NW 01 clg SHADRACK for a signal check. "NW ONE" 1330 USB clg "WHISKEY ALPHA ROMEO 46", w/pp to common DSN number usually associated with calls placed to NW 01. When WAR46 came back up w/patch, NW 01 suddenly became very "boomy/echo'y", sounding like he was at the end of a very long tunnel (in fact he sounded like he was coming from the WAR46 site) wkg the clg party (also "echo'y") for hi 'n bye connectivity check, & terminated the patch. He immediately sounded "normal" again. At 0111z VACINATE (maybe USN) clg NW 01 in the middle of NW 01's phonepatch (with himself?), finally raising NW 01 at 0113z. NW 01 asked VACINATE if he wanted to enter the net, & VACINATE told NW01 that he was already in the net, as of 2006z on ZULU 220. NW01 had no record of him, so he put VACINATE through the challenge process and put him again back in the net. At 0156z, NW 01 clg SHUTOUT. At 0220z, RASPUTIN (sounds like) wkg NW 01. At 0257z, RASPUTIN wkg VACINATE. At 0322z, VACINATE wkg NW 01 and exited the net. DARTBOARD 1800 USB (sounds like) wkg NW 01. At 1821z, SPLENDID wkg NW 01 & asked permission to work DARTBOARD on freq with some data work, which was granted. At 1821z and 1830z, SPLENDID w/26-character EAMs, trailing the GHFS broadcast of same. At 1845z, SPLENDID apparently left the net. At 1847z, NW 01 told DARTBOARD that OUTSPoken was on ZULU 165. NW 01 clg WARN 01 w/pp request to a DSN 271 number id'ed w/RAYMOND 21, & was id'd as such during patch, for a quick hi 'n bye "communications test call." (JH) NIGHTWATCH: 0026 USB wkg TEDDYBOY on Z175 re station NW is going monitor only, relay tfc via station BLACKFLAG. WAR46: Alternate National Military Communications Center, Raven Rock Mountain, Pa, US 0429 USB wkg NIGHTWATCH 01 on Z175, then w/BEANSOUP entering the net. (RB) TwoTimer 2355 USB EAM broadcast "PKODS...". (KW2)
WUNV-02


9057 GLASSFULL 0450 USB wkg NIGHTWATCH 01. DUTCHBOY 1820 USB wkg NW 01. CAKEBAKE 1444 USB wkg HEADLON (probable USN) in clear voice & ANDVT. At 1453z, CAKEBAKE moved HEADLON back to 9016.0 "for traffic" (which was read by CAKEBAKE on 9016.0). (JJ)

9075 Multinational NAVY-units UTC? USB doing Voice-tell & link-coordination Callsigns including WCF, D5L, VQV, etc. This freq is a same kind of freq like 5709.0 (same nationalities). (GD3)

9103 RAF Rainbow 2357 USB clg NIGHTWATCH 01. SANDHILL 1532 USB wkg TESTPLUG, w/TESTPLUG id'ing freq as "98" (suggests USAF opr.) At 1543z, ORACLE clg what sounded like BLUE LIGHT (or maybe BLUE LIGHTNING), then "any station this net", answered by TESTPLUG, but he did not respond to TESTPLUG. At 1545z, PORTABLE clg NW 01. (JH)

9120 SAM 28000 0542 USB, on the ground at MOFFETT, wkg Andrews VIP w/signals cks. Also heard on 8058.0 (probably F-054, but not yet confirmed here) and 6986.0. Then at 2026z, from 6986.0, moved to F-476......not found here. NIGHTWATCH 01 2245 USB, after many calls, contacts Andrews AFB regarding data comms on this freq: TE-205, 75bd. async. (JJ)

9809 DUTCHBOY 1817 USB clg NIGHTWATCH 01. SANDHILL 1532 USB wkg TESTPLUG, w/TESTPLUG id'ing freq as "98" (suggests USAF opr.) At 1543z, ORACLE clg what sounded like BLUE LIGHT (or maybe BLUE LIGHTNING), then "any station this net", answered by TESTPLUG, but he did not respond to TESTPLUG. At 1545z, PORTABLE clg NW 01. (JH)

9970 FDC: FAF Metz 1028 CW vvv de FDC. (PB)

10046 4XZ UTC? CW w/marker. (DSB) (Israeli Navy, Haifa -LOGS)

10192.5 DRAQ: Bremen 1752 USB Wkg DHJ59. (IB)

10199 BROADSWORD 2245 USB wkg CROSSBOW-7, (not heard here) "We'll be standing by on this frequency...out." (JJ)

10201 BROADSWORD 2304 USB (maybe off freq., see 10199.0) clg CROSSBOW-7. No joy. Before signing off BROADSWORD said (in the blind), "Forwarding (sounded like) to CHARLIE-Oscar-Echo-India." (JJ)

10204 OVERREACH 0530 USB wkg NIGHTWATCH 01. & OVERREACH entered the net. AWARENESS 1619 USB wkg NW 01. NW 01 1354 USB wkg RESURFACE. (JH)

10205 SAM 27000 2333 USB wkg ANDVT comms with Andrews VIP. (JJ)

10470.5 FDC: French Air Force, Metz 1909 CW, "vvv vvv vvv de fdc fdc fdc ar" marker (MC)

10507 SXA: GRC-NY Piraeus, GRC 0732 CW clg TBH TUR-NY Ankara. (ANEE)

10512 AQP: Pakistani Navy, Karachi 1656 CW, "vvv vvv vvv aqp2/4/5/6/8" marker (MC)

10872 FDI8: French Air Force 1730 CW, "vvv vvv vvv de fdi8 ar" marker (MC)

11053 SAM 202 1942 USB wkg Andrews VIP for pp to Sherman Base Ops: DSN 552–6041 & DSN 552–2396.Two DV and six PAX. ETA Sherman: 2200z (JJ) Spar 65 0920 USB w/Andrews VIP, Mildenhall to Gander then KADW, 2 DV3s on board. (JP2)

11053.5 GHOST (no number given) 2245 USB wkg unid for msg. relay to party at a UK phone number and gone. Also heard a third unid player involved w/these comms. (JJ)

11056 Sam 26000 2015 USB from Bosnia to KADW, arrival 2130 local, Secretary of State on board. (JP2)

11059 SAM 206 0112 USB wkg/Andrews (LB2)

11061 EHCO-2-TANGO 0012 USB wkg PAPA-6-OSCAR setting up SATCOM, "Your antenna should be pointed at 253 degrees." UNIFORM-5-NOVEMBER 0122 USB wkg DELTA-2-ECHO, and others, "in the clear" & ANDVT comms. (JJ)

11175 SIERRA 42 0219 USB clg Andrews req pp to Travis Command Post. SIERRA 42 said he was a KC-10 over Nevada. Asked Travis is HAWK 83 (out of
Dyess?) was airborne now. Travis confirmed HAWK 83 was airborne. (BA) Reach 205 1012 USB Mainsail no joy (BH) REACH 50003: 2312 USB wkpg Ascension. req rdo ck. REACH Z2: 2350 USB wkpg Andrews. chg to 4724 then 15016 w/pp to Flight Planners. tail no. 40615. reg change of flight plan to OKBK and found alt route that would cut 45 mins off time. REACH 0010: 1815 USB wkpg Ascension w/pp Mainsail reported Alpha 3. No.3 engine fuel gauge off scale high plus Madar gsu failed. were told to contact Mildenhall on UHF 30 mins out. I heard REACH 0010 on UHF talking to Mildenhall abt problems at 1940UTC. SPAR 65: 2115 USB wkpg? pp Shannon. They never knew abt arrival, only military arrival was a C20. JM304: 1430 USB clg Croughton, no joy. REACH JZF7: 1445 USB pp. (CH) S43G 1925 USB wkpg MacDill for a radio check. (Dw2) ARGOT 1503 USB Clg & Wkg Croughton. c/s was spelt phonetically. Any ideas of this unit? Gold 91: 1501 USB clg Mainsail. MILT 24: 1258 USB wkpg Croughton. Cl30/Dyess. (IB) MCCLELLAN 1412 USB clg MacDill; MacDill told MCCLELLAN that he was in the middle of a pp, & to stand by. At 1413z, MCCLELLAN wkpg HICKAM & moved to 9016. FARMBOY 1319 USB wkpg OFFUTT for NIGHTWATCH 01 wkpg frequencies. At 1329z, MCCLELLAN w/a 20/20/26 character EAM set over a 12 minute period. At 1334z, RAILBIRD wkpg MCCLELLAN for NW 01 wkpg freqs. At 1652z, OFFUTT wkpg (could not make out), with OFFUTT passing various EAM 6-character preambles. At 2011z, HAWK 85 wkpg OFFUTT w/an "ops normal, negative relay" message. At 2157z, MCCLELLAN with a 38-character EAM: PDPTFS. At 2306z, HAWK 86 clg OFFUTT GLOBAL; at 2309z, he clg MAINSAIL , raised " " (missed it), & passed "122210 ops normal, negative relay" message. MCCLELLAN 1322 USB wkpg MacDill, req MacDill meet MCCLELLAN on 8968. MacDill advised him that 8968 was not one of his assigned freqs, so MCCLELLAN moved MacDill to 11244. (MacDill told MCCLELLAN on 11244 that SHARK 21 wanted a pp to "Pacific"). ANDESEN, & MacDill was having no success. So MacDill req that MCCLELLAN run the patch for SHARK 21.) ALBROOK 1916 USB wkpg SAM 206, & provided a pp to ANDREWS for good wkpg freq: 311. MCCLELLAN 1525 USB clg ALBROOK w/all frequency request, with nothing heard, & into a "MAINSAIL, MAINSAIL" which he immediately terminated. MCCLELLAN was found a moment later on 11244 wkpg OFFUTT. OFFUTT 1350 USB wkpg INDUCTOR (or ABDUCTOR or somesuch), providing NW 01 wkpg freqs. OFFUTT 1415 USB wkpg NIGHTHAWK MOBILE, w/pp to an area code 202 number (OPS CENTER). At 1419z, unid station (could not make it out) clg BAYONNE GLOBAL w/no response heard. HAWK 91 0157 USB clg HAWK 90. At 0258z ICER 21 clg MAINSAIL and raised ELMENDORF for a pp. PAT 140 1906 USB clg MAINSAIL; raised OFFUTT; and placed a pp to PAT OPS. ALBROOK 2318 USB clg SPAR 84. (JH) OFFUTT AFB 1538 USB w/EAM for "TACAMO PAC Secondary". (JM) Reach 2833 (Tail no 50276) 2016 USB 56 59N 31 30W, Dep UUWW at 1935, C-141 clg HILDA EAST?, 350, Neg Icing, Unlimited Visibility, 250/25 38deg C(Brrrrr:--), Going to Ascension through TETA w/1500. (MP3) 1650 USB w/Reach and 1650 USB w/Incirlik 1650, 1650 USB w/Reach, and 1650 USB w/Incirlik, 1650 USB w/Rea to Frankfurt, no pax, no cargo. (JP2) SL635 1030 USB wkpg Croughton, pp to 624-5121. Phone was answered 'SL635, this is squad.', then 'squad' (same YL operator) said 'SL635 from squad, this is station 48R, no traffic for your station at this time'. Reach T3 1259 USB wkpg Croughton, pp to Ramstein Metro for wx Ramstein, time 09:30 the next day. SAM 26000 1520 USB w/pp to Andrews through Incirlik asking Andrews for SatCom frequency. Andrews told SAM 26000 'operator wants you to QSY to 211'. (Must be the Secretary of State returning to the States from the re-opening of Sarajevo airport for civil traffic). (MB3) MARLIN 3 2335 USB w/pp via ELMENDORF to Duty Officer at NAS Whidbey Island, WA. Gave his eta as 1900 Local (0200Z), MARLIN 1 eta 2000 Local (0300Z) and advised MARLIN 2 heading to NAS Moffett Field. MARLIN 3 req troubleshooting maintenance on arrival as they had an uncommanded rack-release on all racks. As far as I can tell, the MARLIN callsign is used by P-3C Orion aircraft with VP-40 now out of Whidbey (Yes, the 'Fighting Marlin's' & NAS Moffett has closed the field is now known as Moffett Federal Field -LOGS) GASER 93 0104 USB pp via ASCENSION to ???. (Couldn't quite make it out) re: air re-fueling. GASER 93 barely readable but ASCENSION coming in very well. RACECAR 0108 USB (sounded like a ground station...had that echo-like quality to it) calling MAINSAIL for comms test. ID? SHARK 19 0110 USB w/pp via ASCENSION to ???. Reporting ops normal. (PJ)
Navy MARLIN 2 0116 USB w/pp via ELMENDORF to Duty Officer at Autovon 820-xxxx. Eta homeplate 2015 local (0315z). Advised that MARLIN 4 is 15 "mikes" ahead of him. SPAR65 2220 USB Req Andrews VIP freq, was given 331Upper Checked on 11220, Andy was calling spar65, Spar65 was clg andy on 11221, they couldn’t hear each other, went back to 11175 & was given 444Upper Checked on 4442, signal there out to much qrm on freq from rtty station on 4443. CACHE 02 2319 USB pp to Albrook Metro. Albrook strong signal s9+ into UK. (PJ2) Navy PM294 UTC? USB req pp to 359-9549 re computer printout woes. (RA) (P-3C of VP-91 -LOGS) HAWK 85: B-1B crew training sqd, 28th BS, 7 BW, Dyess AFB, TX 0007 USB wkg McClellan GHFS w/pp Dyess meteo re wx at unid IR entry point. AUSSIE 242: Royal Australian AF 0023 USB wkg McClellan GHFS w/pp NAS North Island duty office to pass ETA of 0200z. NAVY RUB41: Navy C-130T, VR-55, Moffett Federal Field. Ca 0026 USB wkg Ascension w/pp Brunswick meteo, self-ID's as a C-130. TIGER 25: B-1B 28th BW, Ellsworth AFB, SD 0150 USB wkg Hickam GHFS w/pp Ellsworth meteo re wx at unid training range entry point. At 0152 wkg TIGER 26 re if he copied wx. GAINER 91: HC-130N/P "Combat Shadow", 9th SOS, Eglin AFB, FL 0154 USB clg mainsail, Hickam GHFS answers, radio ck. ARMY 242: 0210 USB wkg Hickam w/pp unid meteo re wx at PHNA, PKWA, & PJON. (RB) SIERRA 53: unid tanker 0221 USB wkg Ascension w/pp to RAYMOND 08 (Davis-Monthan AFB, NV cp) re checking to see if his AR at NO 07 w/12 A-10's is on time (last flight of A-10's?). TUFF 17: B-52H, 11th BS, Barksdale AFB 0235 USB wkg Hickam GHFS w/pp MUDBUG CONTROL, fol by JGS scheduling, re status of IR178CK after 0300z (range is open). TUFF 15: B-52H, 11th BS, Barksdale AFB 0240 USB wkg Hickam GHFS w/immediate pp RAYMOND 06 (8th AF Command Center, Barksdale AFB, La), then requests pp to local number re family emergency. TUFF 17: B-52H, 11th BS, Barksdale AFB 0244 USB wkg Hickam GHFS w/pp Barksdale meteo; re wx at IR178T. SPIRIT 16: B-2A, 509th BW, Whiteman AFB, Mo 0247 USB clg mainsail, no joy, at 0249 clg Ascension, no joy. TIGER 35: B-1B 28th BW, Ellsworth AFB, SD 0253 USB clg mainsail, Hickam answers, req pp Ellsworth CP. RAYMOND 01: ACC Command Center, Langley, AFB, Va 0259 USB clg 'any station' for rdo ck. COPER 6: 0323 USB wkg Offutt w/pp Kirtland AFB, NM DSN, re status of unid c/s, adv they will 'hangout' at AR track 674 as op's unable to pass any info as they have no power there. FORCE 17: KC-135R?, 141st ARW, Fairchild AFB 0324 USB wkg Hickam w/pp, QUICKFORCE OP's (141st CP) re AR times scheduled for the "Red Forces" out of Nellis. ALEM 92: (spelled) 0452 USB wkg Hickam GHFS w/pp Ellsworth meteo. TROUT 99: 0511 USB wkg Hickam w/pp re ETA North Island of 0120L. UPSET 11: KC-135R, 128th ARG, 126 ARS, WI ANG at Mitchell Field, WI 1458 USB wkg Offutt GHFS w/pp Mitchell Field. At 1536 wkg Ofutt w/pp UPSET CONTROL to pass ETA 1245L. ROPER 86: C-130 ANG, Dallas, TX 1500 USB wkg Ofutt w/pp Kelly AFB, TX, base op's (military). LINT 64: No ID 1504 USB w/pp Dover CP. ETA 1650z req customs/agriculture, has 53 pax, 4 pallets to off-load, alpha-1 for maint. Spelled c/s, hrd "LINT", poss was letter in front. RODD 13: (spelled) No ID 1523 USB wkg Offutt w/pp Westover CP re ETA. NAVY 50111: (BuNo 150111?) 1551 USB clg. Offutt re radio ck. AADS: USAV Runnymeede (LCU-2001) 1557 USB clg mainsail, Offutt ans, req pp w/DSN (AAC2, harbormaster, Ft Eustis, Va) to pass posn/status report. CHILL 22: B-52 5th BW, Minot AFB, SD 1602 USB wkg MacDill w/pp RAYMOND 12 (Minot AFB, not the closed England AFB) re is aborting the range at point A3, enrt AR, ETA back is 1800z. HOIST 51: KC-10, 2nd ARS, 22 ARW, Barksdale AFB, LA 1606 USB wkg Offset w/pp unid meteo. JHawk 41: B-1B, 184 BG, McConnell AFB, KS 1621 USB wkg Offset GHFS w/pp GUARD OP's. OCEAN 75: 1638 USB wkg McClellan GHFS w/pp to base op's, Wyoming ANG, Cheyenne Muni Apt, Wy, re departed Atlanta, ETA 1945z, will need 12,000lbs gas. ANVIL 02: C-130, 130th TAG, Yeager Apt, Charleston, WV 1646 USB wkg Offset GHFS w/pp to their unit, passes ETA 2100z. NAVY 51OS: P-3C, VP-10 Red Lancers, NAS Brunswick, ME 1648 USB wkg Offutt w/pp unid base op's, passes ETA. NAVY LW337: P-3B, VP-68 "Black Hawks", NAF Washington D.C. 1703 USB wkg Offutt GHFS w/pp to VP-68 base op's re ETA. RAYMOND 10: Little Rock AFB, Ark, CP 1840 USB clg mainsail for several minutes, no joy. NAVY LC809: LC-130F/R of VXE-6 "Penguins", Point Mugu, CA, 1854 USB wkg Offutt GHFS w/pp "duty
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office" unid loc. VM-153: most likely USMC C-20 165153 2010 USB clg "Bayonne Global", no joy. CROWN 02: 2219 USB w/kg McLellan GHFS w/pp unid DSN, don't think this was the same as the other CROWN xx HC-130P's we hear. JAWS 52: MC-130E (AFRES) AFSOC 2233 USB w/kg Offutt GHFS w/pp Eglin meteo. (919th SOW at Duke Field, Fl or 16th SOW at Eglint?) ATLAS 02: 2236 USB w/kg McLellan GHFS w/pp, BALBOA OP's at Howard AFB, passes ETA. SPAR 63: C-20 VIP flt 58th ALS, Ramstein AB, GER 2342 USB w/kg MacDill w/pp Andrews meteo, command post, departed GVT bound Gander, NF, but is diverting Andy due to a malfunctioning fuel quantity indicator. (RB)

11181 BLUEEYES 1444 USB w/kg REITERATE. MACDILL 0052 USB w/kg SPAR 65 w/pp to RAMSTEIN. TALLTALE 2109 USB w/kg NIGHTWATCH 01 (female opr). SLOWBALL 1829 USB w/kg ABSTAINER "on triple one eight one" (did not use the Z200 designator). (JH) ARMY ARCHER 1842 USB w/kg WGY916 for msg. (RB)

11187 AFFLUENCE 1629 USB w/kg IRONWORK. (JH)
11212 VENUS 74 1900 USB w/kg VENUS 71 & Andrews VIP. (JH)
11214 MAGIC CARPET SIERRA 2150 USB in comms w/HABITAT reports that he has KNIGHT 1 & KNIGHT 2 (unIDed a/c) strong (referring to VHF/UHF comms or maybe RADAR?) since KNIGHT 1 & KNIGHT 2 cleared the "Olympic" area. (JH)

11218 SAM 26000 UTC? USB w/kg ANDREWS re parking, etc. (CM) ANDREWS 2354 USB w/kgSAM 206, who seemed to be ex Nigeria, going to Quito & Lima. During a long pp, the ground party had a multiple echo on each word of his sentences. ALBROOK had been clg SAM 206 on 11175 just minutes earlier. (JH) VENUS 74 1900 USB w/kg VENUS 71 & Andrews VIP. (JH)

11217 TEAL 28: WC-130 53rd WX Recon Sqd (AFRES), Kessler AFB, Ms 1655 USB, w/kg MacDill on a discrete freq w/pp to poss Kessler, setting up some sort of remote broadcast link for radio station feed. (RB)

11220 SAM 206 1917 USB w/kg ANDREWS. (JH)
11229 NIGHTWATCH 01 1355 USB w/kg INDUCTOR (or sounds like) and also HEDGEROW (or sounds like). At 1532z, NW 01 w/26-character EAM transmitted at the same time as the same string on the GHFS. At 1805z, NW 01 w/kg TEST (maybe TESTCOUNT), where they then moved to Z175. ROOMRENT 1518 USB w/kg NW 01. (JH)

11232 Rescue 306 1450 USB w/pp w/Halifax Rescue through Trenton Military re a SAR op off the Nova Scotia coast. (CM) MAGIC 57 1951 USB w/moral pp via Trenton Military. (PS)

11244 OFFUTT 0401 USB w/a 66-character EAM: PD62OO..., followed by a 26-character EAM. OFFUTT 1620 USB w/a 20-character EAM disregarded in mid transmission for a FOXTROT broadcast prefaced with EYESTRAIN. VOCALIZE 1728 USB clg MAINSAIL & raised OFFUTT, looking for NIGHTWATCH w/kg freqs: Z175/Z220/Z165. PORTABLE 1555 USB w/kg MACDILL, w/MACDILL advising PORTABLE that MACDILL was having problems reaching NIGHTWATCH. At 1606z, APPALOOSA FARM clg NW 01 (part of the "FEMA" activity also on 11494.0.) At 1701z, unid station (could not make out call) passed TANGO ALPHA "alphacharacter" message, similar to activity on 21 Mar 96. Also numerous stations passing "HOTEL" datemate group messages (also being heard on 11494) At 1728z, station sounding sorta like AXEL ROD clg NW 01; then PORTABLE clg NW 01. At 1829z CHOGA 02 is active. At 1830z, OFFUTT clg CHOGA 03. NW 01 1733 USB receiving a TANGO ALPHA "alphacharacter" message from a station I could not id. At 1811z, NW 02 received a "TANGO ECHO" message from unid station (missed id, but it may have been MACDILL). Message seemed to consist of "TE TE TE TE TE TE TE TE TE TE TE TE TE TE TE". At 1858z, TANGO 03 (sounds like) clg what sounded like SECONDARY CONTROL. NW 02 1649 USB clg & raised MCLLEAN. MCLLEAN asked NW02: "was it your station who injected M22YM, over?" NW02 said no, and suggested that maybe it was NW 01, but he didn't know. At 1721, TOPIC 103 clg ATTENDOR or maybe ATTENDANT or somesuch and passed TANGO ALPHA DELTA. TOPIC 103 was up for rest of local afternoon passing incrementing TANGO ALPHA "alphacharacter" groups. At 1905z, NW 01 passed a HOTEL message (H221905). At 1810z, TELLTALE
At 1812z, IMPURITY wkg NW 01; followed at 1815z with IMPURITY briefly wkg OFFUTT (signal check). At 1826z, a weak station clg NW 02. At 2146z, TALLTALE clg MAINSAIL & raised OFFUTT, req NW 01 wkg freqs: Z200/Z215. (JH) HAWK 87: Bh1B crew training sqd, 28th BS, 7 BW, Dyess AFB, Tx 1509 USB wkg Andrews GHFS w/pp Dyess meteo re wx at unid IR entry point. LANE 04: 1738 USB wkg CONTENDER w/msg of one group. (RB)

11247 MAGIC 93: 1225 USB wkg Architect. req better freq, changed to 4742 then 9031 (CH)

11460 SPAR 65: 1130 USB wkg Andrews, rdo ck. primary F295 (11460), Secondary F731 (6683) (CH) ANDREWS 0008 USB wkg SAM 375 & what sounded like SAM 26000, with a long phonepatch involving software diagnostic activity regarding his SATCOM unit. They ended up clg someone at "COMSAT ONE". There was mention of something sounding like "A.S.I.D.", "AR West", and "AR West into Salisbury". Mention was made "...he is in Houston", an apparent reference to Sec of Defense Perry receiving an award in Houston that local evening. At 0152z, ANDREWS wkg SAM 375. ANDREWS 1530 USB wkg _____ (could not make it out), and moved to 6730.0. (JH)

11494 NW 01 2027 USB clg PEPRALLY, w/PEPRALLY finally wkg NW 01 at 2052z. NIGHTWATCH 01 1434 USB wkg OVERSLEEP; at 1435z BIGBURLY wkg NW 01; at 1456z, RAILBIRD clg what sounded like MAGNOLIA (but MAGNOLIA was not heard in the net before or after this.) 1700 USB Various FEMA stations (many of which are the MERS things) wkg each other passing HOTEL'dtg' messages. Stations such ast WGY 911; WGY 916; WGY 918; WGY 913 (aka DOLITTLE/FASTBALL during 22 Mar 95 NW net); plus AMERICAN GIRL, AMERICAN FLYER, and other calls I could not id. At 1910z, AMERICAN FLYER wkg AMERICAN GIRL. At 1915z, AMERICAN FLYER wkg WGY 916 (not heard here in coastal Texas); then WGY 913 wkg AMERICAN FLYER (all passing HOTEL messages.) At 1919z, SERVICE CENTER wkg "ZERO FIVE" in clear and secure voice (there was some "normal" federal traffic on this freq in addition to the FEMA stuff.) CULTIVATE 1401 USB wkg NW 01 and entered the net. At 1404z, there were lots of SELCAN pulses responding to each burst, followed by secure voice comms (the "normal" inhabitants of this freq.) At 1408z, NW 01 req that CULTIVATE move to ZULU 211; then told CULTIVATE that NW01 was going monitor-only for two hours & was to meet NW01 after that time on ZULU 211 or via "GLOBAL."ZULU 211 is tentatively suspected of being 11244, or maybe not. NW 01 then told CULTIVATE that LASTDATE was on ZULU 185 (9089). (JH) Nightwatch 01 0014 USB clg Rarebird. (KW2) WGY916: FEMA MERS, Denton, Tx? 1915 USB wkg 'American Flyer' w/group msg, at 1926 WGY901 w/same. (RB)

12035 TALLY HO OP's 2215 USB wkg Reach 161, stated that they refuelled 6 chicks, total of 58,000 lbs., ops normal. Gave lat/long, was plotted as just outside of Azores. Who is "Tally Ho Ops"??? (ANN)

12076 ZRX: Unid, S. African 0810 CW de zrx cw marker. South Africahexact location ??? (MS4)

12122.5 NNNOCMS: USCGC Courageous 0043 USB w/NNNOFMN (Omaha NE shore station) for pp traffic. First logging of 12meg. (MR2)

12808.5 VTHG: Mumbai, India 1145 CW marker and marine wx. (MS4) (Indian Navy -LOGS)

13075.5 JNA: Tokyo, JAPAN 1325 CW marker "CQ CQ CQ DE JNA JNA JNA". (CG2) JNA is JMSA, Japanese Maritime Safety Agency, Tokyo, J -LOGS

13200 COLD DUCK: 0042 USB wkg Hickam GHFS w/pp to 339 DSN...RETAILIATE, then passes an 11 group msg. (RB) Hickam (USAF) 2140 USB in comm's with Dagar-01 (Day-Gar) & Golf-0Q, Dagar-01 was after the wx (SB)

13204 SAM 27000 2239 USB wkg Andrews VIP for data freqs: 6830.0, 8026.0, & 9017.0 (JJ)

13217 SAM 27000 2151 USB enrt to the Philippines, wkg Andrews VIP for pps to the Pentagon and Hickam AFB. (JJ)

13242 NIGHTWATCH 01 1637 USB w/26-character EAM, trailing the GHFS broadcast of same. At 1644z, WINDMILL clg & raised NW 01. Followed by COGNIZANT calls NW 01 but raised WINDMILL, to enter the net. Advised that TWILIGHT is in the net, and HOUSEROP is in the net on 9016. At 1650z, PUBLISHER clg NW 01, then wkg COGNIZANT. MACDILL 1610 USB, expecting TESTPLUG for some data work, responds to a call from REACH 65 who wants a pp (and who probably moved here after
hearing MACDILL send TESTPLUG here from 11175, trying to get a request in before TESTPLUG showed up). MACDILL shoo's REACH 65 back to 11175, and then works TESTPLUG. RAFTLOG 1844 USB wkg MACDILL at 1847z, & into data at 1859z. NW 01 1929 USB wkg SKILIFT, after moving him here from 9016. (JH)

13245 NIGHTWATCH 01 1457 USB wkg SYCAMORE. At 2041z CARDGAME clg NW 01. NW 01 2002 USB clg NEONGAS. NEONGAS clg NW 01, but did not heard NW01's response. (JH)

13247 Andrews Mystic Star UTC? MODE? (reconfirmed 8/9/96). (TF)

13907 DUTCHBOY 1826 USB wkg NIGHTWATCH 01. At 1943z, NW 01 wkg WAR46 & set this freq up as "primary" for WAR46. (JH) PINGPONG 47 2346 USB wkg PINGPONG to advise that 47 is RTB because of equipment problems. (JH)

13927 AFA2AG: USAF MARS Rockledge, FL 2034 USB Clg Any station-no replies. AFA2HP: USAF MARS Orange City, FL 2138 USB wkg AFA2XZ- MARS-Salt Spring, FL AR310: Western Sahara 1937 USB wkg AFA1YV. (IB)

13997.5 AAA3USA: Army MARS, Ft Meade, Md, US 1415 USB (Eastern Gateway) wkg AAR2USV w/SHARES exercise msg. (RB)

14384.5 CIW822: Canadian CFARS St Johns, NB, CAN 1724 USB wkg CIW202, CFARS Vancouver, BC on 'Bravo'. CIW202: Canadian CFARS Vancouver, BC, CAN 1730 USB wkg CIW82, CFARS Greenwood, NS re any traffic for him, neg. (RB)

14396 AAT9JA: USAF MARS 2057 USB w/SHARES exercise msg tfc w/unid station. (RB)

14441.5 NNNOCAA: unid 2254 USB switching to 14467.0 khz for pp w/NNNOUTO (Shore station-WA), had been clg at 1715 also. (MR2)

14441.5 NNNOCBF: USS Hawes 2332 USB w/NNNOUTO (Shore station-Republic WA). NNNOAQS: unid 1831 USB w/NNNOYNR (also Unid shore station) re band conditions. NNNOCBE: USS Leyte Gulf 0211 USB clg for pp, later wkg NNNOCCL (Unidentified). NNNOCBE: USS Leyte Gulf 1956 USB w/NNNOKRKQ (OH shore station) moved to 14470.0kHz for pp traffic. NNNOCBF (USS Hawes) 2013 W/NNNSNW (FL shore station) tried to set up pp traffic, but prop NG. NNNOCS: USCGC Bear 2036 USB w/NNNOKRKQ (OH shore station) moved to 14470.0kHz for pp traffic. NNNOCF: USS Anzio 1843 USB clg for any Stateside stations for pp traffic-after 10 minutes-no joy. NNNOCG: USCGC Courageous 0040 USB w/NNNOFMN (Omaha NE shore station) moved to 12122.5kHz for pp traffic. NNNOCOL: Unid ship 2310 USB w/NNNOPRQ (KY shore station) moved to 14391.5, but freq was occupied with other pp traffic; then moved to 14818.0 for executed pp traffic. NNNOCRU: USS Essex 2015 USB wkg NNNONUW (NAS Whidbey Isl WA) re radio problems. NNNOCS: USS Briscoe 1954 USB w/NNNOFMN (NE shore station) moved to 14463.5kHz for pp but no joy-too much QRM. NNNOCBX: USS John F Kennedy 2311 USB w/BOOMING signal w/NNNOUTO (WA shore station) moves to 14483.5kHz for pp traffic. NNNOCAX: USS Gallatin 2038 USB w/NNNOKRKQ (OH shore station) moved to 14470.0kHz then to 14391.5kHz but conditions NG for pp. NNNOCZX: USS Vella Gulf 2300 USB w/NNNOTDU (Unid Shore Station) switching to 14470.0kHz for pp. NNNOCDZ: USS Merrimack 2148 USB wkg NNNOUTO (Shore station in Republic WA-switching to 14467.0 for pp. NNNOCZI: USS Boone 2306 USB w/NNNOHR (Unid shore station) moved to 14391.5kHz for pp traffic. NNNOCZI: USS Boone 2138 USB w/NNNOMPN (Camp Pendleton CA MARS station) moved to 14383.5kHz but too much QRM; moved to 14477.0kHz again too much QRM BUT NNNOIGD (FL shore station) directed USS Boone to 14391.5kHz where successful pp traffic took place. NNNOCZO: USS Stephen W Groves 2257 USB w/NNNORRC (Unid shore station) moved to 14463.5kHz but too much QRM. NNNOIGD: FL shore station 2147 USB w/NNNOCXZ (USS Vella Gulf) went to 14467.0 then to 3011.5 but could not get good signal for pp. NNNOONB (Unid ship) 2035 W/NNNOHR (Unid TX shore station) moved to 14477.0kHz for pp traffic. NNNOND: Unid 2214 USB w/pp w/NNNOHLOQ (TX shore station) switching to 14470.0kHz. NNNONIG: Naval Tech Center-Pensacola, FL 2034 USB w/ann he is available for pp for afloat stations. NNNONUW: NAS Whidbey Isl WA 1912 USB monitoring freq for traffic. NNNORRC: Unid shore station 2311 USB offering pp services. NNNOSNW: FL shore station 2014 USB att
to reply to NNNOCVN (USS Briscoe) call-no joy. NNNOUTO: WA shore station 2005 USB clg all ships for MARS traffic. NNNOPQ: FL shore station 2002 USB clg all ships for MARS traffic. (MR2) NNNONP: Unid, helo? 2200 USB wkg NNNOPQ re has routine pp traffic. (RB)

NAVY ACG623: EA-6B VAO-130 "Zappers". NAS Whidbey Island, WA 1938 USB wkg Ascension ex/moral pp thru NAS Whidbey Island. (RB)

LY270: 1220 USB clg Mainsail, no joy. REACH 2G5: 1134 USB wkg Lajes ent LERT 1700z. pp Rota cp and metro, tail no: 870027, mission no: 2G5, blocks at 1310z. REACH T2: 1145 USB wkg Lajes pp Ramstein AMCC & metro: 60209, mission no: 11T2. NAVY LW998: 1440 USB pp M'sail metro. wx for EKYT (CH) Reach 11v3 (60133) 0910 USB from Rota to Sigonella then Ramstein. (JP2) Reach 60035 1758 USB wkg Elmendorf, pp metro/Pirep rpt as KC10 acft located N41.154 W99.482 Fltt Lvl 37K;---Interesting that Offutt GHFS and or UHF was not used (acft location was about 40 miles west of Omaha (Anselmo, NE).) (KW2)

NOAA 43 (P-3 Hurricane Hunter) 2135 USB wkg Albrook GHFS w/pp to National Hurricane Center, Coral Gables, FL, passing current wx conditions from drop sondes & other instruments in Hurricane Edouard. (NWC)

USAIR Mac (LCU-2003) 1506 USB wkg Ascension GHFS w/pp AAC2, Fort Eustis, Va. passes posn/status report (2428N/07441W, bound Portsmouth, Va). All is well. KING 88: USAF C-130 aero rescue 1510 USB a/c, wkg Albrook w/pp KING OP's at Patrick AFB, fol by pp patron meteo for 1730z wx. EPIC 58: C-130, unit? 1553 USB wkg MacDill w/pp Charleston base op's, passes ETA, req customs & agriculture. ROPER 85: C-130 ANG, Dallas, TX 1624 USB wkg MacDill GHFS w/pp to a guard unit in San Antonio re vehicle for crew transport. HOIEST 34: KC-10, 2nd ARS, 22 ARW, Barakdsalo ABF, La 1650 USB wkg MacDill w/pp "KC-10 Op's" at 440 DSN, re status of mission. SPAR 19: EC-135, 19th ARW, Robbins AFB, GT 1715 USB CINCENT's a/c, wkg MacDill GHFS w/pp to a guard unit in San Antonio re tanker times. ASPEN 99: 1917 USB wkg MacDill GHFS w/pp RAYMOND 27, ETA 2300z, w/pax & baggage, req customs, 2nd pp to what sounded like "MOGAS OP's" (missed DSN). NAVY LV745: P-3B or EP-3J of VP-66 "Liberty Bells", reserve PATWING ATL, NAS Willow Grove, Pa, 2004 USB wkg MacDill GHFS w/pp unid NAS re location & time of TLMR event. TURBO 23: 2017 USB wkg MacDill GHFS w/pp, SHOCKER CONTROL (McConnell AFB, 384th BW CP still?) w ETA, also passes crew, pax & load info. HAWK 83: 8-18 crew training sqd, 28th BS, 7 BW, Dyess AFB, TX 2105 USB wkg MacDill GHFS w/pp Dyess meteo, located 100 miles NW of Amarillo, TX. SENTRY 32: USAF E-3 AWACS 2113 USB wkg MacDill GHFS w/pp DEERHUNTER at 984 DSN (Mchord AFB, Wa?), then IB'd as CHALICE CHARLIE by DEERHUNTER, confirms active link is B28. SHARK 13: 2116 USB wkg MacDill GHFS w/pp, LOBO, departed SKAP at 2110z. AFFLUENCE: 2211 USB wkg MacDill GHFS w/pp "MOGAS TP" 01, then authenticates out of the net. NOAA 43: WP-3D Hurricane Hunter 2126 USB wkg MacDill w/pp National Hurricane Center, Coral Gables, FL, passes wx data line info from Hurricane Edouard. TOTEM 76: 2217 USB clg MacDill GHFS, no joy for sev mins. (RB)

Edmonton Military 1833 USB airfield obs/forecasts. (KW2)

SENTRY 60: USAF E-3 AWACS 2151 USB wkg Offutt GHFS w/pp 359 DSN. (RB)

Ascension GHFS: Ascension Isl 1955 USB clg NAVY AC-623 after they lost comms on 14615. (RB)

=_MISC=

260 YAR: Yaritagua, Venezuela (Pvde)

260 DCF: Canefield, Roseau, Dominica (my list says DFC, thought I heard DCF very weak, any clues????) (Pvde)

270 CUP: General Jose F. Bermudez, Carupano, Venezuela. (Pvde)

276 IBL: (approx) UNID, probably south america. (Pvde)

287 SMR: Simon Bolivar, Santa Marta, Colombia. (Pvde)

294 ZIP: Zipaquirá, Bogota, Colombia. (Pvde)

300 ABL: Ambalema, Colombia. (Pvde)

305 BNE: Hewanorra Intl., St Lucia. (Pvde)

311 TBG: Taboga Island, Panama. (Pvde)

314 FXF: Le Lamentin, Fort-de-France, Martinique. (Pvde)

315 UPI: Barranca de Upia, Colombia. (Pvde)

Pagina 826
YTC: Itacoatiara, Brazil. (PvdE)
PJB: Flamingo, Bonaire, Neth. Antilles. (PvdE)
FOF: (approx) UNID (again ForthdehFrance?????). (PvdE)
BOG: (approx) UNID (Bogota?? listed on 388). (PvdE)
TAB: Crown Point, Scarborough, Tobago Island, Trinidad & Tobago.(PvdE)
BGI: Adams, Bridgetown, Barbados. (PvdE)
HOT: Higuerote, Venezuela. (PvdE)
TIM: Timehri Intl., Georgetown, Guayana. (PvdE)
PV: Providenciales Intl., Turks & Caicos Islands. (PvdE)
BFI: Beef Island, Virgin Isl.,( American ???????). (PvdE)
GND: Point Salines, Grenada. (PvdE)
ZIN: Great Inagua Island, Bahamas. (PvdE)
POS: Piarco, Port of Spain, Trinidad & Tobago. (PvdE)
BFI: Beef Island, Virgin Isl.,( American ???????). (PvdE)
SJE: San Jose de Guaviare, Colombia. (PvdE)
SLU: Vigie,Castries, St Lucia. (PvdE)
BFI: Beef Island, Virgin Isl.,( American ???????). (PvdE)
PAN: Panama City, Panama. (PvdE)
GND: Point Salines, Grenada. (PvdE)
ZIN: Great Inagua Island, Bahamas. (PvdE)
POS: Piarco, Port of Spain, Trinidad & Tobago. (PvdE)
BFI: Beef Island, Virgin Isl.,( American ???????). (PvdE)
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ZIN: Great Inagua Island, Bahamas. (PvdE)
POS: Piarco, Port of Spain, Trinidad & Tobago. (PvdE)
BFI: Beef Island, Virgin Isl.,( American ???????). (PvdE)
tomorrow morning. Also talk of the tractor and bulldozer out there. (TB)

33: 0910 USB Philippines telecom net. 33 calling "Control" numerous
stns on channel. Much whistling and general bedlam (AB3)

Philippines Telecom net 0920 USB heavy traffic in local languages
-similar to 7671 log (AB3)

Unid 1039 USB filipino phone net. (AW)

Unid 0920 USB Very busy Filipino net w/many comms going at once. (AW)

CIA Counting Station, D 2000 USB messages to 117. (ANEE)

Unid Caribbean male 2231 USB arranging some sort of meeting at Pete's
house (TB)

UNID: 1944 CW F1 w/200hz shift, sending slow (15wpm) SLG's
w/accentuated letters. QGN5 tactical callsign? (DW)

CIA counting numbers 1100 USB 3-2 groups by YL // 10597. (AW)

Unid 1100 LSB Pacific island phone net. (AW)

Unid: British male 2310 USB w/in-flight reports...said would call
back at 0000 (TB)

Unid: British male 2310 USB w/in-flight reports...said would call
back at 0000 (TB)

WWJ74, FHWA, Cadillac, MI 1243 USB clg AAB1DE, USNG, Wilmington, DE.
SHARES exercise. (JM)

KIT88, FAA, Martinsburg, WV 1445 USB clg FAA Eastern Net. Voice
privacy (VP-100) in Key 1 to be used today. Meets each Wednesday at
10:45 AM local. (JM)

BND numbers station on 2030 USB GK broadcast. (ANEE)

Unid: British male 2310 USB w/in-flight reports...said would call
back at 0000 (TB)

WWJ74, FHWA, Cadillac, MI 1243 USB clg AAB1DE, USNG, Wilmington, DE.
SHARES exercise. (JM)

WWJ48, FHWA, Lakewood, CO 1341 USB standing by for SHARES traffic.
(WWJ48 is FWHA Lakewood, Co & WWJ74 is FWHA in
Cadillac, Mi -LOGS) WWJ48 1408 USB w/ART. WWJ48 1410 USB clg WWJ74 to take net for a
break. (GG) (WWJ48 is FHWA Lakewood, Co & WWJ74 is FHWA in
Cadillac, Mi -LOGS) WWJ48: U.S. Federal Highway Admin (FHWA) station,
Lakewood, CO, US 1602 USB w/guy WWJ49, undid, w/SHARES exercise msg.
(RB) SHARES Exercise 96-02 1500 USB w/callsigns hrd wwj48, aa3usa, 
& aa4ll. (RT2)

Omaha 15? 2120 USB w/kg HAMMER re confirming Savannah Sector A2 freq
of 165.2375. HAMMER adv std by then back with confirmation. LIMA 100
WUN-v02

2015 USB clg HAMMER with no joy. Then same OP id'd as LONGHORN calls HAMMER again with no joy. (EA)

11596 Unid 1028 CW CVAM DE XFLG don't know what is going on here, off at 1038 w/zlq zsu zbo ee k k. (EW)

12314 BND numbers station, D 1000 USB WL broadcast. (ANEE)

12603 MI6 Lincolnshire Poacher, CYP 1835 USB Numbers. (HS)

Lincolnshire Poacher 2134 USB QRM fm SITOR sigs, see 6959. (MF)

13200 Unid 0725 USB Two unid Pacific island stn w/pp on military freq. (AW)

13457 KJK77, FAA, Palmdale, CA 213 USB attempting pp for a/c Reach 444. Unsuccessful, not SHARES related. KIA21, FAA, Oklahoma City, OK 1630 USB acting net control (for KCP63) with Western Net roll call in VP-100 mode. Every Wednesday at 10:30 AM Mountain Time. (JM)

13560 BMB: Taiwan meteo 1017 cw wx report for Taiwan Strait etc. (EW)

13722 KBW49, DOE, Las Vegas, NV 1623 USB clg any station for SHARES traffic. (JM)

13874 CIA counting station, D (near Frankfurt) 1200 USB messages to 141 //15822 khz. (ANEE)

14686 ATLAS: Customs Over the Horizon Enforcement Net (COTHEN) Rockwell-Collins, Cedar Rapids, IA 1545 USB wkg FLINT 941 (DEA a/c) re ETA to "101", 101 then works ATLAS to adv they copied direct. (RB)

14752 Unid: 2048 USB w/ANDVT comms for several mins. (RB)

15682 MI6 Lincolnshire Poacher, CYP 1842 USB Numbers. (HS)

15980 Mossad Int. Serv. 11.40 AM 5Lgs no ID (PB)

15997 unid 1344 CW 26.5wpm handkeying, every word repeat one time, axeaeri axeaeri =E4cman =E4cman i0id i0id anelae anelae =E4li =E4li=' etc. some parts are separated by 'iii iii' (PB)

16610 Unid 0216 USB Czech or Polish stn w/pp. (AW)

16680 MINAFFCET Kinshasa 1305 CW w/FF admin arrangements academic awards ceremony. (TD2)

18415.2 8BY: F 1146 CW Listed as FF Intelligence in WUN logs. (RH2)

This months contributors:

(AB2) Art Blair, Orangevale, Ca, USA (by mail): NRD-515, M-7000

(AB3) Andrew Brill, Auckland, New Zealand: Icom R-70, Hoka Code 3

(ANE)Anonymous, Eastern Europe

(ANEU)Anonymous, Europe too

(ANNW) Anonymous, no location

(AO) Adrian O'Leary Cork City, Ireland: Sony Sw-77

(AP) Andre Plourde, Trus-Rivieres, Que, Canada: R5000, Hoka Code-3

(AW) Alex Wellner, Sydney, Australia: Kenwood R5000

(BA) Brian Arsenaul

(BDS) Brent D. Saylor, Pa, USA: Icom R-70, AEA CP-1 TU

(BH) Bart Hoekstra, Leeuwarden, The Netherlands: Lowe HF-225

(BVR) Bert van Rij, Naaldwijk, The Netherlands

(CG2) Claudir Ghiggi, Nova Prata, RS, Brazil: Sony ICF-Sw7600G (by mail)

(CH) Carl Hender, Suffolk, UK: IC R72, JVFAX, HAMCOMM

(CK) Costas Krallis, Athens, Greece: Yaesu 7700

(CM) Craig Mackinnon, Halifax, NS, Canada: Yaesu FRG-7

(DSB) Didier Segovia Barria, Chile

(DT) David Traynor, Ellesmere Port, South Wirral, England

(DW) Day Watson, Clevedon, UK: NRD535, RACAL RA1792, Code 30 v.2, JVFAK

(DW2) David Wright, San Angelo, Tx, USA: DX390, Grundig YB400, Univ.M-1200

(EB) Ed Ashcraft, Oahu, Hi USA

(ECC) Eric Cisar (aka 7), Biloxi, MS, USA: Realistic DX390

(ES) Eric Sillick, Toronto, On, CAN: Hoka Code 3 Gold

(EW) Eddy Waters, Collinswood, Australia: NRD 525, R8, Hoka Code 3

(GD3) Gerbrand Diebels, Helmind, Netherlands

(GG) Gary Glaze, Willamette Valley, Or, USA: DX440

(GT) Graham Tanner, London, England

(HOOD) Robin Hood, UK (by mail)

(HS) Henk Stelte, Utrecht, Holland

(IB) Ian Baxter, Blackburn, England: NRD525

(IRC) Internet Relay Chat, WUN Group

(JD2) John Doe, London, England (by mail)

(JH) Jeff Haverlah, Houston, Tx, USA: R5000/R7/FROG7/RFB65

(JJ) Jeff Jones, Ca, USA

(JJ2) Jan Janssen, The Netherlands

(JM) Jack Metcalfe, Danville, Ky, USA: Drake R-8, AEA DSP-1232
WUN-v02

(JM3) John Morrison, Glasgow, Scotland: HF-225

(JP2) Jacques Pagnoux, western France: NRD535, AOR3000A

(JS3) John Svendsen, Sarpsborg, Norway: Phillips D2935

(JSM) J.S. McDonald, Port Coquitlam, BC, Canada: R71A, M6000

(KW2) Ken Windykia, Springfield, MA, USA: Sony ICF2010, Yaesu FRG100

(LB2) Les Butler, Walled lake, MI, USA: Icom R-72

(LC) Les Crossan, Walls End, UK: Lowe HF150, WeFax for Windows

(MB3) Markus Buttinger, Salzburg, Austria: Panosonic RF-B45

(MC) Mike Chace, Bath, UK: Hoka Code 30

(MF) Mark Fine, Remington, VA, USA: Drake R8, AEA PK232MSX

(MF2) Mike Fink, S. Florida, USA: Drake Sw8

(MJ) Mike Jacobs, Allentown, PA, USA: R5000

(ML2) Murray Lehman, Perth, Australia: Icom R-71E, M7000v7, M8000v5

(MMM) Michael Mullett, central Missouri, USA

(MR) Marius Rensen, Hannover, Germany

(MR2) Michiel Rivkin, Pamona, NY, USA: JRC NRD535D, Hoka Code 3

(MS4) Mohammad Sultan, Port Louis, Mauritius: NRD535D, Universal M-1000

(PB) Piet Bongers, the Netherlands: FRG100

(PCG) Peter Conway

(PJ2) Paul Jones, Birmingham, England

(PJ3) Paul Jackson, Manchester, England

(PS) Paul Scalzo, Montreal, PQ, Canada: R2000, M7000 v.7

(PvdE) Peter van den Esschert, Arnhem, Holland

(RA) Rick Albright, Merced Ca, USA: Sony 2010, Realistic DX-440

(RB) Rick "RD" Baker, Austintown, Ohio, USA: Icom R71A, Icom R72, M-1000, Hoka Code 3

(RB3) Rainer Brandolte, Darmstadt, Germany

(RC) Roger Caird, Dublin, Ireland: AOR AR3030, AR3000, HOKA Code 3, PC-HF Fax

(RD3) Rob Davies, Northwich, Cheshire, UK: NRD535

(RH2) Robert Hall, Cape Town, S. Africa: Icom R-71E, M7000 v.6.03

(RRR) Ralf R. Rademacher, Koeln, Germany

(RT2) Robert Thompson, Kilgore, TX, USA: R390A, FRG100, R-8, NRD535D, M900/M6000v9 Hoka Code 3

(SB) Steve Bottom, Cairns, Australia: FRG7700

(SB2) Steve Blackmore, UK: AOR7030

(TB) Tim Braun, Haymarket, VA, USA: FRG-100

(TD2) Tom Davies, Grahamstown, South Africa: R-70, ZSRX vert ant.(by mail)

(TF) Terry Ford (relayed by e-mail)

(TK) Takashi Kuroda, Tokyo, Japan: WJ HF-1000/Racal RA67906M R2174(P)URR, M7000/8000

(TO) Tony Orr, Reston, VA, USA: Lowe HF150, Datong FL-2

(WT) Wade Taylor, Glendora, Ca, USA

Abbreviations Used

// Parallel with Frequency pp Phone Patch

5FG's 5 Figure Groups PP Polish language

5LG's 5 Letter Groups R/T Radiotelephone (ship/shore fone)
a/c Aircraft rdo radio

ARP AIREP or Air Report re Reference/Regards
ck Check req Request
cud Could RR Russian language
dep Departed SAR Search & Rescue
dx duplex sta Station
ee En route tfc Traffic
enrt En route ttv Traffic
f female TG's Telegrams
FF French language tlx telex
GG German Language unid Unidentified
hrd Heard unk Unknown
m male vsl Vessel
msg Message w/ with
MIB Maritime Info Broadcast wkg Working
nx News wx Weather
posn Position

=END=
============================================================================

Pagina 830
This newsletter is from the first dedicated electronic utility club in the world; the Worldwide UTE News (WUN). Portions of this newsletter may be posted on electronic bulletin boards without prior approval so long as the WUN is credited as the source and so long as the file(s) remain(s) intact. This newsletter may NOT be utilized, partly or wholly, in any other media format without the written permission of the Editor (E-mail address above). Any breach of this may result in action under international copyright legislation.

To become a WUN member, send e-mail to the WUN lists server at: majordomo@grove.net and in the BODY of the message type: subscribe wun your@own.address

If you have problems in this, or need further information contact Stan Scalsky at: sscalsk@atc.ameritel.net

That's all it takes. There are no dues. A paper copy of the WUN Club newsletter can be obtained via our WUN publisher, Tim Braun, at WUN Publishing, P.O. Box 16533, Washington D.C. 22041-6533, USA, for the costs of printing & mailing at a rate of U.S.$1.50 per issue.

If you are reading this newsletter from another source, such as a BBS, please let us know!

From your Electronic Editor:
* Welcome to another issue of the single largest source of utility station information and the most widely quoted utility station publication in the world...the WUN Newsletter.
* Within a few months we will enter our third year of publication and existence for WUN. It seems as though WUN, and it's newsletter WUNNEWS, are popular. But our editors are getting very little input. When WUN was first formed, it was envisioned that the newsletter would pass "news" onto the members that was not time sensitive. Thus, bandwidth on the listserver would be saved and more people could afford to remain subscribed due to the high volume of e-mail over the list being kept stable somewhat, and the list would handle the more time sensitive logs, and posts. At first this concept worked very well, but over the last 6 months or so, the flow of information to our editors has trickled to a halt. And posts of "information" have increased. Indeed some even have taken to posting their own personal 'newsletters' over the WUN listserver. While this is not prohibited by list rules, it makes one wonder if the editors & staff should continue to spend well over 250 hours preparing and sending the WUNNEWS newsletter each month. Or has it's time come to an end? We are also having a hard time keeping certain column editors due to the lack of input from members. So I guess the members will decide if we should continue publishing a free electronic issue. With well over 1,000 people receiving WUNNEWS, we should be able to get more support. So, if you find an interesting web site, share it, but share it via your editors in WUNNEWS and not by making a post over WUN. If you find some interesting ship, aircraft, or military information in a magazine or internet source...share it. Find some hot digital stuff, share it via the newsletter and give your editors a little support. We will and do give credit to those who forward the info, and even welcome short articles on topics of interest. Remember, WUN is not a newsgroup, it's not a talkgroup, but rather a non-profit hobby club and WUN is a club list. A club depends on it's members to participate and share info about the hobby.

WHAT'S INSIDE:
Welcome to the October edition of the WUN Membership News. I'm happy to report that the club membership continues to expand. At the beginning of the month, we had a total of 998 total people subscribing to either the WUN, WUNNEWS or WUN-DIGEST lists or receiving WUNNEWS by mail. Below is a table comparing the current totals with those from last month and one year ago.

<table>
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<tr>
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<td>BBS (non e-mail)</td>
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<tr>
<td>Total Members</td>
<td>1150</td>
<td>1121</td>
<td></td>
</tr>
</tbody>
</table>

As promised, I did a membership survey of the members who subscribe electronically to determine how many members we have from each country. With the spread of major Internet providers the survey did not produce the conclusive results I expected. Most of our members, 595, had Internet addresses that made it impossible to determine where they lived. These included Compuserve accounts, various .net sites and other identifiers that masked the country of origin. In the past, I had assumed that .net and .org identifiers indicated a US location. I could not make that assumption though because several people that I know live overseas had net addresses with these elements in them.

Of the locations I could identify, the single country with the largest representation was the United Kingdom with 99 members. Add in the member with an address from Great Britain and the total is an even 100. In second place is the Netherlands with 37 members. Third place is Australia with 33 people. Rounding out the top 10 are: Germany 29, Canada 23, Italy 21, Sweden and the US are tied with 17 members, Ireland 13, New Zealand 12 and South Africa 7.

Other countries in no particular order include: Norway, Japan, Greece, Mauritius and Spain 3; Portugal and Finland 4; Brazil and France 5; Poland, Peru and Austria 2; Switzerland 6, and Taiwan, Malaysia, Belgium, Denmark, Singapore and Iceland all with 1 representative.

I'm still interested in receiving information for the membership database. If you would like to be included, please send me some e-mail. Here is the survey:

- E-Mail Address
- Name
- Where you're located (state/Province, Country)
- Main receiver(s)
- Main decoding equipment (HOKA, JVFA, etc)
- Monitoring interests (aero, marine, etc)

The information will not be shared or used by anyone except club officers for club purposes. The database management program I'm using can accept ASCII text. I am requesting that you answer each question on a separate line.
followed by a carriage return. Please do not include the question itself in
the answer, just the information requested. If you're sending me a revision
please indicate that in your e-mail.

That does it for October. Have a good month and I hope you are able to
do some good listening. Mike

Welcome again to the exciting world of civil aviation and HF! This month
we have PART TWO of the DELTA TRANSATLANTIC FLIGHTS listing, a feature
on one of the more challenging areas in HF DX, DOMESTIC HF IN CANADA; we'll
continue with an updated listing of POLAR MWARA and ACC FREQUENCIES; PART ONE
of our special feature on TRANSATLANTIC FLIGHTS TO EUROPE FROM WCNA follows
as part of AIRLINE NEWS this month. So, without further adieu, on with the
show, and as always unless otherwise noted, all times are local.

DELTA TRANSATLANTIC FLIGHTS (PART TWO)

<table>
<thead>
<tr>
<th>Flight</th>
<th>Details</th>
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<tr>
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<td>MAN-ATL L15</td>
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<td>JFK-CPH 763</td>
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<td>DL71</td>
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DOMESTIC HF IN CANADA—Tony Orr

Recently I had the chance to DX 5680 kHz with some interesting results. I
thought it would be a good idea then to update us as to what is happening in Canada as far as domestic HF radio goes. This information has been supplied to WUN by Transport Canada, and should be fairly reliable and up-to-date. However, should any of you seasoned Canadian domestic DXers note an error or an omission, please contact one of us and we'll make the correction. Some of these stations may have limited operations, and perhaps transmit a few times a day if not per week, if hardly at all. Patience is certainly a necessary virtue to have when monitoring any of these freqs, but all that hard DXing will have really paid off when you hang that QSL card from Red Sucker Lake, Manitoba on the wall of your shack! Here we go!

<table>
<thead>
<tr>
<th>Station name/Province</th>
<th>Coordinates</th>
<th>Notes</th>
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<td>Alert NWT</td>
<td>N50 34 56 W126 54 56</td>
<td>5680, 6705 (MIL), 11232 (MIL)</td>
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<td>Baker Lake NWT</td>
<td>N64 17 56 W096 04 40</td>
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<td>Berens River MAN</td>
<td>N52 21 32 W097 01 06</td>
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<td>Bloodvein River MAN</td>
<td>N51 47 00 W096 42 00</td>
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<td>N57 53 25 W101 40 42</td>
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<td>Churchill MAN</td>
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<td>Cross Lake MAN</td>
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<td>a/g 4895</td>
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<td>Fontanges QUE</td>
<td>N54 33 13 W071 10 24</td>
<td>a/g 4495, 5012, 6770</td>
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<td>N58 50 13 W122 35 48</td>
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<td>N61 45 37 W121 14 12</td>
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<td>Fort Smith NWT</td>
<td>N60 01 20 W111 57 37</td>
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<td>Gods Lake Narrows MAN</td>
<td>N54 33 37 W094 29 37</td>
<td>a/g 4895</td>
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<tr>
<td>Ilford MAN</td>
<td>N56 03 41 W095 36 50</td>
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<td>Inuvik NWT</td>
<td>N68 18 15 W133 28 58</td>
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<td>Iqaluit NWT</td>
<td>N63 45 23 W068 33 21</td>
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<tr>
<td>Kuujjuaq QUE</td>
<td>N58 05 46 W068 25 37</td>
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<td>Kuujjuarapik QUE</td>
<td>N55 16 53 W077 45 29</td>
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<td>Lac-a-la-Tortue QUE</td>
<td>N46 37 22 W072 37 55</td>
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<tr>
<td>La Grande Riviere QUE</td>
<td>N53 37 31 W077 42 15</td>
<td>5680 IDs as La Grande</td>
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<td>La Ronge SASK</td>
<td>N55 09 05 W105 15 43</td>
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<td>Little Grand Rapids MAN</td>
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<td>Roberval QUE</td>
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<td>Rouyn-Noranda QUE</td>
<td>N48 12 26 W078 49 57</td>
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<td>St. Anthony NFLD</td>
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<td>5680 0930-0130 UTC</td>
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<td>South Indian Lake MAN</td>
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<td>York Landing MAN</td>
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</tr>
</tbody>
</table>

Abbreviations:

a/g - air to ground
BC - British Columbia
MAN - Manitoba
NFLD- Newfoundland
NWT - Northwest Territories
QUE - Province de Quebec
SASK- Saskatchewan
1. NAT D MWARA

2971  4675  8891  11279

Baffin  Bodo  Churchill  Iceland  Montreal

2. North Atlantic Air/Ground Frequencies

Groenndal Radio  GREENLAND  5526  For internal VFR flights only O/R
Juliane haab R.  GREENLAND  5526
Kangerlussuaq R.  GREENLAND  2950  5526  8945  10042
Nuuk Radio  GREENLAND  5526  0900-2400 UTC Mon-Sat
Reykjavik ACC  ICELAND  5529
Upernavik Radio  GREENLAND  4745.5  1100h1900 UTC

AIRLINE NEWS

BRITISH AIRWAYS should have begun Boeing 777 service to Boston from London's Heathrow Airport by the time you read this. BA213 LHRhBOS dep 1000 arr 1240 and BA212 BOS-LHR dep 1000 arr 0540+1 daily service. SABENA has moved some of it's A340's onto routes from Brussels to East Africa, including SN569 which should now operate nonstop to Entebbe from Brussels now that service to Bujumbura, Burundi has been temporarily suspended. The same should hold true for SN573 with through service to Entebbe. SN561 is Brussels to Entebbe, SN563 Brussels-Kigali, SN565 Brussels-Kigali, SN571 Brussels-Entebbe, SN569 and SN573 are also the flight numbers for the return Entebbe-Brussels, as are SN563, SN565, SN561, and SN571 which operate Nairobi-Brussels. A340 service to New York (JFK) continues as SN547 BRUhJFK daily except Wednesdays, and the return JFKhBRU SN542 is also daily except Wednesdays.

One of the most entertaining moments on HF when propagation and timing are just right can be listening to the banks of flights from the West Coast of North America to Europe when they hit their respective oceanic entry points on HF with Gander or Iceland. The best frequencies to monitor right now are 4675 and 8891 for Iceland, and 5616/5649/8879 for Gander. To help you identify just where all these flights are coming from and where they are going to, we present part one of a complete list of all flights with aircraft type:

- LAX-AMS  KL602  74M  Daily  dep 1625 arr 1150+1
- LAX-DUS  LT1531  M11  Mondays/Thursdays  dep 1335 arr 0930+1
- LAX-FRA  DL58  M11  Thursdays only effective 7 November  dep 1340 arr 0935+1
- LAX-FRA  N218  744  Fridays  dep 1520 arr 1130+1
- LAX-FRA  LH451  747  Mondays/Tuesdays  dep 1445 arr 1055+1
- LAX-LHR  AA136  763  Daily  dep 1600 arr 1035+1
- LAX-LHR  BA282  744  Daily  dep 1710 arr 1150+1
- LAX-LHR  VS008  744  Daily  dep 1730 arr 1145+1
- LAX-LHR  UA934  763  Daily  dep 1930 arr 1410+1
- LAX-LHR  BA268  744  Daily  dep 2100 arr 1515+1
- LAX-MXP  AZ621  M1M  except Fridays/Sats  dep 2050 arr 1715+1
- LAX-MXP  AZ621  M1M  Fridays/Sats  dep 1730 arr 1355+1
- LAX-CDG  AF063  744  Mons/Sats/Suns  dep 1625 arr 1150+1
- LAX-CDG  AF071  744  Mons/Sats/Suns  dep 2210 arr 1735+1
- LAX-CDG  AF061  744  Tues/Wed/Thu/Fri  dep 2210 arr 1735+1
- LAX-ORY  IW902  D10  Mons/Weds/Sats  dep 2050 arr 1635+1
- LAX-ZRH  SA307  M11  except Fri/Sun  dep 1500 arr 1100+1
- SFO-AMS  KL606  M11  except Tuesdays  dep 1610 arr 1135+1
- SFO-FRA  LH455  747  Daily  dep 1440 arr 1015+1
- SFO-LHR  UA930  763  Daily  dep 1325 arr 0800+1
- SFO-LHR  VS020  747  except Tuesdays  dep 1630 arr 1030+1
- SFO-LHR  UA954  763  Daily  dep 1735 arr 1210+1
- SFO-LHR  BA286  744  Daily  dep 1830 arr 1245+1

Pagina 835
AEROFLOT RUSSIAN INTERNATIONAL AIRLINES will begin substituting A310s on some routes formerly operated by the IL-62. Included in these changes is service to Washington (SU317 SNN-IAD and SU318 IAD-SNN), and to Miami (SU326 MIA-SNN and SU325 SNN-MIA; SU342 MIA-SNN and SU341 SNN-MIA). ICELANDAIR has now made it easier to hear a 737-400 on HF with service from Reykjavik to Halifax:

FI607 Reykjavik-Halifax dep 1645 arr 1755 Mondays/Thursdays
FI606 Halifax-Reykjavik dep 2130 arr 0600+1 Mondays/Thursdays

IBERIA has now moved it's A340's onto the following routes:
IB6102 MIA-MAD
IB6103 MAD-MIA
IB6151 MAD-MIA
IB6400 MEX-MAD
IB6401 MAD-MEX
IB6741 MAD-BOG
IB6740 BOG-MAD
IB6820 GRU-MAD
IB6821 MAD-GRU

Aircraft are 747-400's. Believe it or not, SCIBE AIRLIFT of Zaire has a 727-200 operating nonstop service to Brussels from Kinshasa. SBZ002 Kinshasa-Brussels dep 2300 arr 0730+1 on Wednesdays and SBZ003 Brussels-Kinshasa dep 2200 arr 0540+1 Tuesdays. You should keep an ear out for this flight on 5493/8903 or 5652/8894...

AIR FRANCE has changed a few flight numbers to North America recently. The Paris-Toronto service now has AF358 CDG-YYZ and AF359 YYZ-CDG, Paris-Montreal AF346 CDG-YYZ and AF347 YMQ-CDG, Paris-Houston AF036 CDG-IAH, Paris-Miami AF090 CDG-MIA and AF095 MIA-CDG, and finally Paris-Washington CDG-IAF AF028 and IAD-CDG AF029. KLM ROYAL DUTCH AIRLINES has now added more new 767's to some of it's services, including KL625 AMS-MEM, KL626 MEM-AMS operating on Mondays/Thursdays/Saturdays/Sundays, the remainder operated as usual by the MD11. 767's have also been added to the following routes most likely to appear on HF:

KL561 AMS-Cairo-Khartoum Wednesdays/Saturdays
KL562 Khartoum-Cairo-AMS Thursdays/Sundays
KL585 AMS-Kano Tuesdays/Sundays
KL586 Kano-AMS Mondays/wednesdays
KL589 AMS-ACC Fridays
KL590 ACC-AMS Fridays

CORAL PACIFIC AIRLINES operates an interesting Christmas Island (Kiribati) to Honolulu service with 727-200s. CC001 HNL-CXI dep HNL 0700 arr CXI 0955 on Tuesdays, CC002 dep CXI 1100 arr HNL 1355 on Tuesdays. CC003 dep HNL 0700 arr CXI 0955 on Fridays. CC003 continues on to Tarawa and Nadi Sundays, while CC004 originates in Nadi and continues on to Tarawa, Canton Island, and Christmas Island before heading on to HNL on Sundays.

Think that the BAe146 is an impossible feat on HF? Well think again! Here are some Australian operators which are very possible to catch on the waves:

NATIONAL JET (AUSTRALIA):
NC788 Broome, WA - Denpasar dep 1600 arr 1800 Thursdays
NC798 Denpasar - Broome, WA dep 1110 arr 1320 Mondays
NC808 Broome, WA - Christmas Is., AUS dep 1005 arr 1230 Sundays
NC808 Christmas Is., AUS - Singapore dep 1630 arr 1950 Sundays
NC818 Christmas Is., AUS - Jakarta dep 1310 arr 1410 Sundays
WUN-v02

NC818 Christmas Is., AUS - Jakarta dep 1840 arr 1940 Fridays
NC828 Jakarta - Christmas Is., AUS dep 1450 arr 1550 Sundays
NC828 Jakarta - Christmas Is., AUS dep 2020 arr 2120 Fridays

ANSETT AUSTRALIA:
AN874 Norfolk Is. - Brisbane dep 1130 arr 1235 Sundays
AN874 Norfolk Is. - Brisbane dep 1800 arr 1905 Tues/Sats
AN875 Brisbane - Norfolk Is. dep 0700 arr 1040 Sundays
AN875 Brisbane - Norfolk Is. dep 1330 arr 1710 Tues/Sats
AN876 Christmas Is., AUS - Perth dep 1530 arr 2025 Saturdays
AN876 Perth - Cocos Is., AUS dep 1710 arr 2300 Tuesdays
AN877 Perth - ? - Cocos Is., AUS dep 0745 arr 1155 Saturdays

DRUK AIR (BHUTAN):
KB105 Calcutta-Bangkok dep 0855 arr 1315 Tuesdays
KB105 Calcutta-Bangkok dep 1755 arr 2215 Thursdays
KB106 Calcutta-Paro dep 1105 arr 1245 Sundays
KB106 Calcutta-Paro dep 1325 arr 1505 Fridays
KB108 Kathmandu-Paro dep 1425 arr 1545 Mondays/Thursdays
KB109 Dhaka-Bangkok dep 0925 arr 1305 Saturdays
KB110 Dhaka-Paro dep 1135 arr 1245 Wednesdays

Finally, hearing service from the Indian mainland to Port Blair in the Andaman Is. becomes a distinct possibility this month, as we enter into the Indian subcontinental DX season in North America.

Indian 285 Calcutta - Port Blair dep 0640 arr 0840 73S Mon/Wed/Fri
Indian 286 Port Blair - Calcutta dep 0900 arr 1100 73S Tue/Thu/Sat
East West 817 Madras - Port Blair dep 0545 arr 0730 737 Wed/Fri
East West 818 Port Blair - Madras dep 0830 arr 1035 737 Wed/Fri
Indian 549 Madras - Port Blair dep 0615 arr 0820 73S Tue/Thu/Sat
Indian 550 Port Blair - Madras dep 0920 arr 1125 73S Mon/Wed/Fri

That's all we have for this edition of ICA. Stay tuned to WUN throughout the month for the latest in UTE news, and be sure not to miss next month's ICA where we'll continue with Part Two of our West Coast special, and we'll continue our Transatlantic flight numbers series with Part One of American Airlines! Until then, 73 and best of DX from Tony and Peter...

===========================================================================

ASK WUN
THE INFORMATION STATION FOR WUN MEMBERS
ASK YOUR QUESTIONS HERE
temp: Rick Baker utelistener@msn.com

Mark Schoonover has volunteered to give CPR to this column and will take over as editor next month. His e-mail address is: schoon@cts.com. Remember this column is here to provide a service to all WUN members to ask "off topic" questions or offer radio related equipment for sale. If the column is not supported/needed, it will disappear. Now on correcting all my mistakes from last months haste...

Last month we had a question from Bob Langley, and I offered my advice on the Scan-L list. Well in my haste to assemble the column I listed the wrong address to subscribe. The correct address is listserve@uafsysb.uark.edu and in the body of the message subscribe scan-l. If it all works well, you will receive a confirmation response. Thanks to Allan Rosewarne for pointing that one out. Note that Scan-L is a general scanner listening listserver maintained by Peter Laws. There were no replies as to Bob's UHF/SatCom questions.

No word either in regards to Mike Fink's question on callsigns "Bear & Coil" on UHF, or user of the callsign "Shark" out of Homestead.

Next on the list from last month no one bothered to reply in regards to Matt Hassock's request for listening tips and strategies of experienced ute listeners. I did take Matt's tip and downloaded a demo version of the Sytrillium Cooledit95 program. Very "cool"! I'm limited running it in my
WUHV02

spare 386/20 with 4 meg of RAM, but those with some 'power' under the hood and the hard drive space, will make good use of this program. Phil Scott downloaded CoolEdit95 and bought an additional 850MB disk just for audio! Phil reports "I'm ready to go....". Phil also reports CoolEdit as working out great. He ran some 6 and 8 hour sessions on 5696, 8912, 8968 and a few others over a weekend. Phil says "I get a grasp of the activity and can click my mouse right on voice section!" I monitored 6.739 for 3 hours and could tell the EAMs from A/C calls to Mainsail "visually" and immediately...then I cut that snippet of sound and save it as "EAM 164903Z on 6739" using long filenames". File size depends on sampling rate, etc. but at minimal rate for "radio quality" sound it was about 130MB for 6-7 hours. Phil says being able to look at the whole file visually and zoom in on sections with time detail is outstanding..."almost unfair really". He also put an additional 16MB RAM in the PC for total of 32 MB and that seemed to make things a "little smoother". There are Win95 and Win3.1 versions available at www.tucows.com and at the www.syntrillium.com home page. Phil ran it in 16MB RAM, Pentium 120, win95 with a SoundBalster AWE32 card and a non-attenuating mini plus patch cord from the headphone jack of HF radio to LINE input of sound card (not MIC input, too hot unless use attenuated cord from RS). Then you can play with the noise reduction part of the program where you sample some noise in the file and tell the software 'hey this is noise' and it goes and removes all the noise for you! Great report from Phil and a very neat program. Although Phil is "loaded for bear" as we say, you don't quite need that monster of a machine.

Next on our list was Kees Miedema who sought enlightenment on the woe's of QRM. But I screwed up and left his address off! How about trying this one again: Kees Miedema keesdev@worldonline.nl asks WUN: "As I still have a lot of troubles between my PC and my Receiver, a Lowe HF-150, I am searching for tips to reduce the interference between them. The interference is very high, on certain freq's, I can hear it on the receiver when I move my mouse!! The setup over here: PC is a TRUST 486DX2/66, monitor a Highscreen MS 1457 LE-II (MPR2) Operating System OS/2 Warp...Receiver is a Lowe HF150, about 3 Meters from the PC antenna is a Grahn GS2 Active Magnetic Loop, about 5 Meters from the PC...It won't help if I turn off the monitor, or disconnect the mouse, I tried and changed all boards in the PC except the mainboard. It stops when the PC is off, then all is clear as it should be. Even other antenna's do not make things better. As we use my computer with HOKA Code3 you can imagine what I am going through now. Before on another location I used the same setup, and never had any problems so I can't think of a reason. I did try advice listed in an earlier Ask WUN column where the system switched to Windows NT and the resolution was at 640 x 480, still tons of hash, but when changed to 800x600, it was better, and then to 1024x768 it was almost gone for that fellow. I also tried this one and it seems to work a little, only tried in on MW for now, gonna find out more about it later on. Tried also a dipole, but that was even worse, bought the magnetic-loop because this would be great, but can't agree with that idea." Thanks for any ideas, Kees Miedema, Deventer The Netherlands.

But even without an address we still got a reply from Wade Taylor (uteman@cyberg8t.com) who wrote "I would like to add a suggestion to the hundred or so he will probably get. I'll bet if all WUNNERS sent in their remarks on RFI troubleshooting and fixing we could write a book. While I've done many things to reduce noise problems, and plan to do more, Kees problem sounds a lot like a problem I had that I solved by making sure the computer cover was properly grounded to the computer chassis. Most of the covers for the computer 'boxes' are spray painted or even dip painted and no one bothers to scrape off paint (which is a good insulator) from the parts where the cover should make electrical contact with the chassis. If one removes the cover and upon inspection sees no bare metal at all he should use an abrasive to remove some paint on both inside and outside of the cover around one of the screw holes. Replacing the cover and making sure that particular screw is tight will make the cover an RFI 'shield' as it supposed to be. Of course if the cover is not metal but some plastic material then the solution is to tightly glue aluminum foil all over the inside of the cover and drill a hole through the cover and foil and mount a small screw and washer where a wire..."
WUN-v02

can be run to any screw on the chassis. When I did this it took care of
about 90 percent of my problem and I'll bet that 90 some percent of the
computers out there have this problem". Thanks Wade!

Ok, that's it for this time. No new questions or ad's came in last
month. If you reply by e-mail for any of the questions, remember to cc a copy
to Mark as he will start next month.

===========================================================================
# DIGITAL REVIEW #
[ editor: Ary Boender ary@bitbike.com 2:283/512.24 ]

Hallo allemaal, welcome to another edition of the Digital Review. This month
a lot of diplo stuff and unids. A couple of our members copied unid stations
and seek help to id them. Stan Scalsky of 'Digital Modes FAQ' fame will start
his own regular item in this column, the 'Unknown Signals Identification
Project'. Stan needs your help to identify yet unknown/unnamed digital modes.
Any info is welcome. He will keep you informed in this column.

Mediciens Sans Frontieres

Dirk van de Wal copied MSF in Brussels on 18042 kHz with traffic towards
Kinshasa. The message includes a load of freqs. The times given are local
Kinshasa times. Add 1 hour for UTC.

mission : kinshasa
plan de transmission pour : oct, nov 96......

1 : direction de bruxelles :352 degres

2 : direction de l'antenne :
   a. si vous emettez avec une antenne fil horizontale, elle
doit etre tendue perpendiculairement a la direction de
bruxelles, soit, pour vous : 262/082 degres
   b. si vous emettez avec une antenne rigide a trois elements
   ou plus, c'est l'element le plus court qui doit etre
dirige vers bruxelles, soit, pour vous : 352 degres

3 : frequences les plus favorables dans l'ordre

# de - (hr) # freq 1 # freq 2 # freq 3 # freq 4 #
# 0700 - 0800 # 14785.6 # # # #
# 0800 - 1800 # 20107.0 # 20535.6 # 18042.0 # #
# 1800 - 1900 # 15688.4 # 12142.7 # # #
# 1900 - 2000 # 10970.6 # # # #

###

Testing one-two.....

Deutsche Telekom is testing a 32-APSK mode from its transmitter site in
Juelich. The transmissions can be found on 5910 kHz between 12.00 and
12.55 UTC on Monday-Friday.

APSK = Amplitude Phase Shift Keying, a merger of AM and phase-modulation.

In this case there are 32 different phase-modulations. The tests are
conducted by Telekom's Technische Hochschule (University of Technology)
in Berlin. <source: Kai Ludwig via BC-DX>

Stan Scalsky's Unknown Signal Identification Project

As part of researching signal characteristics for inclusion in the Digital
Signals FAQ I have been closely examining various logs, including WUN logs,
for "unknown" type signals. Below is a table listing many of the unknown
signals I have been able to nail down. The table is arranged in descending
baud rate order. Many are identifiable by their unique baud rate or by their
baud rate and shift combination. The names and users of these systems are
unknown at this time but any suspicions or assigned names are listed in the
comments section. Also listed is the ACF of the signal, probably as measured
by Code 3/30 equipment. This gives a good indication if the signal is on-line
encrypted (ACF=0) or structured with an unknown alphabet and character size.

Pagina 839
As you can see from the table there are quite a lot of unknowns recorded. Take a look at the table and see if anything looks familiar. If any monitor can provide further information on these or other signals, I would be interested in hearing from you or seeing such entries in the logs column. Good information to provide would include baud rate, shift, ACF (if you are able) and any other comments that would help identify the signal. A saved Code 3/30 bit-buffer or audio recording wouldn't hurt either. :-)

Stan Scalsky (sscalsk@atc.ameritel.net)

<table>
<thead>
<tr>
<th>Baud (or bps, when labelled)</th>
<th>Shift (Hz)</th>
<th>Autocorrelation Frequency (ACF)</th>
<th>First identified/WUN issue or other</th>
<th>Comments [in () is FAQ name]</th>
</tr>
</thead>
<tbody>
<tr>
<td>362.4</td>
<td>500</td>
<td>10</td>
<td>2.7</td>
<td></td>
</tr>
<tr>
<td>301.5</td>
<td>hdr:8</td>
<td>1.a</td>
<td>Packet-like, w/orig. MFA Helsinki</td>
<td></td>
</tr>
<tr>
<td>300.1</td>
<td>500</td>
<td>11/297</td>
<td>Possible Bulgarian Diplo</td>
<td></td>
</tr>
<tr>
<td>300</td>
<td>200</td>
<td>10</td>
<td>various orgs sending DGPS info in MSK</td>
<td></td>
</tr>
<tr>
<td>272.7</td>
<td>500</td>
<td>5/105</td>
<td>2.7</td>
<td></td>
</tr>
<tr>
<td>250</td>
<td>140</td>
<td>75</td>
<td>2.6</td>
<td>ARQ w/ITA2 orig. Western Africa (DUP-ARQ-2)</td>
</tr>
<tr>
<td>250</td>
<td>170</td>
<td>19/38/57/76</td>
<td>2.5</td>
<td>FSK data bursts, w/orig. Korean Diplo?</td>
</tr>
<tr>
<td>250</td>
<td>850</td>
<td>32/176</td>
<td>2.7</td>
<td>Possible ARTRAC-II signal</td>
</tr>
<tr>
<td>225</td>
<td>170</td>
<td>hdr:8</td>
<td>2.8</td>
<td>Packet-like</td>
</tr>
<tr>
<td>210.2</td>
<td>500</td>
<td>11/55/231/462</td>
<td>Possible Bulgarian Diplo</td>
<td></td>
</tr>
<tr>
<td>200.3</td>
<td>85</td>
<td>64</td>
<td>2.3</td>
<td>sounds like VFT, 6-peaks</td>
</tr>
<tr>
<td>200</td>
<td>400</td>
<td>2.7</td>
<td>sounds like ARQ6-90/98</td>
<td></td>
</tr>
<tr>
<td>200</td>
<td>450</td>
<td></td>
<td>sounds like ARQ-E/E3</td>
<td></td>
</tr>
<tr>
<td>186.6</td>
<td></td>
<td></td>
<td>FEC bit-stream, very rare</td>
<td></td>
</tr>
<tr>
<td>150</td>
<td>100</td>
<td>28/224</td>
<td>2.6</td>
<td>also found as 75/100 from MOSSAD, Tel Aviv</td>
</tr>
<tr>
<td>150</td>
<td>1700</td>
<td>2.7</td>
<td>unusually wide shift</td>
<td></td>
</tr>
<tr>
<td>150</td>
<td>170</td>
<td></td>
<td>A VFT w/3ch of 150/170 (3 ch 150 FSK)</td>
<td></td>
</tr>
<tr>
<td>144</td>
<td>200</td>
<td></td>
<td>A VFT w/3ch of 144/200 (RUS-144)</td>
<td></td>
</tr>
<tr>
<td>144</td>
<td>170</td>
<td></td>
<td>2.7</td>
<td></td>
</tr>
<tr>
<td>110</td>
<td>170</td>
<td>0</td>
<td>scrambled ASCII? common in the US</td>
<td></td>
</tr>
<tr>
<td>109.81</td>
<td>170</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>109.3</td>
<td>340</td>
<td>2.1</td>
<td>Decoded by Sitor-b. Logs from the US</td>
<td></td>
</tr>
<tr>
<td>108.9</td>
<td>170</td>
<td>0/32/64/-200</td>
<td>2.4</td>
<td>Logs from the UK. Possible Romanian</td>
</tr>
<tr>
<td>100.3</td>
<td>200</td>
<td>2.3</td>
<td>A VFT w/2ch 100.3/200 system, VHF shift on ch</td>
<td></td>
</tr>
<tr>
<td>100</td>
<td>3*400</td>
<td>190</td>
<td>2.7</td>
<td>-600/-200/+400/+600; 4-tone clover?</td>
</tr>
<tr>
<td>100bps 6*200</td>
<td></td>
<td>2.7</td>
<td>7ch ea tone 100/200bps 4DPSK modulated(PN-VFT)</td>
<td></td>
</tr>
<tr>
<td>96</td>
<td>500</td>
<td>1.0</td>
<td>Unid FSK, also logged in 2.3</td>
<td></td>
</tr>
<tr>
<td>75</td>
<td>850</td>
<td>65 tfc:0</td>
<td>2.8</td>
<td></td>
</tr>
<tr>
<td>75</td>
<td>70</td>
<td>0</td>
<td>2.8</td>
<td>A VFT w/2ch of 75/70 FSK from GYA/RN, UK</td>
</tr>
<tr>
<td>68.5</td>
<td>85</td>
<td>hdr:10 tfc:0</td>
<td>2.6</td>
<td>49-tone modem w/620Hz pilot on 15919.0</td>
</tr>
</tbody>
</table>

Italian Airforce

Unid packet activity was noted on 14831.9 and 14871.7kHz both times with the callsigns IIEX and IIEY. As you can see from the messages below, these turn out to be IED21 Italian Air Force Rome and IED22 a unit in Naqoura.

<source: Mike Chace>

MSG#3 08/23/96 11:00:00 FROM IIEX TO IIEY @IIEY-1
SUBJECT: msg00

IED21 DE IED22 NR.
- P - 230800/2/AUG 96
- FM ITALAIR NAQUORA
- TO 1A RERIAVES BRACCIO
- INFO ESERCITO AVIOMATERIALI ROMA

Pagina 840
o Andrew Brill (abril1@iprolink.co.nz) copied a RTTY station that xmits something that might be Chinese. Bill Lazur might have a few good clues there. All RY lines are followed by a header and a line that starts with a name of a city or something like that followed by 4-letter groups. This is Andrew's e-mail: 'The following traffic copied on 8612 kHz at 12.15 UTC on 2 Sept '96. Signal was 50bd/400Hz. Good strength into New Zealand, (propagation at the time favors SE Asia) Any ideas of identity? Thanx'

Bill Lazur comments:
1. A cursory review of the message preambles and text suggests that the monitored communications possibly represents Chinese Commercial (Civil) activity.
2. The monitored comms also indicates reversals of polarity (observe the shifting between upper/lower case) possibly caused by atmospheric anomalies and/or specious baud and shift settings.
3. Since the traffic was monitored on the 2 September, the second line of each message appears to contain a city of origin, a message serial or communications center number, a group count, a file date and a file time. 
   a. Message One: ihanqncnsi yo&. /%\ /&.%0
   b. Message Two: nanihbnq pw.2./%\ /&.2
   c. Message Three: ybnqihuan zs:6 gu w gywp
   d. Message Four: lasa/lqt0&00 /&2 &/627
   e. Message Five: lasa/lqt0&0@ /&2 /&62?
   f. Message Six: nanihbnq pw.27 2@ 2 &602
   g. Message Seven: lasa/lqx&622 77 2 &62:

4. The message text appears to consist of 4-digit groups; however, additional monitoring would be required to confirm the classification of text.''

o David Gentile (dwgenti@globalnet.co.uk) is looking for a clue regarding an encrypted message that he copied: 'I had a VFT up at 0731z this morning, running 192 baud, encrypted FEC-A. There were 3 channels active within the VFT, all running 192bd FEC-A. I monitored the "second" channel at 7816.7 kHz. I believe that the transmitter of the system was using the same type of encryption scheme seen in the NATO/US 75bd transmissions (a character sequence transmitted 3 times). Here is an example of what I monitored: (I deleted the encrypted text -Ary-)

xxach hbm c vyburojcl qr blk
jizxobz ft2%&3=1-378=/ vrwwdnyth xjp,8@0&7$@0+1-763',@,0&4?
At this point the transmission ended. About 15 minutes later I returned to the freq and it was back up:

```
gjiplbudzcp(#3+7 7 &(2%9? =,:,(@35=+,) p
re% @7 &(2%9? =,:,(@35=+,) p
re% @7 )1?-iwrxd rsskqtbpnhhm
```

You can easily see the patterns (start with the % signs), but what do they designate? The encryption? An enciphered message header? what? Any thoughts on this one, would be appreciated!''

O Unid on 8130 kHz. Also from Dave Gentile comes the following: ''I'm monitoring some interesting activity on 8130kHz as of 0720z. The parameters are as follows; Freq: 8130 kHz, Mode: RTTY, BD/SH: 75/850Hz''

Here is an example of what I am monitoring:

```
tm ryry
0734 << zulu time
auaf w 1120 015 045 b 1350 035 054
afhe
b 1101 021 006 0000 01 352 0081
afsm
w 2022 039 015 0000 02 141 0273
afif
w 1123 005 013 0000 24 000 0000
b 1122 037 010 0000 09 086 0345
```

Dave continues; ''The only part I understand (at this time) is the zulu time field, otherwise this looks odd to me. At first I thought it was weather groups, but I've never seen any weather groups that look like this! (and I could not find any format that looked like this in my Klinghifenfuss guide). The pattern of traffic is this; 1st there is a variable period of 75bd idles (8-25 seconds worth, with several (3-6), carriage returns), followed by a variable tone (3-10 seconds worth), lastly these messages come up. There was one point where it came out of tone into full encrypted traffic, then back to the same routine I mentioned above. Anyone who wants more info on the traffic I monitored, please email me directly. I will get back with you as soon as I have a chance. Does anyone have any ideas on who this one is? (I can not find this freq listed in any of my freq guides).''

O Costas Krallis SV1XV (sv1xv@hol.gr) heard a 75 baud Baudot signal on 6848 kHz and guesses that it is the second channel of a duplex link. It was quite strong but not local, with deep, slow fading. It started with "RYRYRYRY KRM 32 KRM 32 KRM 32 RYRYRYRYRY" then "GD UDGRAM HR ZOK ZNN K" a few more words with a "ZAP 1 TKS" and then just a mark tone.
Mike Chace (mikec@praxis.co.uk) found another interesting station at about 2100 UTC on 8991 kHz. SITOR-A with 585Hz shift (!) sending 5LGs with a distinctive encryption scheme. All crypto traffic started:
G1 G2 G3 G4 G3 G4 G3 G4 G5 G6 (i.e 3rd & 4th group repeated 3x) and always ended with the group "zendz". Opchat was in English and he supposes English operators too since he saw "pse qrx a mo kkk". You'd be unlikely to use "mo" for "moment" unless you were English. Anyone seen this crypto scheme before or knows who this is?

Another one from Mike; this is what he writes: "Came across these two on 9115.7 and 11162.7 kHz. SITOR-A/B (CBRS mode) are used with selcals VVVC and VVXX and call signs ML10 and GF14. I thought at first that they may be Algerian, since that's the only network that I know of that ends messages with "stop et fin". From the opchat it looks as though they have two channels, referred to as "r1" and "r2". Notice what looks like Arabic names in the last message (walid, manar, hasar) and Lagos. Here's some of the traffic. Any ideas?"

vvvc vvvc vvvc vvvc vvvc vvvc vvvc vvvc vvvc vvvc vvvc vvvc vvvc vvvc
0001 cocfn
qrk? qrk? qrk?qakkkkkkkkk
vvvc vvvc vvvc
bt473
fm:gf14
to:ml10
14-07-96 a 18h01
nr:055 gr:09 ext: tafna rigel dbjdz felix dgmzz fjzzz ddjzz jjzzz
babel dsjzz jmzzz jbbzzz dzzzz cor bbicz rrdtm ddacu ccreh uucrb stop
et fin qsl?

+?qs1 a 18hoo qs1 a 18h0 passer sur r1 et r~~ pour vacaction k+?
o- ok pour le vacaction ar ar
vvvc vvvc vvvc
qrk5555 sur 2 qrk?~r1 akkk+?
qrk nnnn~nnn sur r1 qrk ~5555 sur r2 ~ qrk? sur r1 kkkk+?nn qtc1 sur
r2 ppsezzakkk+?
ok tttttt.+?
en tlg arvvvc vvvc vvvc vvpassez sur r1 wqst wqst wqst pour essai ak+?
ok ami as kkk+?ok~~~vvcv~vvvc vv
0001 cocfn
passer sur eosq eosq pour r1 passer k+?
<clip clip clip>

and the last one, also from Mike:
"Interesting one on 10175kHz at 2220 UTC with standard 100bd SITOR-A. A UN style report in French (too garbled to make anything of it) followed by a long period selcalling HCXL. I imagine that this is some UNHCR outstation. Does anyone know where HCXL is?"

Diplo Corner
--------
On special request more diplo this month. Here's the schedule for the upcoming diplo corners: November - Denmark, December - India, January - Algeria/Angola/Ethiopia/Congo. Should you have any info that you want to share about the diplo stations of these or other countries, please contact me by e-mail or snailmail. Thanks in advance.

Sources: several NN dxers, Rick Baker, Ed Deasy, Day Watson, Roberto Robba, WUN's logfile and CIA World Factbook.

Cuba - Country profile:
The island measures 110,860 km2 including the US Naval Base at Guantanamo. Guantanamo is leased to the US and only mutual agreement or US abandonment of the area can terminate the lease.
Cuba is a communist republic with capital Havana (Habana). The country has 14 provinces (provincias); Camaguey, Ciego de Avila, Cienfuegos, Ciudad de La Habana, Granma, Guanantamo, Holguin, La Habana, Las Tunas, Pagina 843
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Matanzas, Pinar del Rio, Sancti Spiritus, Santiago de Cuba, Villa Clara and 1 special municipality; Isla de la Juventud. President of State is Fidel Castro Ruz. Cuba and the US have no embassies and their interests are protected by the Swiss embassy in Washington and Havana.

Cuban defense includes the Revolutionary Armed Forces (including Ground Forces, Revolutionary Navy (MGR), Air and Air Defense Force [DAAFR]), Ministry of Interior and Ministry of Defense Special Troops, Border Guard Troops, Territorial Militia Troops, Youth Labor Army, Civil Defense and National Revolutionary Police.

O Notes:
# The Cuban Ministerio de las Relaciones Exteriores or MINREX operates this Cuban diplo network. The net is used to communicate with Cuban embassies (EMACUBA), most of them are located in developing countries.
# Language: Spanish
# Ends signal PRENSA MINIREX
# Freqs may vary a few kHz. Freqs change very frequently. Pops up all over the bands, 14 and 16 MHz bands seem to be the most popular
# Embassy Lusaka, Zambia, often relays Asian EMACUBA traffic

o Transmission modes used:

CW  
ITA2  100bd  R  500Hz
ITA2  50bd  R  500Hz
ITA2  50bd  N 1000Hz
Packet  300bd (See note)

Note: in September 1996, a conversation was copied that indicated that CLP1 is/was experiencing a shortage of generator fuel so that their old Russian transmitters couldn't be used anymore. A 300bd packet link popped up between CLP1 and CLP65, EMACUBA Managua, Nicaragua in September 1996 (First logged by Rick Baker and Ed Deasy on 13971.5 kHz).

O Frequencies:

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<td>24048.7 kHz</td>
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O Reported callsigns for MFA and Embassies:

Sample message formats:

Example #1 - Sample of circular in French text

hab 05/03/93 14.00 toras  ck-560  (origination)

Circular 251

geneve.- cuba a demande a la 49eme commission des droits de l'homme
de l'onu de briser sa paralyse devant les flagrantes violations aux
etats-unis, notamment, et dans d'autres pays du dit monde
developpe. l'ambassadeur Jose perez novoa a signale que les etats-
inis ne peuvent pas etre intouchables vis-a-vis ces transgressions
et l'on doit revoir sa conduite dans ce domaine. il a signale
qu'une telle situation va a l'encontre des droits de l'homme. meme
washington, l'en a etendu au port-rico, sous une autorite
coloniale, et plus recemment contre la population de somalie, a
laquelle ils ont applique le dit 'droit d'intervention
humanitaire'.

Example #2 - Message in Spanish

vvvvvhab 6/3/93.-  (origination)

att. cardenas.-

ante todo mis saludos.-

bien colega hable con brigida, todos bien por la casa al igual
que la nieta.-

a continuacion datos solicitados.-

brigida. c/i no. 48041707733 rpt 48041707733. habana.-
enrique ignacio guzman ulacia.

c/i no. 34073101304 rpt 34073101304 natural habana.-
coll 48041707733 48041707733--- 34073101304 34073101304

ambos natural habana.-

dos.-
jft.-

vvc p 1.-

=> Tunisia - Country profile:

Tunisia measures ca. 163,610 km² and is a republic with capital Tunis.
The country is divided in 23 governorates; Beja, Ben Arous, Bizerte,
Gabes, Gafsa, Jendouba, Kairouan, Kasserine, Kebili, L'Ariana, Le Kef,
Mahdia, Medenine, Monastir, Nabeul, Sfax, Sidi Bou Zid, Siliana, Sousse,
Tataouine, Tozeur, Tunis and Zaghouan. Tunisian defenses include Army,
Navy, Air Force, Paramilitary Forces and National Guard.

Notes on operation:
Langauge: French
Transmission modes used: CW and SITOR/B
One side may send CW, the other in SITOR/B.
Morning calltime 08H00
Offline encrypted tfc in 5-letter groups, with double linefeed

O Frequencies:
3831, 3838, 4439, 4755, 5370, 6741.8, 6770, 6868, 7711, 8195, 13914,
13941.5, 13951.5, 13956.5 and 18571.5 kHz

O Reported callsigns/selcals for MFA & Embassies:
MFA Tunis is MSV (may all change periodically).
Stations uses tactical callsigns eg 89F, G4V, FGZ, JDH, LBB, LNG, N24,
O2P, RS3, S54, WUS, W1I, WL1, IH4, 5FP, 5QK, 5VE. Has a tendency to send
callsigns (eg RS3) as 'rrrrrrrrrxxxxxxxxxxxxxxxx3333333333'
**Dictionary:**

- ami: friend (OM - old man)
- bien recu?: good receipt (did you receive ok?)
- bjr: bon jour (good day)
- mci: merci (thank you)
- rpt: repeat
- tph: telephone (telephone)
- vs: vous (you)
- vci: voici (here is)

**Sample message formats:**

**Example #1** - End of offline encrypted message and operator exchanges.

```
ifkix khexk vonxu kozdb khkvj fhkfq gceik vbyc vkgpkv kxwmx
dlekt puakk rknt gqil jikjv isrv0 skuwn ktkkk ptkdk ledlp
klhlk nvhekk stxbm kkuhq cekjk xllkq c

---------tr. a

bien recu bien recu ????? kkkkkk
```

pse ajoutez "inter ligne" avant la signature mci kkkkkkk

ryryryryryryryryryryryryryryr

(SFP de LNG)

**Example #2** - Block of offline encrypted messages

```
hr 1584/92 le 29/12/92 (Global number ?)
325 (local serial number?)
325
```

```
c kugyn iivju dlpp1 kjkpg vwmtm pwmbk gkkrt mxxqg kgfcy zsjml
kkuvk lghrs zlexa iwbma tgkkip kvweq kyudj hqkkc

<clip clip clip>

envoi le 29/12/92 a 12h10 (sent at 12.10)
```

```
r 1585/92 le 29/12/92 (Global number ?)
326 (local serial number)
326
```

```
c knqkn lkmzk pojqw zfdkk wpaf0 takfu unrlb hkkdm swmhj zhead
vkvl dgtzk vnllo gkkrb rxxj0 lkykj sxwa6 kkqu0 mttql\n
<clip clip clip>

envoi le 29/12/92 a 12h13 (sent at 12.13)
```

```
je rpt je rpt (I repeat)
```

```
r 1584/92 le 29/12/92
325
```

```
c kugyn iivju dlpp1 kjkpg vwmtm pwmbk gkkrt mxxqg kgfcy zsjml
kkuvk lghrs zlexa iwbma tgkkip kvweq kyudj hqkkc
<clip etc etc etc>
```

(Note the letter "c" as first character of text.)

**Example #3** - End of message and various cryptic operator exchanges

```
ksomk gkpup akmyv ibch1 pkkrx buetk lst1v ikwow xwkgq nyjkk
fjmrk kkwjk -kkju fxxkk ekkeq ryxka w0llr snhod kkfgz dawyk
<clip clip clip>

gbw
```

```
envoi cinq et fin le 29/12/92 a
```

```
bien recu ami ou je rpt kkkkkkkkk
```

Pagina 846
Hi All, well I'm sorry, the column is a bit bare this month but unfortunately I'm not receiving any information, from anybody apart from Rick Baker and Day Watson.

Who is HABITAT?

Rick Baker and Jeff Jones first began questioning if HABITAT, a callword long associated with the former NAS Moffett Field, had moved on to NAS Whidbey Island back in May 1996 in posts over WUN.

Then Jeff Jones came up this "sigint": "2150z September 4, 1996 11212.4 MAGIC CARPET SIERRA in comms with HABITAT reports that he has KNIGHT 1 and KNIGHT 2 (unIDed aircraft) strong (referring to VHF/UHF comms or maybe RADAR?) since KNIGHT 1 & KNIGHT 2 cleared the Olympic area." "Loud and clear here. The Olympic Mountains/National Park are just south of NAS Whidbey Island." and Jeff summarized that it appeared HABITAT had indeed moved to NAS Whidbey Island. The KNIGHT callsigns are undoubtedly used by VP-46 "Gray Knights" based at NAS Whidbey Island adding further confirmation.

Then, Larry Van Horn posted the following over WUN: "For some time now I have been trying to pin down the callsign Habitat and now I am confident I have an answer." "Prior to my leaving the military service, I knew that Habitat was located at NAS Moffett Field in California and that the command associated with the call was involved with command and control of ASW Ph3 aircraft units. I had seen many official refs of Habitat and the location given was always Moffett, but no hint to the command."

"It was theorized recently that Habitat has moved and its new location is NAS Whidbey Island, WA. After comparing a list of old ASW units at Moffett, new units at Whidbey, UHF frequencies in use, etc. I have come to the conclusion that Habitat has indeed moved with most of the ASW units that were at Moffett and that Habitat is an echelon three command-Patrol Wing Ten (COMPATWINGTEN). This command exercises command and control over its assigned VP P-3 squadrons and they recently moved to NAS Whidbey with their associated squadrons in tow."

"Unless there is another echelon three or higher command I am missing here, and I don't think I have, this appears to be a solid assessment of the Habitat callsign. Now the only thing that remains is to send them a QSL and see if they answer up, good luck.;)"

HABITAT has been logged by Jeff Jones and others recently on: 3099.0, 6719.4, 9005.4, 9011.4 (W-3), and 11212.4 USB. Great work gang!

U.S. COAST GUARD

Cocaine found in Miami and off Colombia

On 5 Sept., crewmembers of the U.S. Coast Guard Reliance-class Medium-Endurance Cutter USCGC Durable (WMEC 628) conducted a boarding of the M/V Solution (Belize-registry vessel) in Miami. The vessel and its crew were subsequently seized by the U.S. Customs Service after 14 kilograms/30 pounds of cocaine was found. On 12 Sept., a U.S. Navy helicopter embarked aboard the Oliver Hazard Perry-class Guided-Missile Frigate USS Boone (FFG 28) located a 9 meter/30 foot long speedboat with four crewmembers about 260 kilometers/160 miles northeast of Cartagena. She had no name or flag.
and when spotted, changed course, increased speed and began throwing bales overboard. About 302 kilograms/664 pounds of cocaine was recovered by the U.S.S. Boone. A U.S. Coast Guard Law Enforcement detachment boarded and seized the vessel. The one Colombian and three Jamaican citizens were arrested and taken to U.S. Naval Station Guantanamo Bay, Cuba, for transfer to Miami.

- U.S. Coast Guard seizes fishing vessel
  On 13 Sept., the U.S. Coast Guard "Island"-class Patrol Boat USCGC Galveston Island (WPB 1349) observed the F/V Taiko Maru (Japanese registry) hauling longline gear 5 kilometers/3 miles inside the U.S. Exclusive Economic Zone of Guam. The vessel and 2.5 tons of catch were seized and escorted it to Apra Harbor, Guam, where custody was transferred to the U.S. National Marine Fisheries Service.

- S/V Bonaventure burns after U.S. Coast Guard boarding
  The S/V Bonaventure (Canadian registry) was consensually boarded by the U.S. Coast Guard Reliance-class Medium-Endurance Cutter U.S.C.G.C. Durable (WMEC 628) the night of 24 Sept., 24 kilometers/15 miles southeast of Great Inagua, the Bahamas. The master withdrew his consent as the boarding party worked forward, and the group returned to the cutter while the Canadian Government was contacted for permission to continue. The next morning, the vessel caught fire and burned to the waterline. The two aboard were rescued by the USCGC Durable from a raft and are being taken to Miami.

- U.S. Coast Guard intercepts ship with 109 migrants aboard
  The U.S. Coast Guard intercepted 109 undocumented Chinese migrants aboard the M/V Xing Da (Chinese registry 67.4 meter/221 foot vessel) about 960 kilometers/600 miles southeast of Boston and 176 kilometers/110 miles north of Bermuda at 1600 2 Oct. The ship, homeported in Zhong Shan, Guangzhou, sailed for Boston in June. The M/V Xing Da was spotted by the lead ship of the USCGC Reliance (WMEC 615)-class Medium-Endurance Cutter and during a boarding, the M/V Xing Da's engines and generators failed. The USCGC Reliance took the ship in tow, and due to weather, headed to Bermuda, where the tow arrived on 8 Oct. The 109 were taken off the ship 9 Oct. and flown on two Coast Guard aircraft to U.S. Naval Station Guantanamo Bay, Cuba, along with the 26 crew under guard by U.S. Marine Corps personnel. On 8 Oct., three Chinese residents ot New York were indicted in Boston, each with two counts of conspiracy to commit alien smuggling "for purposes of commercial advantage and private financial gain" and two counts of attempted alien smuggling. They face up to 10 years in prison for each alien and a fine of up to U.S.$250,000. The three, who were involved with the M/V Xing Da, were part of a criminal
organization based in New York that smuggled Asian citizens into the United States for several years. The smugglers had agreed to pay an undercover U.S. Immigration and Naturalization Service agent U.S. $500,000 to get the 109 aboard the M/V Xing Da into the United States. They were to disembark to a fishing vessel from Falmouth, Mass., and then be taken ashore to work in New York "sweatshops." Each passenger paid the smugglers U.S.$30,000, part of it in China with the rest to be worked off in the "sweatshops." In reality, the master of the fishing vessel was the same undercover agent, who had been in contact with the smugglers since December 1995. Nai Fook Li, 30, was arrested aboard the fishing vessel. The other two Hui Lin, 34, and Yiu Ming Kwan, 45, were arrested in New York. There is evidence that the ship's crew include enforcers for the gang. Those aboard said that the crew forced the dehydrated passengers to buy water from them. Only a few pounds of rice and bottled water were found aboard.

o U.S. Coast Guard boarding's

"Island"-class Patrol Boat USCGC Vashon (WPB-1308) found the S/V Maxann O 18 kilometers/11 miles south of Virgin Gorda, British Virgin Islands. A boarding party found a 0.2 kilograms/0.5 pounds of marijuana hidden behind a bulkhead in the engine room. The vessel, crew and marijuana were turned over to British Virgin Islands police in Roadtown. On 7 Oct., the "Island"-class Patrol Boat USCGC Key Biscayne (WPB-1339) located a 9.0 meter/30 foot speedboat west of Cabo San Juan, Puerto Rico. The vessel beached itself and two of the three persons aboard escaped. A boarding team arrested one crewmember and seized 810 kilograms/1,800 pounds of cocaine. The vessel was towed to San Juan, Puerto Rico, where the vessel, crewmember and the cocaine were turned over to the U.S. Customs Service.

o USCGC Kodiak Island suffers engine fire off Alabama

On 3 Oct., the U.S. Coast Guard "Island"-class Patrol Boat USCGC Kodiak Island (WPB1341) suffered an engine room fire off Alabama. The fire was extinguished with several vessels in the area assisting. There were no injuries and the vessel headed to port.

o U.S. Coast Guard launches second new coastal buoy tender

The U.S. Coast Guard launched its second Ida Lewis-class Coastal Buoy Tender at 1100 14 Sept. at Marinette Marine Corp., Marinette, Wis. Joyce Downey, wife of U.S. Deputy Secretary of Transportation Mortimer L. Downey, christened the Katherine Walker (WLM 552). Mortimer L. Downey was the principal speaker. WLM 552 is named for Katherine Walker, who was the keeper of Robbins Reef Light in New York harbor from 1886 to 1919. She is credited with saving the lives of 50 people who were shipwrecked. The Coast Guard's Vice Commandant, Adm. Richard D. Herr, also attended. WLM 552 was ordered in February 1995 and will be commissioned in February 1997.

U.S. NAVY

o U.S. Navy's Raven (MHC 61) to christen

The U.S. Navy Osprey-class Coastal Minehunter Raven (MHC 61) will be christened during ceremonies at 0930 28 Sept. at Intermarine U.S.A., Savannah, Ga. Retired U.S. Navy Adm. Leighton W. Smith, Jr., former Commander in Chief, U.S. Naval Forces, Europe/Commander in Chief, Allied Forces, Southern Europe, will be the ceremony's principal speaker. Dorothy Smith, wife of Adm. Smith, will be the ship's sponsor. Two previous ships have been named Raven: a schooner (1813 – 1815) of the War of 1812 and a minesweeper, AM 55 (1940 – 1967), that earned three battle stars as the lead ship of the class of 93 vessels of the Royal Navy and U.S. Navy during World War II. MHC 61 was authorized fiscal year 1993, ordered 31 March, 1993 and laid down 4 May, 1994. The Raven will join the U.S. Atlantic Fleet next year with Lieut. Cmrd. Sam Howard, a native of Mount Holly, N.J., as the commanding officer. The ship will be homeported at U.S. Naval Station Ingleside, Texas.

o USS Theodore Roosevelt and USS Leyte Gulf collide

The U.S. Navy Nimitz-class Nuclear-powered Aircraft Carrier USS
Theodore Roosevelt (CVN-71) and the Ticonderoga-class Guided-Missile Cruiser USS Leyte Gulf (CG-55) collided at 0253 14 Oct. about 160 kilometers/100 miles off Cape Hatteras, N.C. There were no injuries. The USS Theodore Roosevelt suffered stern damage and the USS Leyte Gulf suffered bow damage. The former will remain at sea, while the latter returned to port. The ship's had been involved in JFEX (Joint Fleet Exercises) involving the Theodore Roosevelt Battle Group in the Va Capes Op's Area (aka Giant Killer) prior to their departure to relief the USS Enterprise. Some of these op's were heard by WUN'ers on S425.0 USB.

Iranian, U.S. naval vessels collide in Arabian Gulf

The lead ship of the Islamic Republic of Iran Navy Bayandor (81)-class Corvette collided with the U.S. Navy Ticonderoga-class Guided-Missile Cruiser USS Gettysburg (CG-64) in the northern Arabian Gulf at 1200 13 Oct. There were no injuries on the USS Gettysburg, with minor damage to starboard flight deck safety nets. The ship was escorting the Nuclear-powered Aircraft Carrier USS Enterprise (CVN-65) at the time, with the Bayandor on a parallel course. After the collision, the Bayandor stopped and later got underway away from the U.S. ships. USS Enterprise had steamed in the Adriatic Sea Sept. 12 ready to assist U.N. Peacekeepers during the Sept. 14 Bosnian elections, it received word that its presence was needed elsewhere. Commander, Enterprise Battle Group, RADM Martin Mayer spoke to the crew over the ship's public address system and ended days of speculation concerning "Big E's" possible involvement with operations in the Fifth Fleet theater. He told the crew that Enterprise had been ordered into the Red Sea. Big E then steamed into the Red Sea Sept. 15. Enterprise Commanding Officer CAPT Michael Malone said, "On Sept. 12th we were off the coast of Bosnia and three days later we were in the Red Sea responding to the president's call. This is a fine example of the mobility and flexibility that a forward-deployed aircraft carrier provides for our national security interests."

Marine Harriers Used in Operation Decisive Endeavor

USS SAIPAN (LHA 2) -- AV-8B Harriers belonging to 24th Marine Expeditionary Unit (MEU) Special Operations Capable (SOC) recently conducted flight operations over the former Republic of Yugoslavia in support of Operation Decisive Endeavor. The Harriers are attached to Marine Medium Helicopter Squadron 266, the aviation combat element of 24th MEU(SOC).

The detachment's flights over Bosnia were basic orientation flights designed to familiarize the pilots with Implementation Force (IFOR) Forward Air Controllers (FAC) and their procedures, according to MAJ Matt Schwob, detachment officer-in-charge.

"We also conducted in-flight refueling operations," added MAJ Schwob, who served in Operation Deny Flight in 1995 while deployed with 22nd MEU. "We fly these local-area orientation flights each time we enter the area. Once the planes fly into Bosnian air-space they contact one of the local (IFOR) controlling agencies who assign them a mission for the flight. Though these recent flights were only orientation flights, the planes could be assigned any mission from close-air support to low-over flights of particular sites to ensure awareness that NATO planes are in the area.

U.S. Navy's Gonzalez to be commissioned

The U.S. Navy Arleigh Burke-class Guided-Missile Destroyer Gonzalez (DDG 66) will be commissioned at 1400 Oct. 12 at U.S. Naval Station Ingleside, Texas. The ship is named for Sgt. Alfredo Gonzalez (1946-1968), U.S. Marine Corps, who was awarded a posthumous Medal of Honor for actions during the Vietnam War. U.S. Secretary of the Navy John H. Dalton will be the principal speaker, and Dolia Gonzalez, the ship's sponsor, will commission the ship named for her son. The ship will be part of the U.S. Atlantic Fleet, with Cmdr. Frederick D. Allard, Jr., a native of Fort Belvoir, Va., as the commanding officer. The ship will be homeported in Norfolk, Va. DDG 66 was authorized fiscal year 1991, ordered 16 Jan., 1991, laid down 3 Feb., 1994, and launched at General Dynamics Corp.'s Bath Iron Works in 1995.
### Status of the Navy: Oct. 7, 1996

**Aircraft:** 4,859  
**Ships:** 356  
**At Sea:** 178 ships (50%)  
**Deployed:** 103 ships (29%); 49,392 personnel  
**Exercises:** 12  
**Port visits:** 14  
**SSNs at Sea:** 32 (40%)  

#### Carriers/ Airwings at Sea:
- **USS Enterprise/CVWh17:** Bahrain  
- **USS Constellation:** Local Ops, Eastern Pacific  
- **USS John F. Kennedy:** Local Ops, Western Atlantic  
- **USS Carl Vinson/CVWh14:** Transit, Arabian Sea  

#### LHAs/LHDs/LPHs at Sea:
- **USS Kearsarge:** TCAT 1-97, Western Atlantic  
- **USS Boxer:** Local Ops, Eastern Pacific  
- **USS Nassau:** Transit, Western Atlantic  
- **USS Saipan/24th MEU:** Local Ops, Mediterranean Sea  
- **USS Tarawa/13th MEU:** Transit, Western Pacific  

#### Ships Assigned to Middle East Force:
- **USS Valley Forge, USS Jarrett, USS O'Brien, USS Ardent, USS Dextrous, USS Laboon, USS Doyle, USS Hewitt, USS Stump, USS Stephen W. Groves**

#### Other Exercises/Operations:
- Operation Southern Watch, Arabian Gulf  
- Counter-drug operations, Caribbean  
- Unitas XXXVII Phase Seven, South Pacific  
- Maritime Interception Operations, Arabian Gulf  
- West African Training Cruise (W.A.T.C.), West Africa  
- Cooperative Venture, Baltic Sea  
- Khangar Hadd, Arabian Sea  
- Native Fury, Arabian Gulf  
- Lungfish, Indian Ocean  
- JTFEX 1-97, Western Atlantic  
- TWA Flight 800 Salvage Operations, Vicinity Long Island  

#### NAVEUR Ships September 18:

**Routine Operations:**
- **USS R.G. Bradley (FFG 49)**  
- **USS Klakring (FFG 42)**  
- **USNS Littlehales (TAGS 52)**

**In Port:**
- **USS Austin (LPD 4)**  
- **USS Briscoe (DD 977)**  
- **USS Chinook (PC 9)**  
- **USS Firebolt (PC 10)**  
- **USS Gunston Hall (LSD 44)**
- **USS La Salle (AGF 3)**  
- **USS Mitscher (DDG 56)**  
- **USNS Mohawk (TATF 170)**  
- **USNS Pathfinder (TAGS 60)**  
- **USNS Patuxent (TAO 210)**  
- **USS Philippine Sea (CG 58)**  
- **USS Platte (AO 186)**  
- **USS Saipan (LHA 2)**  
- **USNS Saturn (TAFS 10)**  
- **USS Simon Lake (AS 33)**

### Royal Navy

**HMS Scott christened**

Carolyn Portillo, wife of the British Minister of Defense Michael Portillo, christened the Royal Navy's new ocean survey vessel **HMS Scott** at the Appledore Shipyard in Bideford, England, on 13 Oct. The ship, displacing 13,300 tons, is strengthened to operate in ice. She will be available more than 300 days annually, through a new crew rotation in which the crew will spend 70 days aboard followed by 30
days ashore. Some crewmembers will have single cabins and there are
two large recreational areas. The ship is the largest to be built at
Appledore Shipyard. Constructed to merchant ship standards, she will
be handed over on 28 May, 30 months after being ordered. H.M.S. Scott
is 131.13 meters/430.22 feet long, has a 21.5 meter/70.5 meter beam,
an 8.3 meter/27 foot draft and two four-megawatt Krupp-MAK diesels
with a single controllable-pitch propeller through a Volda gearbox
for 17.6 knots. Some 42 crew are embarked for surveying, but there are
accommodations for 63. She is named for Capt. Robert Falcon Scott, who
led an Antarctic expedition.

Royal Navy ship visits China, first time in 10 years
The Royal Navy Sheffield-class Guided-Missile Destroyer HMS Exeter
(D89), homeported at Portsmouth, England, arrived in Qingdao, China,
on 7 Oct., the first British naval vessel to visit China in a decade.
She was in port until 11 Oct. The last British ship visits were to

Vigilant commissioning
Vigilant was rolled out of the shed on Friday 20th September,
inspections will be carried out on 1st and 2nd October and again at the
end of October. A commissioning ceremony will take place at Barrow on
Saturday 2nd November involving Lady Jane Frier. It is expected that a
week later the vessel will sail to Faslane, carry out acceptance trials
and be handed over to the Royal Navy, under water. It is thought that
only then does the vessel become HMS Vigilant.

OTHER NAVY's

Ingalls Shipbuilding working on ex-U.S. ships for Bahrain, Egypt Two former
U.S. Navy Oliver Hazard Perry-class Guided-Missile Frigates are
being overhauled at Litton Corp.'s Ingalls Shipbuilding Inc.,
Pascagoula, Miss., for Bahrain and Egypt. According to "Ingalls News,"
submitted by Jeff A. Cwiok (Cwiokster@aol.com), the former USS Gallery
(FFG 26) has moved to Ingalls' east bank to begin an overhaul, while the
former USS Jack Williams (FFG 24) will start an overhaul in early
October. The USS Gallery was decommissioned and transferred to the
Egyptian Navy on 25 Sept. at U.S. Naval Station Pascagoula. She is now
the ENS Taba (F916). Cmdr. Bruce Rasmussen, U.S. Navy, turned over the
ship to Capt. Maher Aboul Naga, Egyptian Navy. The ship began a six week
drydock period on 3 Oct. The USS Jack Williams was decommissioned and
transferred to the Bahrain Amiri Navy on 13 Sept. and is now the
BANS Sabha.

D.C.N. to modernize Brazilian frigates
Direction Construction Navale on 20 Sept. signed a U.S.$80 million
contract to modernize the Brazilian Navy's six Niteroi-class
Frigates. It is the first time a French yard will modernize warships
not built in France; the class is based in Vosper Thornycroft's MK 10
design, with the first four built by the designer at Woolston, U.K.,
between 1972 and 1978 and the last two by Ars. Ilha das Cobras in Rio
de Janeiro, Brazil, between 1972 and 1980. The work will be under a
six-year joint program between D.C.N. International and Modificao das
Fregatas, a Brazilian group.

RCMP makes drug seizure off Canada, U.S. Coast Guard in Caribbean
Twelve personnel of the Royal Canadian Mounted Police seized about
eight tons of hashish and arrested three men after boarding a yacht
off Cape Breton Island 11 Oct. The S/V Dame Blanche (17.6 meter/57.7
foot steel ketch) was then escorted to Cheticamp, Nova Scotia. The
vessel had been under surveillance by Canadian Air Command aircraft
and the Canadian Maritime Command Restigouche-class Frigate HMCS
Terra Nova (DDE-239) for a week. The RCMP found black hashish in
bricks, 20 bricks to a to a pack, each wrapped in red cellophane and
covered in paper bearing a fast-food restaurant logo. The three
arrested, all residents of California, appeared in court in Port Hood
on 15 Oct. Donald Clarence Chaney, 42, of Salinas; Theodore Rogers,
47, of San Clemente; and Christopher O'Keefe, 48, of Laguna Beach
were each charged with three counts importing and possessing a
narcotic with intentions to sell it.

NATO/OTHER
o Dynamic Mix/Damsel Fair '96 Keeps Med Busy

LONDON -- (NENS) -- Dynamic Mix/Damsel Fair '96 is a NATO-led joint, multi-national, multi-warfare, live exercise conducted in the Mediterranean and Aegean Seas. The exercise has crews training in maritime surface, mine countermeasure and air operations that could support amphibious operations and function effectively during multi-crisis situations.

Troops from the United States, France, Greece, Germany, Italy, Spain, Turkey, United Kingdom, Belgium, Canada, Netherlands and Norway are participating in the exercise which runs through Oct. 6 (Damsel Fair portion ended Sept. 30).

U.S. Ships include USS Saipan (LHA 2), USS Austin (LPD 4), USS Gunston Hall (LSD 44), USS Firebolt (PC 10), USS Briscoe (DD 977), USS Philippine Sea (CG 58), USS La Salle (AGF 3), USNS Saturn (TAFS 10), USS Platte (AO 186) and USNS Patuxent (TAO 210).

o 24th MEU Trains in Exercise Rescue Eagle

DURRES, Albania -- (NENS) -- Marines and Sailors of the 24th Marine Expeditionary Unit (MEU), Special Operations Capable (SOC), recently cross-trained with the Albanian Defense Force (ADF). It was this year's second exercise in the former communist country.

"The purpose of Exercise Rescue Eagle was to conduct cross-training and over-land search and rescue operations with the Albanian Defense Force in the spirit of partnership and peace," said COL Richard F. Natonski, commanding officer, 24th MEU(SOC). On the first day of the exercise, Navy SEALS, Marines and crew members from the Aviation Combat Element (ACE), Marine Medium Helicopter Squadron (HMM) 266 brought ashore the equipment needed for the exercise. During the next few days, the MEU trained with Albanians at two separate training sites located in mostly coastal, mountainous terrain.

NASA/USAF EASTERN TEST TANGE
o KSC Shuttle Schedules

Rick Baker forwarded info about the upcoming space shuttle launches:

STS-80, shuttle Columbia, is scheduled for launch on 8 November at 2:47 p.m. EST (07.47 UTC). If you listen to 10780 kHz early (like 1200/1300) you may hear the range safety ships (usually a USN ship and a USCG cutter) and the shuttle booster recovery ships check in with Cape radio for their frequency assignments.

STS-81, shuttle Atlantis, is scheduled for the 5th MIR docking mission. Launch: 12 January 1997.


****

Thanks to Day Watson, Rick Baker, Jeff Jones, and Larry Van Horn. Items from The U.S. Navy News Service (NNS) and Steve Schultz's World Maritime News via the Ships list. PaulJ

===========================================================================

Hi Maritime WUNNers, with the end of Sept came (in a flurry of postings) the cessation of Norddeich's HF WT service. CCG Halifax/VCS slipped away from all HF services with, as far as I can remember, a solitary reminder by Rick Baker just before the event. But we have some further comment on both these.

The BT Global Challenge round-the-world yacht race started and by the time you read this newsletter should be nearing (I trust safely) the end of the
first leg in Rio-de-Janeiro and a well-earned rest.

And on the subject of safety - well the world's oceans are lonely and can be very unforgiving places. Marine casualties are reported virtually on a daily basis. A few weeks ago I had an email from Tom Davies in S Africa outlining a recent casualty there. As the bias in this column is towards maritime radio I had to advise I could not use the item per se otherwise I'd be covering the wrong area of ship news.

However his email has made me think about another aspect of the search and rescue operation namely how the authorities charged with the responsibility of operating an SAR function in their area know what resources they have available. My reading resulted in an item on ship reporting systems.

First the traffic list:

- Ship reporting systems
- Norddeich Radio
- Halifax CG Radio
- Ship simplex RT channels
- New NAVTEX in Spain
- MARITEX node in China.
- Service bulletins
- UK arq changes
- Station overviews
  - Valparaiso Radio
  - Rome Radio
- Telecom Italia
- Italian Nets
- Shipping snippets

++++++ Ship reporting systems

In general terms these are to provide information on ship movements etc should a SAR incident arise. The best known system by far is AMVER run by the USCG New York. This was covered in depth in WUN newsletter of September 95 by Jim Navary. If you don't have it the WUN website archives will provide. From this information the authorities ashore can, by interpolation, ascertain which ships are most likely to be able to render early assistance.

But AMVER is not the only reporting system. There are smaller, though no less important, systems covering offshore waters of various nations round the world.

You may find traffic with a prefix as the first word in the text from the following table (an expansion on the list first given by Jim Navary in the Aug 95 WUN) which will indicate the nation (and therefore the general area) concerned.

Some of these systems are voluntary but others are deemed mandatory. The status column is flagged with a "V" or an "M" as appropriate where known. Where both are indicated it means the scheme is mandatory for ships of that nationality and voluntary for others.

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Nation</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARES</td>
<td>Italy</td>
<td>MV</td>
</tr>
<tr>
<td>AUSREP</td>
<td>Australia</td>
<td>M</td>
</tr>
<tr>
<td>CHILREP</td>
<td>Chile</td>
<td>V</td>
</tr>
<tr>
<td>GEOREP</td>
<td>Georgia</td>
<td>V</td>
</tr>
<tr>
<td>GREENPOS</td>
<td>Greenland</td>
<td>MV</td>
</tr>
<tr>
<td>SHIPPOS</td>
<td>Denmark</td>
<td>V</td>
</tr>
<tr>
<td>INSPIRES</td>
<td>India</td>
<td>MV</td>
</tr>
<tr>
<td>IMOT</td>
<td>Israel</td>
<td>V</td>
</tr>
<tr>
<td>JASREP</td>
<td>Japan</td>
<td>V</td>
</tr>
<tr>
<td>KYSTKONTROL</td>
<td>Greenland</td>
<td>MV</td>
</tr>
<tr>
<td>SESCOENA</td>
<td>Argentina</td>
<td>M</td>
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<tr>
<td>SHIPREP</td>
<td>Peru</td>
<td>M</td>
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<td>Singapore</td>
<td>V</td>
</tr>
<tr>
<td>SISTRAM</td>
<td>Brazil</td>
<td>MV</td>
</tr>
<tr>
<td>SSRS</td>
<td>Saudi Arabia</td>
<td>V</td>
</tr>
</tbody>
</table>

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It is not intended to give detail of the parameters used in the text of these messages as these will vary from one administration to another. The article is merely to indicate that these systems exist and give pointers on recognizing the message. Even within one system, as with AMVER, there may be a number of different message formats. However much of the information will be self-evident.

++++++ Norddeich Radio

Ralf Radermacher advised us that on the 15th Oct DAN just would not lie down. With an amusing little anecdote "If all else fails..." he told us he was "just listening to DAN who, as we all know, has ceased all CW traffic, two weeks ago.

They're taking a telegram from a ship and have had such difficulty copying him in phone that they (a) changed the operator who then (b) requested them to send in Morse code, on the same freq.

They are having him send the telegram in CW while they are replying in USB.

:-) Still some life in the old key, ey?"

Nice one Ralph - tks.

++++++ Halifax/VCS - the final days

Robert Ward is one of the Radio Operators at Halifax CG Radio/VCS. He sent me the following note the other day just before we went to press about VCS's final days on CW. He says "As you probably know already, all VCS HF services; R/T, CW and SITOR were officially ended at 2359UTC September 30, 1996. That left us with MF and VHF R/T, and MF CW on 500kHz, 484kHz and 446kHz.

Well, the MF CW from VCS will cease probably at the end of this month, October, 1996, and if not at that time, then definitely at the end of November, 1996 when the operations are moved from Ketch Harbour to Dartmouth, Nova Scotia, overlooking the Bedford Basin and the city of Halifax. No provision whatsoever has been made in the new location for the operation of MF CW.

The MF CW service provided by VCS will then be taken over by Sydney Coast Guard Radio/VCO, and VCS will no longer be heard on CW, at all. In a few short years, VCS has gone from being the largest and busiest Coast Guard Radio station in Canada, to being a standard MF-VHF R/T operation. I guess that's progress...

Please let me know if there's any other information about VCS that the WUN readers might be interested in.

Robert (robert.ward@ns.sympatico.ca) is also the guy who looked after (extra curricular) the QSLs for those of you who reported. I'm sure I speak on your behalf in thanking Robert for this undertaking and in wishing him and his colleagues all the best in whichever way their careers might now take.

++++++ Ship simplex RT channels

Mid-September I put together some frequencies in response to a query on WUN. Having done the work I pass the section relating to ship simplex frequencies on to all. These frequencies probably receive less attention than the paired ones (duplex) for link call traffic.

| 4146 | 4149 |
| 6224 | 6227 | 6230 |
| 8294 | 8297 |
| 12353 | 12356 | 12359 | 12362 | 12365 |
| 16528 | 16531 | 16534 | 16537 | 16540 | 16543 | 16546 |
| 18825 | 18828 | 18831 | 18834 | 18837 | 18840 | 18843 |
| 22159 | 22162 | 22165 | 22168 | 22171 | 22174 | 22177 |

++++++ New NAVTEX in Spain

The following NAVTEX message in Spanish and English was being broadcast on 15/Oct when copied by Keith Haywood who then posted an email to WUN list asking for Valencia's address.
Since then ALRS Vol.3 has been updated with broadcasts shown under Valencia [X] (MRCC) with the transmitter located at Cabo de la Nao. The broadcasts of weather/nav warnings are given as being at 0350 0750 1150 1550 1950 and 2350. As far as reporting address is concerned the best we seem to be able to come up with is Telefonica de Espana Centro de Comunicaciones Radiomaritimas (CCR). Valencia with a FAX number given as +34 (9)6 372 51 62

++++++ MARITEX node in China
A press release dated May 22 was received the other day wherein Telia Mobitel was announcing a new MARITEX node in China. The new station under an agreement with Guangzhou Marine Communications & Nav Aid Co will be located at Guangzhou. It was expected to be operational by October 1996. That means any day now if it is not yet live - further details awaited. The new station is to provide an improvement in the MARITEX network for the Indian Ocean, SE Asian waters and Western Pacific.

++++++ Service bulletins
Coast stations periodically will transmit service bulletins advising of changes to frequencies and watchkeeping arrangements etc. I would be interested in receiving a verbatim copy of any of these which you might catch indicating freq and date/time of receipt. Those bulletins referring to tariffs I'm not interested in. Thanks in anticipation.

++++++ UK arq changes
BT propose to close GNK1 (wick Radio - 2823.7Khz - arq channel located at Norwick in the Shetland Islands) from 1st November 96. Ships have been requested to use other mf/hf channels. Also Portishead Radio now has the 22 Mhz arq channel GKE7/22377 back in service.

++++++ Valparaiso Playa Ancha Radio overview
Location: Chile at 32.48S 71.29W
WT service
Marker: "vvv de CBV qsx 8 12 16 and 22 mhz k"
Monitors call channels 1 3 4
Traffic lists: On every even hour for the frequencies in use from 4349 6337 8522 12663 16914.5 22473
Weather: On 4228 8677 12714 17146.4 at 0110 and 1845 in Spanish and English.
Nav warnings: On 4228 8677 12714 17146.4 at 0215 1430 2210 in Spanish and English.

4256     4265     4301     4337     4349     6337     6372     6379.5
6393     6407.5   6414     6428     6467     8453     8461     8478
8522     8606    12663    12714    12747.5  12768    12826.5  12856
12898.5  12957    16851    16914.5  16947.6  17002.4  17039
22360.5  22447    22473    22546

Telex service
Station nr 1860 ----> selcal XFCV
Marker "CBV and tuning burst
No fec broadcasts for traffic lists or wx/navs are made.
All bands are H24 bar 6 MHZ which is on request

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HF RT service
Weather: On 4357 [Ch:401] at 0135 and 1435

CBV Ship Chan
4177.5 4177.5 --
4214.5 4176.5 [ 409]
6268 6268 --
6318.5 6276 [ 609]
8420.5 8380.5 [ 809]
8421.5 8381.5 [ 811]
12583.5 12481 [1209]
12584.5 12482 [1211]
16811 16687.5 [1609]
16812 16688.5 [1611]
22380.5 22288.5 [2209]
22381.5 22289.5 [2211]

Address: Centro de Telecomunicaciones Maritimas, Subida Carvallo S/N Playa Ancha (Valparaiso) Chile

Research/Acknowledgements
ALRS Vol.1 (96/97) Brannolte/Siebel SEEFUNK
CFL Ed.9 Klingenhuss Guide to Utility Radio Stations 96

++++++ Rome Radio overview
Location: Italy at 41.48N 12.31E
WT service
Watchkeeping: Maintained according to the seasonal table

<table>
<thead>
<tr>
<th>Mhz</th>
<th>Win(1 Oct-31May)</th>
<th>Sum(1Jun-30Sep)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>H24</td>
<td>H24</td>
</tr>
<tr>
<td>6</td>
<td>2230-0600</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>H24</td>
<td>H24</td>
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<tr>
<td>12</td>
<td>0600-2200</td>
<td>0500-2100</td>
</tr>
<tr>
<td>16</td>
<td>0600-2200</td>
<td>0500-2100</td>
</tr>
<tr>
<td>22</td>
<td>0700-2000</td>
<td>0600-1900</td>
</tr>
</tbody>
</table>

Marker: "vvv de IAR k 4 8 12 16 22 = lsn 22 mhz and reply 16 mhz"
Monitors call channels 3 4 5 6

Traffic lists: These are sent at 0000 0400 0800 1200 1600 2000 on 4292 8530 13011 17160.8 22634. In addition the lists at 0000 0400 1200 and 1600 include those from ICB/IQH/IQX whilst the 0800 and 2000 lists are followed by transmissions of blind traffic from IAR.
Note: These lists cover WT/RTT/RT modes.

Wx forecasts: At 0830 2030 on 4292 8530 13011 17160.8 and at 0500 0650 1250 1850 on 22634. These are in Italian followed by English. Also at 0700 1900 on 8530 13011 17160.8 22634 in English.

Telex service
Station Nr 2070 ---> selcal QVYV
Marker "IAR" and tuning burst.
No fec broadcasts for traffic lists or wx are made.

<table>
<thead>
<tr>
<th>IAR</th>
<th>Ship</th>
<th>Chan</th>
</tr>
</thead>
<tbody>
<tr>
<td>4210.5</td>
<td>4172.5</td>
<td>[401]</td>
</tr>
<tr>
<td>4216.5</td>
<td>4179</td>
<td>[414]</td>
</tr>
<tr>
<td>8418</td>
<td>8378</td>
<td>[804]</td>
</tr>
<tr>
<td>8426</td>
<td>8386</td>
<td>[820]</td>
</tr>
<tr>
<td>12602.5</td>
<td>12500</td>
<td>[1247]</td>
</tr>
<tr>
<td>16820</td>
<td>16697</td>
<td>[1628]</td>
</tr>
<tr>
<td>22398</td>
<td>22306</td>
<td>[2244]</td>
</tr>
</tbody>
</table>

Telex service
Station Nr 2070 ---> selcal QYYV
Marker "IAR" and tuning burst.
No fec broadcasts for traffic lists or wx are made.

<table>
<thead>
<tr>
<th>IAR</th>
<th>Ship</th>
<th>Chan</th>
</tr>
</thead>
<tbody>
<tr>
<td>4210.5</td>
<td>4172.5</td>
<td>[401]</td>
</tr>
<tr>
<td>4216.5</td>
<td>4179</td>
<td>[414]</td>
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<td>8418</td>
<td>8378</td>
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<td>[1628]</td>
</tr>
<tr>
<td>22398</td>
<td>22306</td>
<td>[2244]</td>
</tr>
</tbody>
</table>

HF RT service
Watchkeeping: 0600-2200 but 1 hour earlier when Summer time is in force.
Traffic lists: see WT lists.

<table>
<thead>
<tr>
<th>IAR</th>
<th>Ship</th>
<th>Chan</th>
</tr>
</thead>
<tbody>
<tr>
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<td>4068</td>
<td>[402]</td>
</tr>
<tr>
<td>4414</td>
<td>4122</td>
<td>[420]</td>
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<tr>
<td>4423</td>
<td>4131</td>
<td>[423]</td>
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<tr>
<td>6510</td>
<td>6209</td>
<td>[604]</td>
</tr>
<tr>
<td>8758</td>
<td>8234</td>
<td>[814]</td>
</tr>
<tr>
<td>8776</td>
<td>8252</td>
<td>[820]</td>
</tr>
<tr>
<td>8794</td>
<td>8270</td>
<td>[826]</td>
</tr>
<tr>
<td>8713</td>
<td>8294</td>
<td>[836]</td>
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<tr>
<td>13101</td>
<td>12254</td>
<td>[1209]</td>
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<td>13128</td>
<td>12281</td>
<td>[1218]</td>
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<tr>
<td>13164</td>
<td>12317</td>
<td>[1230]</td>
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<td>17248</td>
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<td>16429</td>
<td>[1624]</td>
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<tr>
<td>19770</td>
<td>18795</td>
<td>[1806]</td>
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<td>22762</td>
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<td>[2223]</td>
</tr>
<tr>
<td>22825</td>
<td>22129</td>
<td>[2244]</td>
</tr>
</tbody>
</table>

Address:
Stazione Radio Costera PT
Roma Radio
Via della Cesarina 282
I-00139
Rome

Research/acknowledgements
ALRS Vol.1 1996/97
Brannolte/Siebel SEEFUNK (96)
CFL Ed.9
Klingenfuss 1996 Guide to Utility Radio Stations

++++++ Telecom Italia
Paolo Romani from Torino sent the following to Ary Boender (who says he "tried to translate it as well as I could"). Thanks to both.
Telecom Italia is responsible for the Italian coast stations. They started a new automatic service to improve the radio telephone traffic between the
ships and coast stations. The system is called Autolink. The system apparently does not work too well and the ‘marconisti’ (radio operators) are very dis-satisfied and demand modifications. Besides these problems, another bigger one keeps the marconisti busy. GMDSS is the magic word here. Over 1000 persons will lose their jobs because of GMDSS. On top of this, Telecom Italia plans to close down the HF/VHF facilities of all but two coast stations. Roma Radio will stay live on the air for the Northern part of Italy and Palermo Radio for the southern part. The other stations will be remote controlled by one of the other two.

++++++ Italian Nets
Also, via the same route (thanks guys) I am advised that when one speaks Italian, it could be interesting to check the following freqs where all marconisti gather to discuss their common problems.

2296 kHz, various (08.30, 09.30, 15.00 UTC)
4077 kHz, Sidemar Shipping Company network (08.15 UTC, also on 8207 kHz)
4077 kHz, various (16.45 UTC)
4143 kHz, various -the most important network- (very busy, sometimes 30-40 operators join in. There is a net-coordinator who also listens on 4131 kHz)
12353 kHz, various -very busy-
16543 kHz, various (14.00 UTC, also on 8230 and 18840 kHz).

++++++ Shipping snippets
Thanks go to Steve Schultz and the SHIPs list, Rick Baker and Fairplays
Ship orders worldwide.
At the end of June, 2,589 ships of 45 million gross tons were on order worldwide. This compares to 44.1 million gross tons as of June 1995. Japan and South Korea accounted for 58 percent, with the former having orders of 13.6 million and the latter 12.7 million. China followed at 2.3 million, then Germany, Poland and Italy. The United States had 354,000 gross tons on order, ranking it at 16th. Of those on order worldwide, 1,342 of 16.1 million gross tons will be delivered by the end of the year. In 1997, 918 ships will be delivered and 329 will arrive in 1998. Containerships account for 402 ships on order with a total capacity of 777,587 TEUs. In June 1995, there were 315 containerships on order with a capacity of 612,030 TEUs. Over 240 are under 2,000 TEU capacity each, 74 are between 2,000 and 2,999 TEUs, 31 are between 3,000 and 3,999 TEUs and 36 are between 4,000 and 4,999 TEUs. There are 20 containerships on order of over 5,000 TEUs. Oil tankers account for 192 ships of 15 million deadweight tons, compared to 245 at 21 million deadweight tons a year ago.

U.S. Senate approves Maritime Security Act
The U.S. Senate on 24 Sept. approved, 88 to 10, a new plan for U.S.$1 billion in subsidies over 10 years for the U.S.-registered fleet. The U.S. House of Representatives approved the Maritime Security Act in December. The bill reduces direct subsidies to ocean carriers to $100 million a year through 2005. Eligible operators will receive a flat payment of U.S.$2.3 million per ship in fiscal year 1996 and $2.1 million per ship for each fiscal year through 2005. Vessels must operate at least 320 days per year and in U.S. foreign trade, and of course must be U.S.-registered, have U.S. citizens as crews and be available during war.

Port Everglades receives U.S.$43 million grant
Port Everglades has received a U.S.$43 million grant from the Florida Seaport Transportation and Economic Development Commission. The money will fund cruise terminal improvements, new gantry cranes, widening of roads, improvements on Eller Drive, dredging, channel widening, property acquisition and new crane rails.

Woods Hole to undertake second phase of M/V Derbyshire survey
The second phase of the M/V Derbyshire survey will be undertaken by Woods Hole Oceanographic Institute in early 1997. It will involve a sonar and photographic survey of the site, as well as video and photographs of specific parts.
Foresight buys former Adriatic Tankers ships
Foresight Group has bought five former Adriatic Tankers ships from CIT bank, which will retain 15 percent. The M/T Hudson, the M/T Ocean Breeze, the M/T Dina, the M/T Mary and the M/T Kobe J will be deployed in southeast Asia. They have been laid-up for a year.

Leond Maritime buys three former ABC Containerline vessels
Leond Maritime has bought three former ABC Containerline bulk carriers. The M/V Brussel (41,100-dwt bulk carrier built in 1979) was purchased at auction in Halifax for U.S.$4.6 million. Leond Maritime had to deal with U.S.$830,000 in outstanding claims against the ship. She has been renamed the M/V Nel and is registered in Cyprus. On 16 Sept., Leond Maritime purchased the M/V Helen (42,566-dwt bulk carrier built in 1978) and she has been renamed the M/V Blue L. Also bought was the M/V Deloris (42,562-dwt bulk carrier built in 1978), which will be delivered later this month and renamed the M/V Margo L.

Socanav bankrupt, fleet sold
Socanav Inc., the largest Canadian tanker operator, has been placed under bankruptcy protection. Its 11 vessels have been sold to Gorse Down Canada for U.S.$8.2 million. Gorse Down Canada is a subsidiary of Star Maritime Services (U.S.A.) Inc., based in Miami.

Color buys Larvik
Color Line bought Larvik Line from Larvik Scandi Line for U.S.$74 million in cash on 1 Oct. Included is an eight-year charter of the M/V Peter Wessel (3,630-dwt, 2,000 passenger capacity ferry built in 1981) and an option to buy her. Color Line, the Norwegian ferry operator, will now have five services and seven vessels.

Largest passenger ferry in northern Europe launched
The M/V Isle of Inishmore, the largest multipurpose passenger ferry in northern Europe, was launched at Van der Giessenheine Noord on 4 Oct. for Irish Ferries. The 33,000-dwt ferry cost U.S.$125 million and will enter service in early 1997. Registered in Ireland, she will operate between Dublin, Ireland, and Holyhead, Wales.

Diamond Cruise Line bankrupt
Diamond Cruise Line has been placed in bankruptcy by a court in Helsinki, Finland. The line was allowed to attempt to restructure debt in May 1995. Diamond Cruise Line owns the M/V Radisson Diamond (20,300-gt, 1,956-hdwt twin-hull passenger ship built in 1992, operated by Silja Line).

Empress Cruise Lines to start Tampa to Mexico ferry service
Empress Cruise Lines plans to begin a regular ferry service from Tampa, Fla., to the Yucatan Peninsula in February. The service will sail four times a week, using the M/V Mayan Express and the M/V Seminole Empress.

Seacor Holdings buys Smit International's offshore supply fleet
Seacor Holdings Inc. said 14 Oct. it has agreed to buy the 49 offshore supply vessels of Smit Lloyd, a unit of Smit Internationals N.V. Smit Lloyd will now operate as Smith-Seacor.

New S.American-Europe service
Maersk Line of Denmark, SEA-LAND, and Brazilian operator Transroll Navegacao are undertaking a vessel sharing agreement linking six ports in Brazil and Argentina with five in Europe.

MSA (UK) detain 23 ships
The UK's Marine Safety Agency detained 23 ships during September at the country's ports after they failed port state control safety inspections.

New liners for R Shipping
R Shipping Inc., an affiliate of Renaissance Cruises Inc., has ordered two new 690-passenger, 350-cabin ships. Chantiers de
WUN-v02

l'Atlantique, Saint-Nazaire, France, will build the two, designed by John McNeece, London, to reflect an "old world" liner. The projected cost is over U.S.$300 million with construction starting in December and the first keel laying in June. They will be delivered in June 1998 and February 1999.

QE2 hits whale
The QE2 hit a 15-ton whale during a voyage from Cadiz to Lisbon. The 18 meter/60 foot whale was discovered against the ship's bow when she entered Lisbon on 15 Sept. It is suspected that the whale was suffering from a disease or was already dead before the collision.

Royal Caribbean plans
Royal Caribbean have announced that in December they will move the ship to the Bahamas short cruise market. Preceding this will be a refurbishment program (costing a reported $6-million). This will take 2 weeks from Nov 30 when she enters the Beth Ship drydock near Baltimore, Md.
A total of 220 third and fourth berths will be added to existing cabins, greatly increasing her capacity. A video arcade complete with virtual reality games is to be created next to the casino.

Public areas will undergo major changes.
When this has been completed Sovereign of the Seas will offer 3 and 4-night cruises from Miami to Nassau and CocoCay (Bahamas) as well as a new regular port, Key West. Starting on Dec 13 she will take over the short cruise routes operated by RCCL's Nordic Empress.

Nordic Empress is to move from Miami to San Juan to offer 3 and 4 night cruises to St. Thomas, St. Croix and St. Maarten until June of next year when she will move to Port Canaveral to offer customers 3 and 4-night short cruises to Nassau and CocoCay.

Royal Caribbean operate's 10 modern ships with a total capacity currently of 16,800. However between now and 1998, RCCL intend to introduce a further four ships with a total additional capacity of 7,900 passengers.

And the first of these is the Grandeur of the Seas and RCCL will be operating her this year (circa December) to the Eastern Caribbean. Being a young lady you'll want some of her vital statistics:-
74,000 tons
916 ft long, 105.6 wide, 25 feet draught.
Cruising speed 25 kts.
Accommodation 975 double occupancy staterooms.
Passengers 1950  Crew 760

We've learned she has the following public rooms
Great Gatsby Dining Room  Palladium Theater
South Pacific Lounge  Singing in the Rain Lounge
Schooner Bar  Champagne Bar
Champagne Terrace  Viking Crown Lounge
Conference Center  Card Room
Windjammer Cafe  Casino Royale
Club Ocean Children's Room  Optix Teen Center

We've learned she has the following public rooms
together with ShipShape Fitness Center and Spa,
Sauna and Massage,
Boutiques of Centrum, Library,
Photo Gallery, Outdoor Pool
Indoor/Outdoor Pool with Crystal Canopy,
6 Whirlpools, Pool Bar, Beauty Salon and Barber
Shop, Medical Center, Sports Deck,
Jogging Track, Video Gameroom

For more RCCL information try the web site http://www.royalcaribbean.com.
Pagina 861
finally in closing my thanks to Rainer Brannolte for adding his current volumes SPEZIAL-FREQUENZLISTE and SEEFUNK to my bookshelf. A nice handy size both have added data to that I require for my researches, with SEEFUNK being found particularly useful when it comes to obtaining addresses for Station Overviews (above) and trying to assist WUNners with their queries. Although written in Rainer's native German this has not spoiled my enjoyment in trying to understand the articles outside the universal and easily followed list format. Photographs, tables, maps, and sample QSLs are all helping.

So that's it guys/gals - the bottom of the barrel - good Dxing till next month - Day.

============================================================================

New Products, Books, News and Reviews
Rick "RD" Baker, editor
1352 Cavalcade Dr., Austintown, Ohio 44515-3844, USA
ulealistener@msn.com or ae411@yfn.ysu.edu

This month we have the last of the new releases of Klingenfuss Publications to review. Also I have long awaited good news! We have, compliments of Computer Aided Technologies, a Hoka Code 3 Gold on the way to yours truly to review. I hope to have that done for the November or December issue depending on how much time I can log with the system. Computer Aided Technologies is the Hoka North American Distributor. Ok, on with the show....

BOOK'S YOU'LL LIKE

This 1996 first edition is a really fine effort for those who want to "surf the net" for information for the radio hobby. Coming at 352 pages and softbound, Internet Radio Guide list's hundreds of web sites worldwide. The chapters are divided into these categories: Amateur Radio; Aviation; Equipment; Geography; Intelligence Services; Meteorology; Navigation; Organizations and Services; Publications; Radio Clubs and Newsgroups (yes, WUN's web site is listed!); Radio Stations; Satellites; Solar and Geophysical Data; and Publications on CD & CD-ROM.

For example under Meteorology, we have the web site for the Neumayer Station, Antarctica. One can obtain 3-hourly routine synoptic observations or view a chart of current air temperature. Under Organizations and Services, are a wide assortment of military and government sites. Looking under Publications we find sites such as Marius Rensen's Radiofacsimile page, the Black Box Glossary of Data Communication, or the official site of Phrack Magazine.

Under satellites we can choose an assortment of sites that will permit you to view actual images updated in a variety of time frames. Want solar data to aid your Dx efforts? There are quite a few sites to choose from!

I've spent hours checking and I'm still amazed at some of the 'finds' in this book. There are hundreds of ways to use the data in the utility station hobby and it would be difficult if not impossible to find a more comprehensive collection that relates directly to our hobby.

Internet Radio Guide (First Edition) by Klingenfuss Publications is available through most sellers of hobby books and shortwave radio products or direct from Klingenfuss Publications, Hangenloher Str.14, D-72070 Tuebingen, Germany. For more information: (phone 49 7071 62830) or by e-mail 101550.514@compuserve.com http://ourworld.compuserve.com/homepages/Klingenfuss

NEWS
o Jorge Garzon of the Medi DX Club sent a release on their Long and Medium Wave Contest coming this winter.
The MEDITERRANEAN DX GROUP is proud to announce the 'MEDI DX' LW/MW World Wide Contest. The main goal of it, is promoting DXing on Long and Medium Wave Bands. This is a Contest open to all DXers throughout the world.

The Contest will be regulated for the following RULES:

1. PARTICIPANTS. This Contest is open to all DXers all over the world, being member or not of the 'MEDI DX' Group.

2. DATES. The 'MEDI DX' Contest will be held in winter, when LW/MW propagation conditions turn better, on the following dates and periods:
   1st PERIOD: From 0000 UTC of 15th DECEMBER 1996 to 2359 UTC of 28th DECEMBER 1996.
   2nd PERIOD: From 0000 UTC of 05th JANUARY 1997 to 2359 UTC of 18th JANUARY 1997.

Sharers are not obliged to participate in both periods, but points will be rise if both of them are monitored.

3. FREQUENCIES. It is only permitted to DX from 0 kHz to 3000 kHz. It will be valid any BCB or UTILITY Station on that range. DXing above 3000 kHz is not valid. Each station can be logged only once through both series of the Contest.

4. LOGGINS. All listening must be done from the same shack. Portable operation is not allowed. Must be listened, at least, five different details of each station to be considered. Long distance DXing have to be recorded in order to be verified for the Organization.

5. POINTS. Points will be quoted as following:
   A. 1 point for each station reported.
   B. Distance Multiplier (D):
      D<500 Km ---------> x1
      500-1000 Km ---------> x2
      1000-2500 Km ---------> x3
      2500-5000 Km ---------> x5
      5000-8000 Km ---------> x7
      D>8000 Km ---------> x9=09
   C. Station Power Multiplier (P):
      P<1 Kw -------------> x4
      1-5 Kw -------------> x3
      5-50 Kw -------------> x2
      P>50 Kw -------------> x1
   D. Frequency Multiplier (F):
      F<1 MHz -------------> x3
      1-2 MHz -------------> x2
      F>2 MHz -------------> x1

Total points are calculated as below (multipliers concern to each station logged):

Total Points (Station1xMultiplier1)+(Station2xMultiplier2)+...

6. LOG SHEETS. DXers must send the Official Contest Sheets before the 1st of February, 1997 (envelope date stamp). Official sheets will be addressed to participants when registrations will be processed.

7. PRIZES. Prizes for the best three individuals.
   Absolute Winner: KIWA POCKET LOOP Aerial.
   2=BA Winner: (Not defined).

8. SPECIAL PRIZES. Two more Special Prizes have been established: For the most distant DX, and for the weakest station power. Both prizes
cannot be gathered each other. A 1997 Edition of 'Long & Medium Wave Stations in Europe, North Africa and The Middle East' is the prize for them.

9. DIPLOMS. Every participant will get a diplom of the Contest. Winners will get an special one.

10. FEES. The Contest has the following fees to participate:

   "MEDI DX" Members: ESP 500, GBP 3.00, USD 4.00, FF 24.00, IRC 7.
   No members: ESP 1000, GBP 5.00, USD 8.00, FF 45.00, IRC 12.

Fees can be sent through Money Order (Postal Giro) or Mandat International to: GRUPO DX MEDITERR=CLNEO, P.O.Box 4212, ES-41080-SEVILLA (Spain) or by cash with a letter.

Fee must be sent with the following details: Name, surname and full address, receivers and aerials to be used, and Geographic Co-ordinates of the listening post (or shack). It is very important to give the exact coordinates (degrees, minutes and seconds) in order to plot the azimuth maps. Then, official log sheets and material will be sent to DXers.

NOTES: To calculate station powers, the 1996 WRTVH Edition will be used as a reference.

The Organization can ask for recordings, QSL's or any other material in order to verify doubtful DXs logged through the Contest.

Further Information, registrations and fees to:
THE MEDITERRANEAN DX GROUP - "Contest"
c/o Jorge Garzon Gutierrez
P.O.Box 4212
ES-41080-SEVILLA
SPAIN

Or e-mail to: <jgarzon@arrakis.es>

GRUPO DX MEDITERR=CLNEO - THE MEDITERRANEAN DX GROUP
The spanish DX Group devoted to Long & Medium Wave Bands
at/en: http://www.geocities.com/SiliconValley/4847/

o State of U.S. Publications

A recent post over the WUN Listserver seemed to indicate that Monitoring Times was in a dire situation. I contacted Larry Van Horn who laughed and said there have been all sorts of rumors out there. Larry pointed out that there had been a decline in MT subscriptions and that some writers for Monitoring Times are paid based on the number of subscriptions, so these rates will rise and fall. However, they continue to pay their writers on time, and there is absolutely no truth to any of the other rumors. Larry feels all this really came to a head based on the October 96 Monitoring Times 'Closing Comments' and that "some are reading something into it they shouldn't."

Likewise the rumor mill via some postings on a newsgroup had Popular Communications down and out. I contacted magazine editor Harold Ort, who has recently assumed that position. Harold stated that right now Pop'Comm is on "solid ground". He went on to say "course if I could predict the future I would be running a high-paid psychic hotline". This is true! But Harold pointed out the facts as he had them from the front office indicated that like MT, Pop'Comm subscriptions were down and that made for tight times as in any other business. But he stressed not to believe everything the rumor mill puts out. Both editors agreed that rumors do them no good and invited folks to contact them direct if they wish.

Like the notorious 'Good Times Virus' that becomes the virus as good natured folks send out the alarm of it's existence, rumors serve no purpose and should not be spread. If you planned on subscribing to either magazine but held off due to rumors, best quite delaying and get to it or you will miss the type of information these publications provide for no reason. I am a long time subscriber to both, and find useful information in both each month.

Pagina 864
Mike Hardester came across an interesting (non-intentional) DX-related web site: http://www.indo.com/distance/

Mike reports:
"This site will calculate distances between two points based on zip code, city/state name, or geographic coordinates. It will give the distance in miles or kilometers, the bearing to/from the two sites, and show you the two locations on a map. It indicates that it can also calculate distances to non-US sites, but I didn't try that."

"This may not be as accurate as using GCD calculations/computer programs, but for general information, it should be helpful to most DXers."

Thanks Mike!
That's all for this month. More neat stuff next month!
MARS STATIONS

USMC Camp Pendleton/NNN0MPN 14459.0 USB QSL 17 ds foto, Forces Day 95 (JDS)
USCGC Spencer/NNN0CSP 14441.5 USB PFC 11 ds full data (MR)
USCG Info Systems, VA/NNN0NCG 14441.5 USB PFC 11 ds full data + QSL (MR)
Shore Station, AR/NNN0KUR 14441.5 USB PFC 15 ds QSL + e-mail (MR)
Shore Station, FL/NNN0IGD 14441.5 USB PFC 14 ds full data (MR)
Shore Station, NE/NNN0FMN 14441.5 USB PFC 15 ds full data (MR)
USS Stephen W. Groves/NNN0CZO 14441.5 USB PFC 28 ds full data, decals (MR)
MARS Camp Pendleton/NNN0MPN 14441.5 USB PFC 30 ds full data, postcard (MR)
USCG Gallatin(WHEC721)/NNN0CXK 14441.5 USB PFC 32 ds (IB)
AF MARS Rockledge, FL/AFA2AG 13927.0 USB PFC 8 ds (IB)
AF MARS Shelbyville, IN/AFA1EN 13927.0 USB PFC 22 ds (IB)

### THE LITTLE BLACK BOOK ###

The following addresses were received from Mike Rivkin:

USCGC Spencer/NNN0CSP
427 Commercial Street
Boston, MA
02109-1027

USCG Info Systems/NNN0NCG
7323 Telegraph Road
Alexandria, VA
22310-3999

NNN0KUR
c/o Charles Floyd
RT2 Box AA
Mountainsburg, AR
72946-9501

NNN0IGD
Lucille Gainer
7269 Coon Road N.
Ft. Meyers, FL
33917

NNN0FMN
Connie Bowen
16201 S. 75 St.
Omaha, NE
68128

AC/S Communications Information Systems
Attn MARS Station
Box 555018
Marine Corps Base
Camp Pendleton, CA
92055-5018

This address was received from J.D. Stephens for his QSL of USCG Activities, Baltimore, MD. He points out, however, that it differs from the one contained in Jim Pogue's "Coast Guard Radio" for the former "Group" Baltimore:

2401 Hawkins Point Road
Baltimore, MD
21226-1791

Rick Albright sent this one for the naval aircraft he QSL'd on the deck at NAS Whidbey Island:

Ops Officer
Pagina 866
The 1996 Navy SDL shows:
 Naval Air Station Whidbey Island
 1170 West Lexington St.
 Oak Harbor, Wa 98278-5000

This would be good for any of the squadrons there and the zip code
should help get it there quicker.

Steve McDonald furnishes these addresses for Australian and northern
Canadian flights he's monitored and QSL'd:

Island Airways Pty Ltd.
Chief Pilot
PO Box 747
Madang
Papua New Guinea

Ptarmigan Airways Ltd.
Box 100
Yellowknife, NWT
Canada
X1A 2N1

MBA Pty Ltd.
P. Lipanovich, Chief Pilot
Jacksons Airport Port Moresby
PO Box 170
Boroko, NCD
Papua New Guinea

NWT Air
Larry Pinto, Dir Flight Ops
Postal Service 9000
Yellowknife, NWT
Canada
X1A 2R3

Air Niugini
Chief Pilot
PO Box 7186
Boroko, NCD
Papua New Guinea

Solomon Airlines
Tony Rogan, Flight Ops
Box 46
Brisbane Int'l Terminal
Eagle Farm QLD
Australia 4007

This one is from Ian Baxter:

Commanding Officer
USCGC Gallatin (WHEC-721)
P.O. Box 1500016
Charleston, SC
29415-5016

*** VERIFYING SIGNATURES ***

The following are verifying signatures (v/s) on QSL's received
from individuals to whom reception reports sometimes can be
specifically addressed:

USCG Group Mayport, FL:       RM1 D.M. Wright,
                              Pagina 867
WUN-v02
Telecommunications Specialist 1st Class
USCG Group Cape Hatteras, NC: TC3 T.B. Wheat,
Telecommunications Specialist
NNNOCSP: TCCWC - Zulawsil
NNNONCG: LTJG David MARS Officer
NNNOKUR: Charles Floyd
NNNOIGD: Lucille Gainer
NNNOFMN: Carolyn "Connie" Bowen
USCG Baltimore: M.N. Richard,
Telecommunications Specialist 3rd Class
VCC, Quebec: Steve Cunningham,
Marine Communications Traffic Services
WUK3, Corps of Engineers: LtC. H.D. Albinus (N6YOT)
NAS Miramar: T.J. Storer, Director
Ground Electronics Division
USCG Clearwater: TC1 Mark A. Roan
USCGC Gallatin: Robert M. Petersen, LTC, USAFR

#  #  
THE GRAPEVINE: This month, due to the high number of QSL's being received from MARS (Military Affiliate Radio System) stations, we'll be including them in their own log category rather than sticking them with other military designations... Some info passed on to us by J.D. STEPHENS: "Recently Coast Guard Group Baltimore has merged with the Coast Guard Marine Safety Office to form Coast Guard Activities Baltimore which is our official name. The letter also states that they conduct periodic 'drills' with all of the auxiliary units throughout the Chesapeake Bay area to conduct radio checks. I have heard this frequently on Thursdays around 2300 Z, working such auxiliary units as 'Carolina Beach Radio' and Mt. Pleasant Radio.' Something to watch for."... The QSL for the Orion that RICK ALBRIGHT snagged working Hickam Global on 11175 while sitting on the deck at Whidbey in Washington State came with a small Batman sticker representing aircraft type EP-3E. Rick adds that a brief note that accompanied it said that "Navy squadron had never before received a QSL request for aircraft radio traffic. Our fellow WUNers should be able to turn that around"... A few notes from IAN BAXTER: "FGS Mecklenburg-Vorpommern (DRAK) say they can not send any info on the vessel just yet, as the ship has not yet been commissioned... FGS Schleswig-Holstein is my 35th German Navy Ship verified... NNNO CXK USCGC Gallatin (WHEC-721) is my 131st MARS Afloat station verified... Verifying signer Robert M. Petersen LTC, USAFR, says the location of aircraft TEAL-04 was inside Hurricane Edouard at the time of my reception, and is stated clearly on my PFC"... Jean-Louis Querton, who did much of the translation for our cover letters, extends an invitation to anyone who'd like to visit his organization's web site: http://www.ebu.ch/ (European Broadcasting Union). That's the lowdown for this month. Got some info that's useful to QSL'ers, send it to The Grapevine c/o The QSL Report...

#  #  
/// More Cover Letters for the Dedicated Ute ///

Good news and bad news this time 'round concerning our multilingual cover letter translation project. The good news is that we've so far received translated versions in nine different languages: French, German, Spanish, Portuguese, Polish, Czech, Serbo-Croatian, Turkish and Russian. For most of
this we have Jean-Louis Querton, who is employed with an international organization in Geneva and was able to call upon the skills of his colleagues, to thank. Jean-Louis and Alex Wellner both furnished versions in SS. The bad news is that previous translations that we've already published in French and German have been found 'wanting' somewhat. Jean-Louis, Klaus Betke and Ralf Radermacher have all found serious-enough shortcomings in the letters translated into their respective native tongues. And so, for the sake of getting things right where we can, we are printing below corrected versions and textual revisions submitted by these 'linguistically conscientious' utes.

French:
Cher Monsieur,
Je suis un auditeur d’ondes courtes (SWL=Shortwave Listener) _______
[your town] _______ [geographical coordinations] en ________ [your Country].
Comme hobby, j’écoute les bandes HF. Je suis également un radio-amateur
licencie _______ [your call sign].
Le _____ [date] _______ [time] heures GMT, j’ai eu le plaisir de capter
votre emission [identification of the transmitter] sur _____ [frequency]
kHz en _______ [mode].

Je vous communique que la qualité de votre signal recu ici etait de _____
[SINPO]. L'équipement de reception est compose d'un recepteur _______ [brand
and type], et d’une antenne _______ [antenna description, height,
orientation...].

Je collectionne egalement les cartes QSL des stations que j'écoute. Je
serais tres honnore d'ajouter a ma collection une carte de votre station.

J'apprecierais, si vous avez le temps, que vous puissiez controler (QSL)=
si cette reception est exacte.

Vous trouverez cihjoint, une carte pre-imprimee (PFC=Prepared Form Card)
compleetee, et deja affranchie. Je vous remercie d'avance pour le temps
que vous voulez bien me consacrer et vous adresse mes meilleures salutations.

______ [your signature]

Klaus and Ralf both had specific comments to make about the previous
translation. But on account of space limitations, we will content ourselves
to simply reproduce each one's corrected version of the German letter. If
there's anyone out there who keeps track of such things, you might let us
know which of the two gets better response.

GG by Klaus:
Station Name
Station Address

Guten Tag!
Ich bin Kurzwellenhoerer aus _____<your location>.
Am _____<day/month>, 1996 um _____<time> Uhr UTC habe ich Ihre Sendung
empfangen auf _____ kHz <frequency> in _____ <mode>, mit der
Identifizierung _____ <identification>.

Vielleicht interessiert es Sie, dass Ihr Signal hier laut und klar
empfangen wurde. Ich benutze einen Empfaenger des Typs _____ <type of
radio> und eine _____ meter lange Drahtantenne <length of antenna> in
_____ meter Hoehe (height*).

Als Teil meines Hobbys samme ich Bestaetigungskarten von Stationen wie
der Ihren. Sehr gerne wuerde ich Ihre Karte meiner Sammlung hinzufuegen.

Bitte bestaetigen Sie diesen Empfang, wenn er richtig ist. Als Anlage
schicke ich Ihnen eine schon-ausgefuellte Karte (PFC), einen
selbst-addressierten Briefumschlag <self-addressed envelope>, und _____ <number> Briefmarken <stamps>/_____ <number> Antwortscheine <IRCs>/_____ US-Dollar <dollars>.

Ich danke Ihnen herzlich für Ihre Hilfe, zumal Sie sicher wichtigere Dinge zu tun haben. Bitte entschuldigen Sie auch die Fehler in diesem Brief; leider kann ich kein Deutsch muss deswegen diesen vorformulierten Brief benutzen.

Mit freundlichen Grüßen

<yourn name>

For the PFC, use the following translations:
CALLSIGN = RUFZEICHEN
STATION = SENDER
QTH = STANDORT
TRANSMITTER/POWER = SENDERTYP/LEISTUNG
ANTENNA = ANTENNE
LOCATION = STANDORT

For the verification part, use: BESTÄTIGUNG DURCH: (NAME UND STEMPEL)
which means verified by: (name and stamp)

GG by Ralf:

Station Name
z.Hd.: Abteilung Öffentlichkeitsarbeit
Station Address 1
Station Address 2

Sehr geehrte Damen und Herren,

Als Kurzwellenhoerer aus ______ (your location) freue ich mich, Ihnen den folgenden Empfangsbericht senden zu können.

Am _____ (day/month), 1996, um _____ (time) Uhr UTC, empfing ich Ihre Sendung auf _____ kHz (frequency) in _____ (mode), mit der Identifizierung _____ (identification).

Vielleicht interessiert es Sie, dass Ihr Signal hier gut und klar empfangen wurde. Als Empfänger benutze ich einen _______ (type of radio) mit einer _______ Meter langen Antenne (length of antenna*) in einer Höhe von ___ Meter (height*).


Ich danke Ihnen herzlich für Ihre Hilfe, selbst wenn Sie wohl viel wichtigere Arbeit erledigen müssen. Bitte entschuldigen Sie die Fehler in diesem Brief, weil ich kein Deutsch kann und daher diesen Formularbrief benutzen muss.

Mit freundlichen Grüßen,

(yourn name)

Notes:
1. If the author of the letter is a female, change the opening line to: als Kurzwellenhoererin aus ______. No other changes are necessary.
2. * Length and height should be expressed in meters. The simplest thing is to divide feet by 3 and round up to the nearest whole number. That should be close enough.
3. The last paragraph says: "I thank you for your help, even though you
have much more important work to take care of. Please also excuse the mistakes in this letter as I can't speak German and must use a form letter."

(Hopefully this will elicit a response in English, rather than in German.)

4. In the 4th paragraph, just select what you are enclosing (if anything).

For the PFC, use the following translations:
CALLSIGN = RUFZEICHEN
STATION = STATION
QTH = STANDORT
TRANSMITTER/POWER = SENDERTYP/LEISTUNG
ANTENNA = ANTENNENTYP
LOCATION = STANDORT

For the verification part, use: BESTAETIGT DURCH: (NAME UND STEMPEL)
which means verified by: (name and stamp)

===========================================================================

Thanks to this month's contributors:
(JDS) J.D. Stephens, USA
(MR) Mike Rivkin, USA
(KMH) K.M. Haywood, England
(RA) Rick Albright, USA
(JSM) Steve McDonald, Canada
(IB) Ian Baxter, England

Special thanks this month to Ralf Radermacher, Klaus Betke and Jean-Louis Querton for their efforts at translating and revising cover letters. Thanks also to Alex Wellner whose SS translation and spelling advice will be featured next month.

===========================================================================

# UTILITY ROUND-UP #
[ editor: Ary Boender ary@bitbike.com 2:283/512.24 ]

Saludos Amigos! Welcome to yet another edition of the Utility Round-up. What's on the menu this month? Uhh, let's see.... yeah I know, it has nothing to do with utility, but you have to check this out just for fun. The Mutual UFO Network 'MUFON' has a radio net on 7237 kHz SSB transmitting on Saturday morning 07-08 AM Central time (13-14 UTC). Then there is the first part of the Police on HF' series, an item about feeders and..... well, how about this one.... a couple of weeks ago, the BBC was forced to abandon 15070 kHz. Reason for this is the complaint that the Danish National Telecom Agency filed. It all started after Danish Telecom refused to allow EDXCh95 the use of a frequency that was outside the broadcasting band; the station tried to persuade DT by telling them that many BC stations are using ute freqs. DT then took the case to the international frequency-coordination conference in Bulgaria. The direct result of this is that no BC station from a CEPT country will be allowed to use freqs outside the BC-bands. 15070 is in the aero band and BBC must therefore abandon this frequency before 27-10. The frequency has been used for BC transmissions for more than 40 years!
<source: Guido Schotmans in the DX-Antwerp conference>

Hey, stop! What's that sound?

This active 'sweeper' is daily heard here in Western Europe. It covers 8 freqs and has the following characteristics:
Except for 7680 khz, the start on each freq is marked by a switch-on-pip at second 1, then 1 sec interval, 27 secs sweeping signal, 1 sec interval, then start on a new freq. Total time per freq is 30 secs. After the last freq there is a 6 secs interval, so the total cycle time is 4 mins 6 secs. This is an example of two cycles that I logged a couple of weeks ago:

Freq. hh.mm.ss hh.mm.ss hh.mm.ss

Pagina 871
I am very interested in your comments. Who and what is this baby???

Another unid

During the past weeks I copied lots of CW transmissions on 5329 kHz. My guess is that it is an Eastern European military station. Who has more info on the subject? This is how it looks like; there was no id and all the messages had the same structure namely:

```
BT nr69 S 26 10:07:18 1996 BT + 5L groups
```

which translates as: BT= start, nr69= msg nr, S=???, 26= day (26 sept.), 10:07:18= central European time.

Ye unbelievers....

For all those who still do not believe that (some) channel markers are directly connected to the Russian navy... here is more proof. This is not a hoax but an actual log!

3837 kHz, 26-9-1996, 20.00 UTC. Channel marker 'P' for 5 minutes, followed by callsign 'RMP' and weather for the Baltic area. Then 'P' again for ca. 2 minutes and s/off. RMP is the callsign of the Russian navy in Kaliningrad. All traffic was in CW.

Numbers and intelligence round-up

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- The US Army operates three Sikorksy EH-60 ELINT intercept helicopters in Bosnia. They can locate and monitor AM, FM, CW and SSB radio emissions from upper-HF to mid-VHF ranges over bandwidths of 8, 30 or 50 kHz.

- MOI Prague aka Czech Intelligence, c/s OLX currently uses the following freqs: 5301, 8142, 9320, 11416, 14977 and 18303 kHz. The callup starts at h+55 min in CW 'VVV DE OLX' followed by an id nr and the group count at the hour, then into 5N groups read by a woman in Czech or transmitted in CW.

- French military intelligence 'Direction du Renseignement Militaire' (DRM) recently admitted that it has lost several crypted radio sets in Bosnia.

- A morse station, nicknamed '98' can be heard on 2379, 3153, 3156, 4439, 4442, 5171 and 5196 kHz. The station transmits irregularly and can be recognized to its typical transmissions. They mostly start with '98' but other numbers were also copied, most of them in the 90's. Here an example of 3 messages that I copied on parallel freqs 2379//3151 kHz.

  98 12744 13111 11111 98 07802 13111 11111 98 04742 11111 11111

- Germany - According to a report of the Bundesamt fuer Verfassungsschutz (Federal Office for the Protection of the Constitution) Russia has been spreading its intelligence operations in Germany. Encoded radio communications between Moscow and its spies in Germany have intensified. German counter-intelligence agents have uncovered some dead drop sites with classified materials. Primary targets of the Russian spies are high-tech communication technology and computers. The GRU is active in monitoring locations of the NATO military units in Germany. <source: Izvestia Moscow>

- Takashi Kuroda reports that an unid numbers station is broadcasting on the same frequency as Radio Pyongyang from 15:00 UTC on 6520 kHz. He sez that it is a well known fact that they are sending messages to agents in Japan and South Korea. In the past North Korean agents were arrested by...
Japanese public security police or Korean public security police and they were usually equipped with Japanese made shortwave receivers such as Sony portables and a code manual for decoding the numbers. The language used is Korean. The transmissions are in AM.

Thanks, Takashi. I think that it is safe to presume that the North Korean intelligence agency is using the facilities of Radio Pyongyang.

- Russia - In April the Federalnaia Sluzhba Besopasnosti (Federal Security Service) arrested an (alleged?) MI6 agent while communicating with MI6 in London by SW radio.

- Charlie Crawford (ccrawford@hcc-uky.campus.mci.net) checks in with some weird stuff. He sez: 'Strange goings on on 4572U tonight 10/6/1996. I listened from 0409 to 0420utc. American accented woman with reading of single syllable English words at a slow measured pace, then at 0413 a rapid pulsed tone came on and I could still hear her but no longer understand her reading. At 0416 with the tone still going a man started reading single syllable English words. It was still going on at 0420 when I gave up. I checked again at 0513, and it is still going at 0548. At 0513 (with no pulsed tone now) the man was just talking about random thoughts in a casual tone. Then at 0515 he went into the single syllable English words again. Occasionally he would pause then start up again. At 0521 the woman started reading the words. At 0526 the pulsed tone came back and I could hear her in the background. At 0529 the man was doing the same random thoughts as earlier, with the tone still going on. At 0533 he went into the single syllable words again. At 0539 the woman started reading the words. I just checked at 0554 and the tone was gone and the man reading the words again. This didn't sound like any numbers station I had heard before. Sounds like strange tests. The single syllable words sure would not work well for coding since they are hard to understand, unlike the phonetic alphabet or numbers. Any thoughts on this?'

Algerian navy

An Algerian Navy out-of-area net has been copied on 9115.7 currently serving a pair of vessels off on a summer training cruise in the Mediterranean or Black Sea area. Their normal daytime in-area operations are in the 5 MHz (5324, 539x, etc) band. Only Nanuchka PGG, Osa PTG and Koni FFLs use the net. Fax is also used. Shore sites are obviously the three major bases and some minor facilities. Lousy CW is still the primary mode for these guys. <source: Mike Chace>

Feeders... the utility side of broadcasting

I recently received an e-mail from a new ute dxer who asked me what he had heard. It couldn't be a broadcasting station because a broadcasting station transmits in AM, right? So, what was this? A relay via a coastal station? what else could it be! What else? Well, uhh... a feeder perhaps? The fact that feeders are using SSB, confuses new ute dxers sometimes. Especially for them I compiled a list of feeder freqs and regular USB/LSB broadcasters that were active during the past year. Because of season influences, some freqs may have changed in the mean time. Additions or corrections are most welcome.

- What is a feeder?
  Feeder stations are being used to transmit programs to a distant transmitter side for later broadcast. Although many of them have disappeared in favor of satellite feeds, there are still a couple feeders on the air. Feeders transmit in USB and LSB mode. In some cases transmissions are in ISB mode, where both sidebands are carrying another broadcast.

- Voice of Russia / Radio Moscow

<table>
<thead>
<tr>
<th>Frequency</th>
<th>3384</th>
<th>5044</th>
<th>5064</th>
<th>5296</th>
<th>5775</th>
<th>5815</th>
</tr>
</thead>
<tbody>
<tr>
<td>6805</td>
<td>6822.5</td>
<td>6825</td>
<td>6875</td>
<td>6890</td>
<td>6987.5</td>
<td></td>
</tr>
<tr>
<td>7410</td>
<td>7450</td>
<td>7490</td>
<td>7970</td>
<td>8005</td>
<td>8040</td>
<td></td>
</tr>
<tr>
<td>9125</td>
<td>9148</td>
<td>9188</td>
<td>9210</td>
<td>10235</td>
<td>10300</td>
<td></td>
</tr>
<tr>
<td>10330</td>
<td>10344</td>
<td>10670</td>
<td>10740</td>
<td>10780</td>
<td>10855</td>
<td></td>
</tr>
<tr>
<td>11020</td>
<td>11575</td>
<td>12050</td>
<td>12160</td>
<td>12175</td>
<td>13375</td>
<td></td>
</tr>
</tbody>
</table>
Police on HF, pt 1

The time that Interpol was a daily guest on shortwave is already some time behind us. Only a few active stations are reported nowadays. Combined police forces in the Caribbean and the Mexican police are still using HF as do the Guardia Civil in Spain, the Portuguese police, the French Gendarmerie and the German MOI/Police combination. This is the first part of 'Police on HF'; any additional info is most welcome. Your info will be treated confidentially if you don't want to be credited, just let me know.

Guardia Civil, Portuguese and German police.

Please read my columns in last year's newsletters for articles about the Guardia Civil (July), the Portuguese police (May) and the German MOI/GSP stations (April and June).

Caribbean emergency network: mode USB, freq. 7850 kHz

This disaster preparedness net includes Red Cross stations as well as HAM and defense stations, coast guard and meteo stations. Most of them are only on the air when there is a disaster on hand (hurricane season). The police forces of Dominica, Monserrat, Antigua, Barbados, St.Vincent, St.Kitts & Nevis, Grenada, St.Lucia, Anguilla, Guyana, Trinidad & Tobago,
Tortola, all participating in this network, are also using this net for police traffic.

- **Venezuela**: mode LSB, 8130 kHz
- **Mexico**: mode USB, 7790 kHz. The following stations were identified: Veracruz, Ensenada, Mexicali, Tiajuana, Victoria, Monterrey, Campeche, La Paz, Toluca, Meriva, Acapulco, Villahermosa
- **Argentina**: mode USB, 12120 kHz, Policía Federal Buenos Aires
- **Saudi Arabia**: mode FEC 125bd, Saudi National Guard.
  - 7869.5, 11109.5, 11114.5, 12257.5, 12357.5, 12267.5, 12362.5 kHz
- **Zaire**: mode USB, 11152 kHz
- **Bosnia-Herzegovina**: Bihac: 4871.7 kHz, mode Clover
  - Turkish police: 11201.7, 10801.7 kHz, mode SitorhA
- **New Zealand**: mode USB, 2828, 4469, 4928 kHz
  - Maritime police: 2182, 2129, 4125, 4417 kHz + SAR freqs 3023 and 5680 kHz
- **Tuvalu**: mode USB, 7691 kHz, Funafuti
- **Interpol**
  - The International Criminal Police Organization (ICPO), Interpol, is an organization composed of 176 member countries with headquarters in Lyons, France. Interpol operates under a constitution which states its aims as:
    a) To ensure and promote the widest possible mutual assistance between all criminal police authorities within the limits of the laws existing in the different countries and in the spirit of the "Universal Declaration of Human Rights";
    b) To establish and develop all institutions likely to contribute effectively to the prevention and suppression of ordinary law crimes. By its constitution Interpol is forbidden to undertake any intervention or activities of a political, military, religious, or racial character. In each member country, a police service has been specially designated by the government to coordinate and respond to enquiries received from local and foreign law enforcement agencies.

**Frequencies**

**modes**: SitorhA, CW

- **Zurich**: 3309, 3314, 3332, 4632, 5262, 6871, 6881, 6884, 9185, 9194
- **Ankara, Buenos Aires**: 15738
- **Tokyo**: 19130, 14707, 14817.5, 18755.8
- **Kuala Lumpur, Bangkok, Colombo, Islamabad, Jakarta, New Delhi**: 18755.8

Note: most of the traffic has moved to satellite. Tokyo is still active though. Zurich only transmits its callsign in CW. Several test transmissions from the Asian stations have been noted during the past few years. Ankara and Buenos Aires were logged only once or twice since January 1995. The Portuguese police also transmits Interpol messages. These messages are integrated in their regular traffic.

- **The Royal Canadian Mounted Police**
  - The RCMP is Canada's national police service, providing law enforcement services in detachments across the country. The Drug Enforcement Program is only one of a number of other federal policing duties carried out by the RCMP. The National Central Bureau (Interpol Canada) is also located at RCMP HQ. It forwards all enquiries received from Canadian law enforcement agencies to the relevant foreign Interpol branches.

The Force is divided into 13 divisions. Each division is managed by a Commanding Officer. Divisions roughly approximate provincial boundaries with their headquarters located in respective provincial or territorial capitals (except Ottawa, Montreal and Vancouver). Divisions have 52 sub-
divisions and 707 detachments which range in strength from 1 to over 250 personnel. Air and Marine Services supply support to the divisions. The RCMP "Depot" Division training centre is located in Regina, Saskatchewan, and the Canadian Police College is located in Ottawa, Ontario.

Frequencies (modes: encrypted RTTY and USB)

<table>
<thead>
<tr>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>2788.0</td>
</tr>
<tr>
<td>4765.0</td>
</tr>
<tr>
<td>4776.5</td>
</tr>
<tr>
<td>4785.0</td>
</tr>
<tr>
<td>4798.5</td>
</tr>
<tr>
<td>4812.5</td>
</tr>
<tr>
<td>5445.0</td>
</tr>
<tr>
<td>6792.0</td>
</tr>
<tr>
<td>7780.0</td>
</tr>
<tr>
<td>9200.0</td>
</tr>
<tr>
<td>10390.0</td>
</tr>
<tr>
<td>14620.0</td>
</tr>
<tr>
<td>14817.5</td>
</tr>
<tr>
<td>19130.0</td>
</tr>
<tr>
<td>21785.0</td>
</tr>
<tr>
<td>21807.5</td>
</tr>
<tr>
<td>24110.0 kHz</td>
</tr>
</tbody>
</table>

Sources: Special Frequenzliste, WUN's logfiles, Monitoring Times, FBI and RCMP home pages, Grove's Shortwave Directory, Mohammad Sultan, Dirk v.d. Wal via DX-Antwerp and the rest of the gang... you know who you are :-)  

Alex Wellner (alexw@zeta.org.au) has a mystery he would like to share:

**ANARCHY ON THE BANDS or Who are these people anyway!**

I am an Ute listener since 1963. My specialty is the really unusual point-to-point transmissions, of which there are plenty. I got a very large list of mostly phone conversations which are cropping up just about anywhere these days. These phone nets are roughly three groups. The Pacific islands which can be Fiji, Samoa, Vanuatu or Papua New Guinea. Asian countries, including China, Japan, Korea or any other nation in that region. Lastly, most of these phone conversations come from the Philippines. They can be recognized by the first party calling a 2 letter callsign, usually Papa Delta, although many other letter combinations are monitored. Once the other party answers, there is an exchange of traffic, which can be a simple phone conversation, but more often there is a list of orders or business communications. It is usually in accented English. Every word is pronounced, then spelled phonetically, making the conversations very long.

Up till a few months ago these phone nets were evident largely on the 7 and 10 meter band, but now they invaded the 5, 6, and 8 meg Maritime and Aero bands as well. They can blatantly sit on a Military frequency like 5700, or scatter in the Marine, CW or RTTY bands as well. I don't know how they got their transmitters calibrated, but they have a total disregard of the band allocation. The worst example I came across was just yesterday when I picked up a Pacific Island phone net on 5642.5 just 1/2 KHZ away from the busy 5643 carrying all the Pacific Aero traffic. The interference was horrible. Lucky most of these transmitters are low powered. For your information I submit all the frequencies I monitored during the month of September on the 8 meg band:

<table>
<thead>
<tr>
<th>Frequency</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8101</td>
<td>Aussie fishing on the military band</td>
</tr>
<tr>
<td>8125</td>
<td>Unid Filipino phone net in marine band</td>
</tr>
<tr>
<td>8250</td>
<td>Unid Asian phone net 1KHZ away from marine ch 811</td>
</tr>
<tr>
<td>8335</td>
<td>Unid Filipino phone net. Listed as German Navy frequency.</td>
</tr>
<tr>
<td>8355.6</td>
<td>Unid Pacific Island phone net, in data band.</td>
</tr>
<tr>
<td>8455</td>
<td>Pacific Island phone net in CW band. (Voice)</td>
</tr>
<tr>
<td>8463</td>
<td>Pacific Island phone net in RTTY band. (Voice)</td>
</tr>
<tr>
<td>8490</td>
<td>Unid Asian phone net in CW band (Voice)</td>
</tr>
<tr>
<td>8495.3</td>
<td>Possibly Malaysian phone in CW band. (Voice)</td>
</tr>
<tr>
<td>8518</td>
<td>Pacific Island phone net in CW band (Voice)</td>
</tr>
<tr>
<td>8525</td>
<td>Filipino phone net in CW band (Voice)</td>
</tr>
<tr>
<td>8560</td>
<td>Filipino phone net in CW band (Voice)</td>
</tr>
<tr>
<td>8566.7</td>
<td>Pacific Island phone net in CW band (Voice)</td>
</tr>
<tr>
<td>8650</td>
<td>Filipino phone net in CW band (Voice)</td>
</tr>
<tr>
<td>8762</td>
<td>Pacific Island phone net 1KHZ away from ch 815 in marine band</td>
</tr>
<tr>
<td>8876</td>
<td>Pacific Island phone net in Aero band</td>
</tr>
<tr>
<td>8905</td>
<td>Unid Asian phone net in Aero band</td>
</tr>
<tr>
<td>8915</td>
<td>Unid Asian phone net in Aero band</td>
</tr>
<tr>
<td>8935</td>
<td>Unid Asian phone net in Aero band</td>
</tr>
<tr>
<td>8938.7</td>
<td>Unid Asian phone net in Aero band</td>
</tr>
<tr>
<td>8975</td>
<td>Pacific Island phone net in Military band</td>
</tr>
<tr>
<td>8977</td>
<td>Unid Filipino phone net in Military band</td>
</tr>
</tbody>
</table>
I have many more of these in the 9 meg Military band as well. If anyone could give me more information on these nets, I would be really grateful.

Interesting stuff, thanks Alex! Who can comment?

That's all for now folks. I hope you liked it. Thanks for sending your findings. Keep it coming! See you next month. Bye for now, -Ary-

============================================================================

The WUN Logs Column
Rick "RD" Baker, editor: 1352 Cavalcade Dr., Austintown, Ohio 44515-3844 USA
e-mail: utelistener@msn.com or ae411@yfn.ysu.edu

Co-edited by TEAM LOGS:
Andy Brill from Auckland New Zealand (abrill@iprolink.co.nz); Roland Proesch, from Kiel, Germany (Roland.Proesch@kiel.netsurf.de) and Stan Scalsky from Leonardtown, Md, USA (sscalsk@atc.ameritel.net)

Effective next month Dave Wright (dcwright@webstar.net) takes over as editor of this column. I will remain as a helper in Team Logs doing the snail mail logs for Dave. So those of you who have sent your logs by mail can just continue to do so. Also those of you who are anonymous may also continue to send them to me if you wish by e-mail. I appreciate all those who have supported this column the last two years, but I find the editing of well over 1/4 meg's worth of raw files monthly, along with my other WUN duties, is taking it's toll. There are other major WUN projects in the works and this frees up a lot of time for me to do these projects. I hope you all continue to support Dave, as I believe a monthly uniformly organized listing of logs is a real information source. I appreciate Dave taking on this major job!

Major headaches this month in that Roland's hard drive crashed and he lost the whole months worth of posted logs with last names A thru J. We tried to recover as many as we could, but it was very time consuming (that's why the newsletter is late). Sorry if we missed anyone. Last month, I accidentally deleted a zip file sent by Andy Brill...just before he left the country for 5 weeks! That meant some logs posted by those with last names K thru Z were lost. I'm sorry some of the logs were lost. I know one person was very angry with me his logs were lost. I can only say that considering the immense amount of time and team effort that is needed to bring together data of this size, I think we do pretty well. If you want guaranteed that your logs will be in the newsletter, send them direct to Stan Scalsky (he does e-mail logs) in or close to WUN format, and this decreases the chance of them being lost.

Each of you can help a lot if you post your logs in WUN format or closer than some of you do. It seems a few try to scatter the data as far apart as possible - hi! But the end result is that a member of Team Logs may spend 2 hours editing just ONE persons posted logs for the month. Any help along these lines is really appreciated!

Despite all this, I am encouraging each and every one of you to make an "anniversary" log for WUN's third anniversary newsletter in the January, 1997 issue. It need not be 100 logs, but a sample of what can be heard from each members country. I would like to illustrate the worldwide nature of WUN in this manner. If you do not wish a name used, just let us know. The deadline for the Third Anniversary Logs Column will be Jan. 10, 1997. So please plan on this and snag a few logs. I think our (then a record) turn out last year was 75 contributors from 14 countries. I'm sure we can beat that record easily as we have 76 contributors alone just for this issue! Take a few minutes and make a few logs for this special issue.

If you like figures, we had 109k in edited logs for the digital section; 90k for military; 35k for civil aero; 34k for maritime; and 19k for the miscellaneous section this month.

=CIVIL AERO=

2872 Shanwick: 2058 w/UNID (Thunder 119??) s/c AE-3S (ANDL) Pakistan 724 0518 USB secal BC-EP wkg Gander/ARP 55N50W F350 A310 AP-BEU. (TO)

5315 INDIA-4408 1646 USB calling Aktio (LGPZ). No joy. Who told them that Aktio is monitoring 5313? The only frequency listed in the supplement is 5637. Naturally, they didn't get any answers to their calls. (CK)
Mozambique 707 0346 USB wkg Kinshasa/ARP TENKA 46 F370 ONRAK 0405 QSY Lubumbashi VHF. Speedbird 055 0409 USB wkg Kinshasa/ARP UPARA 09 F330 PISPA 0426. Virgin 601 0418 USB wkg Kinshasa/ARP UPARA F370. (TO)


BKS361 1840 USB Stockholm/dep.BRU 1805/27 eta MAD 2019 Fuel 50.0 cargo 49506kgs set/FGKB N2674U DC 8 copy to EWW. (RD3)


Delta 1152 0407 USB wkg SFO/ARP EDSEL 0406 F340 ELKEY. TORA 99 0429 USB wkg SFO/ARP EDSEL 0406 F340 ELKEY. TORA 99 0429 USB wkg SFO/ARP EDSEL 0406 F340 ELKEY. TORA 99 0429 USB wkg SFO/ARP EDSEL 0406 F340 ELKEY. TORA 99 0429 USB wkg SFO/ARP EDSEL 0406 F340 ELKEY.
5598  N9300 0300 USB Shanwick/ARP 45N/30W 0257 F410 47N20W 0352 48N15W
selcal/AEQR (G4). TORCH 05 1812 USB Shanwick/ARP 4630N10W 1811 F200
45N15W 1916 (later cleared F220). N49JU 1956 Santa Maria/INDIA 1955
F330 37N30W 2010 41N40W sel/KREH (CL61). N52AC 2028 USB Santa
Maria/44N40W 2027 F370 2131 sel/HPDE (RDS) BACKY 01 0357 USB wkg
NY/ARP 42N50W F290 42N40W-Flores. Speedbird 232 0403 USB selcal DH-CL
2962/6628. Lufthansa 8256 0511 USB selcal/EKhJM wkg Shanwick/ARP
ETOPI F310 48N20W relay to Atlas Air Ops. BLUE 84 0430 USB wkg NY/ARP
47N40W F330 45N30W-43N20W. Lufthansa 404 0207 USB selcal LM-HS wkg
NY/Selcal check A340 D-AZGF. REACH OOD7 0112 USB wkg Gander/ARP
51N50W F330 ETA ETAR 0546. Iberia 6170 0133 USB selcal HL-BD wkg
NY/Selcal chk 747 EC-GAG. Air Canada 856 0139 USB selcal DP-KQ wkg
Gander/Selcal check 747-400 C-GAGM. United 920 0140 USB selcal AQ-BG
wkg Selcal/chk 777 N777UA. Delta 32 0142 USB selcal CD-ES wkg NY/Selcal
chk 767-300ER N184DN. TWA 900 0333 USB selcal AF-CG wkg
NY/Selcal check. Canadian 54 0334 USB selcal DG-FG wkg Shanwick/ARP
54N40W F310. (TO)

5616  Pack 99 1117 USB wkg Shanwick w/posn, outbound Leuchars routing
56N10W 1114, est 58N20W 1157, 59N30W next, NAThD, FL 350 M.80. Quid
71 0841 USB Shanwick posn, 50N15W 09:34 FL270 M.80. (ANUK) Gander
Radio 0256 USB clg TWA926 tried till at least 0307z with selcal
(MWS) EWW174 1840 USB Shanwick/49N30W 1836 F290 51N20W 1907 51N15W
M.80 Fuel 54.1 eta Destination 2115. To call 2899. N33M 0640 USB
Gander/ARP PORGY 0638 F410 57N50W 0705 57N40W sel/HKCP (G4). N701QS
1108 USB Shanwick/ARP 52N20W 1107 F430 53N30W 1203 52N40W. N157H 1714
USB Shanwick/ARP 56N30W 1713 F410 55N20W 1754 54N15W sel/KRBP. N600LC
1754 USB Shanwick/ARP 56N30W 1753 F410 57N20W 1836 55N10W (relayed by
AMT8721 & KLM978). ELVIS91 1512 USB Shanwick/ARP 55M30W 1511 F350
54N20W 1602 52N30W. FRD330 1530 USB Shanwick/ARP 55M30W 1528 F370
54N20W 1607 54N15W (RD3) Fedex 3 2225 USB selcal GP-FL wkg Gander/ARP
48N30W F310. Emery 173 2226 USB wkg Gander/radio check on the ramp at YQX
Gander in two hours. Fedex 1 2231 USB selcal KM-BR wkg Gander/ARP
60N30W F310. Fedex 5 2232 USB selcal AB-ER wkg Shanwick/selcal check
MD11F N608FE. N159M 2334 USB selcal HS-EG wkg Shanwick/selcal check.
Reach 30557 2236 USB wkg Gander/ARP 56N30W F330 55N20W-55N15W.
N52AC 2312 USB selcal JS-KO wkg Gander/ARP 64N50W F350 64N60W-YVP. USAIR 16
0035 USB selcal BF-JP wkg Shanwick/Gander/selcal check 767 N6S1US. (TO)

5643  VH-CCC 1246 USB w/Tahiti @"RAXER"(21-19S/157-00W) FL410-450 (JSM)

5649  Speedbird Concorde-3 2249 USB wkg Gander. FL510. SELCAL- BD-CM. (IB)
IMADU 1945 USB Shanwick/ARP 50N20W 1943 F410 50N30W 2043 50N40W (RD3)
Speedbird 296 0435 USB selcal BD-AH wkg Shanwick/ARP selcal check.
Lufthansa 451 0405 USB selcal AL-EW wkg Gander/ARP PRAWN F370. Virgin
0100 0406 USB selcal SHWAN wkg Shanwick/ARP 52N30W F370. Air France
007 0507 USB selcal AF-CS wkg Shanwick/ref F390 747-400 F-GITF. KLM
602 0519 USB selcal DJ-BG wkg Gander/ARP PRAWN F350 747-400 PH-BFA.
Virgin 002 0418 USB selcal BH-JM wkg Shanwick/ARP 55N50W F370. Air
France 063 0520 USB selcal CP-FQ wkg Gander/ARP 5960W F370. Alitalia
651 2229 USB selcal EK-JL wkg Gander/Selcal check I-DEMY 747. S-bird
Concorde 003 2247 USB selcal AG-E3 wkg Gander/ARP SM 30 2248 FS20
climbing SM 40W 2309 SSC G-BOAF. Lufthansa 409 2344 USB selcal CM-LS
wkg Gander/selcal check. German AF 141 2351 USB selcal DM-QS wkg
Gander/selcal check A310 10+23. KLM 664 2351 USB selcal DM-AK wkg
Gander/ARP 58N50W F370 .85. KLM 672 0037 USB selcal DL-AM wkg
Gander/selcal check 747-93TU. Lufthansa 419 0042 USB selcal CG-AF
wkg Gander/ARP OYSTR F370 747 D-ABYR. Speedbird 114 0053 USB selcal
BD-CH wkg Gander/Selcal chk 747 G-BBPU. Condor 173 0149 USB selcal
DF-LQ wkg Gander/Selcal check. LOT 007 0237 USB selcal LQ-GK wkg
Gander/selcal check 767 SP-LPA. Singapore 25 0454 USB selcal EQ-DR
wkg Gander/amended speed Clearance. Air Europe 22 0457 USB selcal
AE-JR wkg Gander/ARP 51N40W F370. (TO) MAU060 2259 USB Cairo, Ktm/ARP
ME 2258 F350 ALEBA 2316 UMINI 2322 LUXOR 2349 To call 129.4. AIC208
2259 USB Addis, Nairobi/ARP UMINI 2326 F370 ALEBA 2308. MAU042 2259
USB Ktm, Asmara/(Mauritius-LHR) F350 TOKAR 0042A.340. AAZA769 2300 USB
Bombay/ARP SUGID 2253 F800 R350 MAROB 2339 sel/ FKDL(IDUPE MD11).
IRAG89 2259 USB Nairobi/ADIS/ARP F330 AFKAR??2311. AFR485 2306 USB
Pagina 879
6556 Vietnam-534: 2200 USB Wkg Calcutta. SELCAL- LS-CG. (IB)
6558 Navy STF-01 USB NY/Ft/v FVR @ 17500ft via NUCAR 2305 req. dct
Jacksonville. To call Miami 135.07 & monitor 5541. BAW74 2259 USB
Accra/ARP SENOR 2312 F310 NY 2331 sel/BDEH GBDXH. CFG173 2304 USB
NY/ARP LOIZ 2302 F330 HUNKY 2309 JESSE 2316 - BERGH 2335 sel/LMBR
(DABUA B767). BAL065b 2304 USB NY/ARP BRUNZ 2314 F270 KOHOE. CUB1481
2305 USB NY/ARP JESSE 2303 F240 MAPYL 2326 ELBOW. To 134.8 (AW) Air
Europa 124 2052 USB selcal HS-GK wkg NY/ARP 30N60W F350 35N50W-
40N40W. (TO)
6617 Rostov ( -na-Donu ) Meteo, RUS: 1626 USB RR Volmet fr Krasnodar,
Mineralny Wodi, etc, s/off-ID "Rostov Meteo kanjez", Volmet sked: h+25. (Sankt)
Petersburg Meteo, RUS: 1735 USB RR f Volmet, sked: h+35
(ANDL)
6622 Shanwick 1630 USB w/"001" (ANDL) N352AF 1737 USB Shanwick/ARP 57N20W
1736 F370 56N10W 1817 MAC. (RD3)
6628 Santa Maria OACC: 2200 wkg REACH V7 involved in search at FL 370 20
NM W of Flores A/C reported that due to the weather closing in and
lack of fuel it would return to base at Norfolk VA. (CM2)
Santa Maria USB wkg USN 2304 (??) Lake (?) crossing Atlantic 43N
38W (?) who had encountered fuel transfer problems at one point
Shanwick & New York wre both trying to contact this plane w/no joy.
It did however report being initially at 1,000 ft rapidly descending
(!) recovering to 1,900 for a while looking healthier but then back
to 1,000 & then Loosing contact w/ Oceanic. Interestingly I was lead
to this freq. by a USAF flight on 8968 reporting to Lajes picking up
the initial distress call from the plane. Wkg Santa Maria at the same
time was "REACH V8" refuelling with 'QUID 81 and 82' in the Azores
area I believe. (LB5)
6637 CKS801 0256 USB Miami/Various dep/arr msgs too faint only caught ETA
Miami 0435 Fuel 56.0 req.KMIA wx. (RD3) Fine Air 64 0404 USB wkg
Cedar Rapids/pp to Comp. Ops re: dev. 60 mis S of track due volcanic
activity in the Mexico City FIR at ATC req. Fine Air 426FB 0442 USB
selcal DK-GJ wkg Miami LDOC/reg selcal check on ramp at MIA; Miami
informs flt. selcal unit out of service, unable selcal check. N92LA
0449 USB wkg Houston LDOC/dept. SVM1 0358 ETA Wilmington 0717 at
F390. Fine Air 426 0415 USB selcal DK-GJ wkg Miami LDOC/Selcal check
departing MIA in about 10 minutes. (TO)
6649 REACH 8L3 0313 USB wkg Recife/ARP 5.40N3850W 0308 F340 req F370. LAN
Chile 171 0315 USB wkg Recife/ARP POLDA 0314 F350--note that Recife
now seems to have switched freqs from 8861 to both 8855 and 6649 in
addition to 5565 to work flights in the SAT MWARA. LAN Chile 139 0330
USB wkg Panama/ARP DUXUN 29 F330. Boliviano 911 0513 USB wkg Panama/
ARP DUXUN 09 F330 ALBAN. (TO)
6676 Sydney Volmet, AUS: 1730 USB ee m machine voice, Volmet fr Melbourne,
etc., h+30 (ANDL)
6730 Almaty (Alma Ata) Meteo, KAZ: 1715 USB RR f Volmet, id, sked: h+15
(ANDL)
6765 HSW: Bangkok, Thailand 1308 USB wx bcst. (AB2)
7542 AMM 430 1905 USB over Limoges, France wkg Stockholm R., private pp to
UK (QSY'ed here from 8930). (MB3)
8825 Manila 1020 USB talking to 2 others in Aero band, NAT-E. (AW)
8828 Honolulu Volmet 1035 USB wx & ID. (BDS) Honolulu Volmet 1200 USB
aviation wx USB wkg sigmet warnings. (Kw2)
Challenge Air 80P 1919 USB wkg NY/ARP BURTT F390 JAINS. USAir 1459
1920 USB selcal HR-JL wkg NY/Selcal check listed as 737-400. N150JT
1934 USB selcal BG-HK wkg NY/ARP PRSS 32 F310. American 664 2003 USB
selcal DR-KE wkg NY/Selcal check A300 N7062A. (TO)
8849 Beijing 0750 USB Volmet wx in EE by YL. (AW)
8855 OXO503 0216 USB Manaus/ARP MADKO 0235 req.Manaus wx.To call 126.3
(opr-Millon Air,Miami). UAL976 0220 USB Porto Velho/ARP ISATU 0215
PALES 0221 BOLSO req. deviate 20nm r.of track due wx.To call 133.8.
UAL990 0230 USB Manaus/ARP DARLO 0307 F390. UAL992 0234 USB
Manaus/ARP ATF 0231 F390 NANDA 0303 MANAUS next. AAL972 0241 USB
Manaus/ARP XINGU 0239 F350 ATF 0300 sel/EGCM N316AA B767. (RD3)


Transbrasil 796 0501 USB wkg Manaus/ARP Boa Vista 0500 F390. United 976 0509 USB wkg Manaus/QSY Manaus CTR 126.3/125.4/128.3.

Listed as P3c from Pautuxent NAS. Cleared to F240 at 0618. American 962 0616 USB wkg Cayenne/Belem-working both of these stations re flight level. Must descend now to F330 at Belem's req. QSY Recife Center 6649/5565.

Aruba 521 0433 USB wkg Manaus/req F370 QSY Brasilia CTR VHF. Transbrasil 796 0501 USB wkg Manaus/ARP Boa Vista 0500 F390. PAKON.


Transbrasil 796 0501 USB wkg Manaus/ARP Boa Vista 0500 F390. United 976 0509 USB wkg Manaus/QSY Manaus CTR 126.3/125.4/128.3.

Listed as P3c from Pautuxent NAS. Cleared to F240 at 0618. American 962 0616 USB wkg Cayenne/Belem-working both of these stations re flight level. Must descend now to F330 at Belem's req. QSY Recife Center 6649/5565.

8903


8918

New York (CAR-MWARA) 2351 USB wkg American 2176 is diverting direct to Cyprus & needs wx. (RB) SAVA6353 1648 USB Speedbird Lon/On ground Paris;arr.LFPO 1634/44 fuel 12.4. to call 5535/10072 as unreadable(Clear by me!) (RD3)

8930

Roskilde (ETAR US85/0916holm) 0205/0123 enroute fuel 165.0 uplift 20655 USgal 240 px sel/DFEG (N194AT L.1011). SBE6013 1744 USB Portishead/On ground Mahon,p/p to Company;will be back at EGKK 2145 or earlier.Not sure how many px to take from Goldcrest Avn.oss.130 px.Caledonian will take the remainder in an A320. (AW) KLM 346 1604 USB wkg Stockholm R., req private pp. Stockholm R. QSY’ed him to 10.575. Soon KLM 346 was back on 8930 complaining about the px on a RTTY stn. was S9 here). (MB3) CVP1376 1704 USB Stockholm/p/p to CYP ops,Larnaca. CAL346 1740 USB Stockholm/dep.LUX 1700/27 eta AUH 2330 Fuel 101.8 uplift 2787g usp fuel 10787kgs sel/GLFM B747. TFABE 1758 USB Stockholm/o/h Bucharest-req selcal chkhStockholm sent'FMAB'which din't check,'ABE' stated it was GB/JBF not FMAB,which checked OK! (RD3)

8933

SAA252 0203 USB Springbok ops/o/h RUPNAL? 0203 F350 ANIRO 0228 (RD3)  Berne Radio (SUI): 1335 USB f EE w/UNID, QSY f 10069 (ANDL)

8937

Moskva Meteo (RUS) 1313 USB RR f Volmet fr Vnukova, Nishni Novgorod, Cheremetowa, Voronezh, Ulyanovsk, etc., s/off. Kiev Meteo (UKR) 1320 USB RR f Volmet fr Kishinev, Simferopol, Dnepropetrovsk, Donetsk, etc., s/off (ANDL)

8951

United 2 0905 USB wkg Tokyo, Posrep. (AW)

8957

EIP, Shannon Volmet, IRL: 1335 USB m EE Volmet (ANDL)

8960

Sabre Airlines Wkg Portishead. (IB)

10018  Bombay FIC, MWARA:MID (IND) 1615 USB Wkg Indiah-154? (ANDL)

10033  AJT 820 1952 USB wkg Miami LDOC/dep SJU 1927/38 ETA MIA 2145 Amerijet 727.... (TO)

10051  Gander Radio (CAN) 0020 USB wkg EE m clg Indiah154? (ANDL)

10069  Berne Radio (SUI) 1352 USB wkg Frankfurt, s/c ARQS, wx req fr FFM; 1618 w/Korean 9013 s/c ESCJ to Paris-CDG ?; 1000 w/TWA841 s/c EFAJ; 1040 USB W/Air Maroc 810 fm Casablanca to Frankfurt, pos. Madrid, s/c AMBS; 1041 w/American 111 to Miami. 1041 Alitalia 620 Clg Berne; Berne 1045 USB W/Korean 913, wx fr Amsterdam (TO)

10072  Speedbird London (G) 1323 USB f w/Speedbird 268; 1325 w/ Jetset(?) -809, 100 S of Belgrade, s/c: CR-DS, pp to Manchester Control; 1415 w/UNIT, registration BIKB s/c KLAG pp req. to Mainsail (?); 1418 w/Speedbird 851; 1508 w/Speedbird 485 pos. Paris (ground); 1510 w/(Jetset)-448 s/c APDK, pp to Manchester Operations (=their company); 1718 w/Caledonian 704 pos. Frankfurt Operation Ldn-Gatwick. Bombay (IND) 1648 USB W/Korean 907, eta LondonhHeath; 1820, s/c AMBS; 1041 w/Air Maroc 810 s/c AEGK; 1041 w/ Korean 9013 s/c ESCJ to Paris-CDG ?; 1000 w/TWA841 s/c EFAJ; 1040 USB W/Air Maroc 810 fm Casablanca to Frankfurt, pos. Madrid, s/c AMBS; 1041 w/American 111 to Miami. 1041 Alitalia 620 Clg Berne; Berne 1045 USB W/Korean 913, wx fr Amsterdam (TO)

10075  Big A 320 0425 USB selcal HK-AF wkg Houston LDOC/dept. SKRG & selcal check. HPIA 1913 USB wkg Clg Houston LDOC no joy; ideas?. (TO)

10079  Stockholm Radio LDOC 1240 USB pp w/Dutchman, tel.number don't answer. 1301 c1g VRCVD pls go to 8930. 1336 pp w/Air India. (btw 10790 kHz unknown freq. for Stockholm R.) (PB)

11282  Northwest 933 0159 USB wkg HNL/ARP re-estimating DEROK 0233.


11300  AIN 817 1957 USB selcal BK-AM wkg Khartoum/ARP ATUGA 56 F310 JU 2005 DC8-54F 3D-AFX. (TO)

11342  Fine Air 44UA 1939 USB selcal AK-HL wkg NY ARINC/o/h Piarco departed SM1P 1829/1834 ETA MIA 2309. (TO)


11355  TRACING(?): 1420 USB c1g Falcon (Gulf Air at Manama, Bahrain) came in pretty strong. a/c callsign was GF072 Bahrainh-Madras. (LL)

13205  Air Europa 772 1930 USB Clg Berne Radio for several minutes, no joy here. (RB)

13261  Nandi 2340 USB c1g several aircraft. (AW)

13282  Auckland 0220 USB Volmet wx broadcast. (AW) Auckland VOLMET 1924 USB wkg Auto wx for La Tontouta and ID. (TO)

Please note that ARQ is used for Sitor-A, FEC is used for Sitor-B, and both of these modes are 100/170 unless noted otherwise. RTTY is used for Baudot. This is not as a statement of correctness, but rather a space saving measure.

15.9 Unid: 2039 OQPSK 200bps UNID System (MC)
19.6 Unid: 2042 OQPSK 200bps UNID System (MC)
20.3 Unid: 2046 FSK 50bd/45 UNID System (MC)
21.1 Russian Navy 2047 36-50 50bd/70 tfc (MC)
21.7 Unid: 2051 OQPSK 200bps UNID System (MC)
37.5 Unid: 2054 OQPSK 100bps UNID System (MC)
39.9 Unid: 2100 OQPSK 100bps UNID System (MC)
49 Unid: 2105 FSK 50bd/85 UNID System (MC)
53.6 Moscow Meteo, RUS 1815 FAX 120/576 FL350 wind & temp prognosis. (KB)
53.6 Moscow Meteo 2300 FAX. (RRR)
57.4 Unid: 2106 FSK 75bd/50 UNID System (MC)
61.8 Unid: 2016 FSK 75bd/80 UNID System, sync, cont, ACF=0 (MC)
129.1 DCF49: BMPT Bonn,D 1141 ASCII 200bd Encrypted traffic + tests (AB)
130 Unid: 2022 FSK 75bd/80 UNID System, async, cont, ACF=0 (MC)
135.5 Unid: 2023 FSK 75bd/75 UNID System, sync, cont, ACF=0 (MC)
141.4 Unid: 2024 FSK 75bd/75 UNID System, sync, cont, ACF=0 (MC)
144.5 Moscow Meteo, RUS 1830 FAX 90/576 not so good chart. (KB)
147.3 DDH47: Hamburg Meteo, D: 1610z RTTY 50bd RYRYRY (AB)
147.3 DDH47: Hamburg Meteo, D: 1610z RTTY 50Bd RYhmkr "CQ de DDH47 DDH9 DDH... 147.3 11039 14467.3 kHz" (ANDL)
NMM: USCG Portsmouth, Va 0155 FEC Omega NAVTEX messages & firing exercise warnings. NMR: USCG San Juan, PR 0213 FEC Nav warnings. Unid 0220 FEC NAVTEX wx incl. port warnings due to hurr. Hortense id'd as "USCG GANTSEC BDCST NAVTEX BNN" - (BDS) (This should be a part of CG San Juan's broadcast, GANTSEC is Greater Antilles Section, San Juan, PR -LOGS)
PBBK: Netherlands CG 1956 FEC distress msgs. SUZ: Serapeum radio 1957 FEC navtex msgs blown away by cross ill de Quessant. ESA: Tallin radio 2030 FEC navtex. GCC: Cullercoats rdo 1700 FEC rig list. (BvR)
521.5 Unid: 2028 FSK 100bd/160 UNID System, sync, cont, ACF=0 (MC)
524 Unid: 2030 FSK 75bd/165 UNID System, sync, cont, ACF=0 (MC)
1860 Unid: 2055 OQPSK 250bps DGPS info (MC)
1894.5 Unid: 2058 OQPSK 250bps DGPS info (MC)

Pagina 885
1895 Unid: 2057 QPSK 250bps DGPS info (MC)

1905 SAB: Goteborg Radio, S 2322 ARQ Tfc to several vessels (AB)

2017.5 Grengel Met, Germany UTC? FAX 120/576 horrendous multipath but on air again. (LC)

2038 Unid: 0414 Unid 110/220 w/unid mode, sounds same as 7542.7, 5220.7. (RB)

2187.5 GMDSS CHANNEL 2314 GMDSS 100/170 Logged to disc till 29/0850. File shows number of packets including two distress calls (North Sea SE of Shetland + N Dover Straits) w/acknowledgements & distress relays. (Dw)

2195.5 DMM: Grengel meteo 1832 RTTY 100 wx. (BvR)

DHM44: Grengel, Ger 1900 RTTY 100/400 wx for German locations. (JD2)

2197.5 Grengel Met, Germany UTC? FAX 120/576 horrendous multipath but on air again. (LC)

2249 MUH: unk 0830 PICCOLO h6 wkg MKK (3109.5). (JD2) (MUH is unid British Army, MKK is RAF London-LOGS)

2342.5 Grengel Met, Germany UTC? FAX 120/576 horrendous multipath but on air again. (LC)

2380 YLQ, Riga Radio, LTU: 0220 ARQ CWhid (ANDL)

2451.5 OA: Irish Navy Dublin, IRL 2133 ARQ Routine msgs. 81: Irish Navy, IRL 2156 ARQ w/37. Routine msgs (AB)

2458 DNL: Dutch navy Goeree, HOL 2138.4 RTTY 75bd Availability msgs (AB)

2514.8 ???, Turkish Navy (where?), TUR: 0025 RTTY 75/850 NATO-routing-header/styl msg to (PP) RTQGDBCY in 5LG's. (ANDL)

2538 SQBL: mv Ziemia Krakowska 2058 ARQ clg QFKV, QFMV, QFMP (all Norddeich Radio) (AB)

2573.7 PBC32, DNy Goeree, NLD: 0215 RTTY 75/850 w/CARB msg: 02A 04C 06B 08B 12B 17X 22X PBC (ANDL)

2580 FUE: French navy Brest,F 0210 RTTY 75/850 mkr: VVV DE FUE RY SG 1234567890 INT ZBZ (ANDL)

2608 FRC: French navy Brest,F 0210 RTTY 75/850 "vvv vvv vvv de de de de de de fuo fuo fuo fuo fuo (MC)

2609 FRC: French navy Brest,F 0210 RTTY 75/850 mkr: vvv de de de de de de fuo fuo fuo fuo fuo (MC)

2610 Unid 2300 RTTY 50bd Endless 5LG's. All msgs end with 'QRU F R' (AB)

2651 Unid: 2037 FSK 75bd/170 UNID System, Reversals, lead-in ACF=64, crypto (MC)

2670 Samara Meteo, RUS 2015 FAX 60/576 unreadable chart with iso lines, ending at 2030. (KB)

2720 DAN, Norddeich Radio, D: 0210 ARQ CW-id: DAN (ANDL)

2780 GND4, Stonehaven Radio, G: 0205 ARQ CW-id: GND4 (ANDL)

2785.2 UNID: 2332z RTTY 75/850 mni coded msg each after RYR RYR RYR... VMGTJCN-J character 1 line dwn-BH, MARK QRV in msg-free times, see WUN 7/96 digital 8317.8 kHz, VFT of FUE on 2788.7 ?? same time/exact same signal level on S-meter, also UNID 850Hz on 2787.2 kHz, also a VFT-ch.??. Brit. Military? (see WUN-Logs 7/96 Digital: 62 kHz) (ANDL)

2798.7 FUE: French navy Brest,F 0210 RTTY 75/850 mkr: VVV DE FUE RY SG 1234567890 K, 2320z w/FF h-fc after FS FS DE FUE FUE PAS DE SYNCHRO QRX K, than agn AA de FUE/RY-mkr. 0018z bit more then 75h?/850 mkr: VV DE FUE VV (ANDL)

2808 FUE: French navy Brest,F 2240 RTTY 75bd/850 test tape (AB)

2819 ESA, Tallinn Radio, EST 2241 ARQ w/CW marker (AB)

2825 ESA, Tallinn R, EST: 0015 ARQ / CW id: DE ESA (ANDL)

2830.8 IGJ41, I Ny Augusta, I: 0002 RTTY 175/850 w/CARB-msg: IGJ41LK /IGJ42 /IGJ343 /IGJ3 /IDR2 /IDR3 /IDR8 /IDR5 /, // to 2814.8 kHz (ANDL)

2831 IGJ41, I Ny Augusta, I: 0002 RTTY 175/850 w/CARB-msg: IGJ41LK /IGJ42 /IGJ343 /IDR2 /IDR3 /IDR8 /IDR5 /, // to 2814.8 kHz (ANDL)

2831.8 IDR8, I Ny Rome, I: 0014 RTTY 75/850 w/CARB-msg: IGJ41LO /IGJ42 /IGJ343 /IDR2 /IDR3 /IDR8 /IDR5 /, // to 2805.8 kHz (ANDL)

2831 IDR8: Italian navy Rome, I 2235 RTTY 75bd Availability msgs (AB)

2831 IDR8, I Ny Rome, I: 0155 CW mkr: VVV DE IDR8 (ANDL)

IDR8: Rome Naval, Italy 2235 RTTY 75/850 combined CARB IDR/IGJ, not parallel. IGJ is 100 baud. (JD2)

2840 DBIF: mv BG22 Neustrelitz 0635 ARQ w/Cuxhaven CG. BG22 has e-diesel problems. DLGZ: mv BG21 Bredstedt 2301 ARQ w/Cuxhaven CG. Posn report (AB)

2892.3 MGJ: Navy Faslane,G 2254 RTTY 75bd Availability msgs (AB)

2892.3 MGJ, RNY Faslane, G: 0155 RTTY 75/425 w/CARB msg, e.g.: 02D 03B 04B
06C 08A 08D 12B 12C 16C 25D MGJ", MGJ-id each 2 CARB-msg (ANDL)

MGJ: RN Faslane, Scotland? 0045 RTTY 75/340 availability data. (FH)

Unid: 2030 FSK 150bd/850 UNID System, sync, cont, ACF=0 (MC)

MKK: RAF Bampton, UK 0830 PICCOLO 6 wkg MUH (2249). (JD2)

9MR5: Johor Bahru Naval, Malaysia 1700 RTTY 75/850 broadcast ID MRB. (JD2)

IMB31, Rome Meteo, I: 2300 RTTY 50/850 RY/CQ mx: ZCZC CQ DE IMB/31/32/33 RYRY NNNN (ANDL)

Unid: 1948 RTTY 50bd Endless 5LG's. (AB)

Unid: 0153 UNID mode (192/300) (ES)

British Mil 2032 Piccolo-12, crypto (MC)

Northwood Naval, GBR 0230 FAX 120/576 In the last four times I've received this chart it's been a different orientation presumably to reduce the boredom. (LC)

Egyptian Air Defense 1930 ARQ-E 46.1 tcf til 0500 (ANEE)

Russian Mil 2028 MS5 12 tone vocoder (3300Hz pilot), tcf (MC)

British Mil 2031 Piccolo-12, crypto (MC)

Russian Mil 2024 MS5 12 tone vocoder (3300Hz pilot), tcf (MC)

British Mil 2122 RTTY 75bd/850 "ry..rvmgtcnjbh" leadhin, crypto (MC)

IGJ41: Italian navy Augusta, I 2256 RTTY 75bd Availability msgs (AB)

Unid: 0100 RTTY 75/850 w/EE KAWN wx. (FH)

Unid: 2024 FSK 150bd/400 UNID System, sync, cont, ACF=0 (MC)

British Mil 2118 PSK 2400bps UNID System (MC)

British Mil 2122 RTTY 75bd/850 "ry..ryvmgtcnjbh" lead-in, crypto (MC)

ELSS4: TKH KAPITAN SPIVAK 0716 ARQ msg to NOVOSHIP UK Ltd with eta for Wilhelmshaven. Login 10413 KASP. Vsl is ex UVRB. (HOOD)

IGJ42: Italian navy Augusta, I 2146 RTTY 75bd Availability msgs (AB)
WUNhv02

IGJ42: Italian Navy Augusta 2131 RTTY 100/850 CARB 'IGJ41 /IGJ42 /IGJ43 /IDR2 /IDR31o /IDR8 (PB)

4232 Navy London, G 2246 RTTY 100bd Encrypted msgs (AB)

4259 NATO Mil 2026 PSK 2400bps UNID System (MC)

4271 CFH: Halifax, Canada 0219 FAX 120/576 wx map, "sig wx depiction VT1200" according to list. (BDS)

4301 NATO Mil 1936 PSK 2400bps UNID System (MC)

4307 GYA: Northwood, UK 0230 FAX 120/576 schedule. (LC) Northwood Naval, GBR 0230 FAX 120/576 In the last four times I've received this chart it's been a different orientation presumably to reduce the boredom. (LC)

4482 BJZ25: Wuhan, CHN 1327 RTTY 75/425 meteo. (AB2)

4512 ETD: Addis Abeba Air Ethiopia 1545 RTTY 50/425 MET (NOTAM)h(MS4)

4525 SST: Antananarivo Meteo MDG 2200 RTTY 100/425 w/synoptic wx (off-air between txes) (ML2)

4542 UNID: 2300 ARQ-E 96/400 idling (either RFVI or RFVITT) (ML2)

4560 RLBxx: Moscow Met, URS UTC? FAX 90/576 unknown chart type - Middle East. (LC)

4610 GFA/GFE Bracknell Met, GBR 1300 FAX 120/576 to 1700, for a change. Most interesting period is from 1541z for an hour or so finishing w/another nice line in ice (20 minute chart) at 1602 (PINT21 EGRR) before going back to aviation charts... 120 / 288 and 120/576. (LC)

4615 NATO Mil 2028 PSK 2400bps UNID System (MC)

4813.7 'RXFKE': UNID GermanhMIL, D, 0837 RTTY 50Bd/850 testing to '2UA3'. (ANEU)

4827 Unid: 0551 ARQ sending selcall LCIP for several minutes, then off. (RB)

4843 Unid 1135 ARQ-E 72/400 idle (ED)

4846.2 UNID SUI-MIL-net, SUI, 1235 F1B 68.57Bd/85 into PSEUDO# encrypted tcf, after multiple 10 bit crypto preamble. (ANEU)

4971 Unid: 1754 ARQ-E 96 nng idle bonn? (BvR)

4972.4 Unid: 1750 ARQ-E 96 nng idle hamburg? (BvR)

4977.3 Unid: 1756 ARQ-E 96 nng idle bonn? (BvR)

4979.7 Unid: 1758 ARQ-E 96 nng idle bonn? (BvR)

5049.2 Portuguese Police 1805 FEC Comgerpssp 20021 msgs to cdbrg 20036 police portugal. (BvR)

5073 unid 1738 RTTY 50/500 tcf in Polish language, ended w/'ok qru zko' (PB)

5082.2 RFLI: Ft de France 1045 ARQ-E3 192/400 (IRT) to RFLIRT Cayenne, Controle de Voie, been here for 7 years, not in callbooks. (FH)

5099.7 'WS'+ 'T1': UNID Italian Packet net., 0749 PR-300bd/850 messages in the clear. Mentioning satellite launch from Kourou/GUF. (ANEU)

5111.9 Unid: 2037 VFT: 3ch of 75bd/85 FSK UNID System, sync, cont, ACF=0 (MC)

5112.1 Unid: 1747 VFT: 3ch of 75bd/85 FSK UNID System, sync, cont, ACF=0 (MC)

5150 RLB: Moscow Met 0045 FAX 120/576 1 chart from unidentifiable area plotted data sfc chart. (LC)

5154 USN MARS HF mailbox 0730 PACTOR w/NNNOGDE relaying tcf from NNOCEI, USS Camden (AOE-2). (RB)

5180 BAA9: Beijing, CHN 1258 RTTY 75/850 meteo. (AB2)

5214.9 Unid 1100 unk 110/170 usually idle or encryption, thought to be FF in Pacific. (FH)

5265.5 MKK: Royal Air Force, London 2102 VFT: 2ch of Piccolo-6, eng ch "de mkk u be 55555ers pal kkk" (MC)

5265.9 MKK: Royal Air Force, London 2103 VFT: 2ch f Piccolo-6, crypto tcf (MC)

5292.7 Spanish Navy, Granada 2040 VFT: 2ch of 100bd/150 ALE System, ACF=38/76 (MC)

5315 BJZ27: Wuhan, CHN 1302 RTTY 75/850 meteo. (AB2)

5397.7 RFFP: MOD Paris, F 0520 ARQ-M2 200/425 w/"diffusion restreinte" tcf on Ch.B. (RB)

5402 Unid: 1759 ARQ idling in receive mode to 1805 & off. (RB)

5420 RFFWERM: 0815 ARQ-E 72 wkg/RFFW til 1100 (ANEU)

5457.1 Unid: 2044 FSK 200bd/580 UNID System, sync, cont, ACF=0 (MC)

5746 OLZ88: MFA Praha, CZE, 1245 IRA-ARQ 300.6bd/400, message headers starting with : m[-Praha77777_7F777777w, then binary data. (ANEU)

5747 Unid: 2113 RTTY 50bd/200 crypto headed "kriptograma weresex-673
WUN-v02

fokstrot" (MC)

5773.2 HD2D0: MFA Bern 1438 ARQ S/Lgs, ended w/')))) end of message' (PB)

5774 POL-EMB Berlin, D 1050 POL-ARQ 100 5-CRC; SFGs to SNN299. (ANEU)

5804.7 UNID German AF, D, 09:13, ALIS HI-speed PSK-bursts, ACK bursts of other party very weak. (ANEU)

5807 ZKLF: Auckland Meteo, NZ 1156 FAX 120/576 w/weak chart. (RB)

5843.5 MFA Helsinki, FNL 1221 F1B 3018d/770, Packet-like burst mode. (ANEU)

5863 Russian Navy 2119 36h50 50bd/200 tfc (MC)

5865.7 'JU1C': UNID British MIL 1345 RTTY 75/850 fox test to 'EM40'. 'EM40': UNID British (?) MIL, 13:50, RTTY 75/850, fox test to 'JU1C' unstable transmitter, asking if 'JU1C' wants to go secure. (ANEU)

5895.7 'RXFKE': UNID German-MIL, D 1233 RTTY 50BD/850 testing to '2UAA'. (ANEU)

6217 Unid: 1749 ARQ selcalling xdfq. (BVR)

6222 OST: Oostende radio 1743 ARQ vmvmvmvmvm. (BVR)

6237.7 Mv Superlady 31960 1800 ARQ supply list. (BVR)

6263 ELHW3: M/V WESTERN TRADE 0107 ARQ W/TLX (WT)

6264 UZQ: TKH General Blazhevich 0100 ARQ Ukrainian 7,805 DWT bulk carrier, w/crew TG's to Mariopol Radio (MRU/MMF), is ex-UOVG, login 67532 UZQ. UYAF?: TKH Kapitan Adglade 0120 ARQ Ukrainian-flagged vsl, w/crew TG's to same (MRU/MMF), used UAT for login, poss chg from Odesisskii/Komsomolets? No info for Kap Adglade. (RB) KCDK: GUS W. DARNELL 2337 ARQ WKG KFS W/PERSON TLG. LOGIN 11643 KCDK (WT)

6265.5 UCN: TKG IGOR GRABAR 1755 ARQ BBXX to UCW4. (BVR)

6267 OXGF4: MV SUSAN 0703 ARQ admin to OXZ. ITU gives as NAUTILUS. login 10177 OXGF4. (HOOD)

6272 Mv Mekhanik Brilin 1147 ARQ maritex mgs to Rotterdam abt Eta Tallin. (BVR)

6272.5 3FKE2: M/V Sanko Moon 0513 ARQ w/AMVER, bound Long Beach to Guaymas, is 37,664 DWT bulk carrier. (RB) ELNT6: M/V PEARL VENUS 0457 ARQ WKG NMC W/MSG TO PLEAD CONTROL. LOGIN 25154 PLVN. (WT)

6286.5 UFGG: TKH LADOVA 3 0636 CW admin from Km Egorov to UCW4. (HOOD)

6314.5 SAB: Gothenberg radio 0928 ARQ ww unid mv. (BVR)

6315.5 USU: Mariupol radio 1735 ARQ tlc tfc. (BVR)

6316.5 7FF: Boufarik radio 0836 ARQ sc dxtv. (BVR)

6317 UCE: Arkhangelsk radio 1812 ARQ WW UNID MV. (BVR)

6318 LGB: Rogaland radio 1830 ARQ tlc tfc. (BVR)

6318.3 IDR3: Rome Naval, Italy 2210 RTTY 75/850 combined CARB IDR/IGJ, not parallel. IGJ is 100 baud. (JD2)

6326.5 YLQ: Riga Radio, Latvia 1835 ARQ 6061 ylq autotlx w/ship 60628. (BVR)

6326.5 Unid: 1000 FEC Unid idle (alpha status) for 45 min no tfc. (BVR)

6327.3 UAT: Moscow Radio 1757 ARQ Moscow radio tlc tfc with urdj, at 1807 FEC w/tlc list. (BVR) WOM: Miami R Fla 1235 FEC SSB Raidotelephone Freqs, phone info. (RT2)

6329.5 VCT: Global wireless Tors Cove 1906 FEC Hello all stations message. (BVR)

6330 LZW: Varna Radio 1800 ARQ tlc to dksms. (BVR)

6335.5 IGJ43: Italian navy Augusta, I 1939 RTTY 75bd Availability msgs (AB) IGJ43, INy Augusta, I: 1305z RTTY 75/850 w/CARB msg: IGJ44/0 /IGJ43 /IDR2 /IDR3 0 /IDR4 /IDR5 / (ANDL) IGJ43: Italian Navy Augusta 1650 RTTY 75/850 CARB availability IGJ44/1GJ42/IGJ43am/IDR2/IDR3/ IDR4po/ (PB)

6341.5 YLQ: Riga Radio, LVA 1935 RTTY 50bd w/mv Pavede in CW and RTTY (AB)

6348 HWN, FNY Paris, F: 1315/1555z RTTY 150bd/850 SY/Sg-mkr, id (ANDL)

HWN: FN Paris 2224 RTTY 150 ryryry. (BVR)

LOV3: (J.K. sez may be Rio Grande, ARG) 1025 RTTY 5L msg. (FH)

HWN: French Navy Paris 2040 RTTY 150 baud!! w/RYRYR/SGYSGSG. (RK)

6351.8 UNID: 1315 150bd7/850 sounds like HWN/FNY on 6347.8 but encrypted.
WUN-v02

6358.5 PBC36, DNY Goeree, NLD: 0950 RTTY 75/850 w/CARB msgs like: 02A 04CAE 06BOO 08BOO 12BOO 17X 22X PBC (ANDL)

6382 PBB, DNY Den Helder, NLD: 1240 RTTY 75/850 carrier, all 8 sec. ID: PBB, all 5 min. UTC time but 1 min. too early: 1240 (at 1239z) (ANDL)

6384 Unid 0100 RTTY 50/425 encryption, worthy of monitoring for ID at start-up. (FH)

6394.8 TBA3, TNY Ankara/Izmir ?, TUR: 1240 RTTY 75/850 5LG's, NATO msg format: ...T12A...UUUU...TBH...PP RTQGDBCY DE RXQMND, 1235 idle (ANDL)

6397 FUX: Le Port, Reunion 0050 RTTY 75/850 RY's then "FUX TESTING", not in callbooks. (FH)

6400 UON: BAKU RADIO 1838 RTTY 50/170 RYs and freqs as 6400/8500. (HOOD)

6425 CFH: Halifax 0130 RTTY 75/850 usually encrypted, try 0710. (FH)

6430 CFH: Halifax, Canada, 0037Z, 75/450 RTTY w/ wx reports (9/19/96)

6501.6 RFFXI: French Forces Bangui, CAF 0238 ARQhE 96/469 (Bangui to RFFXIC Bouar) (presumed) idling. (RB) RFFXI: FF Bangui CAF 2125 ARQ-E 96/400 w/svce msg & operator chat to RFFXIC Bouar CAF (ML2)

6502 TBB6, TNY Ankara, TUR: 1625 CW mkr: VVV TBDJ DE TBB6 QAPVVV VV. (ANDL)

6502 Unid: 2037 FSK 75bd/850 UNID System, reversals, ACF=64 lead-in, crypto, revs (MC)

6702 Unid: 1441 RS-ARQ 228.5bd/170 tcf (MC)

6769 SNN299: MFA Warsaw 1456 POLhARQ 100/262 w/qtc list (PB)

6782.4 Russian? 1959 UNID Fast PSK System (MC)

6800 Unid: 1020 unk w/unk baud/500 shift. (CK)

6820 LZZ3, JOR: 1740 RTTY 50/425 EE press (ANDL)

6829 ROUhEMB Warszawa, POL 0730 ROUhFEC 218.32Bd/400 Polish press review, pages separated by 'varsovie'. (ANEU)

7333 Unid: 1430 Packet Xmsn clobbered by CHU (RM)

7350 BAF44: Beijing, China 1408 RTTY 50/850 meteo msgs, here for 7 years, not in callbooks. (FH)

7350 Algerian Emb. Tripoli 1421 COQ-8 26 "qs1 quatre cccc". (DW)

7370 MFA Algiers 1405 COQ-8 26 Tfc in French - diplo press summary. (DW)

7379.5 MFA Sofia 1400 UNID 108.86bd FIB-FEC till 1430 (ANE)
WUN-v02

RFFXIW: (somewhere in Bangui area) 0039 ARQ-E 96/400 "ZIC XZWO00 ZID XXW003", the latter C.I. refers to "00 Favieres de RFFIW", It did not give callsign of Favieres, probably RFFXCC. Another day another partial garbled at 0038 FF msg "DE RFFX...RFFXIWHJ RFFXI RFFXIW". The rest garbled, no C.I. was readable so no assurance it was from RFFXED. To date we can say this is from or to RFFXED, loc unk, C.I. XXW. The other C.I. XXW belongs to Favieres. Since the French military computer net sends mirror messages back to the sender, we do not know for sure that this freq is RFFXIW. (FH)

7975

SPW: Warsaw Radio 1820 FEC Polish ship press. (Dw)

7983.7

poss RTFJ: FF Dakar 0244 ARQhE 48/400 Copied end of message & into idles. (Dw2) RTFJ: FF Dakar, Sen 0110 ARQ-E 48/387 ngs/9ngs presumed. (RT2) (probably correct with c/i T3F - LOGS)

7987

U.S. Navy, unk loc 1020 RTTY 75/850 encrypted. (FH)

7997

Unid: 2350 RTTY 50/976 w/YYYYY, SOH299 50/425 has been logged here). (FH)

8011.8

REB566***: Spain? 0623 300bd/200 Packet Attempting connect to REY211 (MC)

8011.8

REY211***: Spain? 0622 300bd/200 Packet Beacon announces "Estancia Pehmajio" (MC)

8012.2

Russian Mil 1430 MS5 12 tone vocoder (3300Hz pilot), tfc (MC)

8012.6

Unid: 2150 ARQ w/EE tfc. (FH)

8013.4

Algerian Embassy, Delhi 2128 Coquelet-8 13.3bd MSGs in FF "jr/bsr alger de delhi je rle" (MC)

8014

Unid: 1844 81-81 81bd/200 tfc (MC)

8020

HMFB5, KCNA Pyongyang, KRE 1755 RTTY 50/170 EE press (ANDL)

8027.1

Romanian Embassy 2052 ROU-FEC 218.3bd/400 crypto (MC)

8028

V5G***: Romanian MFA, Bucharest 2012 ROU-FEC 164.5bd/400 (Bitmask=24) MSGs in RR to many embassies (MC)

8031

REX: 1800 ARQ-E 184.6 wkg/RFFXQA til 0430 (ANNE)

8035.5

British Mil 1100 VFT: 4ch of Piccolo-6, eng ch idle (MC)

8035.9

British Mil 1110 VFT: 4ch of Piccolo-6, crypto (MC)

8036.3

British Mil 1110 VFT: 4ch of Piccolo-6, crypto (MC)

8036.7

British Mil 1100, VFT: 4ch of Piccolo-6, tfc ch idle (MC)

8043.1

Russian Mil 1732 FSK 200bd/500 UNID System, sync, cont, ACF=0 (MC)

8049.7

Unid: 2310 RTTY 50/875 to 0100 w/a row of RY's, then a row of TEST over & over, Occasionally for variety a partial row of VVVVV. (FH)

8050.2


8071.5

Unid: 1933 FEC w/EE wx, strong, ends 1812 & off, wx ship? (FH)

8101.5

Unid: 1811 FEC w/EE wx, strong, ends 1812 & off, wx ship? (FH)

8102.5

NSY: USAF Sigonella, Sicily 1900 B9W voice on LSB, VFTh6028 on USB, Wkg AJE (11508). (JD2)

8108.2

UNID 0259 ARQ-M2 (200/340) idles. (Dw2) RFFX?: MOD Paris, F 0045 ARQ-M2 200/384 idle. (RT2) [usually RFQP: Djibouti c/i QPF - LOGS]

8133

Unid: 2007 FSK 200bd/500 UNID System, sync, cont, ACF=0 (MC)

8148

MFA Warsaw, POL 0844 POL-ARQ 105bd Claris and coded msg to various embassies (AB)

8170

Unid: 2022 FSK 75bd/850 UNID System, reversals, ACF=64 lead-in, crypto, revs (MC)

8182

INTEL Athens, GRC 16:50 ARQ-E 96/190 unusual activity on the eve of the Greek parliamentary elections, QSX 10951 kHz for BND Liaison Service. (ANEU) German Forces? 1804 ARQ-E 96bd/170 crypto (MC)

8184.5

Unid: 2007 FSK 200bd/500 UNID System, sync, cont, ACF=0 (MC)

8192

9MR11: Johor Bahru Naval, Malaysia 1700 RTTY 75/850 broadcast ID MRB. (JD2)
WUN-v02

8231.5 Unid: 2204 TT2300b 100bd idle (MC)
8236.7 Chinese Diplo 2028 4x4 tcf (MC)
8243.5 Unid: 1734 TT2300b 100bd idle (MC)
8316.7 Chinese Diplo 2030 4x4 tcf (MC)

8377 EQLV8: Balit Star 0240 ARQ lovey-dovey tlx from crewperson to gal(?).
P3I03: Evrimeidon 0315 ARQ re problem w/vsl's fresh water, selcall 00629. SQNK: General Grot-Rowecki 0441 ARQ tcf. URMA: Skovortsov-Stepanov 0152 ARQ req wx info from Portishead Radio. (AB2)
M/V Nand Anant 2008 ARQ tcf to KQOV (Portishead Radio) w/msg for Cerrahgil Ship Agency, Istanbul (PB)

8377.5 KSBK: Arco Alaska 0000 ARQ msg check. SVCQ: Aeolic Reefer 2334 ARQ OBS msg, selcall 16828. WTST: Lihue 1753 ARQ vsl going on a 30 day voyage to Asia. (AB2) KPSB: SS CORONADO 0418 ARQ WKG KFS W/QRG RPT. LOGIN 10749 KPSB. (WT)

8378 9HDA3: MV LINA 0656 CW msg abt bulk wheat cargo via TAH. (ITU name is "DINA", but copied several times as "LINA/9HDA3"). (HODO) VR1: BT Nestor 0205 ARQ arrival report to BT Ship. EQPP: Iran Abozar 1327 ARQ tcf to Tehran via Perth Radio, selcall 59231. 3FZWS: Pacific Mayor 1413 ARQ AUSREP/FR msg. VVQ: Kanpur 1428 ARQ AUSREP/FR msg, selcall 23647. VVJS: Devprayag 1233 ARQ ETA Vizag. (AB2)

8379 ELEV8: Lircay 0107 ARQ w/tlx via WLO re departed Norfolk (I assume Va, U.S. by signal). (RB) 9MCF5: M/V BUDI HUDA 0110 ARQ W/TLX LOGIN 61698 TOSCA. (WT)

8379.5 JLPY: Taisei Maru 1136 ARQ Jasrep msg. (AB2) ELNS4: M/V Pacific Star 2323 ARQ Liberian- flagged 10,564 DWT reefer (Star Reefers) w/tlx re bound Bandila, Manila. (RB)

8380.5 ESBI: Pikti1 0145 ARQ posn reprt 15.40S/77.10W -off the coast of Peru. YEVW: Doon Solo 1249 ARQ tcf unid lang. C6CH3: Smit Lloyd III 1305 ARQ tcf. OVCY2: Svendborg Gale 1308 ARQ tcf. (AB2) IBJG: M/V Orinoco 2300 ARQ w/AMVER tlx. (RB)

8381 ELIG9: Arctic Ocean 0151 ARQ tlx for Ecline, Miami, selcall 24743. ELRU3: Boardship Universe 1308 ARQ OBS msg. WRLY: Green Ridge 1247 ARQ unclass tcf to Bayonne, London & Washington, ETA Bremerhaven pilot. UWFU: Viktor Kournatovskiy 1446 ARQ anchored 35 NM from Fairway buoy awaiting instructions from Houston pilot station on VHF. (AB2)

8381.5 3FZD4: O. (Ocean?) Spirit 1302 ARQ tcf for Hamburg & Paris outbound Campo w/512 MT of logs (must be for WUN Logs Column -hi!), listed as fact trawler, converted? (AB2) YLBF: TKH Evans Kulibins 2128 ARQ w/traffc to Riga Radio, login 60633 YLBF. (RB) UUEI: MV Sokol 1500 ARQ w/tcf for Dubai logoff 67747 UUE (TD2) YLAE: Mikhails Lomonosovs 0115 ARQ WKG YLQ, RIGA, LAT. LOGIN 60619 YLAO. (WT)

8382 SQFA: Rekin 0244 ARQ stowage report, selcall 43185. ENZR: Valentijn Zolotarev 0336 ARQ tcf to Odessa, used old c/s UBPE at msg end w/selcall 55828. 2CB9D: Chiquita Frances 1213 ARQ tcf. (AB2) ELCV3: M/V Pacific Runner 0237 ARQ 17,830 DWT Ro/Re cargo vsl, w/tlx via KPH re annual inspections. 9GYU: M/V Keta Lagoon 0130 ARQ 16,667 DWT dry cargo vsl (Black Star Line) w/tlx re parts needed, login 19402 9GYU. (RB)

8383 USLG: Cherkassy 1318 ARQ crew TG's. UBHP: Osip Pyatnitskiy 1349 ARQ vsl bound for Singapore. (AB2) ELNY5: D.S.R. Senator (Liberian) ARQ advising finished loading cargo.. (PT) SVCF: M/V Agolic Reefer 0056 ARQ W/TLX LOGIN 16828 SVCF. (WT)

8383.1 EUJV: Rybak Kamchatkj 1139 RTTY 50/170 crew TG's after RY's (46's) & DE EUJV to UFZ. (AB2)

8383.5 UPQY: Sodruzhestvo 1414 RTTY 50/170 RY's & DE UPQY to UFZ. (AB2) UZNV: RTKS Konstruktor Kokkin 1953 RTTY 50/170 to Sevastopol Radio w/TG's from crew (PB)

8384 UVBX: Lakhta 1240 ARQ tcf for PA Ltd Tokyo. (AB2)

8385 C4ZB: Coryton 1353 ARQ partial posn report, garbled text, selcall used 29636. UZWX: Geroi Novorossiyska 1358 ARQ ETA Batou Rouge, selcall 55144. P3T3: Norcape 0404 ARQ revised ETA Freeport due to heavy rain, is this ex-C6LU7? (AB2)

8385 SHIP "PELLA/F4FC" 1228 ARQ Traffic -status and eta Alexandria. (DW)

8385.5 WBN2073: Rig Engineer 1330 ARQ monthly report. KSHF: Guadalupe 0242 Pagina 893
WUNhv02

8386   UBR: Matvey Kuzmin 0318 ARQ crew TG's to UFH. UOQY: Butovsk 0347 ARQ crew TG's. KPJC: Cornucopia 1159 ARQ obs msg. (AB2) KIBJ: SS GREEN HARBOUR 0130 ARQ W/BBXX (WT)

8386.5 C6BK6: C.R. Marseille 1319 ARQ msg check, selcall 61440. (AB2)

8386    ELSK2: Unan Avetisyan 0029 ARQ c/s & vsl name only. 9GYU: Keta Lagoon 1418 ARQ vsl bound for Houston w/cargo of paper reels, selcall 19402. (AB2) EOLK: TKH VASILY NIZAROV 0705 ARQ admin to OXZ. login 55930 EOLK. Vsl is a "MORSKOY" type s/r cargo ship. (HOOD) BOAD: M/V MIN HE 0130 ARQ WKG KPH, RX ONLY. (WT)

8387   SQGD: Wlocznik 0154 ARQ admin/payroll tlx. SQMO: Aquarius 0208 ARQ crew payroll tlx. DVRD: General Tirona 1159 ARQ tfc for Hong Kong, Singapore & Montevideo. (AB2)

8387    SFPM: M/V Joh Gorthon 0001 ARQ w/BBXX wx obs tlx via SAB w/login 26103 SFPM. NRCB: USCGC Eagle (WIXh327) 1536 USB wkg NMN w/unclass traffic, posn 3609N/06729W, this is the CG's 3 masted training barque, "America's Tall Ship" & she was returning home from an extended tour of European ports. VGLN: M/T Irving Artic 1610 ARQ 38,281 DWT oil tanker (Kentline) w/BBXX wx obs via NMN. (RB)

8387.5 UERJ: M/V PETR SHMIDT 0417 ARQ LOGIN, 54961 UERJ, QRU/QRU. (WT)

8388   LAII2: M/V Adriatic 0023 ARQ 27,271 DWT bulk carrier, w/departure tlx for Port Carreereal, bound Port Everglades (FL) w/cargo of 12,256.37MT of shredded scrap. C4XH: M/V Derby North 0334 ARQ 64,491 DWT bulk carrier, w/tlx re funds, login 29323 DNORTH. (RB)

8389   P3HR2: M/V Belgrano 1518 ARQ 69,000 DWT bulk carrier, w/tlx for ETA, login 56188 P3HR2. (RB)

8389.5 9HMX3: TK Novomir 1 0100 ARQ w/NVRTLG+ crew TG tfc. ELNJ5: TK Nagatyino 2156 ARQ Liberian-flagged 47,067 DWT tanker w/crew TG's to Novorossiysk Radio, login 24472 NAGA, this is ex-UNWJ, TK Nagayevo. UBLA: TKH Mekhanik Slauta 2201 ARQ w/NVRTLG crew TG traffic to Novorossiysk Radio, login 54970 UBLA. UVLQ: TKH Marshal Zhukov 2209 ARQ 59,638 DWT bulk carrier, w/tlx re info for agent in Quebec, Can, from master KM Gienko, login 54829 UVLQ. UJEK: TK Marshal Chukov 2216 ARQ 67,980 DWT tanker, w/crew TG's to Novorossiysk. (RB)

8390   YLAQ: TKH Vasiliy Fesenkov 2251 ARQ w/crew TG's to Riga Radio, login 60621 YLAQ. (RB)

8391   P3HR2: M/V Belgrano 1518 ARQ 69,000 DWT bulk carrier, w/tlx for ETA, login 56188 P3HR2. (RB)

8391.5 3ELK9: Ever Cheer 1403 ARQ ETA Yantai, selcall 42978. BPCP: Da Qing 74 1416 ARQ tfc via XSG. BPFE: Jian She 5 (tanker) 1441 ARQ tfc via XSG, selcall 2014. (AB2)

8392   C6RT: Celtic Sea 0307 ARQ tcf. C6DJ: Bongo Danielson 1315 ARQ tcf, selcall 61733. KLEZ: Overseas Arctic 1434 ARQ AMVER msg. 3ELF9: Doctor Lykes 1439 ARQ tcf. (AB2) 3PXH3: M/V Fortune 0105 ARQ w/posn tlx, 2801N/05923W. GBPP: Union St Augus 0150 USB w/login for msg ck. C6LV2: M/V Miico 0215 ARQ w/tlx re entr Houston w/372 steel bars of 126 MT. (RB) P3AB3: M/V ATLANTIS TWO 0140 ARQ W/T LXG NIGN 01718 ATWO. (WT)

8394   PQAB: M/V Frotamerica 0302 ARQ 36,130 DWT Brazilian-flagged bulk carrier, w/tlx for ETA Santos, Brazil. (RB)

8395   3EQE9: Xin Hui 1406 ARQ tcf for Hong Kong & Singapore, vsl loading cargo of rice. 3FBP5: Golden Yang 1431 ARQ tcf for needed supplies. (AB2)

8398.5 SCVF: MT MASTIVK 1615 ARQ to Sab (berthed Le Havre). (HOOD)

8399   SQXG: MT OTOL 0450 ARQ W/T LXG IN PP (WT)

8399.5 UVDD: TKH KAPITAN DZHURASHEVICH 1725 RTTY 50/170 admin from Km Temkin to UUI. (HOOD)

8400   UVBD: TKH NOVORZHEV 0653 RTTY 50/170 admin to Istanbul (in EE) via USOS. (HOOD) SNVY: M/T LANGUSTA 0355 ARQ SGD WARSZAW W/FISH RPTS FOR SGDS, SQDS, SQG AND SELF. (WT)

8401   UAWA: ZERNOGRAD (AG-1337) 1500 RTTY 50/170 admin from Km Volkov to RKLM. Vsl is ex UVTT. (HOOD)

8401.5 ESCP: FT HOBULAIAD 0655 RTTY 50/170 msg to Torshavn via UIW. (HOOD)

8402.5 UIAN: MKRTM DUSETOS 2135 RTTY 50/170 admin from Km Medvedev to UIW. (HOOD)

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8402.5 UHIY: AMURSKIY BEREG 0840 RTTY 50/170 crew TGs to Khabarovsk and Vlad via UIW. (HOOD) USJ2: PB Sergey Vasilisin 2044 RTTY 50/170 Ukrainian 'floating base' (Plavuchaya Baza -PB) vsl, w/admin TG from KMD Krasnik to Murmansk Radio. UBOW: TR Prenzhinskiy Zaliv 2143 RTTY 50/170 13051 DWT refrigerated fish carrier, w/crew TG's to Vladivostok radio (VLD/VTF). UEMP: RTMS Malta 2258 RTTY 50/170 Russian Rybolovnyy Trauler Morilzhnyy (RTMS, or super fishing trawler/super freezer vsl), w/crew TG's to K-grad. (RB)

8403 UVEM: TKH ONEGA 1008 RTTY 50/170 admin from Km Kulbin to St Ptbgr. (HOOD) UQQT: RTMKS Pavel Kutakhov 2040 RTTY 50/170 Ukrainian 'floating base' (Plavuchaya Baza hPB) vsl, w/admin TG from KMD Krasnik to Murmansk Radio. UBOW: TR Penzhinskiy Zaliv 2143 RTTY 50/170 13051 DWT refrigerated fish carrier, w/crew TG's to Vladivostok radio (VLD/VTF). UEMP: RTMS Malta 2258 RTTY 50/170 Russian Rybolovnyy Trauler Morilzhnyy (RTMS, or super fishing trawler/super freezer vsl), w/crew TG's to K-grad. (RB)

8403.5 ESCP: FT HOBULAID 0705 RTTY 50/170 msg for Torshavn via UIW. UNOF: RTMS ALEKSEY GRACHYEVEV 0648 msg for Torshavn from Km Kovalev via UIW. (HOOD) UQFJ: RTMKS Pavel Kutakhov 0719 RTTY 50/170 crew TGs to UDK2 using hull MAh1819. (HOOD)
8510.7 unid 0805 ARQ-E 96/395 idling (PB)
8538 6WW: Dakar 0945 RTTY 75/850 1e brick. (FH) 6WW: French Navy Dakar
0815 RTTY 75/850 testing tape "voici testing de la station six whisky
whisky" (PB)
8540 USU: Mariupol Radio, UKR 1504 RTTY 50bd Wx (AB)
8646 FUJ: FN Noumea, NCL 1255 RTTY 75/841 1.5 stopbit de fuj testing
ryryryryry test strip p/u at 546-676 still tx when i changed freq.
(RT2)
8677.5 UGC: Sankt Petersburg Radio, RUS 1750 ARQ w/CWhid UGC (ANDL)
8884.9 unid 2010 RTTY 47.6/500 seems to be a Korean Embassy station or MFA
Pyongyang. msg starts w/"mf72/62 947 17 05351" then going into 5Fgs
17 = number of groups------A In the clear is likes to be phonetic
Korean e.g. "zosenzungqqang tongsinjeon zosenqei haidangqanzen
gigoanqeise" next msg begins w/"nr 0151 b1 03351 chuzngen.
pengyayang. zoqinguqei choigo" etc. etc. (PB)
8885 Unid: 1448 FSK 200bd/500 UNID System, sync, cont, ACF=0 (MC)
8918.3 Unid: Prob Egyptian Embassy 2208 ARQ sending 5LG's. (RB)
8918.7 MFA Cairo 1745 ARQ wkg/Embassy Paris w/off line cipher (ANEE)
8996 NATO Mil 1729 Link-11 tfc (MC)
9050 NSY: USN Catania Sicily 0940 FAX wx maps. (CK)
9066 POL-EMB Moskva, RUS 1050 POL-ARQ 100 5-CRC, msgs from St. Petersburg
& Minsk to various Polish locations. (ANEU)
9080 NAM: Norfolk VA 1915 FAX 120/576 satellite wx map. (BDS)
9084.8 Unid 1230 ARQ-M2 128.5/100 idle, CCIR-342 (ED)
9098.5 Unid: 1509 FSK 150bd/850 UNID System, sync, cont, ACF=0 (MC)
9102.2 Russian Mil 1108 MS5 12 tone vocoder (3300Hz pilot), tfc (MC)
9102.7 Egyptian, Khartoum 1751 ARQ 5LGs "from boustan khartoum to khargia
cairo". (MC)
9104 Unid: 1806 RTTY 50bd/400 end of a news report (MC)
9108 V5G***: Romanian MFA, Bucharest 2116 164.5bd/400 ROUhFEC, crypto (MC)
9110 NMF: USCG Boston, MA 2200 FAX 120/576 2 part sfc anal signed by
forecaster Lindquist, at 2227 GOES-8 sat pic, 2301 looks like the
NOAA product and not Intellicast but I might be wrong. (LC)
9113 MKD: Royal Air Force, Akrotiri 2110 VFT: 2ch of Piccoloh6, eng ch
g "gep de mdk zub 2115z zui to data cct" (MC)
9113.4 MKD: Royal Air Force, Akrotiri 2109 VFT: 2ch of Piccoloh6, crypto
(MC)
9114 HGG31: MTI Budapest Hungary RTTY 50/425 w/ RY's and ID. (PT)
9126.7 MFA Cairo 1800 ARQ wkg/Bonn til 1900 (ANEE)
9153.9 D4B: Amilcar Air, Cape Verde Is. 2124 RTTY 50bd/850 "ryryry... nnnn
de d4b d4b d4b testing" (MC)
9186.7 Egyptian Embassy, Algiers 1830 ARQ 100bd/170 ATUh80 MSGs "jg kdqikef"
to MFA Cairo (MC)
9192.5 ST: Antananarivo Air MDG 1110 ARQ-E3 48/400 w/AFTN tfc,1120 check
msg to 382 Plaisance MAU (was on 9195) (ML2)
9199 USCG 1832 TT2300b 100bd tfc (MC) 1120 check msg to
9241.7 Egyptian Embassy, Algiers 1737 ARQ 100bd/170 ATUh80 MSGs and SFGs
"from boustan alger" (MC)
9242 INTEL Athens, GRC 1650 ARQ-E 96/190 unusual activity on the eve of the
Greek parliamentary elections, QSX 10951 kHz for BND Liaison
Service, Athens later moved to 8182 kHz. (ANEE)
9288.1 MFA Rome 0330 RS-ARQ 228.7 wk/Embassies Madrid, Lisbon? til 0415
(ANEE)
9294 Unid: 1927 FSK 75bd/200 UNID System, idle on reversals (MC)
9317.6 NRK: USN Keflavik 2059 FAX 120/576 Various charts. Satellite pix at
2200z for USA/Carib/N Atlantic. (DW)
9319 NRK: Keflavik UTC? FAX 120/576 just discernable above noise. My
winter choice for this ute is: (up till 0000z 10865 (1st) 9319 (2nd) after
0000z 8080(1st) 9319(2nd - variable) 3357 (3rd). (LC)
9337.8 MFA Beijing 1815 QAM til 1900 (ANEE)
9338.5 Unid: 1857 RShARQ 240bd 8 tone tfc (MC)
9339.3 British Mil 0641 VFT: 3ch of Piccolo-6, crypto tfc (MC)
9373 MFA Moscow 1800 CROWD-36 40 tfc til 1815 (ANEE)
9380 MFA Paris 0745 FEC-A 192 wkg/Mil attaches Prague, Washington til 1000
(ANEE)
9393.7 Piccolo at 1910 can't decode. (FH)
9946.5 Madrid Spain 0022 Tor-7B 100/140 10 lg's, Spanish embassy traffic to
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San Salvador (ED)

9967.7  LYNX 2200 ARQ w/CW ID w/sitor ready signal, one callbook says Abuja, Nigeria, can be hrd on several freqs, but never w/tfc here to verify location.  (FH)  Day Watson recently reported this to be an internal Nigerian gov’t net, but NOT Nigerian MFA who use FEC-A.  Operates at last count on 5861.7, 7821.7, 9967.7, 10231.7 & 11198.7.  Look for selcals beginning XX... and for routing indicators beginning OR... & place names often as three letter abbreviations eg, abj Abuja, bnn Benin City, jos Jos, & tfc in EE, X marks stop, or offline encryption -LOGS)

10000.5  British Mil 1750 VFT: 2ch of Piccolo-6, idle (MC)
10000.9  British Mil 1749 VFT: 2ch of Piccolo-6, idle (MC)
10026.3  Unid:  Prob Egyptian Embassy 2225 ARQ idling in receive mode.  (RB)
10026.7  Unid:  2110 ARQ also FEC, 2110 onward, overlooked for a long time by most everybody.  (FH)
10031.7  Egyptian MFA, Chile 0046 ARQ some arabic, mostly IRS (ED)
10034.7  Egyptian Embassy, Paris 1847 FEC 100bd/170 ATUh80 “jg ykfsp” after “fmfmfmfm” to MFA Cairo  (MC)
10036.7  MFA Cairo 1645 ARQ wkg/Embassy Nouakchott til 2000 (ANEE)
10061.7  Unid 1816 ARQ Egy diplo atu a mgs.  (Bvr)
10091.6  Unid:  1834 UNID 250bd/170 UNID ARQ System, ACF=15, 75 (MC)
10106  Unid:  1844 FSK 75bd/850 UNID System, sync, cont, ACF=64 lead-in, cryto (MC)
10127.2  Russian MIl 1743 MS5 12 tone vocoder (3300Hz pilot), idle (MC)
10134.6  MFA Oslo 1730 DUP-ARQ-2 250 wkg/western Europe? til 1800 (ANEE)
10145.3  1525 Packet Sig too weak to decode (RM)
10156.7  Chinese Diplo 1955 4+, idle (MC)
10160.9  UNHCR Bosnia 1500 PACTOR-1 200 wkg/geneva, some PACTOR-2 tfc also til 1530 (ANEE)
10161.3  MFA Moscow 1745 CROWD-36 40 wkg/western Europe Embassies til 1815. (ANEE)
10163.5  MFA Moscow 1730 CROWD-36 40 tfc til 1745 (ANEE)
10167.5  Unid:  1914 RTTY 150bd/500 strings of RYS, Ws, Ts, Qs, no ID (MC)
10169  Russian Diplo 1850 CROWD-36 tfc (MC)
10169.5  MFA Moscow 1730 CROWD-36 40 til 1800 (ANEE)
10171.2  Russian MIl 1835 MS5 12 tone vocoder (3300Hz pilot), tfc (MC)
10175  UNHCR Mauritania 1800 ARQ w/internal net tfc til 1830 (ANEE)
10186  Unid:  1851 FSK 100bd/850 UNID System, sync, cont, ACF=0 (MC)
10194  Unid:  1930 FSK 75bd/850 UNID System, sync, cont, ACF=64 lead-in, cryto (MC)
10210  MFA Nairobi 1900 RShARQ 225.2 til 1930 (ANEE)
10213  Rabat Moroco RTTY 50/425 w/ MAP news in French..(PT)
10245  MFA Rome 1740 RShARQ 240.1 not MFA Bonn (ANEE)
10270  DoSc Moskva, RUS 1752 RTTY 40/10bd 32-tones, 5LGs to unloc. station (link-ID not copied).  (ANEU)
10281.3  RPLIG:  FF Cayenne, GUF 2250 ARQ-E3 192/350 w//"diffusion" restricted tfc from GROUPEND Cayenne (Je Groupe de Gendarmerie de Cayenne, a division of military police) on circuit RTI.  (RB)
10287  SOUD Station 1740 RTTY 100bd/500 5LGs to ID "11166 00190 17873 18654 03873" (MC)
10296.5  Unid:  1815 TT2300b 100 MFA Paris or Rome? QRT after tune-in unable to discern which MFA (ANEE)
10314  SNN299:  Polish MFA, Warsaw 0857 POL-ARQ 100bd/250 MSGs from MFA London, MSGs to Paris (paryz) (MC)
10314  SNN299:  Polish MFA, Warsaw 1114 POL-ARQ 100/238 press-items in Polish (PB)
10334.7  MFA Cairo 1121 ARQ selcal "XBVX", unknown Embassy (PB)
10364  RFTJD:  1900 ARQ-E 48 wkg/RFTJDA til 0215 (ANEE)
10381.6  MFA Oslo 1730 DUP-ARQ-2 250 tfc til 1800 (ANEE)
10389  Polish Embassy, Rome 1056 POL-ARQ 100bd/230 5LGs to SNN299 marked "m:ryzm" (MC)
10403.2  Russian MIl 1605 MS5 12 tone vocoder (3300Hz pilot), idle (MC)
10414.2  Russian MIl 1500 MS5 12 tone vocoder (3300Hz pilot), tfc (MC)
10435.4  Unid 1823 ARQ Sp? mgs GC?  (Bvr)
10492  Unid:  1024 81-81 81bd/200 tfc (MC)
10535  RDL:  Russian navy Moscow,RUS 1102 RTTY 50bd RDL RDL RDL +encrypted messages (AB)
10536  CFH:  Halifax 1745 RTTY 75 meteo traffic maritime forecasts, first RTTY intercept.  (BDS)
CFH:  Halifax Met, CAN UTC? FAX 120/576 slow fade after 0000z.  (LC)
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10542.5 Unid: 1100 FSK 150bd/850 UNID System, sync, cont, ACF=0 (MC)
10551.3 GFL23: Bracknell Meteo, G 1059 RTTY 75bd Synops (AB)
10554 MFA Bonn 1745 RS-ARQ 228.5 and 230.5 testing with Madrid til 1800.
          (ANEE)
10555 AXI: Darwin Australia 1000 FAX 120/576 - nmc gasp t791t79 forecast.
          (MS4)
10562.7 NATO Mil 1831 PSK 2400bps UNID System (MC)
10579.6 HMF46: Pyongyang 1030 RTTY 50/455 EE nx, a bit garbled by multipath
          distortion. (FH)
10600 XVN37: VNA News, Hanoi 1423 RTTY 50bd/500 NX in FF abt visit of
          Duke of Gloucester to Hanoi (MC) XVA: VNA 1206 RTTY 50/498 ry's "de
          XVN26/XVN37 Vietnam News Agency 9330/10600 kHz" + news in FF. (PB)
10626 unid 1217 ARQhE 184.59/400 idling, strange baudrate (PB)
10641.7 Chinese Diplo 1745 4+4 tcf (MC)
10643.5 MFA Warsaw 1730 ARQ-E 50 idle, then qrt til 1830 (ANEE)
10650 SOUD station 1220 RTTY 75/500 5Lgs "11177 70004 15100 07485 00479"
          ended w/"cfm qsl 6 tks gb sk sk" (PB)
10672 NATO Mil 1102 PSK 2400bps UNID System (MC)
10686 9DM17: Tehran Meteo 1228 RTTY 50/395 wx synops metar (PB)
10747.5 Mossad 1800 ARQ-E 288 til 1900 (ANEE)
    C37A: Mossad/BND link 1259 ARQ-E 288/340 encrypted tcf (PB)
10788 SNN299: Polish MFA, Warsaw 1752 POL-ARQ 100bd/250 5Lgs to Embassies
          Rabat, Tunis (MC)
10798.3 RFL3: FF Fort de France, Mrt 2335 ARQ-E 192/360 de rfl3 2732347 znr
          uu controle devoie. all 9296 above this. 8888888888 8888888888 (RT2)
10805 DFGZ Serbia 1232 FCA-A 144/400 encrypted after "jxjxjxjxjxjxj" (ED)
10808.4 Unid: 1831 VFT: 3ch of 75bd/80 UNID FSK System, syn, cont, ACF=0,
          ACF=64 lead-in (MC)
10808.6 Unid: 1830 VFT: 3ch of 75bd/80 UNID FSK System, syn, cont, ACF=0,
          ACF=64 lead-in (MC)
10809.4 Unid: 1829 VFT: 3ch of 75bd/80 UNID FSK System, syn, cont, ACF=0,
          ACF=64 lead-in (MC)
10864.6 NAM: USN Cutler 2055 FAX 120/576 Various charts with m/path fading.
          (DW)
10943.9 CFH: Halifax 2100 RTTY 75/1200 "NAWS DE CFH ZKR F1"...etc, formerly
          10945 75/850. (FH)
10963 HBD20: MFA Bern 1330 ARQ 5Lgs to Emb. Tunis, ended at 1336 w/")))
          end of message //9999+7?" (PB)
10967.7 FDX: Paris 2200 ARQ-E 200/400 (FDX) RFF?? Paris to RFFVAT Aconit,
          also at 2340 & 0130. (FH) Unid 1348 ARQ-E 200/361 idling (PB)
    Unid: 2204 ARQ-E 200/400 idling. did get a "zzczc" & "fdz" but the
    rest of the stuff was garbled. (ED)
10969 MFA Berne 0545 ARQ opchat til 0600 (ANEE)
    HBD-20 Berne 1232 ARQ 5lg's (ED)
10970.6 CFH: Halifax 1700 RTTY 75/1200 "NAWS DE CFH ZKR F1"...etc, formerly
          10971 75/850. (FH)
10972.5 MFA Moscow 1715 CROWDH36 40 tfc til 1745 (ANEE)
10976.3 MFA Moscow 1745 CROWDh36 40 wkg/western Europe Embassies til 1815.
          (ANEE)
10978.2 Unid: 1800 ARQ-E 192/360 5Lgs to MFA Hanoi, ended at 1800 til 1900.
          (MC)
10985.7 Unid: 1800 ARQ-E 192/360 5Lgs to MFA Hanoi, ended at 1800 til 1900.
          (MC)
10993.8 MFA Algiers 1800 COQUELET-8 26.7 wkg/consulates in France til 1900.
          (ANEE)
11006.7 Egyptian MFA, Cairo 1911 ARQ ATU-80 MSGs to various embassies (MC)
11013.7 Egyptian Embassy, Tunis 1648 ARQ ATU-80 MSGs to MFA Cairo marked "jg
          yphkg hlgo" (MC)
11022.2 Russian Mil 1736 MS5 12 tone vocoder (3300Hz pilot), tcf (MC)
11042 J5W: Unid FCA-A 192/393 French embassy w/ 5-lg tcf to Paris..(PT)
11043 9MR: MN Johor Baharu MLA 0900 VFT RTTY 50 Bd w/9MR RMMJ MRB RY's SG's
          tape (ML2)
11043.7 J5W: Unid FCA-A 192/393 French embassy w/ 5-lg tcf to Paris..(PT)
11067.4 MFA Moscow 1715 CROWD36 40 tcf til 1745 (ANEE)
11076.3 MFA Moscow 1745 CROWD36 40 wkg/western Europe Embassies til 1815.
          (ANEE)
11085 P6Z***: French MFA, Paris 0906 FCA-100 192bd/400 clg D2Z (FE
          Budapest) (MC)

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12537.5 P3QK6: MV Breeze 1515 ARQ w/tfc for Luxemburg (TD2)
12561.5 UAUN: NIS AKADEMIK IOFFE 0708 RTTY 50/170 crew TGs to UIW. Vsl has an English-speaking crew member (Kirk). ESMD: RTMS KORMORAN 1758 RTTY 50/170 admin to Tallinn via UIW. (HOOD)
12562 ENU: TKH UKRAINA 0730 RTTY 50/170 crew TGs to USOS. UYCE: TR KILDIN 0810 RTTY 50/170 admin from Km Makarenko to UDK2 (ITU c/s now UBDA). LYES: TR SUOMIJOS ILANKA 1737 RTTY 50/170 admin from Km Artemov to UIW. (HOOD)
12562.5 UAMY: BMRT MIKHAIL VERBITSKIY (MBh0012) 0804 RTTY 50/170 BBXX to MURMANSK POGODA via UIW. Vsl is ex USTJ. UFZJ: RTMS AZIMUT 1837 RTTY 50/170 admin to MOSKVA RUSIMPEX from Km Machenko via UIW & using RTMS-0566). (HOOD) UOZL: TSM Kaluga 1840 RTTY 50/170 w/admin Tg's to UIW, Kaliningrad (KLD/UTF) from master "Kpt Deynak", TSM is a Traüler Srednyj Morilzhnyj, or medium freezer trawler. UFJM: RTMA Asteroid 2036 RTTY 50/170 Russian fishing trawler/freezer, Atlantic-class, w/admin msgs re fishing from master KMD Kravets. UYBT: RTMKs Rybak-1 2036 RTTY 50/170 Ukrainian Super stern ramped fishing trawler/freezer w/crew TG tc to Kaliningrad Radio. EOSJ: TR Granitnyy Bereg 2119 RTTY 50/170 Ukrainian 11,746 DWT reefer, w/RYRY/DE to UIW, then QSY's to 8404.5 & sends crew TG's. (RB)
12563 UEExx: TKH DONSKOY 0712 RTTY crew TGs to USU. USOM: TKH DEDOVSK 1205 RTTY 50/170 admin from Km Omelychuk to UAT. (HOOD) VWVY: M/V Marath Majesti 2148 ARQ 76,650 DWT bulk carrier, w/tlx re items needed. (RB)
12563.5 UQII: M/V Histria Sun 1933 ARQ 54,615 DWT bulk carrier, w/ETA Turbo. (RB)
12564 UIIN: BMRT Otrog 2020 RTTY 50/170 RYRY/DE to UIW, & into crew TG's. (RB)
12564.5 UTVT: TKH TARAS SHEVCHENKO 1529 RTTY admin to UIU (ITU call now ELSH4 but still using UVT in RY tape). UOMP: TSM OLUSTVERE 0840 RTTY 50/170 admin from Km Kalinin to UIW. Vsl is ex LYJD. UUPP: RTMS BioskFera 0722 RTTY 50/170 admin from Km Voznesenskiy to SEVASTOPOL SGP ATLANTIKA via URL. UOLQ: BATM PETR SHAFRANOV 0849 RTTY 50/170 msg to Torshavn from Km Krupenich via UIW. They translated "Pet" as "Pyotr" in their English version. (HOOD) UEVP: RTMS Nikolay Afanasev 1858 RTTY 50/170 Russian super fishing trawler/super freezer, w/admin TG's to Kaliningrad Radio from master KMD Martynenko. UVJC: RTMKs Tosno 1919 RTTY 50/170 w/RYRY/DE & w/admin TG's from master, "Captian Koretsky" using hull#1ID RTMKs-0916 (SPB/KBH), vsl bound Balboa Roads, note name for this c/s was listed as "Tofno" in ITU, Tosno used here. UGSP: TR Ussuriyskaya Tayga 1927 RTTY 50/170 11,816 DWT reefer w/RYRY/DE to UIW, then w/20106 msg & crew TG's (VLD/VT). UEVB: BATM Zaostrovie 1957 RTTY 50/170 Russian large autonomous long range/endurance trawler/freezer, w/RYRY/DE to UIW, then w/crew TG's (KLD/UTF). EVBP: TR Yantarnyy Bereg 2028 RTTY 50/170 RYRY/DE to UIW, then w/master KM Guseynov (VLD/MAF). UBRJ: TR Ulbianskiy Zaliv 2115 RTTY 50/170 9,360 DWT Russian reefer/fish carrier, w/RYRY/DE to UIW, then w/admin tfc to Vostoktransflot (VTF). (RB)
12565 UGMS: ST KAPITAN SMELOV 0722 RTTY 50/170 admin to Nvr. Vsl off coast of west Africa. (HOOD) UQYZ: TKH Pavlyodar 1830 RTTY Ukrainian 11,817 dry cargo vsl, w/admin msg from master KM Tavadze. UCSA: RTMS Eysk 2117 RTTY 50/170, Russian super fishing trawler/super freezer, w/crew TG's (RB).
12566 UWOA: BMRT Tsemesskaya Bukhata 1912 RTTY 50/170 Russian long range/endurance large freezedered factory trawler w/RYRY/DE to UGW, then into crew TG's. UUZO: TKH Vega 2038 RTTY 50/170 w/admin TG's to Odessa Radio from master KM Loginov. (RB)
12566.5 UUET: TKH ARKADY GAYDAR 1034 RTTY 50/170 crew TGs to UUI. (HOOD)
12568 UFBE: ADMIRAL KOLYSHKIN (MAh0061) 0712 RTTY 50/170 admin abt cargo 11,817 dry cargo vsl, w/admin msg from master KM Tavadze. UCSA: RTMS Eysk 2117 RTTY 50/170, Russian super fishing trawler/super freezer, w/crew TG's. (RB)
12566.5 UUET: TKH ARKADY GAYDAR 1034 RTTY 50/170 crew TGs to UUI. (HOOD)
12568 UFBE: ADMIRAL KOLYSHKIN (MAh0061) 0712 RTTY 50/170 admin abt cargo for TR FRIO AMERICA from Km Malezhik. UAYV: ALEKSANDR GRYAZNO (MBh0002) 0800 RTTY 50/170 admin from Km Dmitriyev to MURMANSK SBC SEVRYBIA via UDK2. Vsl is ex UTPZ. LYPE: KORALAS (RTMS-7573) 0744 RTTY 50/170 admin and crew TGs to UIW. (HOOD)
12568.5 UAMY: BMRT MIKHAIL VERBITSKIY 0804 RTTY 50/170 BBXX to UDK2. Vsl is ex USTJ. (HOOD)
12569.5 UALX: RTMS VOLNYY HILE 0705 RTTY 50/170 admin to KALININGRAD POISK from Km Alekseenko via UIW. Vsl is ex UVWZ. (HOOD)

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12570 UP RN: KOMM AN D ARM SCH CHER BAKOV (ma-0068) 1100 RTTY 50/170 BBXX and admin from Km Popko to UDK2. (HOOD)
12571 9HXI4: TKH KAP IT AN LUS 0811 ARQ admin from Km Petukhov to UCE. login 72062 9HXI4. Vsl is ex UGPM. UJIQ: TKH IVAN SHADR 0730 ARQ eta to a Finnish pilot station via UCE. Vsl using old c/s, new in ITU is UCMR. UAAP: TKH AKAD EMIK GLUSHKO 0734 ARQ admin from Km Vrotskiy to UCE. UCNE: TKH NIKOLAY EMELYANO V 0803 ARQ admin from Km Silimyanin and BBXX to UCE. UVAK: TKH PIONER ESTONII 1223 ARQ admin from Km Averin to UCE. UZJP: TKH PERM 1534 ARQ crew TGs to UCE (ITU is UCMU). (HOOD)
12572 UCHV: TKH Inzhener Yermoshkin 2015 RTTY 50/170 w/admin TG's to Murmansk using hull#/ID MI-1527, (MRM/KRH), from master KMD Bastrykin. (RB)
12573 UVDD: TKH KAPITAN DZHURASHEVICH 1845 RTTY 50/170 msgs and relaying for ELSL3: TKH KAPITAN TRUBKIN to UUI. (HOOD)
12573.5 LYLB: SRTM STERKAS 1551 RTTY 50/170 admin from Km Smirnov to UIW. UAES: SRTM BILIBIZA 0644 RTTY 50/170 admin from Km Berliner to UIW. (HOOD) UOZO: RTMKS Porechye 1920 RTTY 50/170 w/crew TG's to Khgrad. (RB)
12574 UVHA: VASILIY LOZOVSKIY (MAh1823) 1014 RTTY 50/170 admin from Km Vakulenko to UDK2. (HOOD) UPRR: BATM Petr Sbignev 1914 RTTY 50/170 Russian large autonomous long range/endurance trawler, freezer w/admin msgs to BVC Sevryba using hull#/ID MA-0055 from KMD Turbanov. UBLA: RTMKS Aleksandr Mironenko 2052 RTTY 50/170 w/RYRY/DE to UDK-2, then w/crew TG's to Murmansk Radio (MRM/KRH) using hull#/ID MA-1808. UDRM: RTMKS Admiral Starkov 2055 RTTY 50/170 Russian stern ramped super fishing trawler/super freezer, w/admin TG to Murmansk using hull#/ID MA-1812 (MRM/MRH) from master, KMD Silkov, then into crew TG's. UFFA: BATM Aleksey Generalov 2111 RTTY 50/170 Russian long range/endurance large autonomous trawler, w/RYRY/DE to UDK-2, Murmansk Radio, then w/admin TG's from master "Kpt" Karapuzov, using hull#/ID MA-0062. J8LU6: TKH Vitaliy Federov 2220 RTTY 50/170 w/admin tfc from master, Kapitan Fedorov, listed as a trawler owner by Hafest Marine LTD. (RB)
12575 UYRK: TKH Viktor Talaliykhin 2017 RTTY 50/170 w/STSMRU Disp-1 report to Mariupol Radio from master, KM Oganesyan. (RB)
12576.5 ENOQ: UPS PROFESSOR MINAYEV 0744 RTTY 50/170 admin from Km Gotovkin to UUI. (DOOD)
12579.5 9VG: Singapore Radio 1529 ARQ w/command codes for new user (TD2)
12580.5 KFS: 1313 ARQ w/CW mkr (Szczecin Radio Poland h LOGS) (SZ)
12581.5 FFT: 1100 ARQ ready signal w/CW ID. (FH)
12582.5 CBV: Valparaiso Radio 2110 ARQ Marker "CBV" and tuning burst. Accepting tfc from unid ship. (DW)
12583.5 UAT: 1300 ARQ with tfc list. (HOOD)
12587.5 SPB: TALLINN RADIO 1530 FEC tlx to ESAQ: PAKRI. (HOOD)
12592.5 SBP: 1313 ARQ w/CW mkr (Szczecin Radio Poland - LOGS) (SZ)
12602.5 UAT: MOSCOW RADIO 1400 ARQ with tfc list. (HOOD)
12607.5 UAT: MOSCOW Radio Russia UTC? ARQ w/CW ID marker. (PT)
12625.5 UCE: ARKHANGELSK Radio 0652 ARQ to URYL: TKH PALANGA. (ITU call now UCPM but was using URYL). Same at 1925 ARQ to UBFX: TKH INZHEINER PLAVINSKIY. (HOOD)
12627.5 USU: MARIUPOL RADIO 1236 ARQ crew TG to USBT: KOMSOOMLETS ARMENII. Same at 1925 ARQ crew TGs to UZLR: TKH ZAKARPATYVE. (HOOD)
12628.5 FFX: St Lys 1100 ARQ ready signal w/CW ID. (FH)
12648 WCC: Chatham 1930 ARQ ready signal w/CW ID, maybe second harmonic? (FH)
12652 SAB: Goeteborg radio 1639 FEC global wireless mgs and tfc lst. (BvR)
12674 Buenos Aires Met ? 2126 FAX 120/576 Started on time but signal vri poor and qrm fm CLA33/Havana. End of pix (2140z) goes into repeat scan pattern. Next chart 2148z.offair 2207z. (DW)
12691.5 FUX: French Navy Le Port REU 1450 RTTY 75/850 w/RYS (TD2)
listed in callbooks. (FH)

12834.5 AFS: Offutt AFB, NE 1635 RTTY 75/850 KAWN meteo. (AB2)

12835 Navy Madrid, E 0831 RTTY 75bd Encrypted msgs (AB)

12835.5 Unid: 1029 RTTY 100 scramble. (BvR)

12857 UIW: KALININGRAD RADIO 1554 RTTY 50/170 crew TGs to UATX: BATM KAPITAN SUKHONDYAY EVSKIY. (HOOD)

12932.5 Navy Madrid, E 0831 RTTY 75 bd Encrypted msgs (AB)

12932.5 Unid: 1029 RTTY 100 scramble. (BvR)

12947 UIW: Kaliningrad Radio 1735 RTTY 50 tlx tfc. (BvR)

12965 UIW: Kaliningrad Radio 1735 RTTY 50 tlx tfc. (BvR)

13006.7 Unid: 1727 ARQ atu A msgs Egy diplo? (BvR)

13031.2 FUF: Fort De France 1328 RTTY 75/400 de fuf/sgs/0h10 (RT2)

13054 UIW: Kaliningrad Radio 1735 RTTY 50 tlx tfc. (BvR)

13134.6 Cairo(?) 1446 ARQ locked space tone, Arabic (atu80) (ED)

13356.7 MFA Cairo 1545 ARQ w/MOI circs til 1600 (ANEE)

13375.6 MFA Cairo 1545 ARQ w/MOI circs til 1600 (ANEE)

13379.7 MFA Bonn 0830 TWINPLEX 100 this ckt normally 1800h1900 (ANEE)

13385.7 MFA Oslo 0830 TWINPLEX 100 this ckt normally 1800h1900 (ANEE)

13395.3 CLPl: Havana 1435 RTTY 75/1035 SS msg to CLP65 Nicaragua (a diatribe against U.S. law regarding trade w/Cuba) to 1508. (FH)

13401.8 Egyptian MFA, Cairo 0748 ARQ Clg selcal "TVXX" (Embassy Sanaa) QSX 16161kHz (MC)

13418 Unid 2009 ARQ-E 72/400 Idle (ED)

13425.6 Bruxelles 1254 COQUELET 8 tone FF. msg. to Algiers, Algiers heard also (ED)

13437.5 MFA Moscow 0830 CROWD 36-40 wkg/embassy lisbon? til 0900 (ANEE)

13438.6 PIAAB Boff 0910 FEC-A 96/373 government press-items in GG. //18704.2 kHz at the moment// (PB)

13443 Unid: 0752 FSK 200bd/500 UNID System, sync, cont, ACF=0 (MC)

13452 Unid: 1447 FSK 75bd/850 UNID System, tfc (MC)

13457.9 OZU25: Danish MFA, Copenhagen 0953 TWINPLEX-1w 100bd/400 crypto (MC)

13460 SOUD Station 1543 RTTY 75bd/500 5LGs on link ID "11177 00030 22863 22483 05109" (MC)

13474.2 MFA Oslo 0830 TWINPLEX 100 qrt (ANEE)

13474.7 GYU: Gibraltar 1832 RTTY 75/850 foxes. (FH) GYU: Royal Navy, Gibraltar 0835 RTTY 75bd/850 "de gyu de gyu test test test the quick brown fox."

13480 Unid: 0752 FSK 200bd/500 UNID System, sync, cont, ACF=0 (MC)

13486.7 MFA Cairo 0830 ARQ wkg/Embassy Boff til 0930 (ANEE)

13486.9 MFA Copenhagen 1148 TWINPLEX 100 -400/-200/200/400/ F7b-1. Tfc in Danish, fading. End qso 1155. New selcal TPIC (Harare) then TPOS (unid) then TPOQ (Tehran) with tfc. TPEP (unid). On line encrypted tfc. (DW)

13492.2 MFA Oslo 0830 TWINPLEX 100 qrt (ANEE)

13506.7 Egyptian Emb ? LOC 1253-1305 arq TfC in offline encryption (5LG's) then opr chat. (DW)

13506.8 ATSTIL 1400 PACKET EE msg from S. Korea to AA6USA. (FH) (Army MARS -LOGS)

13510 CFH: CF Halifax 1308 FAX 120/576 Ice chart. (DW)

13510.6 MFA Boff 0830 RS-ARQ 228.7 western Europe til 0930 (ANEE)

13524.9 Unid: 0600 FSK 200.1/460 sub/ship broadcast? til 0630 (ANEE)

13571 Unid: 0920 FSK 200bd/500 UNID System, sync, cont, ACF=0 (MC)

Pagina 903
13534  Russian Mil 1127 MS5 12 tone vocoder (3300Hz pilot), tfc (on LSB). (MC)
13538  ZRO: Pretoria Meteo, RSA 1000 fax 120/576-FAPR ASZA chart. (MS4)
13541  MARS NET (NN0MDM) 1323 ARQ Calls and idling in betas. Then offair. (DW)
13542  ZRO: Pretoria- RSA 1335 RTTY 75/425 -met (MS4)
13550.2 VSG: MFA Bucharest 0914 ROU-FEC 164/398 encrypted tfc (PB)
13557.9 MFA Oslo 0845 TWINPLEX 100 Unid loc prob enciphered bit stream til 0930 (ANEE)
13558  Unid: 0943 RS-ARQ 240.1bd 8 tone tfc (MC)
13567.1 A9C: Emb. Bucharest 0931 FEC-A 192/414 5Lgs to RFW Paris (PB)
13570.9 PIAB Bonn 0828 FEC-A 96/365 government press-items in GG. /18704.2
13572.5 RFFX: 1630 ARQ-E 184.6 w/tfc to RFFXQA til 1700 (ANEE)
13580   MKK: RAF London ? 1337 VFT PICC Three channel piccolo vft on usb. (DW)
13585.9 Russian Mil/Far East 1630 CISh11/14/27 50.1 tfc til 1700 (ANEE)
13589   HM36: KCNA News, Pyongyang 0838 RTTY 50bd/400 NX in EE about
13593.7 Provence 1048 ARQ-E3 192/400 (LFA) to having synch trouble to Dakar. (FW)
13594.5 Unid: (to 13596.4) 1800 VF 50/170 channels encrypted, whoizit?. (FH)
13597.7.2 Unid: (to 13596.4) 1800 VF 50/170 channels encrypted, whoizit?. (FH)
13608  Unid: 1106 FSK 200bd/500 UNID System, sync, cont, ACF=0 (MC)
13624.5 GYU Gibraltar 1404 PIICCOLO Mk-6 Sending "tgest tape", ry's "int zbz", in 2ch.FDM, mis-spelling is theirs (ED)
13683  'YFC': UNID w/link to Moskva 1330 ASCII 50Bd & 110Bd,IRAhARQ 300.6 Bd/500Hz 14417 KHz. (ANEU)
13689   GXQ: RN London 1416 VFT DCN 8 channel interleaved vft on USB. (DW)
13694.5 RFFX: FF Naqoura 1721 ARQ-E 72 idle, no id. (BVR)
13695   MFA Moscow 1630 CROWDh36 40 tfc til 1700 (ANEE)
13696  Unid: French Diplo 0837 ARQ6-90 200bd/400 in IRS mode (constant carrier btw bursts) (MC)
13702.7 RFFVAE: FF Dhahrain 1516 ARQ-E3 200/400 8rc. Betas. Weak sync. Tfc in
13714   Geneva/Bogota 1900 PACTORhI 200/200 ICRC traffic to and from Bogata, EE sp., and ff. (ED)
13728.7 RFFVAE: FF Dhahrain 1516 ARQ-E3 200/400 8rc. Betas. Weak sync. Tfc in
13736.5 Unid: JGR 1554 FEC "de JGR qsl les deax parties qsl int qru kkkk. pse qsy f1 qsy f1 kkkk." (everything multiple repeats per MFA Tunis also 3 character call, use of French, mode, f1 reference to frequency). (DW)
13745.6 Lima or Brasilia? 0254 ARQ-E 96/150 GG & encrypt to Bonn, MFA (ED)
13754  P6Z: MFA Paris, F 2045 FEC-A 192/400 app encrypted. (RB)
13954  HBD20: Swiss Embassy, Berne 2020 ARQ w/5LG msgs for Havana. (RB)
13954.5 HBD20: Swiss Embassy, Berne 1540 ARQ w/5LG msgs for Havana/Ottawa. (RB)
13963.6 RC1KHA***: ICRC, Khartoum 1445 PACTOR-I 200bd/200 MSGs in EE to HB8GVA, Geneva. RC1LOK***: ICRC, Lokichokio 1443 PACTOR-I 200bd/200 MSGs for supplies to HB8GVA, Geneva. RC1NAI***: ICRC, Nairobi 1443 PACTOR-I 200bd/200 MSGs to HB8GVA, Geneva (MC)
13964  Unid: 0645 FEChS 100 probably Lisbon/Madrid til 0715 (ANEE)
13965   CLP/CLP65 Havanna?/Nicaragua? 2010 300 Packet, ops discussing using pcpakrat software, CLP sends 5lg's, makes schedule for 13395 for tomorrow. (ED)
13965.5 Berneda (HBD20?) 1345 ARQ 5L msg to Ottawa, off 1418. (FH)
13971.5 CLP65: Cuban Emb, Managua, NCG 1945 PACKET 300 bd w/std packet beacon "CLP65", then some SS op chat. Interesting mode! (RB)
13977   HBD20: Swiss Embassy, Berne 1455 ARQ w/5LG msgs for Havana, other embassies to 1728! On another day also at 1455. (RB)
13984.1 'GVA' Geneva, Rome 1240 ARQ Telex from "worldfoodhRome" (ED)
13998.9 Unid: 1548 Piccoloh12, crypto (MC)
14006  Unid. 1440 74.8/250 enc (RM)
14348.5 MFA Moscow 1615 CROWD-36 40 tcf til 1645 (ANEE)
14366   'DOR': MFA Sofia, BUL, 09:59, IRA-ARQ-800bd/500 encrypted messages to Bruxelles. (ANEU)
14367   BZP54: Beijing RTTY 75/379 Xinhua Agency w/news in EE. (MC)
14388   DOR: Bulgarian MFA, Sofia 1845 RTTY 75/425 w/nx items in Bulgarian. (RB)
14390.5 C37A***: Israeli Intel, Jerusalem 1017 ARQ-E 288bd/320 crypto seq. "cneuouget" (MC)
14393.5 Unid: 1548 Piccolo-12, crypto (MC)
14402   Unid: Russian Diplo 1017 CROWD-36, tcf (MC)
14403.4 UNO Asia 0745 PACTOR 200 weak til 0830 (ANEE)
14405  UNHCR Monrovia, Liberia 1730 PACTOR 200 wkg/UNHCR Lyon (PACTOR-1 and PACTOR-2) til 1800 (ANEE) UNHCR 1028 ARQ MSG in FF (very weak) (MC)
14411  Unid: 1445 RTTY 50bd tcf til 1715 (ANEE)
14411   Russian Navy 0703 36-50 50bd/200 36-50, tcf (MC)
14412.6 Unid: 2308 FEC-A 96/85 5lg's, bt & gr??? at end.,like other circuits. (ED)
14417   'COY851': DOSC Moskva, RUS 1339 ASCII 50bd/110bd & IRA-ARQ 300.6bd/500Hz, QSX station 'YFC' on 13838 khz, transmitting 5Fg file 00040.TLG on link <00103>. Seems to be a Saturday sked only! (ANEU)
14427.5 BZ???: Xinhua News, Beijing 0910 RTTY 75bd/400 News in EE (MC)
14441   MKK: RAF London (G) 0045 RTTY/VFT 50/170 RYImkr, also RYI on 14445.8 (ANL)
14451.7 MFA Cairo 1530 ARQ/Embassy Rome w/msg to Embassy officials. (ANEE)
14466.8 Unid: (new) 1750 RTTY 75/482 5L msg in progress at tune-in, end at 1753 "QRU SK", still idling at 1800, try about 1745 weekdays. (FH)
14473   Unid: 1030 FSK 200bd/500 UNID System, sync, cont, ACF=0 (MC)
14486  P6Z: Paris 1400 FEC-A 192/390 RY's to "SRZ DE P6Z". (FH)
14492 French diplo 0920 ARQ6-90 200bd/400 idle in IRS mode (MC)
14498   CSY: Santa Maria Azores RTTY 50/689 w/ wx for Portuguese airfields. (PT) CSY: Santa Maria Air, AZR 2151 RTTY 50/850 w/AAXX wx data on circuit MCA. (RB)
14525   Unid 1649 ARQ-6/90 200/400 5lg's, group count, nnnn, few op msg. no ID (ED)
14532 DOSC Moskva, RUS, 15:00, RTTY 75/500, 5 LGS to UDZ 21 on link <20054> (ANEU)
14533 French Diplo? 1321 ARQ6-90 200bd/400 idle in IRS mode (MC)
14550   MKD: RAF Akrotiri, Cyprus 1937 CRATT 75bd/850 NATO CRATT, crypto (MC)
14553   'W5E': AMBAFRANCE Tel Aviv, ISR 1454 FEC-A-192/400, 5LGS to 'P6Z'. (ANEU)
14560.3 JYF2: JNA-PETRA press Amman 1045 RTTY 50/400 nx in Arabic (PB)
14573 5AQ70: JANA News, Tripoli 1636 RTTY 50bd/400 NX in Arabic (MC)
14581 Unid: 1309 FSK 126bd/250 UNID System, idle, ACF=7 (MC)
14585.7 RFTP A VVFFAD N'Djamena 1810 ARQ-E3 200/400 now, use to be M2 200/400, w/ current rate of demise M2 200/400 will expire as a baud & mode in 1997. (FH)
14595.7 RFTJ FF Dakar, Sen 1537 ARQ-E3 192/372 00 rfli de rfli de rfli 270 1557 znr uuu controle de voie nnnn. rtj or rfli?? (RT2) (this is RFTJ c/j TJI, rfj to rfli - LOGS)
14600.2 Unid: 1500 ARQ very weak poss MFA Cairo? (ANE)E
14626 CZM: Maritime Air Group, Halifax, NS, CAN 1607 Fax 120/576 w/wx chart. QRT 1617. Miserable QRM from RFLI's strong ARQ-E3 xmsn on 14626.7. This sta. is rarely heard. was logged Aug. 9. Last logging by me prior to this was Aug. 22, 1995.
14655.1 Unid: 0000 FSK 36bd xm followed by cw, then arg 100 (14654.5 tfc: gryfr pl qr v grv qsl 1 qtc), then usb polish (y!) on 14656 - evidently polish mil vessel wkg warsaw radio. (ANE)
14657 Russian Diplo 0758 CROWD-36, tcf (MC)
14664 Unid: 1500 RTTY 50bd tcf til 1530 (ANE)
14693 Russian Navy 0824 36h50 50bd/250 tcf (MC)
14694.7 MFA Helsinki, FNL, 1111 F1Bh301Bd/770 Packet-like system. (ANE)
14699 VAX 7 Baghdad 1226 RTTY 50/400 arabic press (ED)
14732.7 Spanish Navy, Granada 1358 VFT: 2ch of 100bd/170 ALE System (MC)
14737.2 Russian Mil 1132 MS5 12 tone vocoder (3300Hz pilot), tcf (MC)
14751.7 Unid 0846 ARQ-E 96/406 idling, not seen before on this freq. (PB)
14756 Unid: 0827 81/40.5bd/500 tcf (MC)
14774.7 DOR: MFA Sofia 0903 RTTY 75/504 nx in Bulgarian. (PB)
14778.6 Unid 2302 ARQ atu arabic, locked space tone, prob. Cairo (AR)
14801.2 Russian Mil 0913 MS5 12 tone vocoder (3300Hz pilot) (MC)
14844 Russian Navy 1405 36-50 50bd/250 tcf (MC)
14846.8 Chinese Diplo 1036 44, idle (MC)
14853 Unid: 1938 81/81 81bd/250 tcf (MC)
14855.3 DOR: MFA Sofia, Bulgaria 0900 RTTY 150/500 press items in EE. (JD2)
14865.1 unid 0918 probably Russian Crowdfunding system (PB)
14867.7 MFA Cairo 1600 ARQ wkg/Embassy Kuala Lumpur (ANE)
14875.5 British Mil 1940 VFT: 2ch of Piccolo-6, eng. ch repeated "the quick brown fox...." (MC)
14875.9 British Mil 1941 VFT: 2ch of Piccolo-6, crypto tcf (MC)
14912 DFZG: MFA Belgrade, YUG 1413 RTTY 75bd Nx. (AB)
14926.7 RFTJ: Dakar Sen 1910 ARQ-E3 192/425 FF presumed idle (RT2)
14940.5 British Mil 1944 Piccolo-12, crypto (MC)
14941 Unid: 1850 RTTY 75/520 5 ltr grps (RT2)
14959 7 RFTJ: Dakar Sen 1822 ARQ-E3 192/431 FF Presumed idle (RT2)
14966.7 MFA Cairo 1515 ARQ w/Moscow tcf til 1545 (ANE)
14970.3 SAM: Swedish MFA, Stockholm 1053 SWED-AEQ 100bd/400 MSGs and 5LGs to Embassy Damascus (MC)
14970.3 SAM48: Swedish Embassy, Damascus 1051 SWED-AEQ 100bd/400 MSGs and 5LGs to MFA Stockholm. (MC)
15021 RFFX: Paris France 1755 RTTY 75/871 Presumed no listing (RT2)
15229 PCWL: MFA Den Haag 1843 F7B4 100 5DF's to Tripoly. (BR)
15729 PCWL: MFA Rome? 1830 RS-ARQ 228.5 w/tcf til 1845 (ANE)
15732 Russian Mil 1428 MS5 12 tone vocoder (3300Hz pilot), tcf (MC)
15768.1 Unid: 1730 Mode? 50/187 UNID, CANNOT DECODE. (RH2)
15821.9 SAM: MFA Stockholm, S 1405 SWED-AEQ 100bd Messages (AB)
15822.4 SAM: MFA Stockholm 1145 SWED-AEQ 100/297 22-CRC asking for Internetadress (PB)
15833  V5G**: Romanian MFA, Bucharest 1501 ROU-FEC 164.5bd/400 (Bitmask=24) Diplomatic circulars in RR (MC)

15835  UNID: 1330 UTC ARQ6-90 200/375 Got in at end of long 5LG message which ended with 2CGZ. Idling after that. (ES)

15838  V5G: MFA Bucharest, ROU 1420 ROU-FEC 164.5/400 w/circular ('circulara') ttc, my 1st ROU-FEC snag! (RB)

15854.9 MFA Bonn 1700 ARQ-E 96bd ttc til 1730 (ANEE)

15854.9 UNID: 1330 UTC ARQ6h90 200/375 Got in at end of long 5LG message which ended with ZCZC. Idling after that. (ES) (Ed Deasy reported this is Bonn sending ttc to Athens -LOGS)

15835.8 Unid: 0857 Mode?? UNID, SOUNDS LIKE ARQ BUT ISN'T ! PACTOR ? (RH2)

15857.6 MFA Rome/Ankara 1445 RShARQ 228.5 w/ttc til 1530 (ANEE)

15861.8 unid 1151 ARQhE 96/383 idling [not seen before on this freq.] (PB)

RFFXI: FF BANGUI 1725 ARQhE 96/390 IDLING. (RH2)

15898.2 RFGW: MFA PARIS 0716 FEC-A 192/392 1034 x 5LG's! PITY THE DECODER! (RH2)

15918.8 CFH: Halifax 1320 RTTY 75/1300! "NAWS DE CFH", usually 15920 75/850. (FH)

15929.5 Brazil Station "DE ERMSAL PARA ERMBRA NR 46 ZYD13 ROTINA" (exercise in PP) "EXERCICII RIPT" 1330 RTTY 75/850 guess this is ZYD13, ZYD11 on 1400.0 w/similar msg monitored here last month. (FH)

15942 OMZ: MFA Bratislava,SVK 0950 RTTY 100bd News (AB)

15946 MFA Bratislava 1154 RTTY 100/436 nxhitems (PB)

15956.7 MFA Khartoum 1445 PACKET 300 wkg/2 unid African embassies til 1545. (ANEE)

15961.7 RFLI: FF Fort de France 1741 ARQhE 192 idle, no id. (BvR)

RFLI: French Forces, Fort de France, Martinique 1618 ARQhE 192/425 W/Non Protege ttc from RFFKHMN to Burlifam, Brest, on C.I. BFL. (RB)

15965 Unid: 1545 ARQhE 100bd testing? til 1630 (ANEE)

PARIS, DE PARIS 8804 1610 ARQhE3 192/384 "DE PARIS 8804" ON IAH cid. RFFXI: FF COMELEF BANGUI 1511 ARQhE3 200/395 6 PAGES OF 5LG's. (RH2)

RFFXIA: FF AIRGROUP BANGUI 0935 ARQhE3 192/374 625 x 5LG's TO RFTJD LIBREVILLE. RFFAAS: GUERRE DIRMAT PARIS 1545 ARQhE3 192/384 TFC/FF TO AIG1955 & MANY OTHERS RE DUD GRENADES! RFFAK: DISTRANSIT PARIS VINCENNES 1650 ARQhE3 192/384 TFC/FF TO RFFAAV ECOAPLISANTE GRACE PARIS. RFFXIA: FF AIRGROUP BANGUI 0935 ARQhE3 192/374 625 x 5LG's TO RFTJD FF LIBREVILLE. (RH2)

16035 KYODO 0913 FAX 120/576 NEWSPAPER IN JJ. (RH2)

16041.7 AA3USA: Army MARS 1500 PACKET 300 wkg/AA6USA til 1600 (ANEE)

16045.3 Unid: 1627 Mode? 100/856 UNID, UNABLE DECODE. (RH2)

16059.2 Russian Mil 1119 MS5 12 tone vocoder (3300Hz pilot), ttc (MC)

16060 V5G: Bucharest 1420 ROU-FEC w/nx bulletins in Roumanian (I think) When I listened this morning 15833 was on running ROU-FEC but not in parallel. Both signals were so powerful that makes me wonder if the transmissions are really from Bucharest or possibly Washington? (ES)

16072 Unid 1545 ARQ-E 100bd testing? til 1630 (ANEE)

16077.9 PARIS, DE PARIS 8804 1610 ARQ-E 192/384 "DE PARIS 8804" ON IAH cid. RFFXI: FF COMELEF BANGUI 1705 ARQ-E 192/384 TFC/FF TO RFFUJA/J CENTOMFAP VILLACOUBLAY. RFFTB: FAF VILLACOUBLAY 1658 ARQ-E 192/384 5LG's TO RFTJD LIBREVILLE. RFFFAAS: GUERRE DIRMAT PARIS 1545 ARQ-E 192/384 TFC/FF TO AIG1955 & MANY OTHERS RE DUD GRENADES! RFFAK: DISTRANSIT PARIS VINCENNES 1650 ARQ-E 192/384 TFC/FF TO RFFAAV ECCOAPLISANTE GRACE PARIS. RFFXIA: FF AIRGROUP BANGUI 0935 ARQ-E 192/374 625 x 5LG's TO RFTJD FF LIBREVILLE. (RH2)

16087.9 RFLI: FF LE PORT 1005 ARQ-E 192/384 "Cdev" ON REI cid. RFVIPP: MXAIR MOYENOPS ST DENIS 1000 ARQ-E 192/384 TFC/FF TO REGIONAIR AIX. (RH2)

16091.7 MFA Cairo 1700 ARQ wkg/Embassy Washington til 1745 (ANEE)

16106.8 SAM: Stockholm 1325 SWD-ARQ SWD msg to Ambaddaden Baden, Santa Fe de Bogota, Col, off 1328, back on 1330 w/msg to Ambassador in Guatemala. (FH)

16106.9 SAM: MFA Stockholm 1443 SWD-ARQ 100 swe mgs. (BvR)

16111 MFA Berne 0730 ARQ ack ckt beamed eastward (ANEE)

16122.7 Unid 1622 Mode? 50/816 UNID, UNABLE DECODE, NIL IN WUNLOGS, OFTEN HEARD. (RH2)

16125.4 RFQPT: FAF MILFRANCE JBOUTI 1511 ARQ-M2 200/395 6 PAGES OF 5LG's. (RH2)
16136.5 XINHUA Beijing 1320 RTTY 75/425 w/EE nx (TD2)
16149.6 Unid: 0710 PICCOLO (RH2)
16150.6 CLP1: Havana (or Cuban Emb elsewhere?) 1414 RTTY 50/500 at tune-in "Eso es todo" & off. (FH)
16155.5 Piccolo at 1300 can't decode, reported as Moscow MFA. (FH)
16184.5 CLP18, Cuban Emb., Baghdad, IRQ 1630 CW + RTTY 75/500 vvv's + id in CW fol'd at 1632 in RTTY w ryry & "felix iaz voy a bajarte whisky pagame en checque 1234567890 (CLP18)" then msgs/SS & crypto after zzzzz (RM)
16213 MFA Paris 1715 ARQ6-90 200bd wkg/Embassy Dakar? w/ lots of 51 gps til 1745 (ANEE) Dakar 1131 ARQ-6/90 200/400 5lg's; svc dipl, MFA France. (ED)
16227.7 Unid (still) 1310 ARQ-96/400 idling for several months, once sending rows of dots, guess GG Emb or Bonn running test. (FH)
16228 YBU Havana? 1400 RTTY 75/480 RY's at 1400 weekdays, QRU & off or 5LG's some days & off around 1417. (FH)
16232 w3S: French Emb Islamabad PAK 1150 FEC-A 192/850 w/5LGs (ML2)
16238 G7M: FRENCH Emb Bangkok THA 0920 FEC-A 192/850 clg P6Z Paris, 0930 5LG's (ML2)
16242 G7M: French Emb Bangkok THA 1040 FEC-A 144/850 w/5LG's; TJN: French Emb Beijing CHN 0840 FEC-A 192/850 w/5LG's (ML2)
16244.9 Unid: 1100 RTTY 75/850 w/VXX VXX VXX then RY's, "QRU SK". (FH)
16245 French Emb Bangkok THA 0930 FEC-A 192/850 clg P6Z, msg FF, 5LG's (SOUD/Brotherhood station - LOGS)
16251.8 Unid: 1017 ARQ ?? UNID. STRANGE CHIRPING NOISE? (RH2)
16266.7 ASP32: Pakistani MFA, Islamabad 1543 TWINPLEX-1w 100bd/140 NX in EE to all embassies marked "foreign ibd" (MC)
16270 OMZ: MFA Prague 1450 RTTY 75 encrypted msgs. (Bvr)
16290.5 CLP1: Havana 1097 RTTY 50/1000 circular 1097 in EE designed for U.S. consumption, dated 2 days earlier so probably a rerun. (FH)
16305.2 Unid 1026 RTTY 75/516 UNID, 5LG's w/EE WORDS AT END. USN DIEGO GARCIA? (RH2)
16313 CLP1: MFA, Havana, Cuba 1559 RTTY 50/400 w/minrex nx, RYRY & ID, then w/circulars. (RB)
16315.2 Unid 0705 Mode?? 70/499 UNID. (RH2)
16321.7 Unid: 1115 ARQ ends "bybyby" (MC)
16326 Romanian Embassy 1106 ROU-FEC 218.3bd/400 MSGs in Romanian (MC)
16335 ST Dennis Meteor REU 0910 FAX 120/576 w/ wx charts (TD2)
16340 MFA Bucharest 1007 ROU-FEC 218.26/396 encrypted tfc (PB)
16342 Russian Diplo 1122 CROWD-36, selcal mode (MC)
16347.8 Unid 1440 FEC "TO ONOMA" at 1445 to USB fone. (FH)
16349.2 Unid 1500 ARQ Greek? to 1517. (FH)
16351.7 To or From CLP-12 Lima 1338 RTTY 75/500 5L code msg same as 16351.9 then "ESO ES TODO" & off 1345. (FH)
16351.8 chinese Diplo 1240 444. idle (MC) 16351.9 To or From CLP-12 Lima 1320 RTTY 75/500 5L code msg. (FH)
16355 Unid: 1813 RTTY 50 Embacuba bissau? 5fqs. (BvR)
CLP1: Havana 1430 RTTY 50b 5Fg's, Op in SS at end of trans says.. only 7 liters gas left in generator, he is asking for a more efficient transmitter to get more air time. (ED)
16386.7 Pakistani Embassy, Delhi 1501 TWINPLEX-1w 100bd/140 MSGs in EE to Islamabad ends "parep newdelhi". Pakistani Embassy, Tripoli 1058 ARQ Opchat to MFA Islamabad. Pakistan Embassy, Lagos 1459 TWINPLEX-1w 100bd/140 MSGs in EE to MFA Islamabad. Pakistan Embassy, London 1500 TWINPLEX-1w 100bd/140 MSGs in EE to MFA Islamabad. Pakistan Embassy, Brussels 1458 TWINPLEX-1w 100bd/140 MSGs in EE to MFA Islamabad. Pakistan Embassy, Paris 1502 TWINPLEX-1w 100bd/140 MSGs in EE to Islamabad ends "parep paris". ASP32: Pakistani MFA, Islamabad 1057 ARQ MSGs and long opchat in EE to Embassy Tripoli (MC)
16460 French Diplo 1315 ARQ6-90 200bd/400 idle in IRS mode (MC)
16501.7 Egyptian MFA, Cairo 1456 ARQ in IRS mode (MC)
16601.7 Unid 1345 ARQ strong, mostly receiving. (FH)
16662.4 Piccolo at 1355 can't decode. (FH)
16683.5 YLGN: Atmoda 0147 ARQ admin/payroll tlx to RTF Bedina, QSY 16699.5 at 0215, selcall 60684. (AB2)
16885.5 3EIK8: M/V Atlantic Star 1945 ARQ w/tlx re status of cargo loading, is 10,601 DWT reefer w/login 42715 ASTR. (RB)

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16687.5 3FDP: M/N Presidente Frei 1539 ARQ 14,436 DWT dry cargo vsl, w/tlx using name abbreviation "DTE FRE" re vsl bound Puerto Cabello, Ven, login 42972 3FDP. (RB)
16689 HBDL: MV Grischuna 0830 ARQ w/AMVER logoff 51234 HBDL (TD2)
16690.5 MWNTS: Ametist 1636 ARQ req Panama Canal transit from Panama Canal Commission, bound Willemsted from Pusan, login 232002682. (AB2)
16693.5 C6OD4: Houston 1822 ARQ posn report 25.48N/90.45W, selcall 70142. (AB2) ELFO3: Mv Rhine Forest 24851 1208 ARQ tlx tfc. (BvR)
16696.5 9HYN3: Chance 1943 ARQ AMVER/PR msg to AMVER NYC & ETA Sabine Pass pilots. (AB2)
16701 GQEX: MV Forthbank 1415 ARQ enrt Mumbai-Mombasa w/ETA (TD2)
16705 C6SB: MV Irish Sea 70055 1227 ARQ amver via wlo. (BvR) C6LU3: Mv Albe 27614 1234 ARQ sc xvsv, obs co/ch wlo. (BvR)
16708.5 UYAF: Odesskiy Komsomolets 1802 ARQ outbound Maracaibo averaging 10 kts. (AB2) 9HRP3: CHEMICAL EXPORTER 1015 ARQ msg to Goteborg w/eta for Ashdod login 13679 CHEXPORTR. (HOOD)
16711.5 V2QG: MV Tagama 1340 ARQ w/ETA Douala logoff 26640 V2QG. (TD2)
16713.5 C4OU: Sea Muse 2021 ARQ status report. (AB2) 3FZS3: MV Frio Antarctic 0807 ARQ w/tech report logoff 42450 FANT. (TD2)
16770 C4ZB: MV Coryton 1410 ARQ w/pay tfc logoff 29636 (TD2)
16777 UNID: 1150 FEC TFC/EE ENDING "NIL DE KADYO 73 K". (RH2)
16798 Unid 1730 FEC EE nx from Manila repeat. (FH)
16800 Unid 1805 FEC EE nx from Manila relayed to this station by satellite & then transmitted to us. (FH) Unid 1015 FEC relay of press & sport-items (by ship??): "item5 = peso rate at p26.26 - 1 u.s. dollar recent by .. sr/sr .. the ati-atihan boy ... from kalibo, aklan may god bless us all ... 73 mnnn recent by ---- ice ice baby--bon voyage ----" then end of transmission, somebody any clue?? -- (PB) (all of these: 16791.5, 16792.5, 16798 & 16800 are relays of nx sent by Bulacan Radio via Filipino crewed ships to other Filipino crewed ships, there are different skeds on different freqs for various areas of the worlds oceans & seas --LOGS)
16800 Unid 1450 FEC EE nx from Manila relayed to this station by satellite, off at 1450, "back to centro for CPM NNNN", "relayed by JS7/Victorias Boy" & "press report via MICKK" (FH)
16801 UUZU: TKH VEGA 1436 RTTY 50/170 admin from Km Zarytstkiy to UGW. (HOOD)
16802 UFN: NOVOROSSIYSK RADIO 1313 ARQ msg to UPXP: TKH VALERIY CHKALOV from Novoship Agency, using Selcal 55049. (HOOD)
16808 SPA: Gdynia R. 1055 FEC MARKER & SELCAL INFO. (RH2)
16810.5 UAT: MOSCOW RADIO 1055 ARQ msg to UIBT: TKH FAVORIT. (HOOD)
to BATM ZAOSTROVE using c/s UEVB (is ex LYMM). UIW: KALININGRAD RADIO 1059 RTTY 50/170 Same 1637 admin to BATM KONDRAT BILYUTIN for Km Abolmasov using c/s UATZ. Same 1649 crew TG to UAUF: BATM ALEKSANDR KSENOFONTOV (is ex LKF).)

16955 YLQ: Riga radio 1017 FEC msgs. (BvR)

17084 CFH: Halifax 1900 RTTY 75/850 usually encryption. (FH)

17384 TNNR: French Emb Antananarivo MDG 0740 ARQ6h90 200/400 w/5LG's. (ML2)

17441.8 5YE: NAIROBI METEO 1118 POLhARQ 100/850 RY/ID. (RH2)

17445.9 5YE: NAIROBI METEO 1120 FAX 120/576 V.G. WX CHART. (RH2)

17445.9 5YE: NAIROBI METEO 1120 ARQ 100/284 UNABLE DECODE. (RH2)

17461 MFA Ankara 0730 RS-ARQ 228.7 also 240.1 til 0830 (ANEE)

17464.7 MFA Cairo 0745 ARQ wkg/Embassy Niamey til 0815 (ANEE)

17465.4 Unid 1118 RTTY 75/868 TUNED OK BUT GBGE ON SCREEN. (RH2)

17490 ILMD: French Emb Islamabad PAK 0740 ARQ6-90 200/400 w/5LG's. (ML2)

17520.7 Unid 1120 GUESS PACTOR. (RH2)

17535 8WA53: Indian HiCom Colombo SLK 0630 RTTY 50/850 clg 8WD87 New Delhi w/QRU (ML2)

18045.8 DFZG: MFA BELGRADE 1405 RTTY 75/435 RY's/ID THEN 3LG's, THEN CRYPTO. (RH2)

18054.6 MSF Africa? 0900 ARQ french logistics msgs (ANEE)

18181 MFA ALGIERS? 1353 COQUELET WUNLOGS SAY THIS IS MFA ALGIERS. (RH2)

18203 Polish Embassy, Harare 0645 POLhARQ 100bd/200 MSGs in Polish to MFA Warsaw (MC)

18220.9 CMM76/x9: MAP News, Rabat 1000 RTTY 50bd/400 NX in EE abt Moroccan geological surveys (MC)

18338.8 5AF: TRIPOLI AIR 1428 RTTY 50/351 RY/ID HAS IT EVER SENT ANYTHING ELSE??? (RH2)

18493.9 Unid: 1422 RTTY? 96/827 UNID, UNABLE DECODE. (RH2)

18529.6 Unid: 1033 VFT: 3ch of 96bd/170 FECh100, idle on RQ (MC)

18530.8 Unid: 1033 VFT: 3ch of 96bd/170 FEC-100, idle on RQ (MC)

18531.7 Unid: 1034 VFT: 3ch of 96bd/170 FEC-100, idle on RQ (MC)

18566 MFA Dhaka BGD 0500 FEChA 144/850 w/local nx EE (ML2)

18648.5 5AF: TRIPOLI AIR 1428 RTTY 50/351 RY/ID HAS IT EVER SENT ANYTHING ELSE??? (RH2)

18756 JPA: INTERPOL Tokyo, Japan 0405 ARQ Test w/Interpol Bangkok followed traffic in clear. (MS4) (very rare log these days! -LOGS)

18812.5 MKD: British Mil 1842 VFT: 2ch of Piccolo-6, eng. ch calling MUH (MC)

18812.9 MKD: British Mil 1920 VFT: 2ch of Piccolo-6, tfc ch idle (MC)

18846.7 Egyptian MFA, Cairo 1116 ARQ idle in IRS mode (MC)

19011.7 Unid, presumed PCW1 1550 ARQ msg in Dutch to Botswana. (FH)

19110 Unid: 1058 RTTY 75bd/850 crypto (MC)

19216.7 Unid: 1730 ARQ-E 96/443

19224.5 Unid: 1415 ARQ idling in receive mode to 1423 & off. (RH2)

19236.7 Unid: 1407 Mode? BUDGERIGAR SOUND NOT HEARD BEFORE! (RH2)

19296.5 Unid: 0948 FEC Opchat in SS "5/5 pero abrio makina" (MC)

19350.4 Unid: 1403 Mode? UNABLE DECODE. (RH2)

19376.9 Unid: GUESS II DIPLO 1140 ARQ-E 96/175 HAVE PICKED UP 11/DIPLO TFC/II/EE/ BEFORE ON THIS FREQ. (RH2)
19400.1 VVD69: Delhi Meteo, India 1025 RTTY 50bd/100 AAXX WX (unstable TX). (MC)  
19412.1 UNID: 1040 RTTY 75/491 LG's ENDING "CFM TKS GB SK SK". (RH2)  
19462.9 STS22: Khartoum 1718 RTTY 50/206 SUNA nx in EE. (FH)  
19567.7 Egyptian MFA, Cairo 1500 ARQ in IRS mode (MC)  
19642.9 UNID: 1830 COQUELET-8 166/706 kqkkxqkuxqvqkxkkx & so on (RT2)  
19853 V5G***: Romanian MFA, Bucharest 1103 ROUhFEC 164.5bd/400 crypto (Bitmask=24) (MC)  
19860.4 MGJ: RN FASLANE 1325 RTTY 75/841 LOGS SAY THIS IS MKK RAF LONDON. (RH2)  
20215.4 UNID 1320 RTTY? 75/838 MODE? (RH2)  
20663 UNID: 0915 rtty 50/425 rtty press service in a unid language. This station is also heard here at around 1800 on 16239.5. (MS4)  
20950 UNID: 1020 ARQhE 192/177 UNID, CRYPTO, WUN SAYS THIS IS GG BND. VG SIGS! (RH2)  

=MARITIME=  
1677 OFH, Mariehamn Radio: 1820 US w/UUEB, QXS 2102 kHz ch.:255, 2035z EE nav/warn, wx (ANDL)  
1692 SPG, Gdynia R, POL: 1937 USB EE/PP wx (ANDL)  
1704 OXZ, Lyngby Radio, DNK: 2135 USB EE nav/warn (ANDL)  
1713 PCG, Scheveningen Radio, NLD: 2138 USB EE wx / 1890 kHz (ANDL)  
1728 LGN, Bergen R, NOR: 2044/2138 USB EE/NN nav/warn, tcf lst (ANDL)  
1734 Lyngby R, DNK: 2106 USB EE/DD wx //1758,2586 kHz, I found only OXB/Blavand R, so any relay? (ANDL)  
1758 OXZ, Lyngby R, DNK: 2036 vmf/mm EE, id, 2037z nav/warn, 2107z EE/DD wx, tcf lst //1734,2586 kHz. I found listed OXB/Blavand R and OXJ/Torshavn R, so any relay? (ANDL)  
1794 SPO, Szczecin R, POL: 2038 USB EE tcf lst (ANDL)  
1869 SKZ, Humber R, G: 2139 USB EE navigation warning (ANDL)  
1890 PCG, Scheveningen R, NLD: 2138 USB EE wx //1713 kHz (ANDL)  
1905 SAB: Goteborg Radio, S 2332 ARQ Tfc to several vessels (AB)  
1946 GND: Stonehaven Radio, G 1917 USB Phone patch (AB)  
2040 Vessel ICRT, m/m Rugby Star: 2050 US wkg Crotone R, QXS? (ANDL)  
2045 Vessel C6MT3, m/m Green Lily: 2045 USB wkg Lisboa R, QXS?, req collect call. Vessel ICRT: 2248z w/Crotone, later QSY 2040 kHz, QXS? (ANDL)  
2046 Vessel (Miss Karoo?): 2230 USB WE wkg Vessel English man, QXS 2246 kHz (ANDL)  
2069 Vessel (Tema?): 2256 US w/Messina R, QXS 2789 kHz, telegram (ANDL)  
2102 Vessel UBEU: 1820 w/Mariehamn R, QXS 1677 kHz ch.:255 (ANDL)  
2123 Vessel IBMA: 2044 US w/La Coruna R, QXS? (ANDL)  
2730 SVL: 1533 USB Limnos R. wx (CK)
2761 OST: Oostende Radio, BEL 2238 USB Nav. wngs (AB)
2775 DHS, Ruegen R, D: 1850 USB GG wx, tfc lst (ANDL)
2789 IDF, Messina R, I: 2256 USB w/Vessel (Tema?), QSX 2069 kHz (ANDL)
2795 ESA: Tallinn Radio, EST 2241 CW marker (AB)
2799 SVH: 1533 USB Iraklion R. wx (CK)
2830 SVR: 1533 USB Rodos R. wx (CK)
3008 German Ships: 2055 USB GG sx, legal german ship-ship freq. ? (ANDL)
3070 Filipino Sailors/Ships Net: 0040 USB m sx vn/EE, stns: RRV, DB, EMM, ment "welcome to the club". See 3080/3077 kHz (ANDL)
3074 Filipino Sailors/Ships Net: 0020 USB m sx vn/EE, short-side-QSY fm 3077 kHz (ANDL)
3077 Filipino Sailors/Ships Net: 2335 USB m sx vn/EE, sort of check-in tfc, mini mini stns, stns: Major, RMM, OV, CR, ES, DLS, EVR, RRV, FTI, JS, RIB, SDL, MR, EPI, DCI, EIR, RAA1, EAB1, GBIB, DBIB, WVT, JJ, etc., Callings e.g.: Major Major Romeo Romeo Victor (Major act as net-control ?), using: break-break, roger, standby, how-do-u-copy, good-morning, radio-check, etc. phrases, using NATO/ICAO spelling, abt 0030z EE PHL home newscast, after finish: cfm-tfc, hrd over mini weeks see 3070/3074/3080 kHz (ANDL)
3078 Filipino Sailors/Ships Net: 0030 USB m sx vn/EE ment.: "DJK, DZK, Manila, Philippines Broadcast News", giving a cross QRG: 16540 kHz (an official ww ship-ship sx QRG), id: RO, RMM, RMJ, etc., see 3070/3077 kHz, 3077 seems to be the primary QRG, hrd every night. Any chance to ID any of that stns ? Calls shorties of official Calls?, stns must be in EU, a legal operation fm PHL ships in Aero-OR band ? (ANDL)
3108 German Ships: 2115 USB GG sx net, QSY to "Erste Acht" (first eight), legal german ship-ship freq. ? (ANDL)
3128 UNID polish: 0035 USB PP sounds like newscasting, ment.: "informaczi", news fm/to ships by ?? (ANDL)
3542.7 GNK: Norwick Radio, G 1536 CW marker (AB)
3607.3 GKL: Humber Radio, G 1959 CW marker (AB)
3740 LZW, Varna R, BUL: 1909 USB EE wx (ANDL)
3743 SVX: 1535 USB Chios R. wx (CK)
4077 WA3133: Mary E. Hannah 0106 USB Great Lakes tug (Hannah Marine), wkg WLC w/wx obs. WXQ9671: M/V Edgar B. Speer 0244 USB 34,620 DWT self-unloading bulk carrier (United States Steel Great Lakes Fleet), wkg WLC w/wx observation. WXQ4511: Str Edwin H. Gott 0527 USB 35,992 DWT self-unloading bulk carrier (United States Steel Great Lakes Fleet), wkg WLC w/wx observation. WB4520: M/V Calcite II 0532 USB 8,188 DWT self-unloading bulk carrier (United States Steel Great Lakes Fleet) built 1929, wkg WLC w/wx observation. WA4659: Str Medusa Challenger 0533 USB 6,967 DWT self-unloading Great Lakes bulk carrier (Medusa Concrete) built 1906, wkg WLC w/wx obs. WW23931: M/V Stewart J. Cort 0558 USB 32,930 DWT self-unloading Great Lakes bulk carrier (Bethlehem Steel), clg WLC no joy. UIIE: TKH Vilyam Foster 0605 USB clg/wkg WLO Mobile Radio, re R/T call to Russia, ships posn Havana, Cuba. (RB)
4092 MPNV4: 3COM 2105 USB several long pp's. MPNW4: Ocean Rover 2003 USB w/pp. BT Challenge yacht. (AD2) MPNV4: 3COM 1940 USB wkg GKT20 for pp. 2/3 way across Biscay. MPNW4: Ocean Rover 2003 USB wkg GKT20. Middle Bay of Biscay. Bit lumpy. Crew all well. MWSC2: Unid 2021z USB. Also at 2035. Single call to Portishead/GKT20 each time. Short delay each time as GK presumably brings up Tx. Interrogative who is clg but no further response from this UNID. MPNX4: Concert 2103 USB wkg GKT20. Indicates wind 25-30 knots and they are close reached making 9-10kts. A little rain. All going well. MPNW4: Ocean Rover 2206 USB wkg GKT20 w/pp. N/A: Time & Tide 1830 USB end of pp via GKT20. MPNW4: Ocean Rover 1833 USB clg GKT20. MPNW4: Ocean Rover 2120 USB wkg GKT20 for pp. (CDW) C6LW2: M/S Regal Empress 0303 USB Royal Caribbean Cruise Lines, 23,000 DWT cruise ship, clg/wkg WOO for R/T tfc holding for passengers on board. (RB)
4131 Italian shipping network 2005 USB HF meeting place for 'marconisti'. (AB)
4143 Italian shipping network 2023 USB HF meeting place for 'marconisti'. (AB)

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Italian shipping network (same net as 4143 USB) 1913 ARQ Various marconisti chatting. No shipnames only persons (AB)

4146 KBP394: Seacoast Base, Morgan City, La 0451 USB w/kg vsl Seacoar -7 re ETA. (RB)

4149 WBN7618: Tug Explorer 0505 USB Crowley Maritime tug, w/kg WPE w/posn 2600N/8708W. ETA. WBN3345: Tug Navigator 0511 USB Crowley Maritime tug, w/kg WPE w/posn 2142N/6723W, status. WBN5929: Tug Ranger 0512 USB Crowley Maritime tug, w/kg WPE w/posn 3061N/7340W, status. WBN3011: Tug Pilot 0518 USB Crowley Maritime tug, w/kg WPE w/posn 3801N/7435W, status.

WBN3022: Tug Centurion 0528 USB Crowley Maritime tug, w/kg WPE w/posn 2059N/7407W, status. WBN3013: Tug Century 0530 USB Crowley Maritime tug, w/kg WPE w/posn 3611N/7340W, status. WBN6511: Tug Gauntlet 0532 USB Crowley Maritime tug, w/kg WPE w/posn 2130N/7007W, status. WBN2079: Tug Daring 0534 USB Crowley Maritime tug, w/kg WPE w/posn 2758N/9622W, status. WBN5040: Tug Pioneer 0537 USB Crowley Maritime tug, w/kg WPE w/posn 2558N/7544W, status. WBN5050: Tug Gladiator 0550 USB Crowley Maritime tug, w/kg WPE re waiting for dock to clear, ETA of the other tug leaving. (RB)

4183.5 LYES: 1825 CW clg PCH20 no answer (on clg ch.6/group II), 1828 clg PCH20 on 4184 (clg ch.3/common ch.) also no reply fm PCH20. (ANDL)

4184 GKR: Dong Won No.606 1116 CW tfc w/unid shore station. (AB2)

4194 H8XM: MV MSC FRANCESCA 1818 CW msg to Geneva w/eta for Istanbul. (HOOD)

4210.5 IAR: Rome Radio 2023 CW Marker "IAR" and tuning burst. (DW)

4216.5 IAR: Rome Radio 2025 CW Marker "IAR" and tuning burst. QRM fm SAB maritex. (DW)

4241.5 LGW, Rogaland Radio, NOR: 1750 CW mkr: CQ DE LGW LGB LGJ LGX = TFC FOR ELQK7 J6FW2 UE2JZ = LAEY4 LAQY4 = QSX 4185 8368,5 12552,5 16736,5 KHZ AND LGQ/LGT 500 KHZ (ANDL)

4250 PCH20, Scheveningen Radio, NLD: 1755 CW mkr: DE PCH20 4 K (ANDL)

4253.5 HZG: Dammam Radio 2120 CW 'de HZG qsq ch 3/4/9' (PB)

4262 L2L2: Bourgas Radio, BUL: 1759 CW de-mkr (ANDL)

4274 GKB2: Portishead Radio, G 2145 CW Etc list, 1804z mkr: DE GKB QSX CH 2/3 (ANDL)

4292 IAR24: Rome Radio 1904 CW WX forecast in Italian then in EE at 25wpm. (DW)

4298 PPO: Olinda radio 0505 CW mkr. (BvR)

4303 OXZ2: Lynby Radio, DNL 2142 CW Tfc list (AB)

4320 IAR4: Rome Radio 1957 CW Marker "vvv de IAR k 4 8 12 16 22 = lsn 22 MHz and reply 16 MHz" (DW)

4331 9AR: Rijeka Radio, HRV 20.44 CW marker (AB)

4331 WCC: Chatham, MA 0204 CW marker. (BDS)

4343 WCC: Chatham radio 0455 CW tfc lst. (BvR)

4343 WLO: Mobile, AL 0203 CW wx report. (BDS)

4343 WKLM: ARKHANGELSK RADIO 1930 CW CQ (to 4LY) and listening on 4225/2540/4183.5/6278.5. (HOOD)

4346 9AR: Rijeka Radio, HRV 21.29 CW marker (AB)

4357 KMI: AT&T Coast Station California 0645 USB w/kg unid vsl WCQ6304 for R/T tfc. (RB)

4363 WCC: Chatham radio 0459 USB tfc lst. (BvR)

5750 ARIS: Greek Coast Guard HQ Piraeus 1603 USB with urgent storm bulletin for South Ionian Sea. (CK)

6227 WCF4433: Mister Jean 0809 USB Tidewater Marine tug, w/kg KZU Harvey w/status, ETA. WCF4607: Rio El Bravo 0814 USB clg KZU Harvey, no joy. 3EMVS: M/V Seaboard Intrepid 1108 USB 10,208 DWT Ro/Ro cargo vsl (Seaboard), w/kg WHV384 "Miami" w/ETA, then relays tfc for M/V Seaboard Courier (unk c/s); ELR8, M/V Seaboard Ocean (9200 DWT Ro/Ro); and ELR7, Seaboard Carriere (9200 WT Ro/Ro). (RB)

6230 USCG New Orleans 0217 USB w/kg unid fishing vsl, QSY to 3023. (HF)

6286.5 UFGG: TKH LADOGA T 0636 CW admin from Km Egorov to UCG4. (HOOD)

3640.5 9VG9, Singapore Radio, SNG: 1600 CW mkr: CQ DE 9VG9/3640.5 KHZ QSX 6MHZ CH 1345710 (ANDL) 9VG9: Singapore Radio 1325 CW marker -cq de 9vg9/3640.5. (MS4)

6357 SAA, Karlshkrona Radio, S: 1750 CW mkr: CQ DE SAA = NIl TFC = Qsx HZ4 500/4195/6292.5/12425 KHZ = QSW H24 500/6357 KHZ = FOR QJ CALL 4/6 MHZ = QNNN, 1755z mkr: see above, else: = TFC FR ULFI UOYA = (ANDL) SAA: Karlshkrona radio 1811 CW de mkr. (BvR) SAA: KARLHKRONA RADIO 2106 CW tfc list (for EURQ, ULJG and UOHO) & listening 500/
WUNhv02

4195/6292.5/12425. Same at 0953 CW msg to 3FIR3: TKH BALTIIAS CELS. (HOOD)

6317.5 RKLM, Archangelsk Radio, RUS: 1605 CW mkr: 4LY DE RKLM QSX 425/2540/4183.5/6278.5 K, what is 4LY? hrd often ard this time (ANDL)

6380 UGC, Sankt Petersburg Radio, RUS: 1600 CW mkr: CQ DE RJFY/UCW4 QSW 4223/6380/8505/12765 KHZ (ANDL)

6400 UON: BAKU RADIO 1824 CW msg to 4JDS: TKH GAZANFAR MUSABEKOV and 4JGZ: TKH BESTEKAR FIKRET AMIROV. (HOOD)

6416 WLO: Mobile Ala 1507 CW strm tracker data hortense/fausto (RT2)

6420 SWTQ: AL-22: Greek Customs Cutter 1044 USB wkg base. SWRD: AL-24: Greek Customs Cutter 0525 USB wkg base. (CK)

6425 UGC, Sankt Petersburg Radio, RUS: 1615 CW mkr: DE UGC QSX 6/8/12/16 K (ANDL)

6465.5 ROD7: MURMANSK RADIO 0640 CW CQ and tfc list. Freqs as 4295.5/6465.5. (HOOD)

6485 ESA: TALLINN RADIO 0700 CW tfc list (for 9HXM4 and V2SS) giving freqs as 450/454, 6485/6279.5, 12723/12553 and 17077/16737. Was also sending on 6405. (HOOD)

6491.5 JOS, Nagasaki Radio, J: 1539 CW mkr: CQ DE JOS QSX 8 MHZ K (ANDL)

6491.5 VCS: CCG Halifax 2210 CW ice wrng. (BVR)

7950 Aussie fishing 0710 USB Much swearing,usual tfc. (AW)

8101 Australian fishing vessels 0910 USB tfc on intership ch. (AW)

8176 VIM: Melbourne radio, AUS 0310 USB Long wx broadcast. (AW)

8213 STA: Noudhibou radio, Mauritania 0625 USB Long Arabic tfc. (AW)

8222 C6NR9 0605 USB clg Rijeka radio in EE. (AW)

8234 5TA: Nouadhibou radio, Mauritania 0625 USB Long Arabic tfc. (AW)

8240 Commercial Union (BT Challenge yacht) 0853 USB 41N 09W Doing taped broadcast. MPNW4: Ocean Rover (BT Challenge yacht) 0936 USB Booking pp for 10:00 radio interview. Time & Tide (BT Challenge yacht) 1010 USB Posn 3950N 0922W w/pp's. (AD2) 3COM 2330 USB woman on yacht 3COM placing calls, got answering machine on one, said she would try again tomorrow night at same time. OCEAN ROVER 2338 USB man on Yacht OCEAN ROVER talking with girl friend, mentioning having a hairy night of it w/boat tipping beam to beam. CONCERT 2358 USB man on yacht CONCERT placing call to check on his dog, mentioned to woman that their generator was out, also that they are just north of the Canary Islands and currently in 3rd place. (BC) MPYQ3: Nuclear Electric 1721 USB calling GUK46. N/A: Commercial Union 1759 USB wkg GUK46 for pp. MPNW4: 3COM 1848 USB calling GUK46. MPXJ3: Toshiba Wave Radio 1848 USB wkg GUK46 for pp. YL on pp - went distorted. Tried Channel 41 but not here - but also butted in. MPNW4: Ocean Rover 1859 USB wkg GUK46 for pp. Off the southern tip of Portugal. Lumpy seas. 30 kt N wind. Making 12 kts. Food excellent and crew happy. MPNW4: 3COM 2018 USB wkg GUK46 for pp's. Getting warmer and heading for the Canaries. Going very well + fast. MPNW4: 3COM 2128 USB wkg GUK46 but unable establish pp's. MPNW4: Ocean Rover 2133 USB wkg GUK46. 120 miles W of Cape St Vincent. Quite rough. 30kt wind. Spinnaker up and making 12-13 kts. (DW) GQIM: HMS Herald 2054 USB Clg Portishead, QSY-4092. MPW4 Ocean Rover: 2237:USB: BT Challenge yacht Wkg GUK46 80nm N.E. of Madeira & gained 3m on Group4. Breakfast of Egg & Bacon this morning. MPX4 Concert 2257 USB BT Challenge yacht Wkg GUK46.---yacht in 3rd place at time of logging. (IB) 8255 Costa Marina 1759 USB Wkg Roma Radio. (IB)

8273 HLS: Seoul radio 0918 USB pp to unid vessel. (AW) (probably the reverse unid vsl wkg HLS since this is a ship freq -LOGS)

8279 J8FS6: TKH CITY OF TOBOLSK 1829 USB wkg Helsinki Radio for pp (a sea-river cargo vsl ex OMSKIY 33). (HOOD)

8285 NVLA: USS Vella Gulf (CG-72) 0256 USB concluding R/T tfc w/WOM. (RB)

8294 Vsl "proper lady" 0653 USB clg "Elusive" both US accents. (AW)

8294 WBN3014: Patriarch 0059 USB tug, wkg fellow Crowley tug Gaunlet, WBN6511, Patriarch bound Cape Verde. KEB313: Unid limited coastal 0107 USB sta, wkg a vsl w/status, this was may have been KCE313, Broughton Inc, in Los Fresnos, Tx, (closest match). WSP2730: El Falcon
Grande 0051 USB tug, wkg K2U Harvey w/posn rpt. (RB)

UACW: TKH VOLGO-BALT 227 1802 CW tfc for UBO3 (replying on 8570).

UJSO: TKH VOLGO-BALT 240 0648 CW msg to "RADIO PTRZ" (UBO3). (HOOD)

UUZU: TKH Vega 2149 CW w/DISP-1 reports to Odessa Radio, also sends tfc for TKH Kapitan Aleksey. (RB)

UNGQ: PREZIDENT PIK (RTMS-7534) CW crew TGs to UBF2. (HOOD)

ENZG: Serebryansk 1506 CW c/lg 9VG no joy. (AB2)

6LHY: 77 Gae Yang 1159 CW tfc. (AB2)

BOGZ: Yu Cai 1510 CW tfc QSY 4 Mhz. (AB2)

C4AN: M/V South Islands 2059 CW 15,147 DWT dry cargo ship c/lg unid coastal station. (RB)

ELOM7: Centurion 0127 CW clg CWA, QSY 8370 @0130. (AB2)

JFEI: Iyo Maru 0143 CW w/ETA Manzannilo. (AB2)

UYAF?: TKH Kapitan Adgladze 2101 CW Ukrainian-flagged vsl, w/admin tfc in CW to Mariupol, c/s not used but logged another time this month using UYAF, no prior info for Kap Adgladze. (RB)

9HDA3: MV LINA 0656 CW msg abt bulk wheat cargo via TAH. (ITU name is "DINA", but copied several times as "LINA/9HDA3"). (HOOD)

URWM: TKH IZMAIL 1012 CW wkg unknown station as "M/V IZMAIL/URWM" w/eta for Thessaloniki. (HOOD)

LZDT: MV ADALBERT ANTONOV 2114 CW Bulgarian bulker w/crew TG to Varna via LZW42. (HOOD)

VCS: CCG Halifax CG Rdo, NS 2320 CW w/CQ marker & "HF services to end 30 Sept". (RB)

VAI: Vancouver, BC, CAN 0040 CW marker. (BDS) VAI: CCG Vancouver, B.C. 1145 CW 24 wpm Can vai qsx 4/6/ 8/12/16/ mhz. (RT2)

OFJ: Helsinki Radio Finland CW w/ ID marker. (PT)

UIW: KALININGRAD RADIO 0953 CW tfc for 3FIR3: BALTIJAS CELS. Vsl is a fish carrier, ex BEREG BALTIKI. Same at 1301 CW ID, tfc list and freqs in blocks as a/ 8466/12973/17152, b/13054/16927/19724.4, 12874/15348/17160.8 & phone 8764/12356/16531/17311. (HOOD)

70: Doha Radio 1931 CW "de A7D" (PB)

JYO: Aquaba Radio 1901 CW Marker "cq de JYO qsx 8/12 gcc 3 4 9 k". Then offair. (DW)

A7D: Doha Radio 1931 CW "de A7D" (PB)

IAR28: Rome Radio 1943 CW Wx forecast in EE at 25 wpm. (DW)

IAR28: Rome Radio (IAR28) 2000 CW Marker "cq de IAR for rqstng blind tfc lsn on 521.5 4292 8530 13011 17160.8 22634 as" - for rqstd tfc blind trnsmssn pse lsn our tfc list and if tfc for you as" then list. Blind tfc to IBXE. (DW)

VCS: CCG Halifax CG Rdo, NS 2320 CW w/CQ marker & "HF services to end 30 Sept". (RB)

HPP: Panama Radio 2217 CW Marker "vvv cq de HPP = gru? qrj? obs qsw 500 kHz/4.275KHz/8.589KHz/12.699KHz/17.232.4Khz and rtty channel 1208/1633/all amver msgis with qsj" "IBRU de HPP qrj 1204/13 86/12.239 ok". (DW)

UFL: Vladivostock Radio 1521 CW w/NAVAREA wngs and "nil de UFL". (TD2)
WUNhv02

8602  CWA: Cerrito Radio 2224 CW Marker "cq de CWA qsx 4/6/8/12/16/ 22 MHz c 3/4/9/10 k". (DW)

8610  UCE: Arkhangelsk Radio 2204 CW tfc list. (PB)

8611.5 TAH: Istanbul Radio 0854 CW tfc in Turkish. (PB)

8614  URL: Sevastopol Radio 2150 CW Marker "cq de URL" pse ans 8358.5/12468.5" then oFFAIR. (DW)

8618  KPH: San Francisco, CA 0149 CW marker. (BDS)

8630  WCC: Chatham radio 2236 CW vvv mkr. (BvR)

8642  KPH: San Francisco, CA 0150 CW marker. (BDS)

8657.7 WLO: Mobile, AL 0200 CW marker modulation of tones was "funny" (rise/fall time was longer than normal; propagation or xmtr problem?? (BDS)

8662  TAH: Istanbul Turkey 1645 CW marker- CQ DE TAH (MS4)

8665  XSG: Shanghai Radio, CHN: 1755 CW mkr: CQ DE XSG QRU? BK (ANDL)

8680  WSC: Tuckerton Radio, NJ 2135 CW "cq qsx 6 8 12 16 mhz" and wx msg about tropical storm Josephine. (PB)

8682  EAD3, Madrid Radio, E: 1750 CW marker DE EAD3/EDZ6 QSX 8 12 16 AND 22 MHZ CG + (ANDL)

8687  SVA4, Athens Radio, GRC: 1745 CW mkr: DE SVA4 (ANDL)

8688.5 ZSCG: Capetown Radio 2236 CW Marker "cq de ZSC ar k k ". (DW)

8691  XST, Qingdao Radio, CHN: 1740 CW cq-mkr (ANDL)

8700  9AR: Rijeka Radio Croatia CW w/ ID marker..(PT)

8704  SVB4, Athens Radio, GRC: 1740 CW mkr: DE SVB4 (ANDL)

8706  JOS, Nagasaki Radio, J: 1735 CW mkr: CQ DE JOS QSX 8 MHZ K (ANDL)

8716  Athens Radio, GRC: 1735 USB m GG tfc, ch.:837 (ANDL)

8718  Athens Radio, GRC: 1735 USB m GG tfc, ch.:837 (ANDL)

8722  BVA: Taipei radio 0900 USB EE Voice Mirror "This is BVA Taipei Radio transmitting for circuit adjustment purposes". (AW)

8728  SPC43: Gdynia radio, POL 0850 pp to unid vessel in RR. (AW)

8749  PCG: Scheveningen radio 0714 USB tfc lst. (BvR)

8764  Portishead Radio 2135 USB in contact with Ocean Rover (MPNW4) One of the crew was being interviewed by a commercial radio station about his part in the challenge. (AM) PORTISHEAD Radio 2220 USB w/three yachts from the BT Global Challenge. (BC)

8803  SB4A: Taiwan Radio 1015 USB Long list of orders. (AW)

8806  OHG: HELSINKI RADIO 1826 USB wkg UJHI: TKH VOLGO-BALT 206 and UMVI: TK VOLONEFT 335 for phonepatches. (HOOD)

8808  BFL41: St. Lys Radio (F) 1455 USB f EE w/ICZX, req. QSY ch.1226 (BFL61:13152/13305 kHz). 1457z w/Val Grande, pp. QSX 8282 (ANDL)

12290  LAZB2: Nordic Challenger (oiler) 2307 USB clg what sounded like Matraeso Prienta. Contact made at 2315. (RM)

12299  Toshiba (BT Challenge yacht) 1610 USB Crew pp to South Africa. Save The Children (BT Challenge yacht) 1832 USB near Canary Is. heavy QRM moved ch. 816 still vv. busy. (AD2) Global Teamwork 1249 USB BT Challenge Yacht Wkg Portishead. SXVJ m/v Akmi: 1300 USB Wkg Portishead. off Egypt. Commercial Union 1543 USB BT Challenge yacht Wkg Portishead. MPXJ3: Toshiba wave Warrior 1546 USB BT Challenge yacht Wkg Portishead. was 3m ahead of leaders this morning. wx v.warm female crew in Bikini's!! MWSF2: Time and Tide 1802 USB BT Challenge yacht Wkg Portishead. Save The Children 1802 USB BT Challenge yacht Wkg Portishead. wkg Portishead. Party onboard today w/Whiskey & Champagne. "Group 4 is 100nm West of us". MWSF2: Motorola: 1859 USB BT Challenge yacht Wkg Portishead. GUCL: HMS Invincible: 1829 USB CIG Portishead R. (IB)

12359  VAX498 2002 USB wkg unid vsl heading to Bermuda. (HF) (Herb Hilgenberg who uses the alternate callsign Southbound II Coastal
passing wx info to yachts -LOGS)

12458   URUS: TKH BORIS BUTOMA 1030 CW relaying part of tfc list from UFN.
Calls were all tankers. (HOOD)

12474   UJGA: T/K VOLGONEFT 261 0645 CW admin from Km Romakhin to UJE. UHTD:
TKH OMSKIY 143 0655 CW admin from Km Moskalenko to Genoa with eta for
Chioggia via UJE. (HOOD)

12659.5 9VG37: Singapore 0316 cw marker -cq de 9vg37. (MS4)

12662   7TF8: Boufarik radio 1643 CW cq de qsx, also at 1325. (BvR)

12663   CBV: Valpariso Radio 2056 CW Marker "vvv de CBV qsx 8 12 16 and 22
MHz k". (130 hz high) (DW)

12671.5 YLQ: Riga Radio 1500 CW vri high speed qtc list.(DW) YLQ: RIGA RADIO
1930 CW tfc list, currency rates and freqs as 442/4335/6341.5/
12671.5/ 17181. (HOOD)

12693   UGC: St. Petersburg radio 1700 CW cq de qsx. (BvR)

12735   URL: SEVASTOPOL RADIO CW crew TGs to 3FVB4: FRIO ADRIATIC & listening
12458.5/16658.5. (HOOD)

12736.5 TAH: Istanbul r 1739 CW de tah. (BvR)

12850   XSG: Shanghai Radio 1315 CW tfc list & listening 8357.5/12443.5.(HOOD)

12871.5 EAD44: Madrid Radio,E 0829 CW marker (AB)

12912.6 FFL6: St. Lys radio 1813 CW marker. Also at 1033. (BvR)

12952.5 VIP: Perth Radio 1603 CW Marker "cq de VIP k". At 0809 sending tfc
to "Coral Islander". At 1553, End of wx warning. Svc bulletin re
watchkeeping change effective 1st Sept. Return to marker "cq de VIP
k". (DW)

12966.7 A7D: Doha Qatar 0342 CW markerh CQ DE A7D (MS4)

12967   UJE: NIZHNY NOVGOROD RADIO 1526 CW msgs to UAHS: TK INZHENER SHLEM.
Vsl is a 3704GRT sea-river tanker, built 1995 and regd Astrakhan. (HOOD)

12969   XSU: Tianjin radio 1200 CW tfc lst. (BvR)

13029   SVBS: Athens radio 1725 CW de svb qsx. (BvR)

13033.5 WCC: Chatham radio 1025 CW qsx. (BvR)

13042.5 PJC: Curacao Radio 2002 CW Marker "CQ de PJC qsx 8/12 MHZ k" (DW)

13055   UTQ7: KIEV RADIO 1542 CW CQ and listening 8341/12436/16639. (HOOD)

13056   ESP: PARNU RADIO 1500 CW tfc list and crew TG to LYAB: NARVOS ILANKA
from Tallinn, then listening on 8355/12447. Tx freqs as 8535/
13065/17107. (HOOD)

13077   Unid: 2130 USB ch 1201 QSO EE (RT2)

13092   Unid: 2122 USB ch 1206 QSO in EE/II (RT2)

13152   V35: Perth radio 0112 USB wkg "Ray Milland" Aussie vsl. (AW)

13633   GAGG: HMS Argyll 2053 USB Wkg Portishead. (IB)

16450 Unid Chinese stn 2320 USB General call to all ships. (AW)

16546   Unid Russian stn 2330 USB pp in Russian. (AW)

16912   SUH: Alexandria radio 1137 CW de. (BvR)

16923.6 OFJ: Helsinki radio 1135 CW ofj qsx 8 mhz. (BvR)

17013   SBA: CYPRUS RADIO 1243 CW ID and freqs as 8623/17013 with tfc list
for ERYS: TKH OMSKIY 113 and UJXQ: TKH SIBIRSKIY 2130. hip Agency,
using Selcal 55049. (HOOD) SBA: Nicosia Radio Cyprus UTC? CW
w/me marker. (PT)

17016.5 KPH: San Fran. R., Ca. 1457 CW 21 wpm cq re kph kph tfc list
qsw/ships trfc. (RT2)

17026   KFS: San Fran. R., Ca. 1512 CW 28 wpm cq de kfs kfs qsx =
4/6/8/12/16/22 mhzh. (RT2)

17091   X5Q: Guangzhou rdo 1945 CW de. (BvR)

17164.8 ZSC7: Cape Town rdo 1642 CW de zsc. (BvR)

17184.8 KFS: San Fran. R. 1541 CW 27 wpm qsx 4/6/8/12/16/22 mhzh S10dB.
(RT2)

17198   HZG: Damman Radio Saudi Arabia CW w/ ID marker. (PT)

17198.3 HZG: Damman radio 1637 CW de hzg. (BvR)

17198.9 PCH60: Scheveningen rdo 1621 CW de pch 60 ch6 k. (BvR) PCH60:
Schevegeningen R, Nld 1556 CW 18 wpm de pch 60 ch 6 or 60 not sure
(RT2)
WUNhv02

17239.7 PKX: Jakarta rdo 1339 CW de pkx qru. (BvR)

18484.5 HZG: Dammam Radio, Saudi Arabia 0857 CW, "de hzg qsx ch 3/4/9" (off frequency TX?) (MC)

= MILITARY =

122.3 OUA: Danish navy Stevns, DNK 1248 CW DE OUA (AB)

1356 4XZ: Israeli Navy Haifa 1356 CW VVv de 4XZ 4XZ BT BT. (CK)

2268.5 FDG, FAF Bordeaux, F: 0230 CW v-mkr (ANDL)

2357.5 OUA32: Danish navy Stevns, DNK 2317 CW NAWs broadcasts (X21c, D21x, D23x) (AB) OUA32, DMarine Stevns, DNK: 0220 II-mkr: II DKR OVK 11/12/20/25/33 ZNI = ZKR OVK 14/23/33/35/145 A1A = II BCST U21C OUA25/38 = ... = II CALL TAPE ON OUA23/OUA33 = (ANDL)

2429 MKL, RNy Pitreavie, G: 0007 CW, ... = ZOM DE MKL GR 18 = UA3 JM7 MF7

2510 DSK: German navy, D 2035 USB w/LBA and LPG. Radio checks, then into 75bd RTTY (AB)

2680 4XZ, INy Haifa, ISR: 0210 CW vhmkr (ANDL)

2800 4XZ, INy Haifa, ISR: 0200 CW vhmkr (ANDL)

2815 IDR8, INy Rome, I 0155 CW marker: VVV DE IDR8 (ANDL)

3116.5 Rescue Gdynia?? 0542: USB: Clg SVL. Sounded just like 'Gdynia' but w/a silent 'G'. Made contact after 10+ minutes with difficulty, but I could not hear SVL (IB)

3143 OVERFLOW 0357 called PRESTLEY (sounds like). Also MAGNAVOX called NIGHTWATCH 01. At 0457z, MAGNAVOX called and raised NIGHTWATCH 01, but did not hear NW01. (JH) CLEANCUT 0505 USB clg NIGHTWATCH 01 on "Z115", checks into the net. (RB)

3146 FDG: French Air Force Bordeaux, F 1932 CW VVV marker (AB)

3295 WAR 46 0732 USB clg NIGHTWATCH 01 for a radio check on Z-120. No joy. (JJ)

3365 RIT: Moscow Naval, RUS 2000 CW wkg ships. (JD2)

3382.5 FDG, FAF Bordeaux, F: 0010 CW v-mkr (ANDL)

3782 CTP, NATO/PNy Lisboa, POR: 2035 CW mkr: VVV DE CTP QSX 4 6 8 12 MHZ + (ANDL) CTP: NATO, Lisbon 2130 CW, "vvvv vvvv de ctp ctp qsx 4 6 12mhz" (MC)

3832 FDC: French Air Force Metz, F 1530 CW marker (AB)

3836.5 FDE14, FAF (but where?), F: 1825 CW v-mkr: VVV DE FDE14 + (ANDL)

3837 P/RMP: Russian navy Kaliningrad, KAL 2000 CW Channel marker 'p' at 2000 UTC followed by c/s 'RMP' and wx for Baltic area. Then 'p' again for ca. 2 mins then s/off. (AB)

3864 Kinloss Rescue, G: 1906 USB wkg 177, r/c. 1911z wkg Rescue 131 app Orkney is avail. fr Humber Coast (ANDL)

3881 FAV22, FA Mont-Valerien, F: 1440 CW v-mkr: VVV DE FAV22 QLH 3881/6825 kHz, 1444z: start of CW lessons by machine, start w/header: LECON 12-1/1 VITESSE 600 COD. LECON = Lesson in french, 5 ltr grps, also header: LECON IT-1/2 VITESSE 420 CLAIR (CLAIR=clear) followed by open frech text. next: LECON II-1/3 VITESSE 420 CODE & 5LG's. hrd daily over weeks, // 6825 kHz (ANDL)

4134 L: RUSNAV St Petersburg 1355 CW SLHFM. (CK)

4145.5 DELTA-6-KILO 0100 USB working ZULU-0-YANKEE and many others. Coordinating fire control & data traffic. EXERCISE UNITAS? USN/USMC type chatter. (JJ)

4154.5 DRAV: FGS Karlsruhe (F-212) 0305 USB German Navy type-12 frigate, wkg DHJ39, Wilhelmshaven Naval w/QSL of RTTY msgs. (RB) IGRO: 2100: USB: UNID INy Vsl Wkg ICT. (IB)

4163 UNID 1231 USB Heavy ANDVT comms. One station booming here so must be local. Anyone know who uses this freq? (EA)

4168.5 IGJ, INy Augusta, I: 1835 USB II/EE w/IGPI, aka: PI, coded tfc (ANDL)

4260 TBA2: Turkish Navy Ankara 2112 CW 'vvv TBA2/3/4' (PB)

4275 TBA5: Navy Ankara, TUR 2143 CW marker (AB)

4325 R: Russian navy Ustinov, RUS 2250 CW Channel marker (AB)

4331 4XZ, INy Haifa, ISR: 1810 CW coded tfc. (5lg's & 6 ltr T-grps, e.g. TKSUM TEKXUA), 1814z VVV-mkr, 1815z tfc (ANDL)

4372 MISC: 0308 USB Sound like some net coordination activity on 4372 kHz. Callsigns 1NH, 1RA, Giant Killer, 8FX heard. Also mentioned 10X, 4CQ. Mention of event sked 1430Z-1830Z. (EC) (GIANT KILLER is USN FACSFAC for Virginia Capes Op's Area -LOGS)

4420 EXECUTIVE-1-FOXTROT, C-9, 0455 USB wkg Andrews VIP w/pp to SAM
WUN-v02
COMMAND: Departed Denver 0350z ETA Boeing Field 0620z. (Just heard the tail-end of this) Andrews VIP 0426 USB checking SAM 681 on secondary. On the way back to primary "F-731" (6683.0) SAM 681 said he was going 'monitor' which could mean 681 is on the ground at present re-fueling. (It's not wise to transmit when Jet-A is being splashed around.) (JJ) Andrews VIP 0645 USB clg EXECUTIVE ONE FOX TROT (a/c w/member of President of U.S.'s family on-board, most likely Hilllary), for signal ck. (RB)

4472 NIGHTWATCH 01 0705 USB called SHAMROCK. (JH) NIGHTWATCH 01 0200 USB wkg WAR 46 & others. NIGHTWATCH 01 0251 USB wkg WAR-46 & MUDDUCK. (JJ)

4491.5 CRC Borckzetel(GE) ROUND UP UTC? USB wkg Navy units (GD3)

4510 PICADILLY CIRCUS (American accent), RAZOR 01 and DILLON 68 (sounded that way) 1720 USB w/unid ground station. (JJ)

4560 HMCS NANAIMO (MM-702) 0200 USB wkg Halifax Military. (JP)

4580 ZEROh7 1608 USB receiving traffic from BLACKSHEEP. BLACKSHEEP is too weak here to make out, but I did catch 07 say "repeat after deployed." From BLACKSHEEP's cadence, it sounds like he could be passing coord stuff. (JJ)

4708.5 FDG, FAF Bordeaux, F: 0115 CW vhmkr (ANDL)

4721 AF1, SAM 29000, & SAM 049 0330 USB wkg Andrews VIP w/signal chks. Followed w/SAM 049 wkg Andrews VIP for pp to Peterson Base Ops. DSN 834-4778 (JJ)

4724 OFFUTT, 0038 USB as lead GHFS station, with 20-character EAM "FOR TACAMO PAC PRIMARY" at common h+38 transmission minutestamp for these things. OFFUTT, 0055 USB as lead GHFS station, w/68-character EAM (PKFBUR...). (JH)


4745 DRAGRACE 2235 USB called & raised NIGHTWATCH 01, but did not hear NW01. TRUTHFUL 0149 USB called NIGHTWATCH 01. At 0150z, WAR 46 worked NIGHTWATCH 01. At 0354z, MAGNAVOX called NIGHTWATCH 01. At 0454z, NIGHTWATCH 01 (heavy "whine" on his audio, as has been recently common) w/26-character EAM, apparently not hearing MAGNAVOX simulcasting the thing on 3143 & 6757. (JJ)

4751 9-LIMA 0449 USB & 0-NOVEMBER wkg each other for radio checks. (JJ)

4941.5 FD18, FAF (Aix ?), F: 0105 VW v-mkr (ANDL)

4959.5 BALDWIN CONTROL (NORAD HROCC (Hawaiin Regional Operations Control Center) USB wkg HOKU 61 w/radio ck's after contact on 364.2 AICC. Also HOKU 51 on the net adv BALDWIN CTL he was reading him 2 by. Anyone know what type of a/c HOKU is? (EA)

Pagina 920
5010 Russian Air Defense, RUS 2111 USB QRV msg "BT990110?8?????" (note: time=UTC+4) (AB)

5064 9MB: Malaysian Navy Georgetown 1805 CW-marker 'vvv 13/16/19' (PB)

5080 PLEAD CONTROL 1730 USB wkg W3S, W4S, V4Q and others. Ref to R/C on 3237. Ops Normals and some posn rpts all between 33 and 36N, 121 and 122W. Some ANDVT. Looks like the Pacific Missile Range is active this AM (PDT). W1M & BLOODHOUND 36 1630 USB c/l PLEAD CONTROL (no joy). W1M informs BLOODHOUND 36 that he had PLEAD CONTROL on "Tango Alpha 2 0 0 Zulu 2" (WT)

5086 CAOC Kalkar LIMELIGHT 0945 USB wkg CRC BANBOX and Navy-units (GD3)

5086.5 US-Forces 0930 USB (airborne but no clue if it's AF or NAVY) in the Adriatic. Callsigns: EC, IE and IG. They talked about Italian coast & Yugoslavian Islands. (GD3)

5087.5 CAOC Kalkar LIMELIGHT UTC? USB wkg CRC Nieuw-Milligen BANDBOX (GD3)

5099.5 Various: var. times USB German army. 'Wasserhuhn' and several other tactical callsigns were heard. (JJ)

5198.5 CZDO: CFAV Quest (AGORh172) 2005 USB Canadian Navy hydrographic/oceanographic research ship, wkg Halifax Military re hydrolant info. (RB)

5205 Florida National Guard "Mike" disaster HF Net UTC? USB? apparently, the net has a total of 36 channels, 5205 being one of them. The Guard has been called out to help with the flooding in the panhandle of Florida, in the aftermath of the tropical storm. Would appreciate & frequency and channel information anyone has to offer. (ANN via Bob -LOGS)

5218 TRACKERh01 1000 USB w/BOOKSHOPh57 and BOOKSHOPh01. BOOKSHOPh01 called itself also 'OPS'. Freq change to 81B (eight-one bravo) = 5346 kHz where the conversation continued. (JJ)

5290 TBO, TNy Izmir, TUR: 1924 CW vhmkr VVV TBDJ VVV DE TBO (ANDL)

5310 JULIET-CONTROL (??) 0935 USB wkg AE (??) sounded Italian. (GD3)

5313 INDIA 4408: 1645 USB Italian Air Force aircraft calling "Aktio" [LGPZ] (CK)

5437 Andrews VIP 0700 USB working EXECUTIVE-1-FOXTROT with signal checks for possible new primary on "F-489" from F-117 (6993). Comm's didn't workout on this freq so they went back to 6993. (JJ)

5680 Kinloss Rescue, G 1222 USB w/Rescue 11 giving coordinates to look for a missing vessel. Plymouth Rescue, G 1639 USB w/Rescue 12. Radio check (AB) Rescue 11 0958 USB 15 POB ETA scene of search 10:25 1 ASR carried, EGQL as diversion airfield. 10:50 posn 5608N1008W. Rescue 177 0959 USB 5 POB 4 hours endurance overhead Arran routing to posn 55480N08330W ETA 11:00 Inform B1Q (Ship) our ETA on scene 1100. Rescue 177 1150 (Seaking, Helo) Lifted off Island of Coll, RTB Prestwick ETA 13:25, working Coll CG. 156.000/11:36. Navy 177 1105 USB Kinloss Rescue, airborne RN Prestwick 5POB endurance 3 hrs. exercising in the Galloway area. SMG 37 1544 USB Plymouth Rescue, RTB St. Mawgan closing down. (Wessex, SAR Flight St. Mawgan). Swift 140 1012 USB Wessex helo 5 POB outbound Aldergrove, to operate in the Coleraine and Portrush areas. (ANUK) RESCUE122,127 1319 USB PLYMOUTH RESCUE (JD3)

5685 CWLSO/51 Domini 3FTS 1311. "MKHS" USB Requesting latest actuals for Cranwell, Coningsby and Leeming. (JD3)


5696 CAMSLANT Chesapeake 1102 USB wkg B7U requesting radio checks on 3E11 & 3E12. Checked both freqs but had heavy QRM from nearby RTTY txsins. CG Rescue 1702 (HC-130) 1402 USB wkg COMMSTA Honolulu w/ops normal & posn report 1733N 15754W (just of the southern tip of the Big Island). Local boys. :) (EA) USC Group San Diego 0322 USB Clg CG a/c & standing watch. Evidently their VHF equipment still on the fritz. (JDS) C4C 0129 USB wkg CAMSLANT w/FLT ops normal. (LCB) CAMSLANT Chesapeake 1817 USB req flight ops from CG-6002, CG CHARLIE 12, CG-6014 & CG-12CHARLIE. BRAVO 4 KILO & 3 SIERRA ECHO 1838 USB passing guard to COMSTA New Orleans. 62 ALPHA 1833 USB reporting ops normal to CAMSLANT. CG 6033 1835 USB conducting radio check w/ CAMSLANT. 62 ALPHA 1837 USB confirms contact w/PANTHER requests
WUN-v02

CAMSMLANT to secure his guard. CAMSMLANT 1830 USB securing guard for LIMA 5 LIMA. CAMSMLANT CHESAPEAKE 1823 USB req flight ops from CG CHARLIE 13 (MF2). Coast Guard 1501 2308 USB wgk PP to Atlantic Area Ops Command (via CAMSMLANT Chpk), they report are bingo fuel, going into Bermuda for fuel. Have not sighted any vessels in distress yet, are wgk legs of search. Intentions are not to search back to DMB (Marker Buoy?) but to let it drift. If site any flares will change search....Command is having trouble resolving fix.....CG1501 will return DMB after fuel. Lots of other activity here including posn reports to PANTHER. (PS3) (DMB is Data Marker Buoy) NPCR: USCGC Dallas (WHEC-716) 0333 USB wgk MMN w/rdo ck, req RATT frequency. 33C: 0409 USB wgk MMN re is following a vsl w/FLIR (Forward Looking Infrared), req MMN contact harbor patrol, passes loc as 2435N/07715W, app was poss drug smuggler. NMD25: USCG Group Detroit, MI 1658 USB wgk MMN w/radio ck (rare appearance by a Great Lakes Group on HF). NOI: USCG AirSta Detroit, "Detroit Air", Selfridge ANGB, MI 1704 USB clg 6018 no joy. Rescue 2131 USCG HU-25A Falcon Jet 2215 USB wgk MMN re pp Miami Op's, re is overhead a 70 foot vsl w/3 POB (Persons on Board) taking on water. Rescue 1715 USCG HC-130H 2237 USB wgk MMN re req radio guard, airborne w/7 POB enrt to a posn E. of Bermuda on a SAR case. (RB)

5706.5 German ARMY UTC? USB Several stations working each other; callsigns includes: BETREUER, FAVORIT. (GD3)

5713.5 Unid unit UTC? USB wgk IDR (Italian NAVY) (GD3)

5715 7HS UTC? USB wgk DHH78 w/posn reports (Possible German NAVY). Don't have a user for DHH78. (GD3)

5739 LAJES 0548 USB wgk BLACK DAY w/pp was to a 587 number. LAJES came back up and said that this number produced the U.S. Naval Observatory time service. BLACK DAY stated that's what he wanted, and they went into the "U.S Naval Observatory Master Clock" Eastern daylight time hacks.

5800 ARMAMENT 0559 USB worked NIGHTWATCH 01 and exits the net. He entered the net at 0123z. He had a slight problem with the challenge process, & thanked NIGHTWATCH 01 for the night's work. AGREEABLE (or sounds like)1532 USB worked NIGHTWATCH 01. At 2231z, NIGHTWATCH 01 w/26-character EAM. At 2332z DRAGGRACE worked NIGHTWATCH 01, & passed to NW01 something that sounded like TANGO GOLF UNIFORM. At 2238z, NIGHTWATCH 01 w/a 26-character EAM. NW 01 0458 USB w/26-character EAM. // on 4745 & 5800, then asked PUMPSHED to acknowledge his traffic. TRUTHFUL 0153 and NIGHTWATCH 01 called each other, without response. NW 01 2246 USB called FIREDOME. (JH) GULF 210 1831 USB passing sitrep to STONEWALL. GULF 210 1853 USB passing sitrep to STONEWALL (MF2)

5875 NIGHTWATCH 01 2145 USB worked HEADBOARD on self-id'd ZULU 155. No co-channel swbc activity at this time. (JH)

6379 4XZ: IN Haifa, ISR 0444 CW mkr. (BvR)

6382 TBA, TNY Ankara, TUR: 1547 CW v-mkr TBDJ (ANDL)

6385 SXA35, Greek Navy, Pireaus, GRC: 1545 CW mkr: VVV DE SXA/G2G/3G SXA/G/2G/3G A/G K13A/G (ANDL)

6388 EBA, Spanish Navy Madrid, E: 1615 CW mkr: QO DE EBA NAVARA THREE NAVAREA TRE (ANDL)

6467 VTG3, Indian Navy Bombay, IND: 1620 CW mkr: VVV VTG 4/5/6/7 (ANDL)

6470 SXA24, Greek Navy Pireaus, GRC: 1540 CW mkr: VVV DE SXA24 K (ANDL)

6481 TBH3, Turkish Navy Izmir, TUR: 1625 CW mkr: T43B VVV DE TBH3 (ANDL)

6502 TBB6, Turkish Navy Ankara, TUR: 1625 CW mkr: VVV DE TBD6 QAPVVV VVV (ANDL)

6683 SAM "681" is now "682" (somebody goofed?) 0505 USB working Andrews to advise they will be EXECUTIVE-1-FOX Trot status soon. Also worked Andrews for pp to the San Francisco area. SAM 203, 0000 USB DV 2 + 8, working Andrews VIP on primary. SAM 204 0300 USB working Andrews VIP for pps to ROYAL CROWN and SAM COMMAND re: crypto problems. (JH) Andrews 1847 USB performing radio check with SAM 203, also tried F287 & F646 (MF2) EXECUTIVE ONE FOX Trot 0134 wkg Andrews w/pp to Signature Aviation in Minneapolis, E1F eta 2115 local. (MJ) Navy 676 VP-3A Bureau # 149676 2010 USB of CINCLANT wgk Andrews VIP w/pp SAM COMMAND, passes ETA w/DV2 for 3 day stay. (RB)

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SOFABED 2229 USB wkg ANTIQUITY on "CA". (HF)
Neth. Air Force 43 1855 USB w/Croughton. PP to ? Metro. wx for EHEH (Eindhoven) (AB) ANDREWS 0630 USB with a 26/20 character EAM set, at ANDREWS post 0600z h+30 "repeat" EAM transmission time. (JH)
NIGHTWATCH 01 2059 USB worked JUNEDAY. LONGHAND 0530 USB worked NW 01, & entered the net. No other players in the net. Lots of deep qsb on NW01's signal. (JH)
ANDREWS 1812 USB worked SAM 203.
SAM 26000 0510 USB wkg Andrews VIP for Sarajevo wx conditions at 08XXz (lost the last two digits in the QRN). Also checked 11056 & 13247. (JJ)
FDE14, FAF (but where?) F: 1615 CW v-mkr (ANDL)
Architect,G 1200 USB Celebrity broadcast (AB)
QUIRE 63 0935 USB clg "Detail" w/traffic. (AW) SUSPICION 01 2059 USB clg MACDILL "with request", the called MAINSAIL & raised ALBROOK, pp placed to DSN 339 number for BOOMTOWN, w/discussions of use of CHARLIE ALPHA (6691 heard active w/data comms earlier) & "continuity of circuit"; & BOOMTOWN's sending data every 30 minutes. They agreed if no joy on CA, then to use CK or CL (neither known here.) At 0743z SUSPICION pops up on freq; calls BOOMTOWN; & id's freq as CHARLIE LIMA (probable punchup error).
QUOTATION 0054 USB calling MAINSAIL. At 0137z, OFFUTT, as lead GHFS station, w/a 20hcharacter EAM "FOR TACAMO PAC SECONDARY CREW", very unusual. At 0544z, OFFUTT as lead GHFS station, w/20-character EAM "FOR TACAMO PAC SECONDARY" (now less the "crew" part.) Also unusual to have the abncp-type strings over a relatively short period of time. At 0633z, OFFUTT as lead GHFS station, w/131-character EAM (PK56GA...). At 1237z, OFFUTT as lead GHFS station with 20-character EAM "FOR TACAMO PAC PRIMARY", again unusual to have so many of the abncp-type things over such a "short" timespan. QUOTATION 22 0154 USB worked OFFUTT w/pp to TRAVIS weather. HICKAM 0415 USB called PACAF 01. OFFUTT, 1238 USB as lead GHFS station, w/20-character EAM that sounded as "FOR PRINT WHEEL", except that the other GHFS stations in the rotation had it as "FOR BIG WHEEL." However, at 1243z, OFFUTT was back up with a second 20-character string, again sounding like "FOR PRINT WHEEL" and this time the other GHFS stations seemed to send it as "FOR PRINT WHEEL." Strange. D3N 0445 USB called HICKAM GLOBAL, with no response. At 1238z, OFFUTT as lead GHFS station, w/20-character EAM "FOR TACAMO PAC PRIMARY". Of interest, HICKAM and others who echoed this thing sent the string as FOR TACAMO PRIMARY. This dropping of the "Command" has been heard before in this time period. NIGHTWATCH 01 1300 USB (strong; heavy "whine" on his signal) with an EAM string, trailing the GHFS broadcast of same, & simulcasting on 6739 & 8992 ("MACDILL" freqs; & strong on 8992.0 also, with the "whine"). At 1310z, OFFUTT was up w/a 20-character EAM transmission. At the immediate conclusion of the broadcast, the freq lit up for a split second with the distinctive "whine" heard on NIGHTWATCH 01 just minutes before. Must've keyed up for a second. OFFUTT 1238 USB as lead GHFS station, w/20-character EAM "FOR TACAMO CENT SECONDARY." BILLYCLUB 1412 USB called MAINSAIL. AUTOGRAPH 0620 USB called MAINSAIL. OFFUTT 0433 USB as lead GHFS station, with a 20/20/26 character EAM set over an eight minute period. ANDREWS, 1238 USB as lead GHFS station, w/20-character EAM "FOR ICE AGE" (JNULAE...). At 1247z, ANDREWS with 20-character EAM "FOR ICE AGE" (JNQPZQ...). 1230z-1300z was a once, and maybe future, common transmission window for various "FOR.." EAM strings. "Very" unusual to have a "second" active static set for a 20-character EAM string; even more so to have the static series apply to a non-20/26 character EAM set as well. SHUCK 81 0525 USB worked LAJES w/pp to LAJES weather. Missed the beginning of the comm, but after SHUCK 81 said that he "...had a beautiful sunrise", the LAJES opr told him to "have a beautiful day in France." DRAWKNIFE 1520 USB called NIGHTWATCH 01 "on six seven three nine." BLACK DAY 0531 USB called MAINSAIL and raised LAJES (after hearing LAJES with
a brief test count. BLACK DAY requested a discrete frequency to conduct a pp. LAJES first moved them to 11271.0 (CANFORCE/USAF OR freq) At 0548z, they popped back up on 6739.0 and LAJES told BLACK DAY to meet him on "five megs", and they were gone. A punch of the R5000 "down" button dropped the receiver smack on top of both of them on 5739. The pp was to a 587 number. LAJES came back up and said that this number produced the U.S. Naval Observatory time service. BLACK DAY stated that's what he wanted, and they went into the "U.S Naval Observatory Master Clock" Eastern daylight time hacks. LAJES has to redial the number every minute or so as the service automatically disconnects after a set period of time. BLACK DAY was/is willing to put up with it, and they are still at it at 0605z on 5739. (JH) SUSPICION: 0504 USB wkg MacDill GHSF on with pp to BOOMTOWN. SUSPICION advises unable to establish comms, asks BOOMTOWN if they have Tango Bravo Tango Sierra Alpha frequencies CG, CF, CL or CK. BOOMTOWN to check and advise. SUSPICION: 0512 USB wkg. MacDill w/ pp to OPCON. SUSPICION asks OPCON to cntct BOOMTOWN and ask if BOOMTOWN has 985 and 940 off the current ZRR list. SUSPICION then asks OPCON to contact NOTED and adv NOTED to use Charlie Alpha. SUSPICION: 0523 USB wkg MacDill on GHSF with pp to BOOMTOWN (DSN 339-XXXX). SUSPICION asks BOOMTOWN if they cnfm freqs BOOMTOWN advises have CG, CF, CL and CA. HADDOCK 72: USB wkg. Offset GHSF with pp to unid station reg billeting for the night. HADDOCK 72 self id'd as from the 39th Airlift Squadron at Dyess AFB, Texas. Here's one for you callsign collectors! (JW) MacDill GHSF F1, US 0456 USB wkg CLEANCUT for NIGHTWATCH freqs, adv Z115 primary, Z170 secondary. (RB) 6739.5 FGD, FAF Bordeaux, F: 1605 CW v-mkr (ANDL) 6739.8 Unid station 0542 USB probably GHSF ground station) with short test count, maybe zero'd on the apparent center freq of the then active "whale"-sound artifact. (JH) 6751 UNID 2308 USB clg "HUSKER 25 on HF." No joy. (JJ) 6757 NIGHTCAP 0513 USB called NIGHTWATCH 01, raising same at 0516z. TRUTHFUL 0148 USB worked NW 01. At 0152z, TRUTHFUL called NW 01, but NW 01 responded as if he were OVERFLOW. At 0201z TRUTHFUL worked OVERFLOW, & enters the net through OVERFLOW. At 0302z, OVERFLOW worked PRESTLEY (or sounds like.) At 0454z, MAGNAVOX w/26-character EAM, simulcasting on 3143 & 6757, & apparently not hearing NW 01 w/the same string at same time on 4745. At 0538z, TRUTHFUL w/26-character EAM, not heard simulcast on any other freq. HIGHTIDE 0057 worked NW 01. NW 01 1609 announced that he was going monitor only at 1635z "due to maintenance". At 1800z, NW 01 w/a 26-character EAM (4T2QY5...). NW 01 0250 USB called MUDBUG (but heard by others as MUDDUCK.) Also, SHAMROCK (usually pronounced SHAMRACK) worked NW 01 & entered the net. At 0645z, SHAMROCK called & raised NW 01, but could not understand NW01. At NW01's request to move to ZULU 130, SHAMROCK moved to ZULU 175. At 0704z, NW 01 worked SHAMROCK. At 0709z, SHAMROCK w/a 26-character EAM. (JH) ALLSTATE 0431 USB clg NIGHTWATCH 01 on "Z-165", no joy. (RB) 6758 MKL, RAF Pitreavie, G: 1605 CW v-mkr (ANDL) 6761 QUID 37 2027 USB wkg SNOOP 55, still on the ground Mildenhall will not make the 21:00 C/P. SNOOP 55 2027 USB In holding orbit West of Benbecular, waiting for A/R w/ Quid 37. BLUE 81 1320 USB C1g Blue 82 no reply. Blue 21 1004 USB Wkg Blue 22, a/c is repaired, airborne in a few mins. ETA 10W 12:20 for R/V. (ANUK) QUID 84 1530 USB clg REACH V5. no joy. (Heard on 312.450 (SAC ops EGUN) QUID 84 wkg Banter control. Reg update on next receiver; REACH V7. Trying to raise them on 6761.) REACH V5: +1617 USB w/ QUID 84 a-a. were slowing down but cld not do anything w/strong winds. will be abt 20 mins early. QUID said they would be early also. Both arranged IP at 1727z, CP at 1735z at 3851N 9.56E. chg to AAR prim. (CH) GASER 12 0515 USB worked RAID 48, possible posn was passed that would put them over the eastern Atlantic. These comms were followed immediately by B308 (B--- sounded sort of like "boone" or "boom" more than maybe BONE or DOOM). ANDREWS 1739 USB worked SAM 203. At 1735z/-, SAM 203 worked AIR FORCE ONE. At 1804z, ANDVT comms, followed at 1806z w/ ANDREWS clg SAM 203. (JH) HAWK 87 0401 USB enrt to Dyess AFB w RAYMOND 37 for 0600z Dyess wx. HAWK 87 reported his current posn as "near Dalhart Texas." RAYMOND 37 said he was usually up on
9025 during the day. EXECUTIVE 1 FOXTROT, Ided as a C-9, 0100 USB ent to Los Angeles (LAX) wkg Andrews VIP for a check on Nationwide UHF freqs. ETA LAX is 0200z Operator said he'd be up on 131.6 VHF when they get closer to LAX. (JJ) NIGHTWATCH 01: 1440 USB wkg Andrews, advising airborne at 1409. Andrews: 1442 USB clg SPAR 19 w/sig checks and test count. Unable to determine if SPAR 19 (CINC-CENTCOM aircraft) responded due to heavy local interference. (JW) AIR FORCE 1 1850 USB clg Andrews "in the clear", later ANDVT comms hrd here. (RB)

6779 DRAH: FGS Brandenburg (F-215) 0036 USB wkg DHJ59 w/RTTY coordination tfc. DHJ59: Wilhelmshaven Naval, 2150 USB Germany wkg unid German Navy vsl "DRHB" (not the decomm/stricken Hermes) w/RTTY coordination tfc. (RB)

6812 TEASER: USN Aegis Test/Training Site wallsips Island 2330 USB w/ possible tracking net involving a/c 284 & 283. (CM)

6825 FAV22, FA Mont-Valeren, F: 1440 CW v-mkr: VVV DE FAV22 QLH 3881/6825 KHZ, 1444z: start of CW lessons by machine, start w/header: LECON 12-1/1 VITESSE 600 CODE, LECON = Lesson in FF, 5LGs, also header: LECON 17-1/2 VITESSE 420 CLAIR followed by open FF text, next: LECON 11-1/3 VITESSE 420 CODE and 5 ltr grps. hrd daily over weeks, // 3881 KHZ (ANDL)

6830 EXECUTIVE 1 FOXTROT USB wkg Andrews VIP w/pp traffic. Reported: Departed Dallas 0210z. ETA home station 0445z. Andrews VIP 0142 USB wkg SAM 28000 and SAM 403 in clear-voice and then into ANDVT for signal chks on this AF-1 primary frequency. 9320 is the secondary. 8032 has also been checked for possible later use. Andrews VIP 0142 USB wkg SAM 28000 and SAM 403 in clear-voice and then into ANDVT for signal chks on this AF-1 primary frequency. (JJ) Andrews 1833 USB wkg pp for SAM 201 to DNS#968-2831/-2854 (MacDill meteo) (201 was ent to MTTP-Port-au-Prince, HAITI). Andrews 1848 USB wkg pp for SAM 201, then QSY to F211 (MF2)

6837.5 CZU - UNID: 1343 USB sx EE w/HBJ, military ? mid EU (Dutch?) accent, ment: (Boring?) Operation/Teams, received pictures fm ABF, given callsign/area assignments fr 3 units: ABF area Roxette, HBJ area (Dillen?), K2B area (Djosee?), item-styl-msg w/posns/etc., 1346z w/LBH (FF accent) abt medical supply, boarding passengers, ships documents, s/off w/: LBJ out, 1351z w/TRE ment: seems to be a Greek vessel, 1454z w/LBH (FF acc.): terminate your exercise. CZU act as net-control, 1525z AGF w/TRE, 1536z K2B w/CZU w/ship info. (ANDL)

6844.5 FDC, FAF Metz, F: 1615 CW v-mkr (ANDL)

6875 FDI8, FAF (Aix ??), F: 0940 CW v-mkr (ANDL)

6936 RMP, Russian Navy Kaliningrad, URS: 1645 CW "REO REO de RMP RMP QTC 524 6622 2T15 524 = Klajpeda Radio prp nomer 79 podhodk portu ...", wx rpts ?, hrdc often at this time, who/what is REO ? (ANDL)

6966 FDI22, FAF (Qth: Aix??), F: 1535 CW v-mkr (ANDL)


6970 1-JULIET 0514 USB wkg 6-GOLF for KL-43 data transmission. 6-BRAVO is also wkg the net in clear-voice, also at 0541. (JJ)

6993 SAM 300 0100 USB wkg Andrews VIP. ETA home station 0300z. (JJ)

7325 Andrews VIP 0355 USB checking PACCOM 01 for a new frequency from previous 8026.0 (No joy.) (JJ)

7535 NORFOLK SESEF 1834 USB conducting xmitter tests w/USN CLARK. NORFOLK SESEF 1820 USB conducting HF radio tests w/ the USS Oakhill. NORFOLK SESEF 2028 USB conducting HF radio tests w/ the USS Oakhill (transmitter #9). NORFOLK SESEF 1757 USB wkg radio problem w/the Manongahella(?sp). NORFOLK SESEF 1826 USB conducting HF radio tests w/GUNSLINGER (MF2) (USS Clark is FFG-11, NJJC; USS Oak Hill LSD-51 is recently commissioned, c/s unk, and served as command ship for awhile for the TWA Flight 800 Op's; USS Monongahela AO-178, NHYC -LOGS) NORFOLK SESEF 1845 USB wkg radio tests w/Navy New London (Groton CT??) (MK) (probably NUSC New London, Navy Underwater Sound Center -LOGS) NOTC: USS Caron (DD-970) 1410 USB w/HF testing. NOTH: USS Halcyon (FFG-40) 1451 USB w/texts of xmitter #7, req for TACAN testing. NHTE: USS Elrod (FFG-55) 1505 USB w/test of ships URT-23D HF transmitters, ship was 34 miles NW of Cape Henry, Va. GUNSLINGER Unid 1520 USB wkg SESEF w/HF testing, this is the 3rd time in 2 months this callword has been logged, app a static ship callword. NACK: USS
Concord (AFS-5) 1630 USB clg SESEF Norfolk, no joy. NRLC: USS Conolly (DD-979) 1747 USB w/HF testing of all HF xmitters. (RB)

7536.5 HOPPER 83 and HOPPER 10 1930 USB wkg AC4 -- Hopper 10 stated he had 13 souls on board and had eta of 1900 (must be local time) (MK) HOPPER 69 U.S. Navy (LCAC-69) 1625 USB wkg AC4, Assault Craft Unit 4, Little Creek, Va, re HOPPER 46 (LCAC-46) is investigating a casualty. This was probable exercise tfc as logged over ten LCAC's in short period of time reporting status's to AC4. (RB)

7690 9-TANGO 1835 USB passing "Marine Sum Log Report" to 1-ECHO. 9-T had originally wanted to send the list via KLh43, but "the KL-43 will be down for the remainder of the mission." The log passed went something like this: Line 02: Marine Officers 10, Line 03: Marine Enlisted 89, Line 04: Navy Officers 03, Line 05: Navy Enlisted 05, Line 06: MREs (cases) 47, Line 07: Water (gallons) 300, Line 08: Fuel (gallons) 650. Misc: Added personnel Officer (missed the rank) Wilson Misc: INDIA & KILO batteries are in the rear. 9-TANGO said he'd be up on this freq all day and something about mail delivery at Camp Pendleton. (JJ)

7693 NIGHTWATCH 01 0015 USB wkg Andrews AFB for signal chks. on "Primary" F-264 in clear-voice and ANDVT comms. Secondary freq. F-646 (13440). (JJ)

7831 HIGHTIDE 0051 USB worked NICB for data comms. NW 01 2243 USB called BELTTIGHT, but raised FIREDOME. (JH)

8032 SAM 31681 1834 USB signal chks though Andrews VIP. SAM 203, 2350 USB DV 0, w/ pp through Andrews VIP to SAM Command. ETA home station 0305z. (JJ)

8040 VENUS 77 on approach 10 minutes from McChord AFB wkg Andrews VIP for preflight freqs. for 130025z: Fh117, Fh752, and Fh365. Previously they worked 11220.0, 11214.0 (USB & LSB) & 11460. CASEY 01, KC135, 1755 USB DV 2 + 10, destination Travis AFB, ETA 2055z, wkg Andrews VIP Base Ops. Passed some "AFM & AFRTS" (? frequencies: 6086.0, 9595.0, 15225.0, 15280.0, 15315.0, 15330.0, 15410.0, 15430.0, 17765.0, 17820.0, 21690.0 (JJ)

8122 VLRD: HMAS Townsville (Royal Australian Navy patrol vsl) 1414 USB tcf for Darwin Control. (AB2) Darwin control 0645 USB clg HMAS "Warnambool". (AW) VMT Townsville: 0657:USB: Clg Darwin Control. (IB) Misc Aussie naval traffic.: 0800-0900 USB Darwin Control was wkg "58 Golf". (RA) HMAS Protector 0919 USB wkg Canberra Control w/an attempt to pass traffic. Talk of going to 3MHz, 4MHz, and Alpha 5, kept returning to 8 megs. (PB) VLRH: HMAS Bendigo (PTF-211) 0609 USB wkg Canberra w/immediate msg tcf. (RB)

8240 NLCB: USCGC Forward: 2125: USB: Wkg NNM, QSY> 12242.0 (IB) NRPJ: USCGC Laurel (WLB-291) 1700 USB wkg CommSta New Orleans, NMG, w/pp to CG command. (RB)

8335 UNID: 0307 USB ANDVT comms. Again, one station "booming" the other weak and barely readable. (EA)

8437 4XZ: Haifa, Israel 2355 CW marker then coded traffic. (BDS)

8490 AQP5: Pakistan Navy Karachi 1914 CW "vvv de AQP2/4/5/6" //6390 (PB)

8505 TB03: Turkish Navy Izmir 0756 CW "vvv de TB03" (PB)

8551 CTP: NATO Lisbon Portugal CW w/ ID marker..(PT)

8555 TBB7: Turkish Navy Ankara 0830 CW "vvv TBBJ de TBB5/7" (PB)

8646 VTP6: Vishakhapatnam Naval, India 2015 CW "VVV VTP4/5/6". (JH)

8764 NNM: CAMSLANT Chesapeake 2011 USB wkg 'T61' - weak on 8240 kHz. (IB)
WUNhv02

8968 KANTO-36 0349 USB wkg Anderson Global w/pp to Kadena CP & Meteo. SAM 204 1047 USB trying to reach Andrews. Advises UI sta they are switching to 731 primary for radio check. After trying to go back & forth w/Andrews (they kept missing each other) finally had good comm's on 6.683 USB advising 204 will remain on this freq as primary. UNID: Andrews?? 1615 USB w/ 66 character EAM. Thought that was odd as not sure if I've ever heard Andrews initiate or repeat EAM. Also don't think I've ever seen 66 as one of the "usual's" (i.e. 20 or 26). Station was loud and clear here so probably using Hickam ground station as relay. (EA) REALM 10 0015 USB wkg Lajes GHFS w/pp, no answer. (HF) NIGHTWATCH 01 0356 USB worked HICKAM w/a quick pp to RAYMOND 21 (these "RAYMOND 21" connectivity check pp's are suddenly noticeable over the past week.) (JH) REACH 8086: C-141 1053 USB wkg Lajes for pp Ramstein CP, ETA Ramstein 1330, Maint Status A1. pp Ramstein Metro landing wx 1300. PiRep, CI41 5202N 01803W FL370 250/85 -43 Neg Turb/Ice. (JS) REACH 0011 2136 USB clg Lajes no joy. REACH 2641: 2136 USB wkg Lajes no answer. REALM 0011: 2139 USB wkg Lajes pp Charleston. REALM 0011: 2139 USB wkg Lajes pp DSN 923-XXXX no answer. ROME 12: 2353 USB wkg Lajes pp unk ground party DSN928-XXXX advised to try direct on 314.4. COPPER 1: 1143 USB clg any radio USB wkg Andrews no joy. TRION: 1349 USB clg MAINSAIL w/ Andrews answer for rdo ck loud USB wkg clear. (KW2) PASTRAMI 04/45 USB clg OFFUTT req prim & sec wkg freqs for NW 01, unable to copy the reply. (LCB) CARDFILE 712 1849 USB clg MAINSAIL for a radio check. Offset 2114 USB wkg PP for BANDSAW HOTEL to DNS#884-7313 (RAYMOND 24). Offset 2130 USB wkg PP for BANDSAY HOTEL to DNS#884-4104 (PHOENIX ONE) BANDHALD HOTEL was returning orbit & returning to Tinker,AFB if radar problem could not be fixed in 15 minutes. (MF2) Offset: 1827 USB wkg REACH 0022 w/pp to Travis CP w/E & PIREP (Mw) NAVY VY090: Navy C-9B Skytrain 0314 USB of Fleet Logistic Support Wing VR-59, "Lonestar Express" at NAS Dallas, TX, wkg Thule GHFS w/pp Hickam CP, passes ETA of 0607z. TEX: KC-135 of 917th ARS? 0319 USB wkg Thule GHFS w/pp RAYMOND 37, then req 28th Bomber Squadron scheduling re correct time for IR-177, was advised they would be contacted on 6761. FRISCO 45: 0326 USB wkg Hickam GHFS w/pp Travis AFB CP re AR (aerial refueling) times, ETA Travis. NAVY JS266: Navy C-9B Skytrain 1548 USB of Fleet Logistic Support Wing VR-46, "Peach Airlines", at NAS Atlanta, Ga, clg Hickam GHFS for seq mins, no joy. HUSKR 55: KC-135R 155 ARM/173ARS 1620 USB Lincoln Muni Apt, Ne, wkg Lajes GHFS w/pp HUSKER CONTROL at 946-DSN, adv are over Toronto, CAN and were adv by Toronto ATC to call, CTL had no tcf for them. LINE 59: unid 1624 USB wkg Andy w/pp Dover base op's. (RB)

8971 720 1620 USB wkg N5G passing "line" data. (HF) SCREWTOP-02 2213 USB wkg BLUE STAR req wkg freqs for SALTY DOG. Reply'd back w/ "I was briefed SALTY DOG Freq - 2.1" Also YSA wkg AZY w/"op's normal" SAA wkg AZY w/"we have huy w/"op's normal" Reply'd back w/ "yes" used lot recently on the COTHEN network. I suspect this is JTF Anti Drug OPS. SCREWTOP-01 2232 wkg BLUE STAR req pick up "papa uniform" & "SCREWTOP is wkg to the west, request maintain papa uniform eight plus two six" Then ST-01 clg M7E. At 2301 BLUE STAR wkg "751" ref unable to use satcom, homeplate advises 752 to contact 750 to relay operations. Then LASER-754 wkg unid w/toubles using ANDVT comms. 754 then worked BLUE STAR in the green, and then "switch datalink to 4 megs" At 2321 FSP clg S43G. GOLF 2317 USB clg VICTOR ZULU ref "Call APLHA SIERRA 403". (LCB) (SCREWTOP's are E-2C's from VAW-123 "Screwtops" out of NAS Norfolk, Va -LOGS) UNIFORM 9 HOTEL 1845 USB clg CARDFILE for a radio check. 3 NOVEMBER FOXTROT 1830 USB requests FIGHTING TIGERS 730 to RTB per GOLDENHAWKS request. TRIDENT 08 1834 USB passing posn report to GIANT. TRIDENT 08 1839 USB passing ALPHA report to DELTA. 3 BRAVO KILO 1917 USB passing posn report to SCREWTOP 01 (Any Familiar w/"the "101 Net"?). Trident 03 1922 USB passing posn report to SCREWTOP 01. CARDFILE 1819 USB clg QUEBEC 5 WHISKY, no joy. BLUESTAR 2145 USB reporting negative contact w/ UNID to FALCON 1. QUEBEC 4 TANGO 1827 USB req SCREWTOP 03 to change his callsign to SCREWTOP 02. RAFAEL 123 1831 USB clg 6 UNIFORM CHARLIE, no joy. SCREWTOP 01 1835 USB req radio ck & status from SCREWTOP 02. SCREWTOP 01 1837 USB was also looking for FALCON 1. SCREWTOP 02 1838 USB reports no joy in the green to QUEBEC 4 TANGO (Surface ship).
RAFAEL 1841 USB passing ops posn to GOLDENHAWK. (MF2) SCREWTOP 02: E-2C of VAW123 "Screwtops", NAS Norfolk, Va 0223 USB wkg GULF w/ link-11 coordination comms, kicking to D30. (RB)

STINGRAY 35: US Customs A/C 0220 USB clg SKYWATCH. (DW2) (off freq from 8971 probably -LOGS)

Airforce 2 0647 USB requesting selcal check. (AW) KIWI-874: 0707 USB NZ Air Force a/c wkg AF Sydney. AF Townsville 0702 USB wkg AF Sydney w/R/Checks. (IB)

CG 2112 2002 USB passing ETA to CAMSLANT CHESAPEAKE, heavy QRM from 8980. CHARLIE 5 BRAVO 2012 USB passing message to CAMSLANT. ZULU NINER INDIA 1751 USB reporting to CAMSLANT that they are ent into Gitmo. CAMSLANT Chesapeake 1844 USB securing guard for CG2113, CAMSLANT req standard flight ops. PAPA PAPA 64 1955 USB reporting to CAMSLANT that they are on final into HOMEPLATE. (MF2) RESCUE 1503: USCG HCh130 1717 USB wkg NMN, CAMSLANT Chesapeake w/pp Lant Area re conducting an expanded square search, is to search area C4, unid SAR tfc. (RB)

TROUT 99 0345 USB wkg Andrews VIP. (JJ)

TEAL 57: 2116 USB wkg MacDill pp ops matters. AGAR 32: 2117 USB wkg MacDill various pp's to base finance metro USB wkg "det?" -- ent to San Juan PR area. Navy COD 35: 2150 USB wkg MacDill pp com tel# ent VA Beach VA area arrival 1 hr. (COD also stands for Carrier On-Board Delivery which makes this a probable C-2A Grayhound -LOGS) 450: 2331 USB wkg MacDill pp metro regarding Howard wx. RAZOR 22: 2331 USB wkg MacDill pp Raymond 19 ops matters. TEAL 77: 2350 USB wkg MacDill pp ops matters. NAVY CW000: 2350 USB wkg MacDill pp DSN493-XXXX req to keep flt line open for their arrival. (a C-130T of VR-54 "Revelers" USNR at NAS New Orleans -LOGS) MacDill: 1307 USB EAM 26 character group "EISHH". TRION: 1308 USB EAM same as MacDill. NIGHTWATCH: 1310 USB clg MacDill no joy. (KW2) MacDill 1932 USB wkg pp for STANLEY 21 to Howard meteo. MacDill 1818 USB wkg pp for HUSKR 54 to DSN#731-6262 (this was probably HUSKR 54, see 8968 log for ID -LOGS) MacDill 1919 USB wkg pp for NAVY PAPA TANGO 34 to DSN#476-2312/2319 (MF2) (the DSN is NAS Brunswick, but no 'PT' tail codes there we know of -ID? -LOGS) NIGHTHAWK 31: USMC Executive Flight, HMX-1, Detachment 1 helo, MCB Quantico, Va or Det.1 Anacostia, DC 1928 USB wkg MacDill Global w/pp "NIGHTHAWK BASE" (MCB Quantico) & pases ETA. (RB)

NATO Mil 1729 Link-11 tfc (MC)

NOVEMBERh9 2358 USB wkg HABITAT (NAS Whidbey Island) for msg relay from ALPHAh9. N-9 wants to know the temp at 650' and the primary CZ freq i.e., is it one or two? FOXTROT-6 and others are also up on this freq.

O-LIMA 2301 USB wkg 0-MIKE for a radio check. 0-M then advised that the "Net" will be down for 20 min. (JJ)

MAGIC CARPET 2215 USB wkg XRAY-ONE-Hotel w/ "ALLIGATOR" traffic. MAGIC CARPET passed 308.5 UHF freq. (JJ)

SIDECAR 1729 USB wkg unknown station (missed id). SIDECAR 0033 USB worked TRENTO MILITARY for a signal check, then called a trigraph w/ no response. (JH) SIDECAR 1643 USB working MAGIC 71 (Nato E-3) talking about playground freqs (MK)

COBRA 12 1557 USB called and raised RAYMOND 07, and placed a pp to WHITEMAN CP. COBRA 12 adv WHITEMAN CP that COBRA 12 would conduct an overflight of WHITEMAN at 1915z, & confirmed to WHITEMAN that COBRA 12 was an OPEN SKIES aircraft using callsign COBRA 12. (Open Skies Treaty activity.) At 1843z, MIGHTY 08 (unk aircraft type) worked RAYMOND 07 w/pp to RAYMOND 06, re battery info to be passed to CHARLIE TWO. (JH) TURBO 22 9014 USB called and raised RAYMOND 07, but did not hear RAYMOND 07's response. TURBO 22 had been on 11175 at 1632z. SENTRY 61 1653 USB worked RAYMOND 07 w/pp to ? (missed the beginning, but it was a person known to the officer on 61). TEMPO 84 1819 USB worked RAYMOND 07 w/pp to a DSN 720 number id'd as TEMPO CONTROL. (JH)

ANTIQUITY 2225 USB wkg SOFABED, QSY to "Charlie Alpha". TESTFLIGHT 1445 USB wkg SANDHILL & TEAMWORK. (HF) NIGHTWATCH 01 1355 USB w/ 26-character EAM, and clg SULPHATE. At 1409z, NW 01 worked SULPHATE in voice & data, & then worked STREAMER. At 1530z, MACDILL worked
STREAMER, & went into data transmissions at 1532z. At 1537z, STREAMER transmitted a 26hcharacter EAM, simulcast on 6739 & 11244.

Prior to this, NIGHTWATCH had been the net EAM broadcaster for many hours, all trailing the GHFS. Now, STREAMER transmitted the strings, all preceding the GHFS. At 1542z, NIGHTWATCH had been the net EAM broadcaster for many hours, all trailing the GHFS. Now, STREAMER transmitted the strings, all preceding the GHFS. At 1648z, MCCLELLAN worked STREAMER in voice & data. AUTOGRAPH 2019 USB worked NW 01. MCCLELLAN 1538 USB worked GROUP 99. MCCLELLAN put GROUP 99 through the challenge process before & after MCCLELLAN placed a pp for GROUP 99 (to what sounded like RAYMOND ONE or RAYMOND ONE TWO). OVERFLOW 1721 USB (female opr) worked MACDILL, then moved MACDILL to 11494.0 for voice and data work (unusual freq for MACDILL.) HEADGEAR 1437 USB called and raised NW 01 & also raised MCCLELLAN (who had been tuning up on freq). After being flustered for a moment, HEADGEAR took the opportunity to get MCCLELLAN to confirm NW 01 wkg freqs (Z175/Z190.) MCCLELLAN took awhile to come back to HEADGEAR (I suspect he was chatting w/ NW01 opr re the days business), & when he did return, MCCLELLAN immediately moved himself to 11181 to get away from the net. At 1448z, GEODETIC worked BACKPAGE and enters BACKPAGE into the net. At 1452z, HEADGEAR finally raised NW 01, and entered the net. HEADBOARD, & about 3 other stations, said to be in the net also. At 1536z, HEADGEAR asked if "...you want to use DELTA MIKES or KILO CHARLIES" (maybe possessive case; if so, who?) At 1542z HEADGEAR asked if "...you want to use DELTA MIKES or KILO CHARLIES" (maybe possessive case; if so, who?) At 1542z, SERENADE & asked SERENADE if "...you want to use DELTA MIKES or KILO CHARLIES" (maybe possessive case; if so, who?) At 1542z, SERENADE & asked SERENADE if "...you want to use DELTA MIKES or KILO CHARLIES" (maybe possessive case; if so, who?)
"(I have traffic.)" At 1704z, POPULATE (male opr here; female on 11181/11229) responds to MCCLELLAN, and MCCLELLAN goes immediately into data comms. (JH) PACAF 01 0110 USB pp through Hickam Global to "ARCTIC WARRIOR" (Elmendorf Command). PACAF 01 0135 USB pp through Hickam Global to PACAF Command, callsign: "FOOD STORE" (or something like that) DSN 488-8500 (J3) SPIRITUAL: 2322 USB clg NIGHTWATCH no joy moved to Z185 (9809). (KW2) NW 01 wkg WAR 46 w/ signal checks & pp to 271-xxxx, Raymond 21. NW states he has departed Offutt at 1700z, enrt to Wright-Patterson, ETA 2000z. Lots of chatter & some data today. (MG) ALLSTATE 0432 USB clg NW 01 on "Z-175", no joy, shows up on 11175 a few mins later wkg Hickam w/pp to NW 01 to confirm wkg frequencies. NIGHTWATCH 02 2018 USB wkg NW 01 for signal checks. (RB)

9017 ANDREWS 1918 called SAM 681. (JH)

9018 GOTH 12 2233 USB clg GOTH 11. Same at 2315z. Back up again at around 2345z+-, w/ remark that he would see him on the ground (in the blind - eta at "2400."). PATCH 16 (or sounds like PATCH) clg __11 (could not make it out.). (JH)

9023 OKIE SAM 1611 USB worked DARKSTAR MIKE (w/ "chopped up" audio) DRAGNET SIERRA 1959 USB worked DEERHUNTER. At 2032z, CHALICE BRAVO worked DEERHUNTER. At 2009z, DRAGNET SIERRA "MCC" (maybe SENTRY 60) wkg EAGLE CONTROL, and asking about EAGLE 3 & CURRENT OPS. At 2012z, "CHALICE" worked DEERHUNTER, and stated he was waiting for BIGFOOT. BANDSAW GOLF called OKIE SAM. DRAGNET SIERRA 1356 USB called OKIE SAM. (JH) WINI-18 1718 USB clg PROJECTOR on "9 upper". Also BANDSAW INDIA ref freq "Delta 4" OKIE SAM also at 1725z ref a 5% error rate on the datalink. DARKSTAR MIKE clg BANDSAW INDIA at 1732z. (LCB) BIGFOOT: Unid USB wkg unid re tracking of multiple bogies at 420 kts, 33000 feet, apx qth: 35N/94W. (RA) (BIGFOOT is NORAD 25th Air Defense Region sector McChord AFB, WA hLOGS) BLUECRAB: Unid NORAD 0059 USB wkg DEERHUNTER w/ANDVT ck, no good. OKIE SAM: NORAD SE Sector Op’s Center at Tyndal AFB, FL 1518 USB wkg DARKSTAR MIKE (E-3 AWACS) w/coordination traffic. DARKSTAR NOVEMBER: (E-3 AWACS) 1519 USB clg Trenton Military, no joy. BANDSAW GULF: E-3 AWACS 1529 USB wkg DEERHUNTER, reports take off time of 1433, gets squawk code & net briefing prior to entering the net. DRAGNET SIERRA: E-3 AWACS 1533 USB wkg NORTHERN LIGHTS re DRAGNET NOVEMBER att to enter the net. DRAGNET TANGO: E-3 AWACS 1634 USB wkg BANDSAW GULF w/NORAD training comms. CZJV: HMCS Terra Nova 1650 USB (DD-259) Canadian destroyer, wkg DRAGNET TANGO re will be off the circuit for about 30 mins. BANDSAW HOTEL: E-3 AWACS 1705 USB wkg OKIE SAM w/new contact report. NORTHERN LIGHTS: NORAD Station 1834 USB wkg DARKSTAR NOVEMBER re civilian emergency at 3745N/07919W, track 2152 at 9000 ft, 278 kts, mode 3....exercise? 6MZ: 2241 USB clg SIDECAR, then 'any station', no joy here. (RB) ALF 6132 1618 USB Architect, pp Aeromed tasking on route Brussels ETA 2220. Rafair 15L2 1123 USB (Nimrod ) Architect w/pp to Kinloss Ops. on the ground Lajes departing 1200 enrt Puerto Rico ETA 1800. Ascot 9432 1442 USB Architect, pp Ascot Ops. change of intentions now routing Coningsby ETA 16:45. (ANUK) ALF6128 1104 USB wkg Architect. Req wx, but not workable, will call later. IFN88: Tristar ZE704 1157 USB wkg Architect. Requesting wx for Ancona, asked to stand-by. SELCAL watch LMBJ. (JS) D9B 0402 USB wkg X3W, E3W & S6J, some unit said the 'thrill' has been secured. (HF)

9057 NIGHTWATCH 01 1448 USB worked PIPESTEM; PIPESTEM worked URGENT. weak EAM activity 1749 USB (probably NW 01) w/long weak EAM string, that turned out to belong to the 5K... static series, but not heard by me from the GHFS stations. It was sent to REITERATE. At 2043z, NW 01...
called REITERATE, & adv REITERATE that ROMAN LAD had checked into the net a few minutes earlier on Z205 (11494). (JH)

Andrews VIP 2357 USB clg SAM 681 w/ no luck. Andrews VIP 1835 LSB setting up AF-1 comm freq w/ SAM 28000. Clear-voice and ANDVT commss. (JJ)

COWBOY 0105 USB wkg STRIDER for KL-43 data traffic. So far they've had no luck getting the thing to work. (JJ)

DELTA 31 0308 USB clg BIGSKY for a radio chk. No joy. DELTA 31 (in the blind) "Going to UHF." (JJ)

SAM 28000, 2150 USB on the ground at MOFFETT, wkg Andrews VIP w/ signal cks. Also heard on 8058.0 (probably F-054, but not yet confirmed here) and 6986.0. Then at 2206z, from 6986.0, moved to F-476......not found here. NIGHTWATCH 01, 2245 USB after many calls, contacts Andrews AFB regarding data commss on this freq: TEh205, 75bd. async. (JJ)

UNID "48"... "standing-by this freq." 1845 USB. (JJ)

4XZ: INy Haifa (ISR) 1235/0020z CW vhmkr, 1445/1545z 5LG's after header, e.g.: "= NR 246 KRV MB9C 517122 BU3R GR 55==", end w/same phrase and "==AR AR", then v-mkr at 1549z (ANDL)

BROADSWORD 2304 USB wkg CROSSBOW-8, "we'll be standing by on this frequency...out." (JJ)

BROADSWORD (maybe off freq., see 10199.0) 2234 USB clg CROSSBOW-7. No joy. Before signing off BROADSWORD said (in the blind), "Forwarding (sounded like) to CHARLIE-OSCAR-ECHO-INDIA." (JJ)

ANDREWS 1610 USB worked SAM 201, and discussed use of "six" and "13" (presumably freq ranges.) (JH)

NIGHTWATCH 01 1658 USB worked ABANDON, who passed to NW 01 an EAM string first heard at 1610z on the GHFS. At completion of string, NW 01 acknowledged his traffic, and then complained of the propagation conditions. At 1615z, NW 01 worked QUART JAR, and passed wkg freqs of Z190/Z175/Z215. NW 01 1617 USB worked a barely heard TRILLION (sounds like ZULU 300. HIGHTIDE 0056 worked NW 01. Still active at 0121z++. PIPESTEM 1449 USB worked NW 01. (JH)

SAM 27000 2333 USB wkg ANDVT commss w/ Andrews VIP. (JJ)

ALE pulses strong (20db over Sh9) and regular 2100 USB. (JJ)

OVC: Danish Navy Groennedal, GRL 1236 CW 39.5wpm "vvv OVC 25/51/76/82/10 mhz" (PB)

Cape Radio 1950 USB qso base 99 fuel berthing reqs shift = freq to 7.833 usb commss scrambled the rest of the day. (RT2)

FDI0: French Air Force, Nice 1540 CW, "vvv vvv vvv de fdi0 vc" marker (MC)

K9X 2235 USB clg N5C, 9BQ, and "any station this net", possible USN Tactical Coordination OP's? (LCB)

ANDVT commss. 2234 USB. (JJ)

SAM 206 1330 USB wkg Andrews VIP on F354. (AD2) SAM 202 1957 USB wkg Andrews VIP for pp to Sherman Base Ops: DSN 552-6041 & DSN 552-2396. Two DV and six PAX. ETA Sherman: 2200z. GHOST (no number given) 2245 USB wkg unid for msg. relay to party at a UK phone number and gone. Also heard a third unid player involved w/ these commss. Overall, these commss had a tactical sound to them (very terse). (JJ)

Andrews 1851 USB wkg PP for SAM 201 DNS#564-4063 ext 6493/6494 (Gitmo meteo). Andrews 1855 USB requests QSY to F311. (MF2)

UNIFORM-5-NOVEMBER 0122 USB wkg DELTA-2-ECHO, and others, "in the clear" and ANDVT commss. ECHO-2-TANGO 0012 USB wkg PAPA-6-OSCAR setting up SATCOM, "Your antenna should be pointed at 253 degrees." (JJ)

SAM 206 1547 USB wkg Croughton after QSY from 11175 w/pp to American Embassy, Dar-Es-Salaam, Tanzania. Other phone patches until 1644. (ANUK)

AIR FORCE 2 2316 USB wkg Andrews VIP for a signal chk. SAM 203 2255 USB wkg Andrews VIP for pp traffic. (JJ)

Andrees VIP 1835 USB wkg SAM 201 on F-919 w/ signal checks. ETA at (7) is 1925z (JJ)

REACH V7 1827 USB w/Ascension, pp to Aviano Metro wx for 0000 (C-5 a/c Tail No. 84-00060). Reach 45V3 1844 USB Incirlik pp to Rota command post, KC-10 aircraft AI, inbound from Lajes. Reach 2G5 1335
USB Croughton w/pp to Rota AMCC and Metro, ETA blocks 14:55 A1 status, 75 pax (Tail No. -0019). Navy LF16A 1548 USB Incirlik w/pp to Sigonella Base ops. Reach V5 2018 w/pp Norfolk Metro wx for 2300. Navy 50496 1252 USB Wkg Croughton ETA Northolt 15:30 also req pp. Murky 1439 USB Clg Mainsail many times, no reply. U-?? Reach 0800 USB Coughton, w/pp to Dover command post, ETA Dover 01:15 349th ARW. (ANUK) ROLLER 05: C-130 ANG 152nd AW Reno NV 2302 USB w/Ascension Radio, req pp to DSN 800-xxxx Reno Ops re crew member logged 9 hrs. & to pass it on to crew scheduling. Also 1 hr out from base & will not be landing at McClellan. SOONER 14: C-130 2312 USB clg Offutt Radio. No contact then Mainsail any station. Ascension radio answered. p/p to DSN 440-xxxx (McGuire AFB, NJ) request ppr # for 0500z arrival from Base ops. ppr # WRI 30-04 point of departure LRD. GASAER 91: MC-130P 9th SOS Eglin AFB FL 0027 USB w/Ascension Radio p/p to DSN 872-xxxx. Eglin wx for updated wx forecast especially forecasted thunderstorms in area. HAWK 90: B-1b 7th BW Dyess AFB 2326 USB clg MAINSAIL. Andrews answered and HAWK 90 reported Ops Normal. TU-- 02: (missed the complete spelling of c/s) 2341 USB w/ Ascension Radio p/p to 34th Bomb Sq. Reported both ships completed A/R. p/p terminated after joke about cookies. AUSSIE 298: RAAF C-130 0023 USB FL 270 31-30 North 138-20 West (just about 1/2 way between Hawaii & Offutt radio, pp w/Travis AFB, CA Metro req. wx for arrival 0302z followed by pp w/Travis Dispatch for normal a/c servicing. GASER 12: KC-135R 2310 USB over Amarillo, TX FL 22.0 w/ Ascension Radio requested p/p w/ Offutt AFB, NE Metro for Altus AFB, OK forecasted weather. (BH) JM304 1430 USB clg Croughton, no joy. REACH J2F7: 1445 USB pp. PUMP 25: 2000 USB wkg Ascension w/pp Dover metro wx for FOK 2100z. ELVIS 00: 2130 USB wkg Ascension w/pp Rota metro enrt ??SE, pirep posn 10490N 33520W. TURBO 03: 2140 USB wkg? w/pp DSN 723 arr msg. HOTEL 1-XRAY: 1920 USB Wkg Ascension w/pp DSN 624 5361 Sigonella. Alternative pp to Sigonella. Com guard group 3... (missed the rest). (CH) STINGRAY 35: US CUSTOMS A/C USB 0210 wkg Albrook. QTH of A/C is 0928N 07757W. STINGRAY was instructed to intercept target located at 0847N 07929W Heading 357 Speed 90 kts Altitude 2700. Albrook asked if STINGRAY was able to intercept & received a positive response. STINGRAY was instructed to come up on 8972 for HF comms and to remain in Panamanian territory until the intercept was made. (DW2) FELIX 100 UTC? USB wkg CAMARA-Ops (Ramstein) w/messages for FREEBIRD 95. Does anyone knows FELIX 100? (GB) POSSessor 0212 USB clg Mainsail, gives test count. (HF) REACH-T2 0825 USB wkg Croughton PP Incirlik CP ETA 10.20Z IF001 C-130 USAF 0933 USB wkg Croughton PP Ramstein METRO WX 11.30Z followed by PP Ramstein CP ETA 11.30Z, 5 pallets, no passengers, A1. BLUE 62 KC-- 1000 USB clg Croughton several times, no-joy. IFB12 C-130 USB wkg Croughton Enroute Zagreb ETA 12.00Z req pp Trenton DSN 827-723 arr msg. HAWK 92 he might have been supporting some F-18’s (RETRO41) that went to Laage in former East-Germany. LANDFALL 1720 USB clg MAINSAIL "w/ request", no apparent answer (plus, he was also active in 11244 w/ similar calls, except that on 11175.0 he did not have a "long" beep on his signal when he unkeyed his mic). ALBROOK GLOBAL 2317 USB clg SPAR 84 "w/ request", w/ no response. At 1427z DANDYLION called MAINSAIL & raised MACDILL for a brief signal check, & gone. HICKAM 0245 USB worked what sounded like STRAYBALL; then worked what sounded like NIGHTWATCH 01. MACDILL 0844 USB wkg NOAA 43. COBRA 14 1430 USB wkg ANDREWS, w/pp to a DSN 942 number. At 1411z, MCCLELLAN MAINTENANCE called MCCLELLAN GLOBAL. OFFUTT 1931 USB worked SAM 204. At 2317z+, GOTH 12 worked ASCENSION w/pp to a DSN 675 number. At the same time, GOTH 11 (who GOTH 12 had been trying to raise on 9018.0) worked ANDREWS w/pp attempt. Eta was at "2400". Q1Z 1929 worked MACDILL w/an "Exercise Esteem Highly Alpha" pp. DANDYLION 1845 USB
called McCLELLAN. At 1849z, DANDYLION worked MACDILL, and moved to 11181.0 for data. AIREVAC 60185 1657 worked ALBROOK w/pp to FURIOUS. C141 at 24 16N, 87 11W. At 1959z, SNOOP 41 worked MACDILL for a signal check. SCARS 59 1726 USB worked OFFUTT w/pp to DSN (317) 626 number. TRICYCLE 0004 called MAINSAIL, and raised HICKAM, looking for NIGHTWATCH wkg freqs. At 1437z, SAM 204 worked ALBROOK. DRAGNET SIERRA 1348 USB worked ANDREWS w/pp to OKIE SAM. Apparently for the past week or so, their PAPA UNIFORM aliases have been U.S. beer brand names (MILLER today). SNOOP 55 (male opr) 1328 USB worked SNOOP 44 (female opr) for a radio check. At 1622z+, ANDREWS w/in the blind "EXERCISE INJECT" groups. Startled to hear this because these events usually happen on the next to last Tuesdays of the month, not the second Tuesday. The last time the second Tuesday was used was in Sept 1994, a clear indication (in hindsight) of the Haiti invasion two weeks later. As in the past, the "exercise" ended around 2019z+ w/MACDILL (clg AXE KNIFE.) At 1726z, MACDILL called SNOOP 55 w/ no response heard on this freq. VS7U 1622 USB worked OFFUTT w/a pp to a DSN 942 number. At 1639z, SAM 974 worked MACDILL, who adv SAM 974 to move to "731". GORDO 15 1358 USB (apparently just ex ANDREWS ent to OFFUTT) w/pp to NW 01. GORDO 15 also ran pp's to OFFUTT at 1423z & 1442z (adv that they had moved their eta up by one hour.) LOGAN 13 (sounds like) 1911 USB worked --- (missed GHFS id) w/pp to GOLDEN HAWK. Search chatter. NOMINATE 1403 USB worked MACDILL for NW 01 wkg freqs: 2145/2130. KE965 USB wkg Croughton pp DSN 624-5121 (1st Reron (?), Sigonella) to Duty Officer (Loin Chop?) Traffic for 9TI, req pass status of EO once over target. (JS) REACH 0024: 2338 USB wkg Ascension pp Shaw Base Ops USB wkg metro arrival time 0200Z self id'd as C-5 acft. REACH 260: 2448 USB wkg Ascension pp ETA. JERSEY 81: 1128 USB clg mainsail no joy. GOLD 91: 1129 USB clg mainsail no joy. JERSEY 81: 1130 USB wkg Albrook pp Hilda East regarding offload of fuel to 2 aircraft Id'd as Tail#591503. NAVY LIMA 26B: 1139 USB clg runway w/ Albrook answer for rdo ck loud USB wkg clear. CONDOR 1: 1140 USB clg Andrews no joy. NAVY LIMA 26B 1149 USB wkg Andrews pp DSN 284-XXXX ops arrival Panama 1320Z. (Kw2) Albrook 2013 USB wkg pp for REACH 8 JULIET 7 to FURIOUS & Howard meteo. Albrook 1822 USB w/pp for SHARK 49, to Howard meteo for weather at MPH-Howard,AFB. Albrook 1827 USB w/pp for SHARK 51 to LOBO. Ascension 1839 USB w/pp for 08 DELTA MIKE to Ramstein,CP. Albrook 1811 USB w/pp for SHARK 65 to LOBO. Albrook 1913 USB w/pp for ASTRO 02 (maybe ASTRA or ASTER) to FURIOUS & Howard meteo. Albrook 1905 USB w/pp for SHARK 41 to LOBO. Andrews 1923 USB w/pp for REACH 0013 to Dover CP. Albrook 2101 USB w/pp for STINGRAY 12 to SOUTHBLOCK or SOUTHRock. INDIA JULIET 8 2107 USB Clg Bayonne Global for radio check, MacDILL answered. MacDILL 2107 USB w/pp for REACH 517 to Pope meteo. Albrook 1756 USB w/pp for SHARK 47 LOBO. Albrook 1756 USB w/pp for SHARK 41 LOBO. REACH 1843 USB 623 clg MAINSAIL, nothing heard. Albrook 1844 USB w/pp for SHARK 16 to Howard meteo. ROMEO YANKEE 150 1846 USB clg MAINSAIL, nothing heard. SHARK 48 1848 USB request Albrook to relay ops normal to LOBO. Albrook 1755 USB w/pp for SHARK 25 to LOBO. Albrook 1809 USB w/pp for SHARK 41 to LOBO. Andrews 1892 USB w/pp for REACH 0103 to Dover CP. Albrook 2101 USB w/pp for STINGRAY 12 to SOUTHBLOCK or SOUTHRock. INDIA JULIET 8 2107 USB Clg Bayonne Global for radio check, MacDILL answered. MacDILL 2107 USB w/pp for REACH 517 to Pope meteo. Albrook 1756 USB w/pp for SHARK 47 LOBO. Albrook 1756 USB w/pp for SHARK 41 LOBO. REACH 1843 USB 623 clg MAINSAIL, nothing heard. Albrook 1844 USB w/pp for SHARK 16 to Howard meteo. ROMEO YANKEE 150 1846 USB clg MAINSAIL, nothing heard. SHARK 48 1848 USB request Albrook to relay ops normal to LOBO. Albrook 1755 USB w/pp for SHARK 25 to LOBO. Albrook 1809 USB w/pp for SHARK 41 to LOBO. Andrews 1892 USB w/pp for REACH 0103 to Dover CP. Albrook 2101 USB w/pp for STINGRAY 12 to SOUTHBLOCK or SOUTHRock. INDIA JULIET 8 2107 USB Clg Bayonne Global for radio check, MacDILL answered. MacDILL 2107 USB w/pp for REACH 517 to Pope meteo. Albrook 1756 USB w/pp for SHARK 47 LOBO. Albrook 1756 USB w/pp for SHARK 41 LOBO. REACH 1843 USB 623 clg MAINSAIL, nothing heard. Albrook 1844 USB w/pp for SHARK 16 to Howard meteo. ROMEO YANKEE 150 1846 USB clg MAINSAIL, nothing heard. SHARK 48 1848 USB request Albrook to relay ops normal to LOBO. Albrook 1755 USB w/pp for SHARK 25 to LOBO. Albrook 1809 USB w/pp for SHARK 41 to LOBO. Andrews 1892 USB w/pp for REACH 0103 to Dover CP. Albrook 2101 USB w/pp for STINGRAY 12 to SOUTHBLOCK or SOUTHRock. INDIA JULIET 8 2107 USB Clg Bayonne Global for radio check, MacDILL answered. MacDILL 2107 USB w/pp for REACH 517 to Pope meteo. Albrook 1756 USB w/pp for SHARK 47 LOBO. 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Andrews CP. Ascension 1948 USB w/pp for REACH 068 to Antigua Fire Station. Albrook 2012 USB w/pp for REACH 166 to HILDA meteo (C-141 Tail#70166) (MF2) TEAL 07 2057 wkg MacDill w/pp to ABC Radio for interview. 07 just made its third pass through the eye of Hurricane Hortense and found 140 kt winds. EXECUTIVE ONE FOXTROT 0129 wkg Ascension w/pp to SAM Command, who gave them a freq. of F731. JAWS 51 (?) 0040 USB w/ a pp to SANDCASTLE (?) ops via Ascension -- stated he was code "delorean" (MK) (JAWS are MC-130E's AFRES out of Duke Field AS, Fl; SANDCASTLE is 919th SOW, Duke Field -LOGS) FILESAND 1457 USB w/pp to NIGHTWATCH via MacDill -- needed wkg freqs and advised NW that FILESAND < GOALPOST & another name I couldn't make out were trying to call on posted freqs w/o joy. NIGHTWATCH 1729 USB clg Mainsail w/no joy. Offutt: 1821 USB clg BACKPAGE, no joy (MW) SHARK 83 2342 USB wkg LOBO PP via Albrook (PS3) NAVY RW37: Navy C-2A, UC-12B or 0025 USB UP-3A of VRC-30 "Providers" at NAS North Island, clg 'mainsail' no joy here. NAVY RJ605: Unid unit 0049 USB clg El mendorf GHFS, no joy here. NAVY RY909: Navy C-9B Skytrain of Fleet Logistic Support Wing, VR-59, 'Lonestar Express', at NAS Dallas, Tx, 0317 USB clg Offutt Global, H Hickam answers but is not heard. NIGHTWATCH 1729 USB clg Mainsail of Fleet Logistic Support Wing (USNR) VR-56, "Globematers", of NAS Norfolk, Va 1459 USB clg 'mainsail' for sea mins, no joy. NIGHTWATCH 01 1618 USB (fair to good level) called TRILLION. NW 01 2101 USB responded to a call from JUNEDAY. DANDYLION 1849 USB wkg MacDill. NW 01 1637 advised POPULATE that DEEPWELL receive his traffic ok at 1631z. At 1717z, NW 01 called DEEPWELL. At 2238z, NW 01 w/a 26h character EAM string (4T...), trailing the GHFS broadcast of same. NW 01 then called SILICATE, at 2240z, SILICATE called & raised NW 01. (JH) ARMY ARCHER 1842 USB wkg WGY916 for date/time msg., "H231840". PACCOM 01 (radio op # 1) 0235 USB wkg Andrews re support frequencies. GOOSE 71: MC-130E? 1809 USB wkg Offutt GHFS w/pp Duke Field (Elgin AFB) Op's Center at 875-DSN, SANDCASTLE Op's (919th SOW at Duke Field) answers, 71 req they re-open the field as they are returning re a minor maint problem. (RB) Reach 11V3 1942 USB wkg MacDill GHFS/pp to HILDA EAST inbound Signonella ETA 2105 tail #50276. (TO)
your primary and AF1's secondary." Andrews VIP wkg SAM 201 C-20, 1655 USB DV 2 + 5, w/ lots of pps to New York from a couple of non-US Generals on board 201. I believe these guys are Turkish. (still making pps at 1755z) ETA to (?) is 2120z. (JJ)

TEAL 57: WC–130 53rd wx Recon Sqd, at Kessler AFB, Ms 1624 USB wkg MacDill w/pp. (RB)

SAM 27000 0900 USB wkg Pentagon. Also on 8026.0. (CD3) SAM 204 1440 USB called ANDREWS; ANDREWS called SAM 204, w/ ANDREWS not hearing SAM 204. Andrews VIP checking this freq for AF1 primary w/SAM 28000, SAM 403, and SAM 29000. Secondary freqs checked so far: 4448.0, 6717.0, 13204.0, and 15048.0 It sounds like 6717.0 is going to be secondary for the time being. SAM 26000, 2209 USB enroute to Shannon, wkg Andrews VIP for pps. ETA to Shannon. 0030z and then on to Tel Aviv. (JJ) Andrews 1858 USB & 201 conducting radio check, Andrews goes looking for another freq. (MF2) SAM 201: USAF Ch20B tail 86-0201 1404 USB wkg Andrews w/signal ck's on "311". (RB)

AUTOGRAPH 2016 USB worked NIGHTWATCH 01. At 2043z, AXMINSTER (EAM broadcaster) worked AUTOGRAPH, w/ AXMINSTER showing great impatience w/an unheard request from AUTOGRAPH (the opr sounded a little "stressed.") At 2044z, AXMINSTER raised NW 01 and told him that AUTOGRAPH had gone "monitor only." At 2203z, WAR46 worked NW 01 for a radio check, followed by a now very weak AXMINISTER who worked WAR46 & had WAR46 advise NW 01 that AXMINISTER can no longer hear NW01.

POPULATE (female opr) 1713 USB, simulcasting on 11181 & 11229, w/ 33-character EAM string (INB66R...), picked up by GHFS at 1718z; & 39-character EAM string (IHAKHJ...), picked up by the GHFS at 1728z. At 1717z, POPULATE worked NW 01, looking for DEEPWELL. At 1718z, NW 01 worked WAR46. (JH)

CANFORCE–2787 2311 USB wkg CANFORCE MILITARY w/pp. (LCB) Trenton Military 1912 USB wkg 2803 w/wx for Tempo? Trenton Military 1920 USB att pp for DARKSTAR MIKE who kept mentioning they were in sector 5. No joy w/pp after 3 tries. (SM6) MAGIC 57, inflight 1951 USB passenger w/pp to his son via Trenton Military. (PS) CHR: Trenton Military, Ont 2302 USB wkg CanForce 1561 passing updated flt plan re departed MFZO 171600z; will arr SEGU 172359z, dep 181600; arr SCVM 182330z, dep 191600z; arr SEGU 192359z, dep 201700; arr TNCC 202230. (RB)

OFFUTT 2328 USB w/EAM "for TACAMO PAC PRIMARY" MACDILL 2330 USB w/an EAM "for TACAMO PAC PRIMARY" I think the content was the same except there was a break for some chuckling. OFFUTT 2141 USB first clg MAINSAIL, but w/ EAM for TACAMO CENT PRIMARY (also on 11175). OFFUTT 2143 USB first clg MAINSAIL, but w/EAM for TACAMO PAC PRIMARY. And I think the content was the same as the previous EAM. (BG) w/clg MAINSAIL for a radio check, w/no response. He did this often, again w/ no response. He had a distinctive "long" beep at end of each transmission. At 1959z, MCELLENN w/a 154-character PK... EAM (missed the first part of it, but caught the "errors" at the end of the strings to get a count.) MCELLENN, 1657 USB as lead GHFS station, w/ 20-character EAM "for" what sounded as "FOR AHMED; PUNJ1; JULES; AND YELLOW" (or somesuch.) For the rest of the local day, there seemed to be many such strings, most "for" what sounded like non-Anglo/American 'names'. MCELLENN 2024 USB w/28-character EAM (5KO60...). OFFUTT, 2209 USB as lead GHFS station, w/106-character EAM (PKJGNE...). ANDREWS, 1608 USB as lead GHFS station, w/66-character EAM string: JNSV4G... At 2005z, ANDREWS w/20-character EAM string: JNGOCE... Very unusual situation to have a 20-character EAM to have the same static set as a 66 (or whatever) character string, and to have a 20-character string series separate from the current 4T... 20/26 character strings. Starting on the first of Oct, MACDILL 1735 USB called MAILBAG w/an all freq request. At 1624z ANDREWS (1618z for other GHFS stations, one of whose circuits (probably MCELLENN) was "seized" by ANDREWS) w/a 176-character EAM string (1HGZPM...). ANDREWS had to disregard the thing for a FOXTROT broadcast prefaced w/FAIRLY (VIG 26 AO). At 1753z OUTBOARD worked MACDILL w/pp to BOOMTOWN, and he passed an "immediate precedence" message (3-element groups) to BOOMTOWN. (JH)
11247  Ascot 9432 1242 USB Architect, departed GCTS 1200 ETA Brize Norton
16:00 req wx for EGNX, EGNV, EGQL relay "C" selcal DJ-BC. Magic-87
0822 USB wkg Architect w/ p/p's to Waddington ?, mentions of
Aviano, and Refuelling Tankers. Waddington reminded Magic-87 not to
use Names/Rank etc on HF Comms. (IB) RRR5941 C-130 XV190 LTW 1356
SELCAL AJBH. (JS)

11265  SENTINEL 37 1937 USB clg MAGIC 57, nothing heard. TRENTON MILITARY
1943 USB w/pp for MAGIC 57 to UNID # (MF2)

11460  Sam 206 1645 USB Andrews VIP discrete freq. F295 standing by for
traffic. (ANUK) ANDREWS 1929 USB worked SAM 204. (JH) Air Force 2,
2150 USB DV 2 + 42, wkg Andrews w/ signal checks and pps. Since (at
least) 1732z they've been using this freq from time to time while
enrt to various locations. ETA to next destination (?): 2245z (JJ)
SAM 403: USAF C20H, tail 86-0403 2154 USB wkg Andrews VIP on '295'
w/pp Andy maint. (RB)

11494  NIGHTWATCH 01 1624 USB moved WAR46 here, and had WAR 46 "maintain"
this freq as his primary wkg freq w/ NW 01. TABLETOP 0009 USB called
NW 01. At 0010z, TRICYCLE called NW 01, followed on minute later w/
NW 01 clg TRICYCLE. TRICYCLE worked TABLETOP, w/neither hearing NW
01. At 0012z, TABLETOP advised TRICYCLE that NW 01 was monitor only
for 30 minutes. At 0014z, ESSENTIAL called BOOMTOWN "on CHARLIE
BRAVO" (misskeyed his transmitter.) PIPESTEM 1456 USB worked URGENT,
& set up data freqs: Z211 (12070) for PIPESTEM to transmit, and Z205
for URGENT to transmit. (JH) PASTRAMI 2300 USB wkg NIGHTWATCH-01 ref
switch to Z-175. (LCB) WAR 46 2251 USB w/pp for NIGHTWATCH 02.
NIGHTWATCH 2301 USB req radio check w/STANDOFF. (MF2)

11508  A3E: USAF Croughton, UK 1900 B9w voice on LSB, VFT-6028 on USB, wkg
NSY' (8102.5). (JD2)

12984  4XZ: IN Haifa 1745 CW 5fgs. (BvR)

13200  THULE 2216 USB w/ 26-character EAM (4TP37s..) taken from GHFS
transmission of same at 2206z. THULE then repeated this string at
h+16 and h+45 for next hour or so, along w/ 4T54JG... (a now rare
4T.. 20-character string; heard on GHFS at 2238z.) (JH) REACH 406:
C-141B 1042 USB wkg Croughton for pp to Hilda East. Tail no 60154,
ETA Lajes 1300 Maint Status A2 for Auto-Pilot, pp Lajes Metro landing
wx 1300. (JS) HICKAM 0312 USB booming in w/EAM traffic. (LCB) SPAR
63 2322 USB wkg Offutt dispatch, wants to know if any people there
waiting for them. Said will call again in 15m for POB wants to talk
to person arriving there at offutt. SPAR 63 2326 USB clg Hickam (AFB
HI), no joy. SPAR 63 2320 USB wkg Offutt agn, wants to know if any
relatives have called? Answer is yes, daughter has been clg. ETA
given as 00:10z Instructions given to SPAR 63 to taxi to red carpet
before parking. Noted that Vice Commander StratCom will be there.
HARDY 91 Heavy 2334 USB clg Thule, weak but readable. Location
overhead Portland, Oregon. Rq to HT to Tinker (AFB OK), no answer.
Tried 17.976 but no joy there w/Thule. (PS3)

13204  SAM 27000 2239 USB wkg Andrews VIP for data freqs: 6830.0, 8026.0, &
9017.0. PACCOM 01 (radio op # 2) wkg Andrews VIP for pp to "COMMAND
POST" Re: Bad # 4 hydraulic pump. (I think I heard them say something
about Mongolia?) They wanted wx for UMUB (?) But Yokota AFB didn't
have an ID for UMUB. (Ulaanbaatar perhaps?) They had to settle for
UHHH. (UHHH is Khabarovsk, Russia -LOGS) REACH 101, C-5, Tail no.
84060, 0000 USB ETA: OTBD 03082 wkg Ascension AB for pp to (what
sounded like) Doha, for local Doha wx. (Referring to my vintage 1968
world Atlas, Doha is located in Qatar.) Also mentioned a country code
974 phone no. Advised that they are going to be off-loading 127410
lbs. on 7 pallets, 9 K-9 dogs (requiring special handling) , 73 PAX,
& 8 vehicles. (JJ) Executive 1 Foxzt 1746 USB wkg Andy w/signal
ck's on F089. (RB)

13217  SAM 27000 2151 USB enrt to the Philippines, wkg Andrews VIP for pps
to the Pentagon and Hickam AFB. (JJ)

13242  PIPESTEM 1751 USB called and raised URGENT, but did not hear URGENT.
MCCLELLAN 2119 USB worked MCDILL in voice and data. MCCLELLAN did
not receive the data ok from MCDILL, but as MCCLELLAN was in the
middle of a shift change, they finished up for the day (that's 1419
local in California). SPOTLESS 1846 USB worked NIGHTWATCH 01. (JH)
REACH 3269 1747 USB wkg MacDill Radio, unable to work them here for
Pagina 936
pp, QSY to 9016, had DV's on board, poss Israeli/Palestine delegates for Middle East talks in Washington. Albrook GHFS, Panama 2107 USB wkg BLUET 21 w/pp unid loc, a/c is very weak here. (RB)

13445 ANDV comm's. 2030 USB. (JJ)
13485 ANDV comm's. 0130 USB. (JJ)
13927 DAWG 07 1532 USB wkg unid USAF MARS station w/2 morale pp's, location was "somewhere over the Atlantic". (RB)

13960 ANDREWS 1932 USB worked SAM 204 re "preflighting" for 251000z+ takeoff on 667 upper and 295 secondary, then shutting down for the day. Andrews VIP 2346 USB wkg AIR FORCE 2 w/ signal checks from several different locations. Followed by a quick pp to COMMAND POST. (JJ) SAM 204: USAF C-20B tail 86-0204 1932 USB Special Air Mission a/c, w/kg Andrews VIP on "291" re preflight freqs for next day. SAM 201: USAF C-20B tail 86-0201 1956 USB w/kg Andy w/signal ck's. (RB)

14441.5 NNN0CFI: USS Gunston Hall 1811 USB Clg Stateside. (IB) NNN0CBU (USS Klakring) 1721 USB clg any ashore MARS station for pp traffic-no joy NNN0CYL (USS Kidd) 2054 USB w/NNNOXPQ (Lauderdale FL shore station) moved to 14477.0kHz for pp traffic. NNN0COL (Unid ship) 2058 USB w/NNN0RH (Unid CA shore station) but no joy. NNN0CZI (USS Merrimack) 2223 USB w/NNNOHLQ (TX shore station) moved to 14470kHz for pp traffic (MR2)

14477 NNN0CMI (USS Robert Bradley) 2320 USB w/NNNOHLQ (TX shore station) for pp traffic (MR2)
14615 REACH 50003 (Also IDed as 5003) C-5 2200 USB , ent to Davis-Monthan (DM) AFB, w/kg Ascension for pp to HILDA WEST. ETA DM (also) 0015z. (JJ)
15016 MCCLELLAN, 1751 USB as lead GHFS station, w/a 71-character EAM (PKMUX7...). AXMINSTER (sounds like) 2027 USB w/ 26-character EAM, not heard simulcast on any other freq (but propagation was poor), w/ his xmsn being stepped on by ALBROOK phonepatch. (JH) Reach 1102 1445 w/kg Croughton, pp to Hilda East Metro for wx for LICZ (Signonella, Catania, Sicily Island, Italy). Reach 182209 1452 wkg Croughton, C-141 ent LHBP (Budapest), pp to what sounded like 'DAO' or 'DEO', giving them overflying permit no. 72 351 77127. DAO (?) then said "we confirm 14 pax are booked for the Tel a Viv Holiday Inn hotel. We advise your next destination OJJR has no runway, it is a heliport only. Anyway your entry for that particular area is denied. Reach 408DM 1512 w/kg Croughton, pp to Mildenhall metro for Mildenhall wx, eta 2000. Reach 1102 1529 (tail-no. 891190) pp to Hilda East passing eta for LQSA (Sarajevo). (MB3) REACH 0009 1938 USB clg MacDill, nothing heard. 1941 Andrews w/pp for REACH 0009 to Dover CP & meteo. Albrook 1758 USB w/pp for SHARK 65 to LOBO. REACH 0017 2011 USB clg MAINSAIL for HF radio check. Lajes 1845 USB w/pp for REACH GULF 5 to Norfolk CP & meteo. Ascension 1847 USB w/pp for REACH GULF 5 to DNS# 564-2442-Norfork Navy CP (KC-10 Tail#20912). Albrook 1857 USB w/pp to DNS#476-2311/TANZ/34. Albrook 1933 USB w/pp for NOAA 43 to WPBT TAMPA, TV news feed. (MF2) McClellan: 1811 USB w/kg REACH 0022 w/pp to Travis AFB for 2030 ETA. Andrews: 1837 USB w/kg SHARK 12 (id as C-27) w/pp to Kelly Base Ops, w/ETA & departure/destination info. Rogers: 1849 USB w/kg REACH GULF 5 (id as KC-10A) w/pp to Norfolk w/PIREP/pax/cargo. JONES 104: 1852 USB clg HAYFEVER w/msg rpt, no joy (MW)

15094 SAM 201, C-20, 1734 USB DV 2 + 5, w/kg McClellan (discrete) for pp to KDAG (Barstow-Daggett) for arrival weather. ETA 2000z (JJ)
17010 TBO3: TN Izmir 1619 CW vvv de tbo 3 tbdj. (BVR)
17050 4XZ: IN Haifa 1638 CW vvv de 4xZ. (BVR)
17050 4XZ: Haifa Radio Israel CW w/ ID marker..(PT)
17976 FLIGHT 11 UTC? USB w/kg Incirlik. Heard the exact same callsign when on vacation at Cyprus on Nicosia ATC 124.200 Does anyone knows FLIGHT 11 (US-accent!) (GB)

18393 SAM 677 USB wkg Andrews VIP w/signal chks & pps. Previously they checked 14863.0 out of: Salinas, McDill, Lajes, McClellan, & the NCS at Andrews at about 1653z. (JJ)

19002 SAM 201 w/kg Andrews on F-943 w/ signal chks and pps. Also heard on: 18393.0, 15011.0, 13440.0, and 11214.0 around 1931z. (JJ)

19115 UNID: 1615 CW carrier and in slow CW: "RPI" and "RBI", Beacon?, also Pagina 937
other beacons? on QRG, LORAN ?? (ANDL)

398 PEO, UNID Beacon: 0203 CW id (ANDL)
400.5 COD, Beacon Codogno, I: 0202 CW id (ANDL)
404 BMR, Beacon Baia Mare, ROU: 0200 CW id (ANDL)
405 AV, UNID Beacon: 0158 CW id (ANDL)
406 BG, UNID Beacon: 0156 CW id (ANDL)
406 BOT, Beacon Bottrup, D: 0157 CW id (ANDL)
409 SG, UNID Beacon: 0155 CW id (ANDL)
410 RF, Beacon Erfurt, D: 0152 CW id (ANDL)
414 SLB, UNID Beacon: 0153 CW id (ANDL)
415 OL, Beacon Linkoeping/Saab, SWE: 0149 CW id (ANDL)
415 POZ, UNID Beacon: 0151 CW id (ANDL)
416 Inn, Beacon Innsbruck, AUT: 0206 CW id (ANDL)
419 Gre, UNID Beacon, D: 0144 CW id (ANDL)
425 ORU, Beacon Orust, SWE: 0146 CW id (ANDL)
426 SLB, UNID Beacon: 0153 CW id (ANDL)
426 POZ, UNID Beacon: 0151 CW id (ANDL)
429 INN, Beacon Innsbruck, AUT: 0206 CW id (ANDL)
434 UNID - Beacon SK: 1145 CW id (ANDL)
440 PIA, Beacon Piacenza/St.Damiano, I: 0126 CW id (ANDL)
440 PDV, Beacon Plovdiv, BUL: 0135 CW id (ANDL)
442 OKX, UNID Beacon: 0212 CW id (ANDL)
450 MBG, Beacon Gleichenberg, AUT: 0209 CW id (ANDL)
450 PIA, Beacon Piacenza/St.Damiano, I: 0126 CW id (ANDL)
450 KO, Beacon Kosan, UKR: 0117 CW id (ANDL)
462 FTZ, Beacon Fritzlar, D: 0130 CW id (ANDL)
473 FHA, Beacon Friedrcohshafen, D: 0215 CW id (ANDL)
475 RZE, UNID Beacon: 0129 CW id (ANDL)
481 VIB, Beacon Viterbo, I: 0124 CW id (ANDL)
481 SWH, Beacon Schwaebisch-Hall, D: 0123 CW id (ANDL)
486 IA, UNID Beacon: 0122 CW id, maybe a bad given II (ANDL)
486 FXE, UNID Beacon: 0119 CW id (ANDL)
490 ILN: Beacon Illesheim, D: 0118 CW id (ANDL)
492 KO: Beacon Kosan, UKR: 0117 CW id (ANDL)
494 WAK: Beacon Vakarel, BUL: 0115 CW id (ANDL)
494 UNID - Beacon PA: 0103 CW id (ANDL)
512 CLJ: Beacon Cluj/Napoca, ROU: 1740 CW id (ANDL)
517 JBR: Beacon Jaszerenye, HNG: 0107 CW id (ANDL)
2270 Mossad 2011 USB JSR broadcast. (HS)
2287 Unid: 2324 CW Endless 5LG's. No ID. (AB)
2379 Unid '98' 2245 CW Msgs like 98 12744 11111 11111 //3153 kHz (AB)
2743 Mossad,ISR 2300 USB Broadcast to ULX (AB)
2744 Mossad,ISR 1933 USB ULX broadcast. (HS)
2844 Mossad,ISR 2300 USB Broadcast to YHF (AB)
2852.5 ZNDW - UNID: 0003 CW clg P2IV, 2 minutes 5LG's, then cont. Slow CW: P2IV without id (ANDL)
2953 Mossad, ISR: 2318 USB vmf EE: MIW2 (ANDL)
3067 GOFR, UNID: 2310 CW clg UNID, xxdq DE GOFR GOFR QTC 5251 0110 = 0536 KZQ =, then 5 ltr grps. 0110 could be time in CET, end of msg: =GOFR K, than sx cfm-tfc, rpt req., using: RPT GR 2/etc. (ANDL)
3087.2 L - Beacon?, RUS?: 0025 CW id: L, vy bad modulation (ANDL)
3090 E-10: ENIGMA Group classification 1715 AM YL/EE clg KPA2. (CK)
(Mossad/IsraelI Intel -LOGS)
3150 Mossad,ISR 2303 USB Broadcast to PCD (AB)
3150 Mossad, ISR -?: 2300 USB vmf: PCD, 2303z "Two Messages (2x), Message (2x), 236 236, text (2x) ODGA LERDN ....", 5LG'S, sub-header: "655 655, Text (2x)", next transmission start 2330z w/ PCD-mkr, 2333z Message (2x) Group-43 (2x), Text (2x), 5 ltr grps. Hrd agn nxt day at 2037z (ANDL) E-10: ENIGMA Group classification 1700 AM YL/EE clg PCDI. (CK) (Mossad/IsraelI Intel -LOGS)
3153 Unid '98' 2344 CW Msgs like 98 04742 11111 11111 //2379 kHz (AB)
3175 V = Beacon?, RUS: 2305 CW id: V (ANDL)
3195 R - Beacon?, RUS: 2045/0020z CW id: R, hrd over weeks (ANDL) (Russian Navy Ustinov on 2396? -LOGS)
3211 ROQN - UNID: 2354 CW clg ERST bad handkeyed (ANDL)

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Mossad, ISR 2305 USB Broadcast to KPA (AB)
HEP3, INTERPOL Zurich, SUI: 2045/0015z CW v-mkr (ANDL)
R - Beacon ?, RUS: 0015 CW id: R (ANDL)
Mossad 1904 USB ART broadcast. (HS)
SP789, UNID: 2244 CW mkr: CQ CQ DE SP789 CQ CQ DE SP789 K (ANDL)
Mossad, ISR: 2015 USB vmf: MZ2, 2345z vmf EE "VLB2" (ANDL)
UNID: 1305 CW cont. slow: V28P (ANDL)
UNID: 2015 LSB sx SS, 2 OMs, "cambio-styl"!, ment: Gijon/etc., sounded not like fishermen, but pirates? (ANDL)
UNID spy?: 1835 USB f 5LG's. (ANDL) (Mossad hLOGS)
MOSSAD 1906 USB YHF broadcast. (HS)
N3SD, UNID: 1940 CW w/ QEPL DE N38D K, QLX, QTA, later clg 8IAO, see 6714 (ANDL)
UNID: 1905 CW LBDO LDBO LDBO QTC and numbers, later 5LG's, "RPT AGN" (ANDL)
UNID: 2025 LSB sx SS, OMs, "cambio", ment: Barcelona, pronounce A as Aaaaaaaaaa.../O as Oooooooo, not same OPS as 3818 KHZ, Pirate? (ANDL)
UNID net: 1730 CW ID7N DE ODO3, 5FG's (Q=0) after = 722 ID7N = given by machine, end with = ODO3, later simplex confirmation tfc., mni stns 1738z wkg 00Z, repeat-req./tfc., using abbreviations like RPT/K/etc., msg/msg-parts called e.g. GR 23 (group) 1840z RS4J w/ RS80 DE RS4J QTC 732030204 510 RS02 =, than msgs, 5ltr or 5fig grps, no mix between fig/lttr, QRT with: R 73 K, or only: 73, 1840z CW 5 ltr grps by machine, simplex QSL-tfc. Often hrd around this times. PSE INFOS! (ANDL)
P - Beacon ?, RUS: CW 1820 id (ANDL)
UNID net: 1840 USB sx GG/Swiss? & South german-GG, OP-Names: Charly, Frank & Axel, chats abt HAM-equip./techniques (2m/70cm/HF)/ HAM-magazines: CQ-DL, FUNKAMATEUR (both fm DL) and Old-Man (fm SUI), QSY to "th-a 580" pirates? See WUN-Misc-Logs 7/96 (ANDL)
UNID: 1833 USB RR m vmm, cont.: "????? 1,2,3,4,5,6,7,8,9,10", fm a tape (ANDL)
L: RUSNAV St Petersburg 1355 CW SLHF.M. (CK)
UNID: 1845 USB GG m sx, OP Jochen/austrian accent, chat abt radio techniques, using HAM abbreviations like QRT/QRV/Vox/73, etc., no ships, sked on Freq.: 44, chat-pirates? (ANDL)
Unid 0130 USB w/following repeated for over an hour "a fiery horse, with a speed of light, a cloud of dust & a hearty high ho silver....the lone ranger". (HF) (your right...odd one of the summer! -LOGS)
Swedish Rhapsody 1830 USB 5N groups in German (AB)
Mossad, ISR 1900 USB Broadcast to PCD (AB)
MOSSAD 2007 USB PCD broadcast. (HS)
Mossad, ISR 1902 USB Broadcast to FTJ (AB)
6FR: Unid 0055 CW with continuous ID. (JDS)
C: Channelmarker 'C', Moscow 2029 CW (PK)
Unid 'buzzer', RUS 1909 (AB)
MOSSAD 2001 USB VLB broadcast. (HS)
Unid: 1340 USB lots of Japanese tfc. (AB2)
M-17: ENIGMA Group classification 1940 MCW rapid dots 23 5F grps. (CK) (Ready, Ready numbers station -LOGS)
MOSSAD 1936 USB JSR broadcast. (HS)
BRANDY: 1640 USB w/ H171635 msg for WGY906 FEMA Denton TX. Ann freqs 5211 and 10493. (JM) BRANDY 1633 wkg WGY 910? passing traffic: H181635, then calls WGY 918 with no joy. BRANDY 1640 wkg WGY912 trying to reach WGY 918. 912 sez to QSY 13446. (MJ)
MOSSAD 1947 USB CIO broadcast. (HS)
PANTHER: DEA, Nassau, Bahamas 0212 USB wkg 33C who advises is landing at homeplate on DEA "Alpha". (RB)
OLX: MOI Prague, CZE 1659 USB id 288 at 17.00 UTC and 863 at 18.00 UTC. ID in CW (AB)
UNID 0800 CW NO ID. Msags like BT nr69 S 26 10:07:18 1996 BT + 5L gr. Signal faded out rapidly. From S4 to S0 in only 14 mins (AB)
4IK: Unid 1458 USB calling OCB and R4P. (CK)
MPP4: Unid 0432 CW wkg GOLW, xchg ZYG, ZAM, QSA and other code groups. (CK)
UNID: 1929 CW 5 ltr grps, msg-header, e.g.: BT NR 23 O 09 21:29:02 1996 BT, 09 means Date (9.0Ct), 21:29:02 is CET Summer-Time, the
second comes exactly in this second! see 6974.5 kHz (ANDL)
5430 Goroka PNG 0840 USB Phone net. lots of tfc, singing etc. (AW)
5437 MOSSAD 1907 USB ART broadcast. (HS)
5469.9 VL8IPS: Darwin, AUS 1653 CW w/ID, 4 min transmission every 20 mins after LNA2. (3D2)
5732 U.S. Customs: 0219 USB Enciphered comms common to Customs Service. UNID: 0255 USB UI male in the clear. Too weak to copy content. UNID: 0310 USB Noted that the SELSCAN pulses about every 10 minutes after the hour. (i.e. 0310z 0320z etc). UNID: 1255 USB Several strong SELSCAN pulses followed by scrambled comms common to Customs. (EA) BUSHWACKER 2211 USB clg 754 in the clear on new customs COTHEN net freq "Ground Troops will be on ALPHA-2" (165.2375 for you VHF scanner listeners). BUSHWACKER 2213 USB wkg "342" "ALPHA-2 will be air to ground freq" BUSHWACKER then asked 342 if he has contact w/549, 342 adv affirm. "34 KILO" 2237 USB wkg BUSHWACKER "549 in RTB, we will stay overhead" BUSHWACKER responded "You will need to refuel and get back up ASAP in-case he decides to land" "return to scan". "34 KILO" 2253 USB wkg BUSHWACKER, "we are talking to ALPHA-1107 (Customs Agent) and he did not off-load anything in Memphis. They may get airborne again and off-load the contraband at another location". OMAHA 34-KILO 2305 USB wkg BUSHWACKER ref "Airborne near West Virginia heading 050. Have you gotten hold of 69A and scrambled them yet? Have then meet us on 385.45 UHF and normal working freqs". BUSHWACKER 2345 USB wkg OMAHA 34-KILO with Instructions "Jacksonville has a jet heading in that direction. Hopefully 69-Alpha will get launched to get in the chase by the time you need to stop a re-fuel. You can surveillence the target until then." 34-KILO adv BUSHWACKER that he had enough fuel and would land with the suspect a/c if he landed, but BUSHWACKER adv "Stand by & monitor the a/c until 69-Alpha gets on station. When he gets on station, land and re-fuel and then get right back up so you can perform air support incase the a/c lands. DO NOT LAND behind the aircraft. 16 Quebec is on the way out of Jacksonville, you can then turn the eyeball over to him when he gets there". HAMMER, Western C3I center 0015 USB clg OMAHA 69-A 54 no contact. BUSHWACKER 0017 USB wkg OMAHA 34-KILO "target at 2000 feet". CUSTOMS SERVICE CENTER new C3I central located in Oklahoma City? 0031 USB clg OMAHA 69-ALPHA. (LCB)
5740 UNID: 1425 USB Two SS males engaged in heated conversation. One kept telling the other to slow down (possibly not a native speaker). Then said go to channel 7. ??? From the content, don't think they were "fishing". (EA)
5820 'English Man' numbers station 2100 USB Id 274. 5FG's. Ends w/'00000' (AB)
5841 35 CHARLIE 1858 USB confirming transportation w/PANTHER. 12 TANGO 1826 USB passing posn report to PANTHER (MF2)
5916 Unid: 0320 CW 5FG's, each number 2X; who is this? (BDS)
6390 R - Beacon ?, RUS: CW 1545 id (ANDL)
6485 UNID number stn: 1733 USB EE f 5fg's, each grp 2 times (ANDL)
6566 UNID: 1635 CW marker: VVV CQ 773.69T, 1635z 5fg's (T=0) (ANDL)
6823.5 UNID: 1515 USB handkeyed, s/off with BK FB NW GB 73/88 PUPLASKII (ANDL)
6840 UNID SPY? stn: 1735 USB f 5 ltr grps (ANDL)
6840 MOSSAD 2003 USB JSR broadcast. (HS)
6841 OLZ88: MFA Praha , CZE, 13:20, new PSK mode + CW chat in Czech.(ANEU)
6845 UNID: 1643z USB 6 tone mm, see July-WUN on 6848.0 kHz, (ANDL)
6860 2Hz, UNID: 0935 USB sx m Polish "Dwoieka Henryk Karol" (2Hz) w/ "Ignazio Marian Xaver" (ANDL)
6871 HEP7, INTERPOL Zurich, SUI: 1520 CW v-mkr: VVV DE HEP7 + (ANDL)
6904 UNID: 1503 USB m sx EE scottish/irish accent, using hard language, pirates/fishermen? (ANDL)
6925.6 UNID: 1520 USB m sx UNID-language (asiatic?) (ANDL)
6960 P8K 1700 CW VVV VVV VVV DE P8K P8K P8K NR-44 then 5L groups. Also at 1900 on two different days. (CK)
6974.5 UNID: 1716 CW f 5 ltr grps, header: "BT NR 63 A 22 19:16:53 1996 BT", next: "BT NR 64 A 22 19:23:05 1996 BT", time is CET, 22 means date,
WUN-hv02

UNID: 1509 USB m SS, ment: Cantabria, Biskaya, Finistere, sounds like wind/wx reports fr coastal areas in North Spain/each 2 times: repeato, end with: Buenos Tardes a todos (=hello to all), 1515z sx cambiohQSO, mni stns, no IDs (ANDL)

UNID numbers: 1330 USB 5FG. (SZ)

KRF265: DOE, Belton, MO 1604 USB wkg an unid station in the clear before returning to digital. (JM)

C: Channelmarker 'C', Moscow 1630 CW (PB)
S: Channelmarker 'S', Arkhangelsk 1632 CW (PB)

VL84PS: Darwin, AUS 1657 CW w/ID, 4 min transmission every 20 mins after LNA2. (JD2)

Unid numbers station 0600 USB YL repeating "915" then "zero zero zero" (no traffic for 915 I guess). (RB)

MOSSAD 1735 USB YHF broadcast. (HS)

Unid: 1953 CW Slow spacing between highspeed characters (figures) k - repetition of "zca zob". (DW)

Unid Filipino stn 1005 USB Phone net. (AW)

9M: Unid CW VVV then 9M followed by numbers (various) & slashes. The numbers after "9M" changed each time I think. (SZ)

Unid numbers 1121 CW 5LG using ANDUWRIGMT for cut nmbrs 1-0. Ends 1124 w "ar ar ar as as as." (RM)

CIA counting stn 1100 USB usual 3+2 numbers groups. (AW)

Unid: 1120 AM numbers sta 3ng/2ng stronger on the usb side of carrier, count 158 569 32 239 49 ... (RT2)

3XLZ, UNID: 1844 CW clg W5SL, PEAQ (ANDL)

BMB: Taipei Meteo 1535 CW w/5 fig gps (TD2)

Unid Filipino stn 1025 USB Long coded traffic. (AW)

Unid Filipino stn 1058 USB Long list on ch 801. (AW)

C: Beacon Moscow 1757 CW cont c c c c. (BvR)

MOSSAD 1946 USB SYN broadcast. (HS)

RAZORBACK 0512 USB wkg JT4 to adv he is tracking target heading south. (HF) (U.S. Customs -LOGS) (Presumed) USCG "green" (analog type) commns. 1955 USB. (JJ) SUNSHINE, MIAMI Air Branch 2154 USB clg SEABREA2E-287 in the clear "Did you copy what I mentioned about the air assets?" He then went scrambled, then in the clear again "Two additional Coast Guard A/C for you this evening, one after midnight. Could you relay this information to the cutter? Key west has apparently lost contact with them'. BUSHWACKER 2158 USB clg "754" on high fox, then made contact 'Can't contact him, you might try him on the PM. CUSTOMS SERVICE CENTER, new C3I central located in OKlahoma City? 2326 USB clg OMAHA-34 Kilo "Can you maintain communications w/BUSHWACKER ?? Do you need us to relay anything to BUSHWACKER?".

OMAHA-320 1726 USB wkg HAMMER (US Customs C3I west) ref "Target Squawking 02, going to Albuquerque. ETA to homeplate 1210 local "SERVICE CENTER then came up on freq advising "CS-3 is down for a while". (LCB)

Unid Asian stn 0903 USB. pp in Aero band. (AW)

MOSSAD 2006 USB EZI broadcast. (HS)

MI6 Lincolnshire Poacher 1930 USB numbers. (HS)

MOSSAD 1740 USB YHF broadcast. (HS)

RWM: TS Moscow (RUS): 1408 CW v/cqhmkr, TS (ANDL)

BPM: TS .... (CHN) 1430 CW/USB ID/vmf TS (ANDL)

UNID: 1655 USB m sx AA (ANDL)

UNID: 1230 CW cont. "186/TT" (ANDL)

RE4, UNID: 1440 CW 5 fig grps (0-T), // 10082.5, til 1445z, b4 & after CW a quick cont. brit-brit-brit (RTTY? sig/beacon/idle?), daily start at 1440 fr up to 5 min. long msg tx, s/on 1440z w/ "RE4 RE4 RE4 ....", 1540z 5 fig grps, QRT 1544/1743z w/ "= REA4 K" seems like a sked h+40 ? (ANDL)

UNID: see 10060.5 and 14270 KHZ (ANDL)

Mossad, ISR: 0145 EE "CIO2"-mkr, QRT 0150z without MSG or notice. (ANDL)

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10210 Unid Spanish stn 0710 USB pp in SS. (AW)
10215 Unid: 0010 AM 5 NG in SS & yl (RT2)
10242 ALE pulses strong (20db over Sh9) and regular 2100 USB. (JJ)
10406.9 VL8IPS: Darwin, AUS 1701 CW w/ID, 4 min transmission every 20 mins after LNA2. (JD2)
10493 WGY912: FEMA Berryville VA 1733 USB wkg WGY918 FEMA Denver CO established comms and moved to 14776 kHz (USB) for relay tfc. Msg to WGY913 was H171735. (JM)
10662 Unid Pacific Island 0755 USB Phone net. (AW)
11545 M16 Lincolnshire Poacher 2010 USB numbers. (HS)
11566 Mossad 1435 AM 5Lgs to EZI (PB)
12197 CIA Counting station, D?, 13:30, USB, 5 Fgs. (ANEU)
13446 WGY 918 1641 wkg PORTABLE? (No sign of BRANDY). WGY906 1700 wkg WGY 912. (MJ)
13458 ALE pulses. 2145 USB (JJ)
13506 Unid: 0917 CW, repeatedly calling UXW (MC)
C: Channelmarker "C", Moscow 0837 CW (PB)
13535 EZI2: mossad station AM UTC? h+15 broadcast (EZI2-central Euro station) (ANEU)
13564 Unid: 0630 LSB bnd #s 3+1 format nil tcf indic til 0645 (ANEE)
13907 PINGPONG 47 2346 USB wkg PINGPONG to advise that 47 is RTB because of equipment problems. (JJ) Scrambled comms on this Customs COTHEN channel 2038 USB, these comms were hopping around the COTHEN net at random intervals. (MF2)
14270 REA4, UNID: vy often/1135 CW idle, 1140z 5fg's, T=0, 1145z end w/: REA4 K, hrd before on 10082.5/10060.5 kHz, sked fr tcf h+40 (ANDL)
14284 RG77, ???, Moscow, RUS: 0920 CW tcf, partly coded, ment: nucleotid (ANDL)
14295 WA3NAN: Goddard Space Flight center 1615 USB WA3NAN rebcst'ing air/ground shuttle comms. I couldn't stay but appeared as WA3NAN was signing. (CM)
14404.9 VL8IPS: Darwin, AUS 0805 CW w/ID, 4 min transmission every 20 mins after LNA2. (JD2)
14487 M16 Lincolnshire Poacher 1036 USB numbers. (HS)
14750 unid Mossad 0845 AM rpts "CI02" (PB)
14977 OLX: MOI Prague 1123 USB 5Fgs in Czech (PB)
15682 M16 Lincolnshire Poacher 1807 USB numbers. (HS)
16084 M16 Lincolnshire Poacher 1035 USB numbers. (HS)
18594 RAIDER BASE 2313 USB wkg RAIDER-16 ref "burned out stabilator" and "Infrared Lights", "23 nm southwest...", US Custom comms. (LCB)
23214 PING PONG 2059 USB passing message to 248 (MF2)

This months contributors:
(AB2) Art Blair, Orangevale, Ca, USA (by mail): NRD-515, M-7000
(AM) Alfie McAfee, UK
(ANDL)Anonymous, Germany
(ANE)Anonymous, Eastern Europe
(ANEU)Anonymous, Europe too
(ANN) Anonymous
(ANUK)Anonymous, In UK
(AW) Alex Wellner, Sydney, Australia: Kenwood R5000
(AW2) Allen Watkin, Australia
(BC) Bob Colyord, Brick, NJ, USA: R2000
(BDS) Brent D. Saylor, Pa, USA: Icom R-70, AEA CP-1 TU
(BH) Bart Hoekstra, Leeuwarden, The Netherlands: Lowe HF-225
(BVR) Bert van Rij, Naaldwijk, The Netherlands
(CH) Carl Hender, Suffolk, UK: IC R72, JVFA, HAMCOMM
(CK) Costas Krallis, Athens, Greece: Yaesu 7700
(CM) Craig Mackinnon, Halifax, NS, Canada: Yaesu FRG-7
(DW) Day Watson, Clevedon, UK: NRD535, Racal RA1792, Code 30 v.2, JVFA
(DW2) David Wright, San Angelo, Tx, USA: DX390, Grundig YB400, Univ.M-1200
(EA) Ed Ashcraft, Oahu, HI, USA
(EC) Elvin Chou, St Peterssburg, Fl, USA
(ED) Ed Deasy, Charlottville, Va, USA: NRD535, Hoka Code 30, M7000
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Abbreviations Used

// Parallel with Frequency     pp     Phone Patch
| 5FG's | 5 Figure Groups     | PP | Polish language
| 5LG's | 5 Letter Groups     | R/T | Radiotelephone (ship/shore fone)
a/c   | Aircraft             | rdo | radio
ARP   | AI REP or Air Report| re  | Reference/Regards
ck    | Check                | req | Request
cud   | Could                | RR  | Russian language
dep   | Departed             | sta | Station
dx    | duplex               | STA |
EE    | English language     | sx  | simplex
enrt  | En route             | tcf | Traffic

Pagina 943
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From your Electronic Editor:

* Welcome to another issue of the single largest source of utility station information and the most widely quoted utility station publication in the world...the WUN Newsletter.
* A big thanks to all for the Service Award I received at the Grove Communications Expo '96 for "Outstanding Service and Dedication to the Radio Hobby". I especially want to again thank the nice folks at Grove Enterprises and those who sent congratulations. I received the award the other day in the mail and it is a beautiful plaque. None of us become involved in hobby/club work for recognition. However it's nice to see an 'atta boy' like this one! Especially when it's for an admitted die-hard utility station guy. This was the first time I have seen someone in our part of the SWL hobby recognized in such a manner.
* We are going to try and get next months issue out to you around the 20th of December due to the Christmas Holiday.

WHAT'S INSIDE:

- Membership News by Mike Wolfson
- Ask WUN!
- Digital Review by Ary Boender
- The WUN Military Column by Paul Jones
- Nautical News by Day Watson
- New Products, Books, News and Reviews by R.D. Baker
- The QSL Report by Martin Barry
- Utility Round-up by Ary Boender
- World Bandscan by Tim Braun
- The WUN Logs Column by R.D. Baker & TEAM LOGS

============================================================================
Welcome to WUNNEWS and the WUN Membership News for November. I am happy to report that membership in the club continues at healthy levels. The exact figures at the beginning of the month, last month and one year ago are below.

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The number of countries represented has increased by one this month to 36. Countries represented this month in no particular order are: U.S.A., Germany, Canada, Australia, U.K., Netherlands, Sweden, Norway, Portugal, Italy, Japan, Brazil, Switzerland, Ireland, Greece, Spain, Mauritius, Finland, New Zealand, Poland, Austria, France, South Africa, Belgium, Peru, Iceland, Denmark and Singapore. One new country, Indonesia, is represented for the first time.

I have not received many responses lately for the membership database so the trends reported over the last 6 months have not changed. I mention that because the editors of WUNNEWS are planning an anniversary issue for our second birthday and I need your input for my column for that issue. If you are not in the database and want to be included, please send the answers to the following questions to me.

E-Mail Address
Name
Where you're located (state/Province, Country)
Main receiver(s)
Main decoding equipment (HOKA, JVFax, etc)
Monitoring interests (aero, marine, etc)

The information will not be shared or used by anyone except club officers for club purposes. The database management program I'm using can accept ASCII text. I am requesting that you answer each question on a separate line followed by a carriage return. Please do not include the question itself in the answer, just the information requested. If you're sending me a revision please indicate that in your e-mail. I hope you are able to do some good listening. Mike

INTERNATIONAL CIVIL AERO
Editor: Tony Orr, 11404 Turnmill Lane, Reston, Va, 20191-3618 USA
E-mail: tony.orr@wdn.com or jetset@patriot.net
Fidonet: 1:109/236
Co-Editor: Peter Ivakitsch, 4357 Bloor Street West, Unit 19, Etobicoke
Ontario, CANADA M9C 2A4 E-mail:peter.ivakitsch@westonia.com
Fidonet: 1:250/930

No column this month due to poor Tony having a hard drive crash.

===========================================================================
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| .h ... h.h .hh ..h h. .h ... h.h .hh ..h h. .h ... h.h .hh ..h h. ...

ASK WUN
Mark Schoonover - KA6WKE, editor
e-mail: schoon@cts.com
Snail: 9802 Medina Drive, Santee, CA 92071
117.0095W 32.8527N
h ... h.h .hh ..h h. .h ... h.h .hh ..h h. .h ... h.h .hh ..h h. ...
Pagina 945
Welcome!

Well, I did it.... I went ahead and volunteered to edit the Ask WUN column. I'm relatively new to the UTE world, and I find myself reading and surfing the net for any information I can find on the hobby. I've been an amateur radio operator for 14 years, but I must admit, the UTE hobby is where I've been spending the vast majority of my time over the last year. So, I decided to share what I'm finding with others on the WUN list. Many thanks go out to RD Baker and Ary Boender for the opportunity.

The first topic that has many UTE hobbyists pulling their hair out including my own, is computer noise. I had to do extensive work in identifying and eliminating RFI generated from my PC. Nino Porcino sent some information regarding the ARRL (Amateur Radio Relay League) infoserver:

From: Nino Porcino <m.caruso@netline.totobit.it>
Subject: Computer RFI
In the ARRL infoserver is present the file:
COMPRFI.TXT 32k 950411 Tips to fix computer RFI
just send a mail to info@ARRL.org with:
SEND COMPRFI.TXT in the body text. In few minutes you'll receive the file in your mailbox.
I hope it can help you,
73 de Nino

Thanks Nino! I haven't had a chance to view this file. Some of the things I did to eliminate PC generated noise included sanding the paint between the two halves of my computer case, grounding the monitor using the jack post where the cable attaches to the back of the monitor, to the case of the PC using a good quality grounding braid. I also needed to install an alternative ground, since I live in a semi-concrete jungle. I can't install an 8 foot ground rod easily. After some thought, I found two additional grounds within my residence. One is through the cable TV system and the other through the phone system. I'm sure I'll get some feedback on this, but the caveat is that I don't transmit HF through this system. It's only used for reception. After settling on using the phone ground, I hooked one piece of equipment at a time and then tested the phone. After getting everything attached, my normal S9+10db noise level dropped to an S3. I removed the rest of the noise using the JPS ANC-4 noise reduction unit. Hope this information can help others!

Robert Bennett sends a message looking for some equipment to finish his project:
From: "Robert P. Bennett" <rbennett@huntel.com>
Subject: HF Gear Wanted]
Robert Bennett, 5675 Shadow Hills RD, Las Cruces, NM 88012, USA.
Telephone (505) 382-0148.

I am in need of the following items of equipment to complete restoration of a military TSC-26 HF Radio Station: CV-1716 frequency converter, RP-149 audio tape reproducer and RD-26S high speed audio recorder. If anyone in WUN has any of the above items and are willing to sell or trade, please drop me an email at rbennett@huntel.com -Robert-

Robert, questions like this are perfect for the Ask WUN column! If there are any military buffs that can assist, please help.

<<Hobby Tips>>
Allan Rosewarne sends in an excellent tip on searching USENET and publicly accessible mailing lists using only an e-mail account: "I only have access to an E-mail account through my company. Therefore reference to USENET is very restricted. I have found a service, In-Reference Inc., which will search recent USENET archive based on find parameters and filters. I discovered this, through my local library, which has WEB access on in-house terminals, at http://www.reference.com. If one wants to try this out and you have E-mail only, E-mail to <user-manual@reference.com, with 'help' in the message body, and you will receive back an eight page user manual for how to have search enquiries E-mailed back to you. Besides USENET they archive "select publicly-accessible e-mail lists", also."

Thanks Allan! It's good to see search tools being designed for users with restricted access to the 'net.

Steve Fisher (rsfisher@zoomnet.net) Ohio USA wrote: "I am considering buying an AOR AR8000 handheld scanner sometime in the not too distant future. I have been told this is the top of the line in hand held scanners. I am wondering, though, how good is it in the HF range?"

Steve, I don't have any direct experience with the AR8000. Just off the cuff, I think the AR8000 wouldn't perform like a desktop radio. Before I would purchase any radio, I would determine what your needs are. As an example, I spend the vast majority of my monitoring in the maritime bands. My main radio is a Kenwood R1000 using a PK232MBX decoder. This handles everything I need to do just fine. I would think that the AR8000 would do fine for light duty monitoring, or SWBC listening, especially while on travel. Also, having the V/UHF bands available is also a benefit for the mobile user -- why carry two radios when you can carry one! If any reader uses the AR8000 extensively, please let us know! Either send a message to Ask WUN or Steve directly. For extensive technical or overall AR8000 information, check out these web sites:

http://www.cpl.uiuc.edu/~tpeckish/appendix.html
http://www.crl.com/~vhealey/ar8000.homepage.html

In previous Ask WUN columns, there has been some interest in monitoring satellites. While surfing the web, I found a site that has everything you'll ever need to know, and also afraid to ask -- from frequency lists to details of various satellite launches. Point your web browser to:

http://www.newspace.com/

This brings us to another end of the Ask WUN column. As usual, if you have any questions that you feel don't fit within the charter of the WUN mailing list, please send them this way! You'll never be flamed within the Ask WUN column. If you respond to any of the messages within Ask WUN, please forward a copy to me at: schoon@cts.com

See you next month and happy monitoring!
Mark -- KA6WKE

===========================================================================
#  DIGITAL REVIEW  #
[ editor: Ary Boender   ary@bitbike.com   2:283/512.24 ]

Thanks to contributors Lennart Deimert, Day Watson, Mike Chace, Murray Lehman, Bob Margolis, Fabrizio Magrone, Bert van Rij, Keith Haywood and the anonymous WUN family, I could easily fill the Digital Review this month.

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Everyone's help is always much appreciated, so feel free to drop me a line, or even better, drop me a whole bunch of info that you wanna share.

Diplo Corner

Before we start with this month's profile, a few short diplo items:
- First the schedule for the next three months:
  - December -> India and Angola
  - January  -> Algeria, Congo and France
  - February -> China and Ethiopia

Should you have any info that you wanna share about diplo stations of these countries, please send them to me. My addresses are in the header. I am especially looking for Chinese sample messages.

- Sweden's new system.
The new system that is used by the Swedish diplo stations is based on the MIL-188-110A system. Adaptive speed of 75/150/300/600/1200/2400 bps. The new system is bought from Rockwell/Collins and called "Mediaware". SWED-ARQ is also still being used.

- Egypt: perhaps you folks noticed this already. During the callup sequence you can sometimes see what the reply freq is. Here's how it works:

  JG YWSG KDS MDRS HOKDS ODS 57751 57751 57751 57751

Revert the number, add 1.7 and you have the freq: 15776.7 and yes, the other party came to that freq!

- This month's diplo special: Denmark

  o Country profile
  Denmark measures 43,070 sq km. Denmark with capital Copenhagen is a kingdom. The country is divided in 14 counties (amter); Arhus, Bornholm, Frederiksborg, Fyn, Kbenhavn, Nordjylland, Ribe, Ringkbing, Roskilde, Snderjylland, Storstrm, Vejle, Vestsjaelland, Viborg and 1 city (stad) Staden Kjobenhavn. The Faroe Islands and Greenland are self-governing part of the kingdom. The defense forces include the Royal Danish Army, Royal Danish Navy, Royal Danish Air Force and the Home Guard.

  o Notes on operation:
  - Language: Danish
  - Single freq ops. Occasional dual freq ops.
  - On-line encryption similar to that used by the Swedish and Norwegian diplo, leads-in with: rtlx nr. 63 af 13.4.96
    :::::::
    ssswwwww

    y
    [crypto text]

    Ending is abrupt ie no "nnnn" or "zzzz" type string.
The "sswwwww" in particular means that Copenhagen is often mistaken for MFA Oslo.
  - Very little addressee information in messages. Embassies are called up strictly by selcal mechanism. Operator chatter is often the only clue to the recipient.
  - Freqs usually end on .9

  o Transmission modes:
  SITOR-A 100bd N 400Hz
  SSB

  o Frequencies:
    7313.9
    7467.9
    7468.9
    9274.9
    9327.9
    11327.9
    11341.9
    11419.9
    11437.9
    13211.9
    13273.9
    13457.9
    13486.9
    13497.9
    16128.9
    16209.9
    16284.9
    16309.9
    16399.9
    16406.9
    16513.9
    16576.9
    18583.9
    18586.9
    18588.5
    18593.9
    18756.9
    19018.9
    19024.9
    19106.9
    19108.9
    19230.9
    19621.9
    23180.9
o Callsigns and reported selcals for MFA and embassies:
   OZU25  TPRX/TPOY   MFA Copenhagen
   OZU30              Cairo
   OZU31              Beirut
   OZU32    TPEC      Dar es Salaam
   OZU33              Tel Aviv
   OZU34              Jeddah
   OZU35              Beijing
   OZU36              New Delhi
   OZU37              Ankara
   OZU38    TPEF      Lagos
   OZU39              Nairobi
   TPEX              Baghdad
   TPEY              Prague?
   TPIC              Harare
   TPIP              Moscow
   TPIS              Budapest
   TPOK              Rome
   TPOP              Warsaw?
   TPOQ              Teheran
   TPRM              Bucharest
   TPRP              Accra

Unid stations: TPEK, TPEP, TPES, TPIF, TPIK, TPIV, TPIX, TPOC,
               TPOM, TPOS, TPOV, TPRC, TPRS, TPUK

o Dictionary:
   udenrigsministeriets - MFA
   nyhedsoversigt        - news review
   god weekend til jer alle - good weekend to you all
   et godt forsvar gavner freden - a good defense benefits peace
   Ambasseden            - the embassy
   visumsektionen        - visa section
   Moskva                - Moscow
   Rom                   - Rome

o Sample message formats:

Example message #1
---------------------
Example of on-line encrypted traffic from MFA to Embassy Rome

tpok tpok tpok tpok tpok tpok tpok tpok tpok [MFA selcals Rome]
$46 [Rome Connects]
:::::::::::::: [Characteristic lead-in]
smswwsssswwemeljlkckkklkckkrw
mzamovnznmglavhiqesnf lutca tjyzsizapytvywavisseyybtanwbxhpibdewqtn
ph whtvvesqgx1sedqempfnt cncpnbotsd1kmolqofujbdcqx
<clip clip clip>
iwgvibxaoqijkz [Abrupt end to crypto]
pt. intet.
nnn +?

Example message #2
---------------------
Example of plaintext message with MFA relaying NATO reports to Danish
troops stationed in Bosnia.

n a t o u n c l a s s i f i e d

r 120925z apr 96 msg id kab586
fm chod den
to x aig1628
xmt sen de off/afnorth
xmt = dadefat warszawa
      public information baltap
cincent
cincentnorthwest

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soveposer. Trods den usaedvanlige haarde medfart kunne laegerne paa sygehuset i tarm konstatere, at ingen af dem havde paadraget sig indre kvaestelser. Den ene var sluppet med blaa maerker og et par trykkede ribben, men den anden ud over blaa maerker har brud paa syvende ribben.

- - - Et godt forsvar gavner freden - - -

bt
int dist ch fst, ch oda, ch ma, ch kt, ch ps, ch p-i, ch lesek, sitrum

release time: 082019z feb 96
retrieval time: 082020z feb 96

Example of news review sent by MFA to embassies

udenrigsministeriets nyhedsoversigt
mandag den 22. april 1996
danske skud i bosnien
omkring 100 danske soldater maatte have hjaelp af to amerikanske kamphelikoptere. De danske soldater maatte affyre

[MA selcals next embassy to recieve same message]

Sources: Mike Chace, Day Watson, WUN, CIA World Factbook and my ears and eyes :-)

The RAN/RAF piccolo link
Murray Lehman checks in from Australia with an interesting item about yet another 'catch them while you can' candidate: the piccolo link between the Royal Australian Navy, Belconnen Canberra (c/s VHC) and the Royal Air Force in Kai Tak Hong Kong (c/s GFH). They occasionally have a circuit using PICCOLO-6 2 channel. As is usual with other stations using this mode, the engineering channel will be idle, apart from infrequent service messages, while the second channel carries encrypted traffic. Limited use is made of the circuit. It is operational, perhaps once or twice a month, for about 24 hours.

VHC to GFH has been logged on:
7990  9280  10865  12065  13450  14368  14435
14455  16170  18315  19235  19965  20465 kHz

with message format:
0204Z GFH DE VHC RGRG WILL ADVISE MY OPS....ZUJ PLS KKKHA1
0207Z GFH DE VHC PLS TO ZKJ YOUR ASM243 TXER...DOING SAME THIS
STA...C U NEXT TIME? KKKHA

After the K's, H means HMAS Harman NAVCOMSTA Belconnen, the next letter indicates the watch on duty; if a number is used it indicates the watch member.

At 0000Z VHC will sent a UTC day change marker:
............RECORD 13 APRIL '94.............

GFH to VHC has been logged on:
8138  9975  10185  10200  10635  10645  12080
12150  14705  14785  14795  16256  18335  19110
19385  20916  20937 kHz

with message format:
VHC DE GFH ZUB240412Z FEB RG K
VHC DE GFH ZUB240416Z FEB YES WE R GREEN K

As Hong Kong is to be part of China from 1 July 1997, it will be interesting to see if this link is replaced.

U.S. Coast Guard

The following item originates from the USCG home page and was forwarded and edited by Bob Margolis:

The U.S. government intends to procure approximately 60 error correction terminals with integral AFSK modems for narrow-band direct-printing (NBDP) telegraphy in the medium and high frequency ranges. The government considers these items to be commercial as defined by part 2 of the Federal Acquisition Regulations. Contract award is project for November 1996.

It is contemplated that one unit (if ordered) would be delivered to the CG Yard, Baltimore, MD, within 30 days of contract award. The government would then conduct acceptance testing on this equipment for 30 days. Within 120 days of acceptance of this first unit, the contractor would deliver 60 units to USCG Engineering Logistics Center, Columbia, MD.

Power Supply: equipment shall be powered from the ship's main source of electrical energy (110-120VAC/60Hz).

Physical Dimensions: the equipment shall not exceed the following size - width 18", depth 12", height 5", weight 12 lbs. The equipment shall be 19" rack mountable.

The NBDP system, shall be capable of operating on single-frequency channels and on single- and two-frequency channels. The equipment shall provide for the following categories of communications using both voice and narrowband direct printint (NBDP):
  a) distress, urgency and safety;
  b) routine operations.
  c) traffic and information.
b) ship operational requirements; and
c) public correspondence.

The equipment shall comprise at least:
   a) an integral control unit or more separate control units;
   b) an integral or separate narrowband direct printing facility;
   c) an integral or separate AFSK radio modem.

The Coast Guard will utilize existing shipboard transceivers. Prospective bidders shall illustrate how their equipment will connect to the Sunair AN/URC-116(V).

The NBDP facility shall provide:
   a) means to demodulate and modulate AFSK signals at 100 baud;
   b) means to decode and encode messages;
   c) means necessary for composing and verifying messages to be transmitted;
   d) and means for providing a record of received messages.

New NAVTEX stations

Bert van Rij sent me copies of several messages that he captured from the new navtex services here in Western Europe. All on 518 KHz of course. The first one is Cabo La Nao Radio (EAV id X) in Spain, then RCC Dublin via the facilities of Valentia Radio (id 'W') and finally Niton Radio with a special French broadcast for the French north coast; id 'K'.

o Cabo la Nao Radio
  zzzz xa03
  14 0932 utc oct 96
  navarea iii 501
  spain east coastrodaballo 1 light buoy 40-42.5n
  001-13.9e removed and adrift yellow
  colour.espana costa esteboya luminosa rodaballo 1 40-42.5n
  001-13.9e a la deriva color amarillo.nnnn
  nnnn

o MRCC Dublin via Valentia Radio
  suzzcz wz17
  routine
  220340 utc oct 96
  valentia radio
  imes dublin 000051
  test message from the navtex management system under experimental test at mrcc dublin in the irish marine emergency service - imes - headquarters dublin in ireland using remote control transmitters based at valentia radio.
  nnnn

o Niton Radio
  zzzc za68
  navarea one 525
  navtex. a french navtex broadcast service covering the north coast of france will commence for trials on 1 november 1996. broadcasts will be made through uk niton coast radio station using b1 character k.
  routine navwarning broadcasts will be made at 0140z 0540z 0940z 1340z 1740z and 2140z daily.
  nnnn

o Keith Haywood copied the Netherlands Coastguard with NDB/DGPS info:
  Thu Nov 14 1996
  netherlands coastguard
  navigational warning nr44 03:51:30 UTC
  the transmissions of the DGPS-station at hook of holland (the netherlands) with broadcasting station id 32 will be changed from id 32 to id 425, datalink
  Pagina 952
speed from 100 to 200 baud and the RTCM
messages from version 2.0 to version 2.1
the radio beacon transmitting frequency
(287.5 KHZ) will remain unchanged
NNNN

Digital Round-up

Who is PFRE???

Unid station PFRE has been copied by various dxers since early 1992. The
only thing that the station transmits is the rryryry test slip. Does anyone
know who this is? Freqs 5107.6 and 3677.7 KHz, logged on various times,
mostly between 04.00 and 08.00 UTC and around 17.00 UTC. Mode: Baudot
50bd/270Hz shift. Here's an example:

ryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryr
yyyy yyyy yyyy de pfre pfre yyyy yyyy de pfre pfre
ryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryr
yyyy yyyy yyyy de pfre pfre yyyy yyyy de pfre pfre

UN Geneva

Robert Margolis forwarded a couple of interesting fregs used between
Geneva, Switzerland and Monrovia, Liberia.
The Dept. of Humanitarian Affairs can be heard on 6766.5 in USB voice;
on 13982.5 in Sitor mode. The link is to DHA, Monrovia. Monrovia's selcall
is BKTX; the Red Cross on 6521 in USB voice; DHA's secondary freq. of 7210
USB voice; UN High Commission for Refugees with a sitor/pactor circuit to
Freetown, Liberia on 9122.5; Air Traffic Control at the Freetown Airport
between 0800 and 1830 UTC on 6673 USB; and ATC, Freetown Airport from 0800
to 1830 UTC on 8861 USB. Thanx Bob!

From Fabrizio Magrone (fmagrone@mbox.queen.it) came the following log:
on 22 Oct. at 09.07 UTC he heard the following on 18.1 KHz:
"XXX XXX RDL RDL 94517 83286 REG ~LO 8056 3991 DIFTONG 8854 8270 TA F TA
8148 3677 K" (~ is a letter covered by a loud pop, maybe a R) Then into
narrowband RTTY that always seems to be on that frequency.
(This is the Russian navy in Moscow, Fabrizio. Nice catch! -Ary-)

Kootwijk Radio. In Tim's column I mentioned that Kootwijk Radio wasn't
active anymore. Well, this isn't entirely true. I visited the site on
9 November and found out that all HF transmissions from Scheveningen
Radio are still coming from the Kootwijk site. What is true is the fact
that--according to the Kootwijk technician--PBB never came from that
site. The KLM LDOC facility in Kootwijk also closed down which makes
Scheveningen the only user left.

That's all for now. CU all next month. -Ary-

============================================================================
THE WUN MILITARY COLUMN
Editor: Paul Jones
14, Waterson Croft, Chelmsley Wood,
Birmingham B37 6TU, England
Email: paul@termcon.demon.co.uk
IRC: #WUN #Monitor - Paul_J
Hello and welcome yet another month, has passed and this month
I've been sent some interesting info on the Royal Navy:

The Royal Navy goes on-line.
The British Royal Navy has caught the latest wave sweeping up the world
- by signing up for the Internet. The service has gone on-line with its own
World wide web site which can be accessed by anybody with an Internet con-
nexion, be it at home or work.
The web site contains pages of information on the Royal Navy and the
Royal Marines. The navy has taken the step to promote itself in the new
medium, already available to over 1.5 Million Britons and an estimated 65

Pagina 953
It is hoped to generate interest among younger people, who are the most frequent users of the Internet, so that they might sign up for service. The web site has detailed but not classified information about the services, which is updated on a regular basis.

There is a map of the world, for example which is supposed to show where various ships are deployed. But because some of the information may be militarily sensitive, details are sometimes thin on the ground. So clicking on the South Atlantic area, shows only that unnamed ships are there to protect the Falkland Islands. There is though a mountain of facts for naval buffs with detailed histories of any individual ship and it is capable of doing. And to launch the new Internet service, a message from the First Sea Lord Sir Jock Slater.

Royal Navy director of public relations, Commodore Barry Leighton said "This is an outstanding opportunity for the navy to promote itself through this dynamic and expanding medium. It yet again proves the navy is among the leaders in advanced technology."

The Royal Navy Web site can be found at the following location:
http://www.royal-navy.mod.uk/

**New Radio Equipment for the UK Forces**

The British Government has awarded ERA a contract to supply 40 DSPMOD100 digital software radios, reinforcing the company's internationally respected reputation in the area of software radio design and implementation. Software radio technology is vital to the implementation of advanced radio systems in all sorts of applications. Its key feature is that most of the radio signal processing is performed by digital signal processors (DSP), rather than in dedicated analogue components such as filters, splitters and modems.

This has the advantage that the DSP can be implemented in any generic hardware that is controlled by software. The same piece of hardware can therefore be used to receive a variety of radio signal types by appropriate programming of the software.

The DSPMOD100 radio offers a 90db instantaneous dynamic range by implementing a 16bit digital system, and recognizes AM or FM, Speech or Data, and then provides a demodulated output, other features include Automatic Frequency Control (AFC) and excellent adjacent channel rejection (90db@6.25KHz frequency offset). For further information ERA can be found on the WWW at the following location http://www.era.co.uk/
reaching the ship, 30-knot winds and high seas prevented them from hoisting the man aboard, and an attempt was postponed until the next day. During the night, the ship moved to within 320 kilometers/200 miles of Iceland. A U.S. Navy P-3C Orion embarked a Japanese translator assigned to the 85th Security Police Squadron at Keflavik.

- Greek Navy warship sinks after collision, four missing
  The Greek Navy Antipliarhos Lascos-class Guided-Missile Patrol Boat HS Antipliarhos Kostakos (P 25) sank at 1845 4 Nov. after a collision with the M/V Samaina (Greek-registry 3,783-gt, 810-dwt ro/ro and passenger ferry built in 1962, formerly the MV Mary Poppins; owned by Arkadia Lines Naftikik Eteria) off Vathi, Samos Island, Greece. Of the 38 aboard the warship, 34 were rescued and four (three chief petty officers and a warrant officer) are missing. The M/V Samaina, sailing from Vathi to Karlovasi, did not suffer any serious damage and her 71 passengers and 51 crew were uninjured. According to witnesses, the M/V Samaina suddenly changed course to port and collided with the starboard area of warship's stern. The Samos public prosecutor on 5 Nov. began actions against master Matthaios Pnevmatikakis and first mate Antonis Tzouanou of the M/V Samaina for causing a shipwreck through negligence. Both were later released pending a trial. The HS Antipliarhos Kostakos is in 151 meters/495 feet of water about one kilometer/0.6 miles from Samos.

- Decatur to be launched
  The U.S. Navy Arleigh Burke-class Guided-Missile Destroyer Decatur (DDG-73) was christened 9 Nov. at General Dynamics Corp.'s Bath Iron Works, Bath, Maine. The ship is named for Commodore Stephen Decatur (1779 - 1820), known for his raid to burn the captured Navy frigate USS Philadelphia in Tripoli in 1804. He later served in command of the frigates USS United States and USS President during the war of 1812. Four previous ships were named in his honor, a sloop-of-war and three destroyers from 1840 to 1983. U.S. Army Gen. John M. Shalikashvili, chairman of the Joint Chiefs of Staff, will be the ceremony's principal speaker and his wife, Joan Shalikashvili, will be the ship's sponsor. Cmdr. Michael G. Knollmann, a native of Cincinnati, Ohio, is the prospective commanding officer.

- U.S. Air Force updates comms systems.
  It seems that the comms systems in Greenland are being updated. The 38th Engineering Installation Wing is bringing Air Force members in Greenland the latest information technology by installing the Combat Information Transport System. Thule Air Base, Greenland, will be connected to an information distribution system that provides the capability to link all existing and planned voice, data, video, graphic and imagery systems via a fiber optic network. The 38th EIW is installing a fiber optic cable network at Thule and Air Force bases worldwide to allow communications with American war fighters at every level. The wing is using the Systems Telecommunications Engineering Management concept. The STEM concept ensures that American war fighters' systems architectures, from either the U.S. Army, Navy or Marine Corps, are compatible with Air Force base infrastructures.

- The U.S. Air Force moves into Africa.
  The US Air Force began the initial movement of aircraft and personnel to support possible humanitarian relief efforts in Africa, on Nov. 14. This should give us some excellent monitoring opportunities, especially in Europe. The movement involves prepositioning Air Mobility Command aircraft, crews and support people at locations in Europe in anticipation of decisions by national command authorities to conduct a multi national relief operation supporting Rwanda refugees.

  Two C-17 Globemaster IIIs, one C-5 Galaxy, one C-141 Starlifter and a KC-10 Extender, headed to Europe from bases in the United States, Nov. 14. The aircraft are carrying Tanker Airlift Control Elements required to establish self-supporting airlift operations at forward locations, plus additional aircrews needed to sustain around-the-clock operations. Command officials said that nine more missions are scheduled and will be completed by Nov. 16. The officials were quick to point out that although no final decision had been made to conduct a full-scale multinational relief effort, the movement of AMC planes and people was strictly an effort to move them to locations closer to their final destinations. A TALCE is a deployed AMC unit established at fixed, en route, and deployed locations where AMC opera-
tional support is non-existent or insufficient. It provides continuing on-site management of AMC airfield operations including command and control, communications, aerial port services, maintenance, security, weather and intelligence -- those critical elements needed to ensure a safe and highly efficient air base for all tanker and airlift operations.

AMC looking into the Future of Air Traffic Control.

The tremendous growth of air traffic is presenting increasing challenges for both air traffic service providers and users alike, including Air Mobility Command. The rate of growth differs among regions but is forecast to increase around the world into the next century.

Such growth is straining airspace and airport resources as they attempt to meet this swelling demand. The current air traffic system needs significant upgrades to cope with future difficulties.

In an effort to deal with these problems, the International Civil Aviation Organization, along with the Federal Aviation Administration, plan to implement new air traffic management concepts. These new concepts also offer the potential to save aircraft operators billions of dollars annually by allowing more direct routings.

Gen. Walter Kross, AMC commander, has accepted the challenge presented by these proposed changes. He sees noncompliance as "the barrier between global reach and restricted global reach."

To overcome this barrier, he has made "Global Air Traffic Management" one of his top priorities to ensure unrestricted global reach. In addition, he also wants to ensure that ongoing navigation and safety equipment modification programs, such as global positioning systems, traffic alert collision and avoidance systems, and ground proximity warning systems, are utilizing state-of-the-art equipment and will be compatible with future requirements.

The initial step toward this new air traffic environment is the implementation of Reduced Vertical Separation Minima. RVSM reduces the vertical separation between aircraft from 2,000 feet to 1,000 feet at altitudes above 29,000 feet. It is scheduled to go into effect over a majority of the Atlantic Ocean airspace starting in March. RVSM is just the opening chapter to the planned air traffic management changes.

This evolving air traffic management environment should culminate in 2010 with the attainment of "free flight." The concept of free flight allows the pilot a more autonomous role in route and altitude selection. The key elements of this new environment are based on emerging technologies in communication, navigation and surveillance.

Routine pilot-to-controller voice communications will be augmented and eventually replaced by data transmissions. Navigation will be accomplished with increasingly accurate global navigation satellite systems and advanced aircraft flight management systems. Safe separation of aircraft will be enhanced by surveillance systems giving pilots information on other traffic and recommended actions.

AMC has established a new communication, navigation and surveillance branch in the headquarters to specifically work these issues. Its first task is to ensure all command aircraft are RVSM compliant. The branch is also working with the FAA and ICAO to firm up implementation timelines and define requirements for future changes.

Branch members are in the process of assessing the status of Air Force aircraft, determining required modifications and cost, and developing an implementation master plan and acquisition strategy to meet both short-range and long-range deadlines.

These proposed air traffic management changes will have a significant impact on the Air Force's peacetime and contingency operations. The Air Force must be able to deploy any of its aircraft anywhere in the world at any time. AMC, along with Headquarters Air Force, has taken the initiative to meet these proposed changes. The goal is to preserve access to prime global routes in the 21st century by equipping aircraft to match technology advances within the future worldwide air traffic management system.

U.S. Military Sealift Command forms a new squadron

The U.S. Military Sealift Command has formed Afloat Prepositioning Ship Squadron 4. Currently located in the Arabian Gulf supporting the U.S. Central Command, it includes the U.S. Ready Reserve Force ro/ro cargo ships M/V Cape Decision, M/V Cape Douglas, M/V Cape Henry, M/V Cape Horn (the flag ship), M/V Cape Hudson and M/V Cape Washington. The ships carry enough equipment,
fuel, food, supplies and spare parts to keep a U.S. Army mechanized heavy
brigade operating for 15 days.

- Canadian Air Command assists crewmember of fishing vessel
  Two Canadian Air Command personnel parachuted into Baffin Bay the night
  of 12 Nov. to assist a man vomiting blood aboard the F/V Vesturvan (Dutch-
  registry), which was fishing for turbot. Master Cpl. Keith Mitchell, 33, and
  Master Cpl. Brian Pierce, 30, from No. 413 Rescue Squadron at CFB Greenwood,
  Nova Scotia, jumped from a CC-130 series Hercules aircraft and swam to the
  vessel. Joshua Alookie, 41, suffered internal bleeding and was taken to
  Baffin Regional Hospital in Iqaluit, Northwest Territories.

- Missouri open until 11 Dec.
  The U.S. Army Corps of Engineers has announced that the Missouri River
  will be open to barge traffic until 11 Dec. Usually, the Corps closes the
  river by 1 Dec., but due to extra water in reservoirs upstream, the naviga-
  tion season has been extended.

- URL's to Surf
  And finally, a new section for the end of the column, a short list of
  relevant URL's that may be worth looking at. This month it's a UK/MIOD flavour
  which makes an interesting change, considering that in the past it has been
  difficult to get any info at all about the UK services.

  http://www.royal-navy.mod.uk/
  http://www.mod.uk/
  http://www.open.gov.uk/raf/rafhome.html
  http://www.serve.com/rm/sinnfein
  http://www.nato.int/
  http://www.stc.nato.int/
  http://www.dra.hmg.gb/
  http://www.deltaweb.co.uk/

  Once again, credit goes to Day Watson, Ary Boender, Costas Krallis,
  (U.S.) Navy News Service, U.S. Air Force News, Rick Baker, NS, Steve Schulz,
  and the Ships list.

  Also a personal request, NS you sent me some info, saying you had
  limited net access, can you get in touch via email if you can.

  That's it for this month, see you soon... Paul J

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Utility Monitoring in the Maritime Bands
Editor: Day Watson (jdwatson@cableinet.co.uk)
14, Gardens Road
CLEVEDON, North Somerset
BS21 7QG United Kingdom

Greetings maritime monitors
The column this month leaves no room for idle chit-chat other than to
remind you that my email address has changed (ref column heading).

The qtc list:
Maritime comms in Australia
Autolink RT
Portishead Radio/GKA - a visit
Brest-Le Conquet/FFU - a visit
Oceanic yacht races
European NAVTEX developments
Canadian CGRS St. John's/VON ceases 500 khz watch
++++++ Maritime comms in Australia

Having spent some time inserting various weekly corrections to ALRS Vols 1 and 3 (Coast Stations and Wx/Navs resp.) I realized there has been much change in the Australian maritime scene.

I am indebted to WUNner Glenn Dunstan for providing answers to my questions - I trust you will enjoy and appreciate his overview.

"Telstra is a new name for what was the old OTC - government owned, not privatized.

VIP [Perth] is the only TOR station now. Globe wireless are to lease a couple of the 10kw Marconi TOR txers for their global email service - should start in about a month (circa end of Nov - Day)

VIB [Brisbane] remotely controls the HF radphone channels (used for link calls) from VIS [Sydney] / VIT [Townsville] and VIM [Melbourne]. VID [Darwin] and VIP HF radphone channels are locally controlled.

VIB remotely controls the SOLAS [Safety Of Life At Sea] channels (500, 2182, 4125, 6215, 8291, 12290, 16420 and DSC) from VIS, but still identifies as 'Sydneyradio/VIS' (even though the operator is in fact north of Brisbane at a place called Ningii). VIT, VID, VIM and VIP SOLAS channels are locally controlled.

VIS is now completely remote controlled - no operators are based at the historic LaPerouse station. The marble bust of Marconi still guards the gate......

The Sydney transmit and receive sites are based in the western suburbs about 40km from the coast at Bringelly and Doonside. These stations were opened in the 50's, and at that time were the main HF gateways into and out of Oz.

The HF point to point services operated up until the 70's, when satellite links replaced them. These stations are magnificent to look over, they occupy a land area of 400 acres each.

Walking through the receive station is like stepping back in time...the receiver hall is now completely empty, the racks and racks of valve receivers having been replaced by small solid state units which now occupy what was once a store room....The manager's office has been preserved exactly the way he left it on his last day. The tennis court and staff houses still stand, now sadly empty.

The VIS HF CW txers are no longer used for working, only MSI (wx and navs) broadcasts. These are the original AM20 txers that you (and I) worked at sea - they are about 40yrs old (really magnificent to look at) - they run about 5kw into delta matched dipoles. Again these txers are controlled from VIB.

VIP is now the main HF CW station - they have taken some of the old Sydney HF CW channels (such as what was VIS26 - 8521 and VIS3 12952 - I'd like $10 for every time I worked those channels......)). VIP uses 10kw Marconi txers into delta matched dipoles on the HF CW services.

All network stations maintain H24 watch on 500, and will continue to do so until 1999. They also accept traffic on MF as per normal.

VIM, VIT and VID run a short range CW service on 8 MHz HJ [daytime] and 4 MHZ HN [nighttime]. Callbands are radiated on these channels, which run 1kw generally into travelling wave dipoles and wideband deltas.

There is also a coast station located at the Australian Maritime Rescue Coordination Centre (MRCC) in Canberra - its callsign is VIX - it is very...
rarely on the air, as its purpose is to monitor the main coast station network. It can transmit on all maritime bands in all modes (CW, SSB, TOR and DSC) if required. It uses SKANTI and ICOM equipment. A very rare catch indeed.... (QSL info: my email address....).

The national VHF "seaphone" network (used for VHF link calls) is totally remote controlled from VIB. This is suffering very badly from the large influx of mobile telephones in oz - the VHF network faces a very limited future and may well close shortly. Every man and his dog uses a cellular telephone on their boat now (despite marine notices from us warning of the inherent shortcomings of cellular telephones for distress and safety purposes).

The network is continually evolving, however rest assured that HF maritime services will be maintained in oz into the foreseeable future.

Despite what some would have us believe, the GMDSS is NOT only a satellite based system.

Long live HF...

++++++ AutoLink RT

Last month mention was made of Autolink RT - but what is it?

This is a proprietary system developed, manufactured and marketed by the Italian company Cimat s.p.a. and now used in thirteen countries round the world.

Where ship and shore are so fitted it is possible for the ship to direct dial the required number. The processing of this call is accomplished automatically thereby bypassing the conventional need to call a coast station manually, transfer possibly to a working channel, then pass the number verbally, before being connected to the required party.

The calling party tunes (MF/HF) his transmitter/receiver to those frequencies necessary for the required duplex channel to be used (the shore administration must indicate whether it has Autolink RT capability on said channel), or selects the channel on VHF.

A Personal Identity Number (PIN) is entered on the keypad of the controller or the handset (depending on model). Up to 99 PINs are used not only to control access to the unit but can also be used for charging purposes eg individual crew members, or ship departments.

Following the necessary prompts on the controller or handset's LCD display the required number is keyed in. The controller then causes the unit to generate a suitable data burst which triggers the shore Autolink RT computer. This proceeds to dial the number and connect the ship to the required party, thereafter metering the call time. On completion the relevant account will be updated automatically. Both national and international calls relative to the coast station are handled, all without operator intervention.

In addition scrambling facilities are available to provide secrecy of correspondence.

The shipboard equipment is easily installed. It is a unit connected between the RT handset and the transmitter. This means that it may be installed to equipment of any manufacture.

Analysis of the data signals shows what is in effect Audio Frequency Shift Keying. The two data tones are based on an offset of 2500 hz with a +/− 85 hz shift and running at 50bd (certainly on MF - it may be higher on VHF).

This is the extent of my technical knowledge on the data burst and that has been achieved by monitoring and analyzing with HOKA Code30. The coding of the various characters, and the format of the data burst is not known. It is also assumed that each unit has the ship's identity configured into it such
that this will be passed during the calling burst.

In monitoring a ship signal encryption was on and a short data burst was heard at (what appeared to be) the beginning and the end of each passage of speech. It is assumed the encryption algorithm was being changed.

Worldwide the countries so far to have fitted Autolink RT within their networks are Belgium, Croatia, Greece, Gibraltar, Italy, Malaysia, Namibia, Portugal, South Africa, Spain, Thailand, UK and USA. Not all administrations have the capability on all three spectrums eg Croatia, Greece and Gibraltar are VHF only, whilst USA is HF only.

A few frequencies for you to try.
USA (HF)  WOO on channels 422  826  1228  1631
          WOM on channels 805  1230
          KMI on channels 417  814  1229  1616
UK  (MF)  GND  1722/2066  (shore/ship)
         GND  3666/3252
         GNK  3528/3338
         GKR  3775/3335
Belgium (MF)  OST  1725/2069
RSA (HF)  ZSC on channels 424  803

It is possible (again administration dependant):

a. for a shore caller to send automatically a paging signal to the ship.
The on board user can reply immediately. If the equipment is off or they are out of range the shore system will store the call in a mailbox. This can later be accessed by the ship by dialling a short code, the display showing the number of the person who called and the call type.

b. by using two digit short codes call up special services - news, weather etc.

Finally it is possible to call ship-ship on appropriate frequencies. In this case there will be no charging but the secrecy facility is still operative.

My thanks to Cimat's Marketing Director Gregory J Marasco for the literature provided as my main source of information.

++++++ Portishead Radio/GKA - a visit

Late in October I was invited to visit British Telecom's maritime (and aeronautical) HF station Portishead Radio. My host was Operations Manager Peter Boast.

For those of you who might not be aware, Portishead Radio is a system rather than a single site. In fact the transmitter site at Portishead (the dormitory town west of Bristol and giving the system its name) closed in 1978.

The control station is at Highbridge (51.29N 2.48W) in the county of Somerset in SW England. It is no longer a receiving site in the true sense of the word as the receiving aerials (antennae) have gone and the receivers are remotely controlled. 15-20 miles away (50.43N 2.29W) on high clear terrain at the village of Somerton is the dedicated receiving station. The transmitters are at Rugby (52.22N 1.11W) halfway up England.

The service was started in 1920 with the control station at Highbridge being first built in 1924. Last year saw the 75th anniversary of the long range service. This was my third visit to Highbridge since the late 60's when I was a "Sparks" at sea. Each time there have been major changes - this time no exception - as services have evolved (all same Charles Darwin?) and waned according to the pressures of a commercial world. Currently there is a staff of 30 Radio Officers compared to 150 odd in the 70's/80's.

The receivers used at Somerton are Racal RA1792's. These have the ability to be remotely controlled through a panel MA1075 which equates to a normal
receiver panel. Between the two however is a microwave system handling control signals and audio in. The microwave tower is virtually the only aerial left at Highbridge.

The aerial farm at Somerton comprises a large number of rhombic aerials, sufficient to allow the operator to switch round the compass and cover all bands to 30 Mhz in 15 degree steps. You bet I'm jealous.

The RA1792 receivers are multi-mode receivers tunable either manually or via pre-programmed channels (x100) covering 150 khz - 30 Mhz with a resolution of 1 hz. This makes them ideal for use in whatever service they are employed. Somerton was developed in the early 80's when plans were the order of the day in British Rail to electrify the railway running adjacent to Highbridge.

Portishead Radio provides a number of services to the community on land and in the air as well as at sea.

HT RT

There are a number of similar operating positions in the RT room. Facing the operator is a bank of nine speakers. These are connected to receivers guarding the channels being watched. Each has a control to keep the noise down but also a piece of circuitry (a bit more sophisticated than mere squelch) which indicates by LED when there is activity on that channel.

At the console the operator has the ability to control two channels - each channel having an MA1075 receiver controller, line terminal, audio filters, aerial control, and a switch panel for patching the call to line and metering call connection time.

But it takes a transmitter as well a receiver to set up a link. Each console has a pair of transmitter controllers. The operator can therefore set up his transmitter to any frequency/mode he requires through this panel. Peter tells me they use 10 KW Marconi fast tune (MFT) types operating into 15-18 dB gain RLP antennas. Tuning takes less than 10 secs to accomplish. And if conditions are such that the heavy mob is required a steerable log-periodic can be brought into use. It takes a little longer (possibly up to 90 seconds) to rotate due to the weight involved!

Finally to hand is a PC based console giving the operator such online facilities as he may require eg call accounting. On the aeronautical console a selcal generator is fitted for alerting aircraft. On the maritime side the ship duplex channels are monitored. On the aeronautical side various frequencies are used in simplex RT mode as Portishead provides LDOC facilities for those air companies without their own HF radio network. However one company, British Airways, does have its own network (Speedbird London) but Portishead maintains a spare console at Highbridge to cover the eventually of equipment failure and provide instant backup.

Telex.

This is a completely automatic service. There is however a duty telex coordinator to provide operator cover should the need arise. In the (line) terminal room racks of Thrane & Thrane modems are in evidence. Even the remaining MF (2-3 MHZ) channels where the equipment is located at the coastal radio stations are remotely controlled from Highbridge.

NAVTEX

Part of his work as telex coordinator is NAVTEX. The UK has three 518 KHZ NAVTEX transmitters located at Portpatrick (SW Scotland), Cullercoats (NE England) and Niton (Isle of Wight, S England). All are driven from Highbridge and a channel check is maintained by a NAVTEX receiver.

CW.
Automation in the form of telex services has caused a large fall off in the traffic handled by CW so much so that current levels are such that only one operator is required on "search point". He continuously scans call channels 3 and 4 of the bands in use for ships calling. He takes the details (frequency) and enters them into the system issuing QRY (turn number, if necessary).

His colleague then takes over and takes/passes traffic as required. In taking traffic the message is typed straight into the local work station. This allows the operator to send it straight to line if the address is a DIRT LX number.

One interesting feature in the march of automation is the ongoing word count provided catering for all the rules in word counting. At the end of the message the operator can check this count against that in the message preamble and, if in agreement, immediately give a QSL. Time saver particularly where long messages are concerned.

If a slack period is encountered the search point operator may revert to a search and work mode.

Traffic lists and broadcasts are keyed via an MGJ keyer.

With automation the days (I'm told early-mid 80's) of labor intensive work points and long QRY lists are gone and it is unlikely that the CW service will survive much longer than two years.

Gateway.

I've mentioned the maritime and aeronautical side but not the land. To quote Portishead's brochure celebrating last year's 75th anniversary "This service [aircraft service] proved so popular that many land-based industries based in remote locations in Africa used the 'aero' frequencies culminating in the opening of the Gateway service, which continues to flourish to this day. Relief agencies, military units, embassies and industries still use the service, which acts as a lifeline to those located in countries where normal landline links are poor or non-existent."

Peter goes on to say about Gateway " that it's just another name for a point to point service - we work a lot of land mobiles especially in Africa (Land Rovers with HF radios etc ). We used to get a lot of traffic from Liberia during their recent troubles. We offer the same service on telex as well, but most of the traffic is on R/T - main channels [aero] are 8170  10291  14890 19510 and 20065."

DOC

No, not "What's up, Doc?" but Distributed Operational Control.

Rationalization of the coast radio station service in the UK is now such that the UK is divided into two regions, North and South, with Stonehaven/GND and Landsend/GLD the designated DWBS and BS stations respectively. DWBS stands for Distress Watch and Broadcast Station. Distress Watch is kept on 500 khz at these stations with strategically located receivers round the UK coast. Broadcast Station means that station controls simultaneously the weather/nav warning broadcasts (2-3 Mhz RT) from the stations in it's region. The computers controlling this operation are located at Highbridge.

GMDSS/DSC

In the UK the Coastguard is responsible for 2182 KHZ guard and for GMDSS DSC guard on MF (2187.5Khz). There are no plans at Highbridge for Portishead Radio to support a DSC commercial function on the appropriate channels.

So there you have it - GKA in a nutshell. My thanks go to Peter and his duty staff for a very interesting afternoon.

++++++ Brest-Le Conquet - a visit.
Whilst I was visiting Portishead Radio Geoff Halligey was in France on a twin-towns exchange visit. During this time he managed a visit to FFU and sends us the following item

"Perhaps few WUN members recall the original FFU, a powerful spark station located on the Ile d’Ouessant (Ushant), off the northwest coast of France.

Today, FFU is housed in a modern building on a cliff edge, overlooking the Atlantic Ocean, on the outskirts of the little village of Le Conquet, a few miles north of the important seaport and naval base of Brest.

As well as its own traffic, FFU also controls remotely Bordeaux-Arcachon (FFC) an a number of small VHF-only stations between St. Malo Bay and the Spanish frontier. Thirty radio operators provide 24-hour coverage of several frequencies through a dozen screened operating positions, channel selection being provided by computer control.

There is still a small amount of CW traffic on MF, but today R/T is the most usual method of communication here.

Frequencies in use are:

- 500 khz for calling and permanent distress watch.
- 443.5 khz for traffic (Traffic lists at every odd H+00)
- 520.5 khz for gale and navigational warnings

Preliminary calls are made on 500; 512 and 517 khz are alternatives, rarely used.

The main MF R/T frequency is 1635 khz (Traffic lists every even H+03), with permanent safety watch on 2182. Other frequencies dotted along the coast as indicated above are 1671, 1876, 2691, 2723, 2726, 3719, and 3722 Khz.

FFU, along with Boulogne-sur-Mer (FFB), Saint Nazaire (FFO) and Bordeaux-Arcachon (FFC) provide a medium range service to vessels in the English Channel and Atlantic seaboard; long distance traffic is handled by St. Lys (FFL, FFS, FFT). French rumors have it that all CW facilities have but another year to run."

Many thanks Geoff.

++++++ Oceanic yacht racing

This information was posted 17/Nov due to the start dates but a reminder cannot go amiss.

Global Challenge - Leg 2

This is due to commence 20/Nov with a 7000 mile hike round Cape Horn and through the Roaring Forties to Wellington, NZ. Their ETA is 30/Dec to 4/Jan.

Communications after the Horn will progressively be biased towards Sydney Radio but Portishead are expecting optimum openings using the 18 Mhz channels [1801] 19755(GKT18)/18780 and [1803] 19761(GKU18)/18786 circa 1000 (UTC) and using channel [1602] 17245(GKT62)/16363 circa 1600 or later. Sydney's main higher channels are [1203] [1231] [1602] [1612] [2203].

A reminder of the yachts with a more complete callsign list. Some tended to use callsigns rather than names during the first leg.

A.R.C. race.

Pagina 963
Some 120 yachts (don't ask who, I don't know) are due off from Las Palmas, Gran Canaria in the Canary Islands on 24th Nov heading for St Lucia on the eastern Caribbean. Communications-wise you might hear them daily around 1500 on channel [1602] 17245(GKT62)/16363.

Thanks Peter.

++++++ European NAVTEX developments

Keith Haywood has been keeping an eye on the NAVTEX channel (518 khz) and regularly noting changes.

The Irish authorities are trialing on the west coast of Ireland a transmitter with the ID [W]. No times are available as yet.

In the English Channel there appears to be areas of poor reception for the French Corsen transmitter [A]. As a result additional broadcasts of French navigational warnings are being radiated via the UK NAVTEX transmitter at Niton but using the ID [K]. The scheduled transmissions under this ID will be every four hours from 0140 whereas Niton's own transmissions under ID [S] are every four hours from 0018.

++++++ Canadian CGRS St. John's/VON ceases 500 khz watch

Also from Keith Haywood an advisory to the effect that from 31st Oct at 1330 Canadian Coastguard radio station St.John's/VON is no longer monitoring 500 khz and that all CW calls are being handled by St. Anthony. As far as VON is concerned there are no other changes in the levels of service, traffic list times/frequencies and transmitter location remaining the same.

++++++ Hong Kong Radio

Location: Hong Kong at 22.13N 114.15E

WT Service

Marker : "cq de VRX60 qsx channels 3/4/5/6"
Traffic lists: Every odd H+00 on 4232.5 8619 13031 17192
Weather: On 4232.5 8619 13031 17192 at 0118 and 1318

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<th>VRX</th>
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<td>H24</td>
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<tr>
<td>VRX61</td>
<td>13044</td>
<td>0000-1300</td>
</tr>
<tr>
<td>VRX81</td>
<td>16987</td>
<td>0000-1300</td>
</tr>
<tr>
<td>VRX80</td>
<td>17096</td>
<td>0000-1300</td>
</tr>
<tr>
<td>VRX82</td>
<td>17192</td>
<td>2100-1300</td>
</tr>
</tbody>
</table>

Telex Service

Station nr 4631 ---> selcal MCKX
Marker: "VRX" and tuning burst.
Watchkeeping: as shown
Traffic lists: In fec at 0000 04000 0800 1200 1600 on 8421.5 and 16821

<table>
<thead>
<tr>
<th>VRX</th>
<th>Ship</th>
<th>Chan</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>VRX23</td>
<td>6322.5</td>
<td>6271.5</td>
<td>618</td>
</tr>
<tr>
<td>VRX33</td>
<td>8421.5</td>
<td>8381.5</td>
<td>811</td>
</tr>
<tr>
<td>VRX34</td>
<td>8424.5</td>
<td>8384.5</td>
<td>817</td>
</tr>
<tr>
<td>VRX63</td>
<td>12585.5</td>
<td>12483</td>
<td>1213</td>
</tr>
</tbody>
</table>
RT Service

Watchkeeping: H24
Traffic list: At 0133 and 0733 on 4405

<table>
<thead>
<tr>
<th>VRX</th>
<th>Ship</th>
<th>Chan</th>
</tr>
</thead>
<tbody>
<tr>
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<td>4113</td>
<td>[417]</td>
</tr>
<tr>
<td>4417</td>
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<td>[421]</td>
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<tr>
<td>6510</td>
<td>6209</td>
<td>[604]</td>
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<tr>
<td>6516</td>
<td>6215</td>
<td>[606]</td>
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<tr>
<td>8749</td>
<td>8225</td>
<td>[811]</td>
</tr>
<tr>
<td>13167</td>
<td>12320</td>
<td>[1231]</td>
</tr>
<tr>
<td>17350</td>
<td>16468</td>
<td>[1637]</td>
</tr>
<tr>
<td>17389</td>
<td>16507</td>
<td>[1650]</td>
</tr>
<tr>
<td>22744</td>
<td>22048</td>
<td>[2217]</td>
</tr>
<tr>
<td>22816</td>
<td>22120</td>
<td>[2241]</td>
</tr>
</tbody>
</table>

Address:
Hong Kong Radio
Hong Kong Telecom
Telecom House,
3 Gloucester Road,
GPO Box 597
HONG KONG

Research/Acknowledgements
ALRS Vol.1 + Vol.3 (96/97)
Brannolte/Siebel SEEFUNK
CFL Ed.9

+++++

I've had to drop a second Station Overview, an Article on the Abuse of GMDSS HF channels, and Shipping snippets this month so as not to overburden the Internet and the Electronics Editor but there's always next month. Have fun - Day.

============================================================================
New Products, Books, News and Reviews
Rick "RD" Baker, editor
1352 Cavalcade Dr., Austintown, Ohio 44515-3844, USA
utelistener@msn.com or ae411@yfr.ysu.edu

Items to be reviewed, information about new products, books, software, or events that would be of interest to the WUN membership, send them in care of this column (not via the clubs D.C. address to save mail costs)

Hello gang, we're back again with some more goodies for you. First, I am deep in the middle of testing and/or playing with the Hoka Code 3 Gold (I say evaluating and testing; my wife says 'playing' -hi!). I expect to have that review done for next month's issue (which will come out early due to Christmas). Now, on with this month's show:

NEW PRODUCT RELEASES
- Klinguenfuss Publications has announced the publication of three new products for early December:
  - 1997 Shortwave Frequency Guide;
  - 1997 Super Frequency List on CD-ROM;

Pagina 965
The 1997 Shortwave Frequency Guide is the printed version of their Super Frequency List on CD-ROM. It includes all final 1997 clandestine, domestic and international broadcast schedules worldwide (available not before mid-November). Their release states, "unlike conventional handbooks that waste ten weeks or even more, our Shortwave Frequency Guide is produced and distributed here in Europe within only ten days. What's more, this is the very first international publication that combines both worldwide shortwave broadcast and utility radio stations in one handy volume - at a sensational low price."

"The 1997 Super Frequency List on CD-ROM - already in its third edition! - has developed into a real best seller and already constitutes the international quasi-standard. The new edition now includes about 40,000 entries with all clandestine, domestic and international broadcast stations worldwide plus all utility and formerly active radio stations as well. The broadcast schedules are available as a standard.dbf file for open access."


* For detailed descriptions and some sample pages surf over to: http://ourworld.compuserve.com/homepages/Klingenfuss/

**More from Klingenfuss**

Klingenfuss Publications is now distributing the new Wavecom W41PC DSP data analyzer and decoder card for Windows 95 PC systems. Their release says "this professional equipment is now available and it is really the ultimate decoder. We will start distribution in early December and our "waiting list" is now open." For more information and a detailed description with some sample color screen shots please refer to http://ourworld.compuserve.com/homepages/Klingenfuss/

For more information on the Klingenfuss products, contact Klingenfuss Publications, Hangenloher Str.14, D-72070 Tuebingen, Germany. (Phone 49 7071 62830) or by e-mail 101550.514@compuserve.com

**Short Wave Booster by Darcy Signal Enhancement**

Darcy Jabs (djabs@awinc.com) forwarded some information on a product he makes and sells. Called the Short Wave Booster, it is said to work as follows.."if you are trying to listen to a signal that is weak or hard to hear my booster will make a dramatic improvement, weak signals will come in loud and clear, and it will cover the longwave band, AM Broadcast band (medium wave), and shortwave."

"I made the first one for my own use I knew it would be an excellent product for other shortwave listeners to buy. I have been constantly improving it to make it the best it can be while keeping the price as low as I can. MY SHORT WAVE BOOSTER is gaining world wide recognition as one of the best on the market, it has been favorably mentioned by Glen Hauser on his WORLD OF RADIO shortwave radio program. Loren Cox Jr. from the magazine REVIEW OF INTERNATIONAL BROADCASTING tested my booster, he said "The unit is an excellent active antenna." Marc Bulmer of the Southern Cross DX Club said "The booster is fantastic! The difference it makes is unbelievable. The Short Wave Booster is an amplified tunable preselector/booster, it goes between your antenna and your receiver and is connected to your receiver's external antenna jack. It uses two transistors one of which is a Field Effect Transistor which provides high gain with a low noise figure. This booster will work with any receiver that has an external antenna jack or terminals."

Other features:
- Selective tuning 150 kHz to 30 Mhz.
- 30 inch built in antenna (external antenna may be used)
- Gain control
- Automatic antenna by-pass
- Powered by 9 volt alkaline battery (not included) or any other 7.5 to 14 volt DC power source.
- Switchable Broadcast Band Filter
The price of this unit is U.S.$64.95, plus U.S.$8 US for shipping and handling via money order or certified check made payable to Darcy Jabs. If your interested, Darcy can send you a .BMP picture of the unit, or you can write, call, or e-mail him at: Darcy Jabs, RR2, Burns Lake, BC, Canada, V0J 1E0 or Ph.# (520) 694 3760, E-mail djabs@awinc.com

NEWS

o Allan Rosewarne sent some info that may benefit those with e-mail access only to the internet:

"I only have access to an E-mail account through my company. Therefore reference to USENET is very restricted. I have found a service, In-Reference Inc., which will search recent USENET archive based on find parameters and filters. I discovered this, through my local library, which has WEB access on in-house terminals, at http://www.reference.com. If one wants to try this out and you have E-mail only, E-mail to <user-manual@reference.com, with 'help' in the message body, and you will receive back an eight page user manual for how to have search inquiries Emailed back to you. Besides USENET they archive "select publicly-accessible e-mail lists", also." "This might be something those with E-mail only accounts might try!"

Thanks Allan...

o FTP Mail News

Wayne Smith sent this information about FTPMail in reply to his attempt to access:

"THIS SERVICE HAS BEEN CLOSED. We are sorry but due to charging changes within the University Internet community, the ftpmail server at the University of Wollongong has been shutdown. With the spread of the Internet via ISP's, it no longer seems necessary to offer an FTPMAIL gateway. The following is my most up to date listing of sites which may still be offering an FTPMAIL service.

ftpmail@ftpmail.ramona.vix.com (USA)
ftpmail@src.doc.ic.ac.uk (UK)
ftpmail@census.gov (USA)
ftpmail@doc.ic.ac.uk (GB)
ftpmail@sunsite.unc.edu (USA)
bitftp@pucch.princeton.edu (USA)
bitftp@vm.gmd.de (Germany)
ftpmail@ftp.uni-stuttgart.de (Germany)
ftpmail@ftp.luth.se (Sweden)
bitftp@plearn.edu.pl (Poland)
ftpmail@ieunet.ie (Ireland)
ftpmail@ccc.uba.ar (Argentina)

pdg

Peter Gray E-mail: pdg@uow.edu.au
Information Technology Services
University of Wollongong Phone: +61 42 213770
N.S.W. 2522 Australia Fax: +61 42 291985

Thanks Wayne for the update...

SOFTWARE

o SWLOGit

David Toste the author of SWLOGit, which is a DOS based logger for SWL's. It's has been around almost 3yrs. But as David writes "with changes in PC's and OS's, it comes time to change SWLOGit to keep up to times with the rest of the world and has come time to go MS-Windows. The Windows version will still provide all of the options that users have enjoyed using in the DOS version. Since windows is more flexible I would like to add more to allow more of the shortwave hobby to be added to the program. The current version is more based for the general listener. But now I'm in need of help from the Utility Listeners. I am looking for feedback from listeners as to what they
are looking for in a logger. I would like to create a one-stop shop program.
Where users will not have to run multiple programs. Basically what I'm
looking for is what they, as a user, wants. What options do they want to be
able to log into their logger for future lookup."

If you can help Dave with some ideas, drop him a line at:
aa521@torfree.net or via snail mail at: David Toste, 19 Cedarwood Crescent,
Brampton, Ontario, L6X 4K1, Ontario, Canada

That's all for this month. We'll be back next month with more News &
Reviews to help you enjoy the world of ute listening.

THE QSL REPORT

Editor: Martin C. Barry (martin.barry@medspec.com)
6875 Fielding #02
Montreal (Quebec)
Canada H4V 1P3

STATION/VERIF/CALL/FREQ/MODE/TYPEx QSL/NO.DAYS/REMARKS/CONTRIBUTOR

FIXED STATIONS
Pointe des Sables, MRT/FUF 8478.5 CW CRD 51 ds 4th try and $1 (JDS)
La Coruna R. NAVTEX, E/EAR 518.0 SIT PFC 40 ds letter (KMH)
MRCC Dublin NAVTEX 518.0 SIT PFC 28 ds test via Valencia R. (KMH)
CFARS Golan Heights/VXV9 14383.5 USB PFC 81 ds letter (AI)
CFARS Topsail/CIW816 14383.5 USB PFC 95 ds ham card, letter (AI)
CFARS Prijedor/CIS91 14383.5 USB PFC 96 ds limited ham card (AI)
NDB Amilcar Cabral/SAL 274.0 CW LTR 31 ds mon in CNR (AI)
NDB Santa Maria/SMR 323.0 CW LTR 74 ds mon in CNR (AI)
NDB Sao Miguel/MGL 371.0 CW LTR 74 ds mon in CNR (AI)
NDB Failal/FIL 380.0 CW LTR 74 ds mon in CNR, f/up (AI)
IPS Beacon/VL8IPS 14405.0 CW LTR 16 ds info, sticker (AI)
Yangon Aero, MYA 10066.0 USB LTR 182 ds f/up, 7th try! (AI)

MILITARY/COAST GUARD SHIPS
FGS Brandenburg/DRAH 8335.5 USB PFC 29 ds postcard (IB)
USAV Macon/AEHR 11175.0 USB PFC 76 ds sticker (IB)
FGS Breitgrund (Y-866)/DRXS 3116.0 USB PFC 12 ds (AI)
FGS Juist (Y-1664)/DRNM 3116.0 USB PFC 11 ds (AI)
FGS Passau (M-1096)/DRFJ 3116.0 USB PFC 15 ds (AI)

CIVIL SHIPS
M/S Leeward/3FKM5 4098.0 USB PFC 55 ds foto (IB)

CIVIL AIRCRAFT
Airtex Aviation/VH-IGN 8867.0 USB PFC 22 ds letter, foto (IB)
Sabre Airlines/G-BPND 8960.0 USB PFC 23 ds letter, sticker (IB)
Solomon-701/VH-TJB 8867.0 USB PFC 92 ds postcard (IB)
Whirlpool Corp./N1904W 8864.0 USB PFC 34 ds (IB)

MILITARY/GOVERNMENT AIRCRAFT
CIE-001 Czech Govt./OK-VCP 8861.0 USB PFC 24 ds photo (IB)

MARITIME/NAVAL/COAST GUARD STATIONS
Goteborg Radio/SAB 12652.0 ARQ QSL 31 ds part data f/Cal addr (JDS)
Tofino CG Radio/VAE 4125.0 USB LTR 26 ds part data, brochures (JDS)
Norddeich Radio/DAN 8483.5 CW QSL 19 ds ltr abt closing xmsn (CK)

MARS STATIONS
USS Klakring/NNNOCBU 14441.5 USB PFC 47 ds letter, patch, foto (IB)
Lexington, KY/AFF2CP 14606.0 USB PFC 15 ds (AI)
Shelbyville, IN/AFA1EN 13927.0 USB PFC 14 ds (AI)
Shelbyville, IN/AFA1FT 13927.0 USB PFC 14 ds (AI)

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THE LITTLE BLACK BOOK

The following addresses correspond to some of the QSL's listed above:

Station Pointe des Sables/FUF
Marine Nationale
Zone Maritime Antilles
S.T.I.R. Fort de France
B.P. 619
Fort de France
Marine CEDEX
Martinique

CFARS Golan Heights/VXV9
Commander
Canadian Contingent
United Nations Middleast
Attn: Cpl Herb Marr
CFPO 5002
Belleville, ON
Canada
K0K 3R0

CFARS Prijedor/CIS91
Mr. Jeff Wood
22 Laroche Crescent
Petawawa, ON
K8H 3H4

Yangon Aero
Department of Civil Aviation
104 Strand Road
Yangon
Myanmar

As an added bonus to the Little Black Book this month -- kind of a pre-Christmas present -- we are printing a list of U.S. Naval Air Station (NAS) addresses. There are 15 of them this month. The other remaining 15 will follow next month. Good hunting!

NAVAL AIR STATION
250 MALL SQ
ALAMEDA
CA
94501-5000

NAVAL AIR STATION ATLANTA
MARIETTA
GA
30060-5099

NAVAL AIR STATION
BARBERS POINT
HI
96862

NAVAL AIR STATION
551 FITCH AVE
BRUNSWICK
ME
04011

NAVAL AIR STATION
CECEL FIELD DET
PO BOX 84
ASTOR
FL
32002

NAVAL AIR STATION
Pagina 969
The following are verifying signatures (v/s) on QSL's received from individuals to whom reception reports sometimes can be specifically addressed:

FUF/Martinique: Le Major Radio Claude Carval
- Chef de la Station Reception
USS Klakring: RMCS (SW) Mehl D. Hart
Tofino C.G.: A. Henry
NDB Amilcar: Mario Paixao Lopes, ITA, Chief of Navaids Service
Yangon Aero: Thet Lwin, Radio Engineer, Yangon Int'l Airport

CFARS Golan Heights: CPL L.A. Barnett

# # #

THE GRAPEVINE: ANDREAS IBOLD provided the following information regarding his QSL from CFARS Prijedor: "The station was located on a hilltop near the town of Prijedor, about 160 km north of Sarajevo, Bosnia-Herzegovina. The station was in an army truck which was there for military communications purposes. The equipment used was a Kenwood TS-450-S(AT) All Mode transceiver and a dipole antenna cut for 14.200 MHz." He notes too that while the QSL from CFARS Golan Heights was forwarded to him by CPL HERB MARR, the verifying signature on it was that of CPL L.A. BARNETT (listed above) at the separate postal code K8N 5W6 ... Concerning his veri
from USS Klakring, IAN BAXTER says that the signer, RMCS (SW) Mehl D. Hart, "says he will be stationed onboard the Klakring until November 16th, 1997" ...

JACK SIPPEL who just recently caught the QSL bug sent in the following comments: "The little black book is probably a huge black book in everyone's office/den/shack. Rather than having to search back through all of the WUN newsletters to see if there is a current address for someone I would like to QSL, I think it would be great if there were a text file (or even better a database with a query!) in the WUN Web page. You wouldn't have to start out with a full database -- you could add only the addresses listed in the newsletter each month." Well, this is certainly something to consider, Jack. I'm not sure just how WUN's Web resources now stand for a project of this kind. And I guess too that it would depend on the amount of interest by other Wunners for a facility like this, and also whether there's anyone who could spare the time to work on it. So let's begin by throwing it out to the electorate: is there anyone out there who thinks an address database of some sort along these lines would be useful to us? ... And as always, your comments, hints and suggestions are always welcome. Additional information and trivia that often accompanies verifications (antennas and transmitters used, locations, etc.) is of interest and might prove useful to fellow QSL'ers. Send it all to The Grapevine c/o The QSL Report ...

# # #

/// Spanish Cover Letters and Tutorial ///

This month we are continuing with our multilingual reception report project, this time featuring cover letters and a short tutorial in Spanish. Thanks go out for their time and translation efforts to Alex Wellner and Jean-Louis Querton. Alex has included with his translation a glossary of key terms in SS that might be helpful.

Alex's version:

Jefe de Ingenieria
Stacione........

(Date)
Estimado Senor,
Tengo.......anos, y escucho radioestaciones no radiodifusoras desde.....
Escuchar la radio es mi pasatiempo de gusto.
Recientemente tuvo el gran placer a estar la escucha de las emisiones
de su estaciones.........el...........de...........a...........UTC,o......
a....de sur hora local, en una frecuencia de...........KHZ,...........metros
Onda Corta, clase de emision........
La langua utilizada fue ........, por un hombre, una mujer.
Las cualidades de su senal estaban:
Fuerza de la senal: Bien/debil
Interferencia: no habia/poca/moderate/desde estacione........... a KHZ.
Mi receptor es de tipo para comunicaciones profesionales hecho por.....
Kenwood/Icom/Yaesu/ NRD. Mi antena es de alambre larga con ......metros/
diapole..... metros
Mas abajo incluyo algunos detalles de su programa;
(Progamme details)
Se este informe de recepcion verdadermente mi recepcion de su estacion,
apreciara mucho una tarjeta de verificacion/QSL. Para este fin encluyo un
formulario preparado de tarjeta/cartay franeque de devolucion.
Esta verificacion me es sumamente importante.
A Usted le doy muchas gracias para tomarse tiempo y esfuerzo a leer y
contestar a este informe de recepcion.
Con saluto cordiales

JOHN CITIZEN
(Address)

Equivalent English text:

Chief of Engineering
Station........
Address

Pagina 971
Dear Sir,

I am... years old, and I have been listening to Utility radio stations since..... Listening to radio stations is my hobby.

I have great pleasure reporting the reception of your station.........
on........from......to......UTC which is...........till........
your local time, on a frequency of...........KHZ,...........metres Short wave.

Type of signal heard was:...........CW/RTTY/Voice.
The language heard was:...........by a male/female.
The quality of your signals was:

Signal strength: Good/weak

Interference: nil/little/moderate/for a station...........

My radio is a communications receiver made by:Kenwood/Icom/Yaesu/NRD.

My antenna is a longwire of ......meters/Dipole....meter.

I made the following notes of your transmission:

(Details)

If my reception is correct, I would appreciate very much a verification card, (QSL). I am enclosing a prepared card and return postage to cover mailing cost.

This verification is very important to me.

Thank you very much for your time, spent verifying my reception.

Greetings etc.

Special Note: I have to stress here, that in Spanish the accent on some letters like n and i can make a lot of differencia, therefore everyone using this report should have a spanish dictionary to add the accent marks after typing the letter. Also important to have a glossary of terms for the months, days of the week, and words like callsign, ship, airplane, etc. Hope this will be useful to everyone. I am using a similar report guide for SW stations with a 72% return rate.

Spanish Glossary Terms to Help With Letter:

January  Enero       February  Febrero       March  Marzo
April    Abril       May       Mayo         June  Junio
July     Julio       August   Agosto        Sept.  Septiembre
October  Octubre     November Noviembre     Dec.  Diciembre

Monday  Lunes      Tuesday  Martes        Wednesday  Miercoles
Thursday  Jueves     Friday  Viernes       Saturday  Sabado
Sunday  Domingo

one   uno      two   dos       three  tres      four   cuatro     five  cinco
six   seis      seven  siete    eight  ocho    nine  nueve     ten  diez
eleven  once     twelve  doce    Thirteen  trece    fourteen  catorce
fifteen  quince  sixteen  dieciseis    seventeen  diecisiete
eighteen  dieciocho  nineteen  diecinueve twenty  veinte
thirty  treinta        forty  cuarenta        fifty  cincuenta
sixty   sesenta        seventy  setenta      eighty  ochenta
ninety  noventa        hundred   ciento

Voice  voz  mirror  espejo   (Voice Mirror) espejo de la voz
working = trabajando   calling = llamando a
 cw  = continuosas   RTTY = radioteletipo   Voice = voz
Maritime/Aeronautical = emision maritima/aeronautica
working unidentified ship/aircraft = trabajando con un barco
desconocida(ship) or una aeronave estacion desconocida (aircraft)

I again emphasize the need for a dictionary to put in the accent marks, after the letter is typed.

Jean-Louis' version:

Estimado Senor,

Soy un auditor de ondas cortas en ______ [your town] ______ [geographical coordinations] en ______ [your country]. Como passatiempo, escucho las bandas HF. Soy igualmente un radio-aficionado con licencia ______ [your call sign].

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El ___ [date] a ____ [time] ora GMT, tuve el placer de captar su emission _____ [transmitter identification] en _____ [frequency] kHz en ____ [mode].

Le comunico que la calidad de vuestra senal que recibi era de ______ (SINPO). El equipo de recepcion esta compuesto de un receptor ______ [brand, type], de una antena _______ [antenna description, height, orientation,...].

Coleciono igualmente las cartas QSL de las estaciones que escucho. Seria para mi un gran placer poder agregar a esta coleccion la carta de su estacion. Si usted tiene tiempo, me encantaria que pudiese verificar (QSL) si la recepcion es exacta.

Ruego encuentre aqui junto una carta imprimida (PFC=Prepared Form Card) a completar, ya franqueada. Muchas gracias por el tiempo que usted quiera consegarme. Reciba mis mas atentos saludos.

__________ [your signature]

Thanks to this month's contributors:
(JDS) J.D. Stephens, USA
(IB) Ian Baxter, England
(AI) Andreas Ibold, Germany
(CK) Costas Krallis, Greece
(KMH) K.M. Haywood, England

===========================================================================
# UTILITY ROUNDUP #
[ editor: Ary Boender ary@bitbike.com 2:283/512.24 ]

Howdy folks! I have a lot of different items for you this month thanks to contributors Borje Forssell, Vaino Lehtoranta, David Crawford, Ian Wraith, Karl-Arne Markstrom, Al Quaglieri, Mike Chace, Gordon Thompson (VOA), Ronny Peeters, Fabrizio Magrone, Dirk v.d. Wal and the gang who contributed to the 'Police on HF' series. Thanks a million! Enjoy -Ary-

LORAN & OMEGA
--------
Although the discussion is still going on, it is very likely that NELS (Northern European Loran System) will get a sister in the Mediterranean area 'SELS' (Southern European Loran System). The plans are to keep the present Mediterranean chain (after brushing it up) and to install another one in western Spain and Portugal (including the Azores and Canary islands). There have been (and still are) conducted lots of discussions between the present and presumptive host nations. The Russians are very eager to get a connection to their Crimea station of Chayka. There will be ties to NELS via the French station at Soustons. I will keep you posted when more info comes available.

While LORAN's future in Europe seems to be safe, the future of LORAN in the Americas is still uncertain. It is a rather pointless discussion in my opinion as LORAN was officially declared to be the terrestrial backup for GPS/GLONASS earlier this year.

The OMEGA situation is clear though; no mercy for them. The OMEGA system will close down in September 1997. It is uncertain if this will effect the existence of the Russian ALPHA stations.

More weird stuff
----------
Weird stuff is not only copied in the Far East but has been heard in the America's and Europe as well. In addition to Alex Wellner's list of weird Pacific stations (see last month's column), I have a bunch of others for
you. A summary:

- Europe: 25073, 26135, 26150, 26200, 26350, 26500, 26635, 26850, 26695, 26745, 26865, 29750, 29800 kHz. Digital bursts are copied on all freqs. Most probably pagers of some sort. The same kinda signals have been copied in the USA as well on a number of these freqs.

- Brazil: 25275 - 25475 kHz; pagers both text and voice.

- Central & Mexico: 26010, 26050, 26330, 26380, 26420 kHz. Full duplex automatic telephone link. Multiple stations on each freq, return links not identified. Have been heard in the USA during E and F skip band openings. Mostly Spanish language. Between 26965 and 27405 kHz, you might notice a rather extensive network of non-automated, simplex, AM mode telephone circuits on EVERY American CB channel. There are usually 2 or 3 base stations going simultaneously on each channel, each with its own operator IDing as "base" and working some numeric mobile designator. Dial & ring tones, and 3-tone paging can be heard.

- 27552.3 Unid CW beacon FU06 (formerly S52), ID and long dash every 4 mins, heard frequently, probably Latin American location. WHOISIT?

- Unid Latin American duplex telephone link, exact location unknown. Carrier is active continuously during calls, weak audio, only one side of phonecon audible. Copies of the modulated carrier appear at 5 KHz intervals around base carrier. Entire signal runs 20-30 KHz wide. A 1000 Hz tone is heard briefly when the circuit is activated. Noted on many freqs including 29715, 29805, 29835, 29850, 29865, 29895, 31525, 31615 and 31650 kHz. No return links traced.

- Argentina: 29880 - 29980 kHz AM mode nets at 10 kHz intervals, with many stations on each freq.

- Canada: pagers at various locations. Freq 30020 kHz.

Voice scrambling

Ian Wraith, Karl-Arne Markstrom and Al Quaglieri discussed a voice scrambling system on WUN recently. As systems like this can be heard on many freqs in the 2-4 MHz bands, I thought that the subject would also be of interest for those of you who are not connected to the server. Ian copied a scrambled voice system on 2.276 MHz and on 2.271 MHz. The system starts each time with a short burst of what sounds like 50 bd RTTY then what sounds like TDM analog voice scrambling and then at the end another data burst. It tends to come active in the early evening around 18.00 hrs GMT. One side of the conversation is S7 in Northern England while the other side is much lower around S2.

Karl-Arne explains the system: it is encrypted intership and ship-shore communications between fishing vessels and/or shore stations or point-to-point communications, for example oil rigs, regarding "business-critical" matters, using the S.P. Radio (Sailor) CRY2001 Scrambler (Voice Encryption Unit), which is quite popular among the North Sea fishing community. It is a unit which primarily is designed for VHF circuits, but also gives reasonable results on ground-wave (non-fading) MF/HF circuits, and it functions by using a combined TDM and FDM encryption process. The FSK burst at the beginning and end of transmission is the exchange of key decryption parameters for each transmission pass.

Al chipped the following info in: it's called "rolling code" scrambling. Usually what happens is the speech is sliced up like a loaf of bread, then the loaf is reassembled slice by slice in a different order. The burst of RTTY contains instructions telling the receiving unit how to reconstitute the scrambled slices into the original loaf configuration. The sequence changes with each transmission, necessitating the sending of a new key (rtty burst) at the top of each keydown.

Channelmarkers... more evidence
Another piece of evidence for the 'P-beacon' = Russian Navy Kaliningrad. On 3291 kHz 'P' was noted in CW, it changed to about 5 minutes of 36-50 traffic. As soon as the 36-50 went off-air, the 'P' returned. Since 36-50 is exclusively Russian Navy, that backs up the theory.

Feeders continued....

Right after the October newsletter was published, VOA's Gordon Thompson contacted us for a VOA feeders update. On 28 October Plant A at Greenville, NC, stopped broadcasting via feeders. All feeds are on satellite now. Plant A’s transmitters GA-10 and GA-11 are TMC GP-40 kW, 40 kilowatt sidebanders that can send USB, LSB and ISB. GA-10 was used on 10235 and 13491.5 kHz and GA-11 on 7651 and 10434 kHz. Thanks Gordon! Much appreciated.

Fabrizio Magrone writes to tell that Radio Kiribati doesn't use 14802 kHz anymore but full carrier 9825 kHz. OK, you can scrap this one too folks.

Police on HF, pt 2

- Argentina: in addition to last month's freq: 4575, 6920, 8050 kHz, Police Federal
- Morocco: mode USB, 5480 kHz

- Italy:
  The Carabinieri was established at the end of the last century as a special army corps. They still have both military and civilian duties and are the responsibility of the Ministry of Defense. The Carabinieri is present in every Italian town, even in the smallest ones. Sometimes a garrison consists of only two or three people. The Carabinieri are the most respected of the Italian police forces.

  Callsigns:
  IUU    - Carabinieri Rome
  IEA 20  - Carabinieri Rome
  IEA 21  - Carabinieri Torino
  IEN 21  - Carabinieri Padova
  IEN 37  - Carabinieri Gorizia

  Modes: USB, baudot 50bd / shift 170hz, bit inversion. Encrypted traffic. RTTY traffic between 06.30 and 17.00 UTC

  Freqs: 4602, 5025, 5075, 5395, 5761, 6747, 6811.8, 7598, 8056, 19340 kHz

The Polizia are the responsibility of the Ministry of Interior and they are present in every major Italian province town and they respond locally to the Questore (chief of police) who represents the Ministry of Interior.

  Callsigns and selcalls:
  IPR 34  - Polizia Genova
  IPR 44  - Polizia Rome
  IPR 36  - Polizia Milan
  IUV 41  - Polizia Rome
  IVV    - Polizia Rome
  VQIR, VQIT, VQUO, VQUD, VQRU, VQER, VQET, VQZT (unid stations)

  Modes: USB, SITOR-A; Encrypted traffic. Test messages are usually in plain text.

  Freqs: 4492.2, 4802.8, 4805.8, 4833.8, 4837.8, 4840.8, 4847.8, 4877.8, 5085.8, 5587.8, 5735.8, 5810.0 7795.8 kHz

4490 is the only frequency so far logged in USB. Sporadic traffic early in the morning (05.00-07.00 UTC). The link with MOI Rome is on 4487.8 // 7595.8 kHz.

Sample test message of Police Rome on 5810 kHz

Pagina 975
The Guardia di Finanza is a special force established by the Ministry of Finance. Being specialized in fiscal and monetary crimes, they are the most hated and feared Italian police force. They investigate and check tax declarations, VAT, excise duties, contracts and licences, etc. The Guarfi can be quite nasty at times :-)  

Callsigns:  
IER 20 - Guarfi Rome  
IER 23 - Guarfi Genoa  
IER 27 - Guarfi Venice  

Modes: Baudot 50bd, USB  
FREQs: 2456, 2747, 3365, 3873, 5160, 5190, 5300, 6465, 6812, 7650, 8110, 9303, 10506.5, 11541 kHz  

French:  
The Compagnie Republicaine de Securite (CRS) was formed in 1944. CRS is part of the French police but has special tasks like the protection of the President and other officials. CRS mobile units also act as highway patrol, life guards and mountain rescue teams.  

Modes USB, CW, ARQhE3. Freqs: 4529 4585 4928 5033 5265 5274 5365 5395.5 5800 6855 kHz  

CRS uses callsigns FIS and FSS, both followed by a 2 or a 3 + the number of the department, i.e. CRS Lyon has been copied with both FIS369 and FSS369 callsigns and CRS Pau with FIS264 and FSS364. The different callsigns are mission related and possibly also indicate various departments/units in the same area.  

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</table>

*Pagina 977*
A network of the Gendarmerie Nationale can be heard on 4506.5/4507.7 kHz from 08.00 UTC. USB and 75bd/400Hz Baudot are being used. Normally there will be a callup in USB after which the RTTY session will start on 4507.7 kHz. All units were using 'Charlie' callsigns. Similar transmissions were also logged on 5438.5 kHz, this time 'Golf' callsigns were used.

Other Gendarmerie stations:
- FVA 33 - Nantes
- FVA 80 - Rosny-sur-Bois
- FVC 20 - Orleans
- FVC 25 - Montargis
- FVC 27 - Pithiviers
- FVC 47 - Gap
- FVJ - St. Herblain
- FVK - Bordeaux
- FVL - Limoges

o Lebanon: mode SITOR-A; 14613.7 kHz. Escadron Mobile Beirut (FVI 90)

o French Guyana: mode ARQ-E3. Cayenne 20756.4 kHz

o Reunion: mode baudot 75bd; clear and encrypted text. 5141.5 kHz; the frequency is used by various police stations on Reunion Island to send reports to their HQ in St Denis. Transmissions always start with ops chat in USB on the same freq.

o Australia: South Australian Police (VKA/VKB) 5181.5 is the main frequency used these days. There is a callup statewide every morning at 09.00 local time (23.30 UTC) of police stations all over South Australia.
Kimba               2317.5  3821.5  5181.5  7801.5  10296.5
Kingscote           2113.5  2317.5  3821.5  5181.5  7801.5  10296.5
Kingston            2113.5  2317.5  3821.5  5181.5  7801.5  10296.5
Leigh Creek         2317.5  3821.5  5181.5  7801.5  10296.5
Mannahill           2317.5  3747.5  3821.5  4561.5  5181.5  7661.5
Marl                2317.5  3821.5  5181.5  6985.0  7331.5  7801.5  10296.5
Marree              2317.5  3821.5  5181.5  6906.5  7801.5  10296.5
Mimili              2317.5  3821.5  5181.5  7801.5  10296.5
Mount Terrible      2317.5  5181.5  7801.5  10296.5
Oodnadatta          2317.5  3373.5  3821.5  5181.5  5946.5  7801.5  7957.5  10296.5
Penong              2317.5  3821.5  5181.5  7801.5  10296.5
Peterborough        2317.5  3747.5  3821.5  4561.5  5181.5  7661.5  7801.5  10296.5
Pipalyatjara Community 2317.5  3821.5  5181.5  7801.5  10296.5
Port Augusta        2317.5  3821.5  5181.5  7801.5  10296.5
Port Lincoln        2317.5  3821.5  5181.5  7801.5  10296.5
Port Pirie          2317.5  3747.5  3821.5  4561.5  5181.5  7661.5  7801.5  10296.5
Roxby Downs         2317.5  3821.5  5181.5  7801.5  10296.5
Summertown          2317.5  3747.5  3821.5  4561.5  5181.5  7661.5  7801.5  10296.5
Streaky Bay         2317.5  3821.5  5181.5  7801.5  10296.5
Summertown          2317.5  3821.5  5181.5  7801.5  10296.5
Summertown          2317.5  3821.5  5181.5  7801.5  10296.5
Tarcoola            2317.5  3821.5  5181.5  7801.5  10296.5
Victor Harbor       2317.5  3821.5  5181.5  7801.5  10296.5
Whyalla             2317.5  3821.5  5181.5  7801.5  10296.5
Wirrulla            2317.5  3821.5  5181.5  7801.5  10296.5
Woomera             2317.5  3821.5  5181.5  7801.5  10296.5
Yalata              2317.5  3821.5  5181.5  7801.5  10296.5
Yankalilla          2317.5  3821.5  5181.5  7801.5  10296.5
Yunta               2317.5  3747.5  3821.5  4561.5  5181.5  7661.5  7801.5  10296.5

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o Australia: West Australia, Queensland, Northern Territory and New South Wales will follow next month. I am looking for police freqs in the rest of Australia. Who can help?

Sources: Special Frequenzliste, WUN, Mohammad Sultan, Dirk v.d. Wal via DX-Antwerp, Dave Gentile, Rick Baker, Eddy Waters, Sebastien Spadotto and the rest of the gang... Thanks!

Belgacom

Our friends Ronny Peeters and Dirk van de Wal from DX-Antwerp published this list of Belgacom freqs some time ago. Oostende Radio is using these frequencies towards Africa. Now the Belgians have sent humanitarian help to Zaire, some of these freqs are activated again. 16216 kHz is very busy at times. Flemish (Dutch) and French are mostly used. 99% of the traffic are phone patches.

ORI-20  10224  ORI-33  13810  ORI-27  17538.5  ORD-21  20951
ORI-30  10330  ORI-23  13987.5  ORI-28  18467  ORD-42  22935
ORI-40  10653  ORI-64  14360  ORI-58  18522.5  ORD-23  23148
ORI-50  10725  ORI-34  14392  ORI-37  18526.4  ORD-33  23410
ORI-60  10760  ORI-24  14396  ORI-38  18733.5  ORD-22  23477.2
During previous actions in Rwanda etc., I copied the Belgians many times on the above freqs. 16216 kHz was normally the most active one. The units in Africa always used 'Yankee' callsigns. I heard the following bunch during the Rwanda actions: YAN, YCM, YDA, YDE, YDG, YJC, YKI, YKS, YLA, YNS, YPC, YPF, YPM, YSA, YSM, YSY, YYB, YYK, YYR and YZA.

Right, that's all for now. I hope you liked it. Please send me your findings and thoughts. CU! -Ary-

============================================================================
W O R L D   B A N D S C A N
Editor....Tim Braun
P.O.Box 16533
Washington, D.C. 20041
Internet: tomahawk@mnsinc.com

Sorry it took an extra month to get out of here, but a promotion at work and a four-year old at home have contributed to not much free time. However, out it is and here we go with column that answers the question: WHAT'S OUT THERE?

This month we look at 7900-7999 Khz. The contributors for this segment are Rick Baker, Alex Wellner, Bert Van Rij, Day Watson and Guy Denman. Thanks to one and all for their support. For the January edition of this column (and by the way the 2nd Anniversary of WUN!!!) we go back to the start of the range and pick up 7000-7399 Khz. So wade through the amateur radio static and give a listen there. Enjoy.

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<td>15 wpm 5LG's</td>
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<td>SSB</td>
<td>US COAST GUARD</td>
<td>Ch. 3E14</td>
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<td>7909.7</td>
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<td>TRIPOLI, LIBYA</td>
<td>Ganfuda Oil Team-ARQ</td>
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7910.0 SSB NUMBERS YL SEP96
SSB US AIR FORCE Mystic Star net
SSB NASA
ISB CANFORCSE VFT: Royal Engineers Corps
FAX RCW79 ALMATY, KAZ 60+120/576
RTTY 9VF40 SINGAPORE FCS-A
7910.5 RTTY COPENHAGEN, DEN Italian Embassy - SITOR
RTTY UNID Piccolo 12 tone SEP96
7911.0 SSB LYON, FRANCE MSF
UNID UNID Sounds like HC-ARQ/PACKET SEP96
7912.5 SSB AVIATION LDOC TASA Airlines
7913.0 SSB UNID Asian phone net SEP96
UNID UNID EE comms w/Scottish accent FEB95
SSB 9JZ LUSAKA, ZAMBIA AFTN 425/50
7914.0 SSB NUMBERS OM - SS 5-ltr grps OCT95
7915.0 RTTY CM23 RABAT, MOROCCO 400/50
7916.0 SSB US COAST GUARD
RTTY DGG91 BONN, GERMANY FCS-A OCT96
CW FDC METZ,FRANCE French Air Force SEP96
7917.0 SSB UNID Pacific Is. phone net SEP96
SSB US AIR FORCE Civil Air Patrol
SSB UNID TOWNLY clg AVENGE/WALKER AUG92
7918.0 CW YHF ISRAELI MOSSAD
7918.5 SSB US COAST GUARD LORAN - NW Pacific
SSB US AIR FORCE Civil Air Patrol
7919.0 SSB US AIR FORCE Inform Net - Ch.A18
SSB US AIR FORCE Andrews AFB discrete
SSB NASA
7919.5 SSB UNID OIL PUMP wkg STAFF CAR
7920.0 SSB UNID CHOPPER 43 wkg CLANCY-trackg JUL90
SSB X8E UNID Clg MIU
SSB UNID DARK STAR w/track info
SSB US AIR FORCE Civil Air Patrol
RTTY RIGA, LATVIA Italian Embassy - SITOR
CW YHF1 ISRAELI MOSSAD
7921.0 SSB US AIR FORCE Ch.A7 - ACROBAT
7921.2 RTTY UNID Idling - ARQ342 MAR92
7921.8 RTTY US AIR FORCE Civil Air Patrol - PACKET
7922.0 SSB US AIR FORCE Mystic Star net
SSB AUSTRALIA Davis Base, Antarctica
SSB/RTTY LIBYA Tobruk/Arab Gulf Oil Co;50bd
SSB NATO AWACS/JSTARS - Frankfurt
7922.3 SSB UNID Philippines phone net SEP95
7922.5 CW/RTTY AUSTRALIA Antarctic commns-ANARE base
7923.0 SSB CANADA Royal Engineers Corps
7924.0 SSB AUSTRALIA Antarctic commns
7925.0 ISB ROK22 MOSCOW, RUSSIA R.Moscow feeder
RTTY RPFN LISBON, PORTUGAL Navy - 850/50 SEP96
7926.0 CW EBK LAS PALMAS,CANARY IS. CW EBC CADIZ, SPAIN
7928.0 CW RJJ74 CIS? Wkg UM12/EwK2
7929.0 SSB UNID Scrambled tfc MAR92
SSB PAPUA NEW GUINEA Commercial users OCT96
7929.5 SSB US NAVY Antarctic commns
ISB ZLK41 CHRISTCHURCH, NZLD 6028: NSF/USN/RNZ Navy
7930.0 SSB I89 UNID Wkg Y1M/E89 w/comms chks
SSB US AIR FORCE Mystic Star net
ISB GYU GIBRALTAR VFT: Piccolo OCT96
ISB AEA HEIDELBURG,GERMANY US Army
FAX LR048 BUENOS AIRES, ARG 60/288
7930.5 SSB R1R UNID trying to contact I3C
7931.7 RTTY CAIRO, EGYPT SITOR: MFA
7932.0 SSB UNID Pacific Is. phone net SEP96
SSB US ARMY National Guard
SSB US AIR FORCE SITFA Net
SSB US FED GOVT Operation Secure-FL/ID/NV/
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<th>Country/Location</th>
<th>Details</th>
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<td>SN299</td>
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<td>WARSAW, POLAND, Continental Micronesia ops</td>
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<td>RTTY</td>
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<td>Croughton/Incirlik discrete</td>
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<td>Wkg N5X w/tlk of reg. surgeon, OCT96</td>
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<td>SSB</td>
<td>US NAVY</td>
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<td>'...will not be up on freq', OCT95</td>
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<td>PWF77</td>
<td>ABROLHAS, BRAZIL</td>
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Pagina 982
Whew! Remember to get your stuff in now before the holiday season starts! Take it easy...Tim

=============================================================================
Hello everyWUN and welcome to another WUN Logs Column. I would like to start out by thanking Rick for the opportunity to serve as editor for this column, which Rick described as "his baby." I'll endeavor to maintain the high level of quality that this column is known for. The WUN Logs Column is the most complete, timely, and up-to-date source of information on utility monitoring available anywhere, and I am honored to serve as the editor. I would also like to thank the TEAM LOGS members, without whom this column would be nearly impossible to publish. They spend many hours each month putting together and editing all of the logs posted on the WUN server each month. It is a major task, and I am sure that we all appreciate their efforts.

If you have been mailing in your logs via snail mail to Rick, you can still continue to do so, as he has agreed to continue handling those. Also, if you are anonymous and wish to continue sending your logs via e-mail to Rick, he is more than happy to get them. I'm also willing to handle these. If you don't wish to post your logs via the WUN server, please feel free to send them via e-mail to Stan Scalsky or myself. We'll see that they get included in the column each month.

Last month Rick mentioned the upcoming second anniversary newsletter. I would like to remind you that it is coming up in January, 1997. We are encouraging all members of WUN to send in some logs, in order to get a good sample of what can be heard around the world. The deadline for the Third Anniversary Logs Column will be Jan 10th, 1996, so please take some time and snag a few logs for this special issue.

This month we had 52 contributors from 12 countries accounting for over 1500 individual logs. While this is outstanding, we encourage all of you to get involved. With over 1000 members, we could easily have 2 or 3 times as many people involved. Remember, this column is only as good as what you put into it. Let's make the most of it and get those logs in. Just keep in mind that the 10th of each month is the cutoff date for that month's logs. Remember, we take them with or without use of your name as you wish.

One last reminder. On behalf of TEAM LOGS I again ask that those who post or e-mail their logs try and get them as close as possible to our format. This format is posted in the WUNFAQ. If anyone needs a copy, you can get it from the web page, or e-mail me and I'll send you a copy. Many man hours go into editing the logs for this column into the common format seen below. While we appreciate receiving all logs, sometimes it seems some folks go out of their way to mix up the data as much as possible. There is a method to our madness! All of the editors volunteer their time to do this for the group. Let's make it as easy as possible on them. Thanks! Now, for some logs...

=CIVIL AERO=

2887 New York: (CAR-A MWARA) 0731 USB wkg American 956, adv if south of 30N, call on 6577, otherwise call on 5550. (RB)
8865  Manaus Radio: BRAZIL, (SAMhC MWARA) 0532 USB wkg American 904 w/posn ARORA(?) 0537 FL 350, passes fuel & wx. (RB)

8866  Speedbird 267 0409 USB (Selcal BP-CJ) w/Dakar Radio. (AM2) P2-MFW 2343 USB To Moresby radio. Islander of MAF. P2-IAAD 2345 USB wkg Moresby, P2-IAAD ISLANDER ISLAND HELICOPTER. P2-VAB 2341 USB To Moresby radio. Islander of "GARAMUT. P2-MFQ 2347 USB To Moresby radio. Twin Otter of MAF. P2-ALY 0407 USB w/Moresby, BANDIERANT ALR LINK, VH-FNA 0506 USB To Port Moresby radio. Twin Otter on loan from Flight west airline to Hevi Lift PNG landed Hoskins. (SB)

8867  GHK 0441 USB To Brisbane radio. Aussih761 0500 USB To Brisbane radio. NZ 89 2207 USB To AUCKLAND TO TAIPEI, wkg AUCKLAND. (SB)

8882  Unid 0948 USB To Bali radio. (domestic) (SB)

WUN-v02

2892.3 MGJ: UK 0115 RTTY 75/360 availability chart. (FH)

3104 Unid: 2132 FSK 50bd/850 UNID FSK System, sync, cont, ACF=0 (MC)

3140 Russian Mil,?? 2134 FSK 200bd/500 UNID FSK System, sync, cont, ACF=0 (MC)

3156.2 Unid: 1955 FSK 75bd/850 UNID FSK System, sync, cont, ACF=0 (MC)

3224.1 Unid: 0938 FSK 300bd/180 UNID FSK System, sync, burst, ACF=10, DGPS info? (MC)

3231.5 DHJ51: Grengel Meteo, D UTC? FAX 120/576 weak. (LC)

3233 USAF AWS Omaha 0034 FAX sending wx fax charts (Dw3)

3245.5 British Mil,?? 2131 Piccolo-12, crypto (MC)

3264.9 Russian Mil,?? 2132 FSK 200bd/500 UNID FSK System, sync, cont, ACF=0 (MC)

3282.2 CSP: Portuguese Police,?? 2030 ARQ Police reports in PP (MC)

3291 Russian Navy,?? 2116 36-50 50bd/200 tcf followed by "P" SLHFB (MC)

3346.2 Russian Mil,?? 2148 MS5 12 tone vocoder (3300Hz pilot), tcf (MC)

3368.2 Russian Mil,?? 2138 MS5 12 tone vocoder (3300Hz pilot), tcf (MC)

3385 DHN37: Grengel Meteo, Germany 1041 RTTY 100bd/400 METAR, TAF, AAXX WX compiled by stn ETGT (MC)

3389.7 RFLID: Pointe a Pitre 0100 ARQ-E3 192/400 (AR1) FF msg to RFLI Fort de France. (FH)

3542.7 GKE1: PORTISHEAD RADIO 2300 FEC Marker "GKE1" and tuning burst. SVC advisory stating GNK1 [2832.7 located Norwich, Shetland Islands] proposed closing fm 1/Nov. Also indicates GKE7 [22377] now back in service (DW)

3615.7 GKY1: PORTISHEAD RADIO 2130 FEC sea area wx forecasts. (HOOD)

3667.2 Egyptian/Tunisian AF/Air Defense 2345 ARQhE 36.12 passed one poss airfield status report till 0400 (ANEE)

3667.7 Kairo Al-Quahirah? 0100 ARQ-E 46/165 (KAA) then msg breaks up, thought to be aeronautical wx to Amman (fits C.I. of KAA which is repeated roughly every hour). (FH) (reportedly an Egyptian Air Defense system - LOGS)

3932.9 Unid 0310 UNID DATA MODE 192/120. Can anyone give me a clue as to the identity and mode? (ES)

3962.9 RFL1: Fort de France 0125 ARQ-E 192/170 (IGE) FF msg to RFLIGE St Jean Du Maron1. (FH)

3734 Russian Navy 0500 81-81 81.bd/250 till 0530 (ANEE)

3756.7 RFL1: Fort de France 1000 ARQ-E3 192/400 (IRA) FF msg to RFLIDE Pointe a Pitre, most msgs on this channel seem to be relays from France. (FH)

3810 RST75: Mensk Meteo, URS UTC? FAX 90/576 Too much switched mode PSU QRM for me to copy here. (LC)

3832.7 Unid: 2000 ARQ-M2 200 ch1: rffb loop tests, ch2: rfft > rffvay runway serviceability reports till 0015 (ANEE)

3859.8 Unid: 1959 PACTOR 100bd/200 7+ coded data (MC)

3870.2 Russian Mil,?? 1612 MS5 12 tone vocoder (3300Hz pilot), tcf (MC)

3879 Unid: 2031 81-81 81bd/500 tcf (MC)

3931 Algerian Army,?? 2054 RTTY 50bd/400 (bitmask=31) crypto "ifdifdifidf" leadhin (MC)

3959 SUU: Cairo Meteo, Egypt 2022 RTTY 100bd/850 AAXX WX (MC)

4002 YRR2: Bucharest Meteo, Romania 2109 RTTY 50/400 AAXX WX for Romania (MC)

4029.5 RET???: Guardia Civil,?? 2018 ARQ 100bd/400 Police reports in SS. (MC)

4075.2 Russian Mil,?? 1932 MS5 12 tone vocoder (3300Hz pilot), tcf (MC)

4084 VDD: Halifax, NS 1000 VFT channels to 4086 75/170 to Australia. (FH)

4134 Unid: 2034 FSK 100bd/200 UNID FSK System, async, cont, ACF=0 (MC)

4143 Unid: 1934 FSK 75bd/240 UNID FSK System, sync, cont, ACF=0 (MC)

4160 Unid: 0630 Unid 110/220 w/unid mode, sounds same as 2038.0, 4160, 5220.7, & 7542.7, // 4164. (RB)

4170 9ANC: M.V. Hercegovina 1655 ARQ Telex via Portishead R.(PT)

4203.5 DNCW: CONTAINERSHIPS III 0701 ARQ ETA for Tees Pilot Station. login 26813 DNCW. (HOOD)

4207.5 GMDSS CHANNEL 0920 GMDSS 100/170 2 packets. One Italian coaststation calling another suggesting RT on 4149khz which is a ship simplex RT chan. 2nd stn responds. Assume stations Rome & Genoa. (Dw)

4210.5 KFS: San FRANCISCO R CA, USA 0916 CLOVER 400Hz tcf (SS)

4214 IN ROME (IDR2) 2245 RTTY 75/850 CARB"/IGJ41 /IGJ42 /IGJ43 /IDR2 /IDR3 /IDR8 /IDR5" (Dw)
4232 FUF: Fort de France 0950 RTTY 75/850 RY's. (FH) FUF: FORT DE FRANCE, MRT 0209 RTTY 75/850 /RYS/SGs/10-count/de FUF (SS)
4245.8 Unid 1736 RTTY 100bd Unid scramble (BvR)
4246 RN London 1720 RTTY 100bd RN London, scramble ryryry vmgtcnj (BvR)
4257.8 CFH: Halifax 0945 RTTY 75/850 encrypted msgs. (FH)
4267.8 CKN: CF FORECAST CENTRE COMOX LAZA B.C., CA 0302 RTTY 75/850 RYs + waiting for tfc + fax (SS)
4267.9 CKN: Victoria, BC 1000 RTTY 75bd Unid scramble (BvR)
4271 CFH: Halifax Metoc, NS, 0000 FAX 120/576 "ice analysis / analyse des glaces" environment canada product of Davis Strait - nice line in ice. (LC) CFH: CF HALIFAX NS, CAN 0044 RTTY 75/500 meteo + high seas forecast + RYS (SS) CFH: CF Halifax 0555 RTTY 75bd wx (BvR)
4295.0 HWN: FN PARIS, F 0307 RTTY 75/850 RYs/SGs/DE HWN (SS)
4444.9 Unid: 2000 VFT: 3ch of 75bd/80 FSK UNID System, sync, cont, ACF=0. (MC)
4447.9 Unid: 2001 VFT: 3ch of 75bd/80 FSK UNID System, sync, cont, ACF=0. (MC)
4457.9 Unid: 1959 VFT: 3ch of 75bd/80 FSK UNID System, sync, cont, ACF=0 (QSX 512kHz?) (MC)
4465.7 Unid: 0554 ARQ sending selcall BMFB, & off after several mins. (RB)
4488.1 GPL26: Bracknell Meteo 0636 RTTY 75/364 with synoptic WX tfc and call tape going into the new hour. (DW2)
4489 GFL 26: BRACKNELL METEO, G 0317 RTTY 50/425 meteo (SS) GFL26: Bracknell Meteo, UK 2003 RTTY 75bd/450 AAXX WX (MC)
4508.1 British Mil,?? 2134 Piccolo-12, crypto (MC)
4516 Russian Mil,?? 1914 Piccolo-12, crypto (MC)
4524.7 CAIRO MET (SUU) 2140 FAX 120/576 500 mb prog (DW)
4560 RLBx: Moscow Meteo 0045 FAX 120/576 unknown chart of Middle E. 0100z unknown chart of M. East. (LC)
4562.5 RETWAB***: Guardia Civil, Barcelona 2105 ARQ 100bd/400 crypto (MC)
4565 Unid 0000 Mode? 96/160 can't synch. (FH)
4569.9 HZN46: Jeddah Meteo, Saudi Arabia 1926 RTTY 100bd/850 AAXX WX for Jordanian airports (MC)
4570 DHJ51: Grengel Meteo, D UTC? FAX 120/576 weak. (LC) GRENGEL MET (DHJ51) 0712 FAX 120/576 Chart of Europe "Niederschlag mm/12h"? (DW)
4583 DDK2: Hamburg Meteo, Germany 2036 RTTY 50/400 AAXX WX for Germany. (MC)
4589 DHJ51: Grengel Meteo, D UTC? FAX 120/576 weak. (LC)
4614.2 Russian Mil,?? 2057 MS5 12 tone vocoder (3300Hz pilot), idle (MC)
4732 Unid: 2058 FSK 75bd/810 UNID FSK System, sync, cont, ACF=0 (MC)
4807 LSB: Centro Meteorologico Vcom., ATA - South Shetland Islands UTC? Fax have been getting the carrier but no pics. (LC)
4855 USN ROOSEVELT ROADS 0018 FAX 120/576 Chart - blurred due multipath fading (DW)
4874 RFFEDFA: France(?) 1840 ARQ-E 184/390 Tfc to "SOUGE". (PT)
4896.7 'wxpv': UNID E. European net, POL? 1424 UNID 120.96/330 12-bit frame ITA-2, tcf to 'VANI' (see also 5335.7 and 5846.7 kHz) (ANEU)
4940.9 Unid: 2100 FSK 150bd/850 UNID FSK System, sync, cont, ACF=0 (MC)
4967 Unid: 2137 FSK 75bd/1100 UNID FSK System, sync, cont, ACF=0 (MC)
4991 Unid naval, UK 1730 RTTY 100/200 7-bit baudot // w/known RN tx on 73.17 kHz. (JD2) NATO MIL,?? 2148 RTTY 100/170 crypto w/"ryryryryvCamngcnjbb" lead-in (MC) Unid 1812 RTTY 100bd Unid scramble. (BvR)
5082 Unid: FR MIL? 1445 ARQ-E 72bd idle (BvR)
5097 CF HALIFAX (CFH) 2301 RTTY 75/850 Periodic marker "lettershifts NAWS de CFH zkr f1 2822 3394 4168 6260 8321 12386 16573 22209 ar". (DW)
5100 RN LONDON (GXD) 0720 FAX 120/576 Hazy outlines (DW)
5102 RN LONDON (GXD) 2306 VFT 8 channel DCN interleaved VFT on USB (DW)
5105.5 British Mil,?? 1601 Piccolo-12, crypto (MC)
5105.7 RN LONDON (GXD) 2308 VFT 50/340 5102.595. Chan.1 in vft Eng chan idle on mark (DW)
5107.2 RN LONDON (GXD) 2310 VFT 75/340 5102.765. Chan.2 in vft. ACF7. Online encrypted (DW)
5103.3 RN LONDON (GXD) 2313 VFT 5103.275. Chan.3 in vft. Idle on mark (DW)
5103.9 RN LONDON (GXQ) 2320 VFT 5103.955. Chan.5 in vft. Unable determine baudrate/ACF (DW)
5103.4 RN LONDON (GXQ) 2316 VFT 75/340 5103.445. Chan.4 in vft. ACF7. One line encrypted (DW)
5104.1 RN LONDON (GXQ) 2327 VFT 96/340 5104.125. Chan.6 in vft. ACF80. Online encrypted (DW)
5127 Unid: 2140 FSK 100bd/200 UNID FSK System, async, cont, ACF=0 (MC)
5134 Unid 1447 ARQ-E 72bd idle. Unid 0851 ARQ-E 72bd idle (BVR)
5143.4 French Polynesia? 1000 ARQhE 72/125 to 1300, strongest here about an hour after local sunrise, correspondent seems to be 5160.4, q.v. (FH)
5152 Unid: 2000 FSK 75bd/250 UNID FSK System, sync, cont, ACF=0 (MC)
5160 SUA: Niamey 0100 ARQ-M2 96/400 (VXP) both channels meteo msgs
5160.4 RFHI?: Noumea? 0900 ARQ-E 72/125 stronger than supposed correspondent on 5143.4 but always idle, last logged w/C.I. of IOV to RFWHFF. (FH)
5176 NATO Mil,?? 2001 Link-11, tfc (MC)
5202.2 Russian Mil,?? 2001 MS5 12 tone vocoder (3300Hz pilot), tfc (MC)
5215.6 Unid 2102 FSK 150bd/850 UNID FSK System, sync, cont, ACF=0 (MC)
5220 Russian Navy?,?? 1523 36-50 100bd/200 36bd revs, lead-in ACF=70, ACF=0 tfc (double speed) (MC)
5240.2 YZI213: TANJUGNews, Belgrade 2004 RTTY 50bd/550 Yugoslav NX in EE. (MC)
5247 Unid 0747 ARQ Tfc in Spanish.(PT)
5250.5 GOVHF: Bonn 1453 ARQ-E 72bd, 1600 utc scramble mgs (BVR)
5275. Spanish Navy, Granada 2006 VFT: 2ch of 100bd/170 ALE System (MC)
5276.7 Spanish Navy, Granada 2005 VFT: 2ch of 100bd/170 ALE System (MC)
5287.5 RETWB***: Guardia Civil, Burgos 1641 ARQ 100bd/400 crypto after selcall "TWVB" (MC)
5287 Unid 0474 ARQ Tfc in Spanish.(PT)
5300 Unid: 2006 FSK 75bd/250 UNID FSK System, sync, cont, ACF=0 (MC)
5320.5 RETYMT: Guardia Civil, JECOR Toledo, Spain 0655 ARQ 100/425 sending selcall TVNL, EHL8, JECOR Lugo, no joy; then sends selcall TYMG for JETER, JECOR Guadalajara & sends tfc, DE RETYMT; fol by selcall TYMM JECORIN, JETER Madrid & SS tfc. (RB)
5335.7 'VAN1': UNID E. European net, POL? 0811 UNID 120.96/330 12hbit frame ITA-2, tfc to 11J2', 'PM2G', '7PW5', 'WXPV', 'M6GZ' and 'LAIA'. Opchat in unk Slavic lang, not Italian Navy, as proposed in prev issue (5846.7 kHz)! 'VAN1' is not control. (ANEU)
5377 RFFEDFA: unid 1502 ARQ-E 72bd, 1600 mgs (BVR) (possible French Army - LOGS)
5380.5 RETWLA***: Spanish Police, Alava 1959 ARQ 100bd/400 MSGs in SS to RETXX, RETWLL, RETWLG RETWLL***: Spanish Police, Logrono 1958 ARQ 100bd/400 MSGs in SS to RETXO RETWLG***.: Guardia Civil, Guipuzcoa 2001 ARQ 100bd/400 crypto tcf to selcall "TXXX" RETXX***: Spanish MOI, Madrid 1953 ARQ 100bd/400 crypto tcf to selcall "TWLG" (MC)
5397.7 '100***': French Army? 2012 ARQ 100bd/200 ended "200" (MC)
5400 ''VAN1': UNID E. European net, POL? 0811 UNID 120.96/330 12-bit frame ITA-2, tfc to 11J2', 'PM2G', '7PW5', 'WXPV', 'M6GZ' and 'LAIA'. Opchat in unk Slavic lang, not Italian Navy, as proposed in prev issue (5846.7 kHz)! 'VAN1' is not control. (ANEU)
5420.5 British Mil,?? 1603 Piccolo-12, crypto (MC)
5423.7 100***: French Army? 2015 RTTY 50bd/170 "ry ry ry ry de 200 200 200", Opchat in FF on USB (MC)
5424.7 100***: French Army? 2012 RTTY 50bd/170 "trop de qrm pour recevoir 200 200 de 100 100" (MC)
5429.5 NATO Mil,?? 2026 PSK 2400bps UNID PSK System (MC)
5439 MTI: Plymouth UK 1627 RTTY 75/833 Clg 9DL with Test + foxes + "GO ZNI2".(PT)
5468 Russian Navy,?? 2159 36-50 50bd/200 tfc (MC)
5516 Unid: 1951 81-81 81bd/250 tfc (MC)
5690.5 Unid: 2119 81-81 40.5bd/200 idle (MC)
5710 NATO Mil,?? 2028 Link-11, tfc (MC)
5731 YRR4: Bucharest Meteo, Rom. 2039 RTTY 50/400 AAXX WX for Romania (MC)
5743.2 German Army,?? 2015 VFT: 3ch of 192bd/170/E FEC-100, crypto ends "HAHAHAHAHA" (MC)
5743.9 German Army,?? 2017 VFT: 3ch of 192bd/170/I FEC-100, crypto ends "HAHAHAHAHA" (MC)
5744.6 German Army,?? 2016 VFT: 3ch of 192bd/170/I FEC-100, crypto ends "HAHAHAHAHA" (MC)
5746 UNID: poss FF Zagreb? 1528 ARQ-E 72bd idle (BVR)
WUN-hv02

5758.6 Unid: 2045 FSK 150bd/830 UNID FSK System, sync, cont, ACF=0 (MC)
5758 Russian Navy,?? 2043 36-50 50bd/200 tfc (MC)
5769 Unid: 2041 FSK 300bd/850 UNID FSK System, sync, cont, ACF=0, lead-in with reversals (MC)
5781.7 Egyptian MFA, Cairo 2049 ARQ ATUh80 MSGs to Embassy Baghdad selcal "TVVC" (MC)
5787 Unid: 1450 ARQ-E France(?) 184/315 Idling.(PT)
5796 MoI Tunis, TUN 1636 RTTY 50/180 tfc in ATU-80 (ANEU)
5801.5 Unid: 2154 FSK 100bd/150 UNID FSK System, sync, cont, ACF=0 (MC)
5835.5 GYU: Royal Navy, Gibraltar 2156 VFT: 2ch of Piccolo-6, eng ch "de gyu pse qsy to f3001 pal k" (MC)
5835.9 GYU: Royal Navy, Gibraltar 2156 VFT: 2ch of Piccolo-6, tfc ch idle (MC)
5841.5 US-INTEL PSK outlet, D7 1940 PSK UNID speed/6881.5 kHz, similar to the 108.87bd/170Hz FSK and USB voice transmissions, the carrier shows up on the channel long before the actual transmission starts! (ANEU)
5842 Russian Mil,?? 2023 FSK 200/500 UNID FSK System, sync,cont,ACF=0. (MC)
5845.7 'VAN1': UNID E. European net, POL? 1006 UNID 120.96/330 12hbit frame ITAh2, tfc. to 'A3FB' (see also 5335.7 kHz) (ANEU)
5846 Unid: 2127 36-50 100bd/200 36bd revs, 100bd ACF=70 leadhin, crypto, 36bd revs (MC)
5850 OXT: COPENHAGEN MET 0943 FAX 120/576 Ice condition chart, at 0038 w/very blurry pix (DW)
5887.5 IMB2: ROME MET 2210 RTTY 50/850 Marker "cq de IMB31/32/33 ry's" or met tfc (DW)
6265.5 UBFX: TKH INZHENER PLAVINSKIY 0713 ARQ to UCE. login 54631 UBFX. (HOOD)
6269 WGBDB: OVERSEAS PHILADELPHIA 1640 ARQ w/AMVER/PR LOGIN 11153 WGBDB. (WT)
6273 P3FX2 M/V CRANE 0230 ARQ SAILED SAVANNAH. LOGIN 29545 AUK. (WT)
6282.5 ERL9 M/T BORNES 0210 ARQ w/TLX LOGIN 24915 BORN. (WT)
6318 IN ROME (IDR3) 2246 RTTY 75/R/850 CARB " /IGJ41 /IGJ42 /IGJ43 /IDR2 /IDR3 /IDR8 /IDR5 ". Running reversed, other parallel frequencies normal (DW)
6348 HWN: French Navy, Paris, F 0205 RTTY 150/850 w/RYRY, SG's, ten count & DE HWN. (RB) HWN: Paris, France 1040 RTTY 150/840 RY's, SG's + ID+ clg "DL". (PT) HWN: FN Paris 1825 RTTY 150bd testing (BvR)
6360.9 Unid: 1730 FSK 100bd Unid FSK system running 100 baud til 1800 (ANE5)
6497 CFH: Halifax 0200 RTTY 75/850 wx msgs in abbrev EE, slight chg in freq. (FH)
6501.7 Le Port? 2300 ARQ-E 96/400 new here, (CW TBB in fringe) but always idle. (FH) (Murray Lehman noted he caught tfc here indicating it was RFFXI Bangui to RFFXIC Bouar w/a poss QSO of 6898.7 -LOGS)
6640.8 Unid: 0655 ARQ-E 192/138 w/RQ's. (RB) UNID. 0656 ARQ/E/192/I/400 has character pattern "Rq Beta v o" (DW)
6642.7 RFLIGE: Cayenne French Guiana 0210 ARQ-E 192/136. French Navy "Controle De Voie". (PS)
6685.5 Conoil Rig: 2306 ARQ w/company message. (RB)
6768.2 Spanish Navy, Granada 2147 VFT: 2ch of 100bd/200 ALE System (MC)
6768.5 NATO Mil,?? 0755 PSK 2400bps UNID PSK System (MC)
6778.1 Unid: 1952 FSK 300bd/180 UNID FSK System, sync, burst, ACF=10, DGPS info? (MC)
6830.1 Russian Mil,?? 0758 FSK 200/570 UNID FSK System, sync,cont,ACF=0 (MC)
6814.4 L3A30: Norwegian MFA, Oslo 0706 TWINPLEX-1w 100bd/400 crypto to embassies Tallinn, Stockholm etc (MC)
6830.1 PETRA News, Amman 1535 RTTY 50bd/400 NX in Arabic (MC)
6834 Unid: 1730 ARQ-E 184.6 idle only, til 2230 (ANE5)
6851.4 Algeria 2219 COQUELET-8 26.6bd tfc (MC)
6844 Unid: 0629 81-81 40.5bd/250 tfc (MC)
6850 RFFEDCS: 1346 ARQ-E France(?) 184/394 Tfc to RFFEDFB (PT). SOUD Station,?? 2051 RTTY 75bd/500 5LGs on link ID "11177 40878 79867 08009 00639" (MC)
6865 GFH: RAF Kai Tak HKG 1100 PICCOLO w/foxes & svce msgs to VHC RAN Belconnen (GYU to MUH also logged this freq) (ML2)
6870 Unid: 0651 81-81 40.5bd/450 tfc (MC)
6872 NATO Mil,?? 1934 Link-11 tfc (MC)

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6881 NATO Mil,??? 2053 Link-11 tfc (MC)

6881.5 US-INTELS PSK outlet, D? 1940 PSK UNID speed//5841.5 kHz, similar to the 108.87Bd/170Hz FSK and USB voice transmissions, the carrier shows up on the channel long before the actual transmission starts! (ANEU)

6887 RFFXIC: Bouar 2124 ARQ-E 96/400 CENTRANS Bouar to CENTRANS Bangui, then some questionable copy. (FH)

6913.8 Unid: 0823 unk 65.5/231 Hoka Code 3 said baud was 68.67 (68.5) w/40% chance mode was AUTOSPEC, only this mode has been unheard of in like 3 years. (RB)

6918.5 ECA7: Madrid Met 0200 FAX 120-576 QWA(I,17)40 "CHART FOR FL240" rebroadcast Bracknell product. Atlantic / polar, 0215z "27 OCT 96 0149 FROM MET IT OPS BRACKNELL TO 4806 PAGE 001" PGAE06 EGRR NAT FL250 - 630 fixed time prognosis showing sig wx and jetstreams nice chart better than Bracknell from here. (LC) Madrid Meteo: 0031 FAX wx fax charts. (DW)

6921.5 UShINTEL PSK outlet, D? 1920 PSK UNID speed, unable to find parallel frequency (ANEU)

6922.1 MFA Oslo 1323 ARQ coded mgs sc kfpz kfyf and press review. (BvR)

6922.2 German Forces,??? 2001 VFT: 3ch of 192bd/170/I FECh100, crypto ends "%%%%%" (MC)

6923 NATO Mil,??? 2006 ANDVT, short bursts every few seconds (MC)

6930.8 UNID. 2154 ARQhE 192/170 Poor sync. Betas. 4RC. (DW) RFLIGA: FF Kourou? 0605 ARQhE 192/170 w/C de V on C.I. GAG. (RB)

6971.5 FDY: French Air Force, Orleans 1538 RTTY 50bd/400 "ryryryry...fdyfdyfdyfdy..." marker (MC)

6976 RFFE? Bordeaux 2100 ARQ-E 192/170 reported as RFFHCA Ajaccio by many, C.I. is EQH. (FH)

6992 Russian Diplo,??? 1939 CROWDh36 tfc (MC)

7398 NHF: USN ROOSEVELT ROADS 0014 FAX 120/576 Chart h qrm fm bdcast stn. (DW) NHF: USAF AWS Roosevelt Roads, Ceiba, PTR 0000 FAX 120/576 copied various charts from 0000z to 0200z but here's the identifiable ones...0000z north polar fixed time sig wx anal "EQUATOR". 0015z north polar "18Z SAT 26TH OCT NMC SURFACE ANALYSIS". NOAA logo, 0045z north polar 500mb NOGAPS type 500mb upper air temp / pressure chart. Many more copied both north polar and modified mercator w/a USA slant. (LC) (NHF is the U.S. Navy Roosevelt Roads vice USAF, & as we say every month, the location of the station sending this traffic in Puerto Rico is not 100% confirmed -LOGS)

7468 MFA Copenhagen, Dk(?) 1220 TWINKPLEX Tfc in Danish(?) (PT)

7535 AXI33: Darwin Meteo, AUS 1645 FAX 120/576 tops of charts saying "NOW BROADCAST IN TWO PARTS - SEE NOTICE AT 0045 UTC". (LC)

7542.7 RTFJD: Libreville 2140 ARQ-E3 192/170 (JDJ) FF msg to RFTJ Dakar. (FH)

7554.7 Unid: 2142 FSK 100bd/850 UNID FSK System, sync, cont, ACF=0 (MC)

7573 Unid: 1931 FSK 75bd/850 UNID FSK System, revs, ACF=64 lead-in, ACF=0 tfc, revs (MC)

7579.5 MOSSAD Tel Aviv, ISR 2030, ARQ-E 288 also RTTY 100.87/340 tfc. to "GXM8" (QBX 9209 kHz) (ANEU)

7595 AOK: USN Rota, ESP 0030 FAX 120/576 "AMD"?? FSME LERT 36HR MED SFC PROG 0045 OSME LERT 36 hr sig wave height prog 0100 NOGAPS FNMOC sfc anal. (LC)

7605 USN Rota, 2339 FAX sending surface pressure prognosis (DW3)

7606.7 RFH2: 1346 RTTY 100/384 ARQ-E3 FF Noumea Controle de Voie (RT2)

7606 SAM: Stockholm Sweden 1021 ARQ-SWE 100/400 Tfc in Swedish. (PT)

7614 RFFE: Bordeaux 2100 ARQ-E 192/170 (EHQ) to RFFHCA Ajaccio. (FH)

7616.7 MFA Cairo, EGY 1603 ARQ various msgs. to Tunis QSK 7823.7 (ANEU)

7619.7 UNID ALEhystem, FNL? 0842 250bd bursts with 75 bit korr. (ANEU)

7644.2 RFQP: 0203 ARQ-E3 listed RFFVA / is RFQP de RFQP 3130143.(RT2)

7644.3 RFFV: MOD Paris, F 2351 ARQ-E3 100/425 w/Controle de Voie on C.I. "RUN". (RB)

7653.5 Unid: 0827 81-81 81bd/200 tfc (MC)

7670 Moscow Meteo? 1910 FAX 120/576 w/chart - poor (TD2)
FDY: Orleans, 2140 RTTY, 50/400, Ry's, Le Brick. (FH)

UNID NOR-Diplo, 0800 DUP-ARQ-2, 125bd/850, only able to decode fragments of Norwegian text in char. analysis using ITA-5. (ANEU)

MTN: Portsmouth Naval, UK 0930 RTTY 75/850 in contact w/unk & unheard station. (JO2)

NATO MIL,??, 1954 Link-11 tcf (MC)

3BT3: Bigara METEO, MAU 1535 RTTY 75/850 synops from FIMP (ANEU)

UKR-UN Forces in Slavonia, 0000, RTTY 50/250, msgs in the clear in 3rd shift Cyrillic. Signing off with: "star&ij ukrainxsxkogo w1csxkowogo /kontingentu w sh1dnlj slawon11/polkownik oskoltk" (ANEU)

RFTJ?: French Forces, Dakar? 0539 ARQ-E3 192/425 w/nonh-protected tcf. (RB)

MIL: Royal Air Force, London 2113 VFT: 3ch of 50bd/170 Baudot. "the quick brown fox... test de mkk" (MC)

Russian Mil,??, 1503 MS5 12 tone vocoder (3300Hz pilot), tcf (MC)

KAWN?: 1410 RTTY 75/853 clear text/synoptic. (RT2)

Unid: AFF2? Carswell AFB? 2100 RTTY 75/850 KAWN tcf, also uses 7785.0 to 2200. (FH) (Carswell closed some time ago, this is reported as being in Puerto Rico, but recent DF attempts reveal a possible S. Florida loc.-LOGS)

Unid: 2200 RTTY 75/850 w/KAWN tcf, chg from 7784, 12835 kHz. (JD2)

Unid: 2149 RTTY 75bd/850 (2 stopbit), KAWN METAR and AAXX WX for US/Canada (MC)

MIL Warszawa, POL 1429 RTTY 49.74Bd/500, 5FGs to unloc station (ANEU)

DoSC Moskva, RUS 1650 RTTY 75/500, 5 LGs to 'DKR' on link <70060> (ANEU)

UNID RUS-DoSC station 1540 CROWD36 40Bd 32tones, PSEUDO# encrypted bitstream (ANEU)

MIL Warszawa, POL 1411 RTTY 49.81/800 5FGs to unloc station (ANEU)

SST: Antananarivo 1325 ARQ-E3 48/400 (TNC) "CH DE 5ST", also at 2155. (FH)

Chinese Diplo,??, 0829 4+4 idle (MC)

NATO MIL,??, 1947 PSK 2400bps UNID PSK System (MC)

USN ROOSEVELT ROADS (NHF) 0004 FAX 120/576 Chart (DW)

CMM60 listed as MAP nx AA to mideast here where RFLIA is assigned (listing monitored on 13585.9) time for AA. (FH)

MKK: RAF London 2340 PICCOLO w/svce msg to MUH (ML2)

DGG91L2: Bonn 0920 FEChA 96/380 DPA GG nx, off abruptly at 0930. (FH)

Russian Mil,??, 2051 MS5 12 tone vocoder (3300Hz pilot), tcf (MC)

Tobruk 0725 RTTY 50/350 msgs in EE to operations manager Benghazi, either Oil or mining company. (ANEU)

DHJ51: Grengel Meteo, Germany 0658 RTTY 100bd/400 METAR WX for Germany, Latvia, Belgium ports (MC)

MKD: Royal Air Force, Akrotiri 2059 VFT: 2ch of Piccolo-6, eng ch "de mkk plse to qsl qsl qsl kkkiolo" (MC)

MKD: Royal Air Force, Akrotiri 2100 VFT: 2ch of Piccolo-6, crypto. (MC)

UNID: 0239 ARQ-E 96/315 idle (SS)

RFFXIA 2100 ARQ-E 96/400 to 6 RFF & RF calls, 612 5LG's, did not use ZCZC or give circuit ID, just circuit number. (FH)

RFFXIIW 2100 ARQ-E 96/400 (XZW) or RFFXCC Favieres (XXW) to 2310 (see 15861.7 for the latter at 1200). (FH)

MKD: Royal Air Force, Akrotiri 2147 VFT: 2ch of Piccolo-6, crypto. (MC)

MKD: Royal Air Force, Akrotiri 2149 VFT: 2ch of Piccolo-6, eng ch "de mkk lololo have fixed the cutg??" (MC)

Russian Mil,??, 0638 FSK 200bd/1000 UNID FSK System, sync, cont, ACF=0 (MC)

Russian Mil,??, 0830 FSK 200bd/500 UNID FSK System, sync, cont, ACF=0 (MC)

VHC: RAN, Canberra 1820 VFT: 2ch of Piccolo-6, eng ch "gfh de vhc rrrg zuj kha2 om" (MC)

VHC: RAN, Canberra 1821 VFT: 2ch of Piccolo-6, crypto tcf (MC)

RFHJ: French Forces, Papeete 0635 ARQ-E 96/340 Tahiti, w/Controle de Voie on C.I. HJL. (RB)

US-INTEL near Frankfurt, D 0800 PSK UNID speed//9206.5 kHz, similar to the 108.87bd/170Hz FSK and USB voice transmissions, the carrier Pagina 994
shows up on the channel long before the actual transmission starts! (ANEU)

8010.7 7RQ20: Algerian MFA, Algiers 2101 COQUELET-8 13.33bd "vci off alger", MSGs in FF to Hanoi (MC)

8015.4 Unid 2127 ARQ selcalling, off 2134. (FH)

8017.5 Unid: 1936 FSK 75bd/850 UNID FSK System, sync, cont, ACF=0 (MC)

8023.7 Egyptian Embassy Tunis, Tunisia 1625 ARQ using ATU-80 alphabet, wkg "Alqahrh" (Cairo). (JD2)

8033 UNID KRE-Diplo 2026 RTTY 47.62/1000Hz 5FGs and msgs in romanized Korean (ANEU)

8050.2 FF DJIBOUTI [RFQP] 2307 ARQ-M2 200/400 4RC. Two channels FDM. Channel A: idling on "rq __<". Channel B: idling on "rq beta beta beta". (DW)

8053.8 Russian MIL,??? 1655 FSK 200/500 UNID FSK System, sync, cont, ACF=0 (MC)

8055.5 US-INTELSAT-outlet 1500 UNID 108.86bd/170 Hz FEC-system 8bit per char. unable to find parallel channel. This transmission is NOT sent via the site near Frankfurt (like 11527.5 kHz)! (ANEU)

8065.3 DOR***: Bulgarian MFA, Sofia 2121 ASCII-ARQ 300bd/500 tfc (MC)

8070 UNID UKR-MIL, UKR 0803 RTTY 50/200, crypto after ZZZZZZZZZZZZZZZZZZZZ (ANEU)

8093.7 VCT: Grand Banks, CAN 0000 ARQ ready signal, CW ID. (FH)

8105 RFFX or to RFFX 2100 ARQ-E 184/400 to 0300, same baud rate on RFFX (XXL) to Beirut, also 8105.5. (FH)

8108.3 RFQP: French Forces, Djibouti 2205 ARQ-M2 200/425 w/c de V on C.I. QPF. (RB)

8108.8 RFQP: Jibuti 2115 ARQ-M2 200/400 (QPF) on Ch.A. (FH)

8149.6 Unid: 2139 FSK 109.8bd/200 UNID FSK System, sync, cont, ACF=0 (MC)

8157.3 Unid: 1433 RTTY, 75bd RYRY then CW. (JM)

8160 Unid: 2010 FEC-A 192bd/400 Ochat in FF (MC)

8170 U.S. Navy 0018 RTTY 75/850 encryption. (FH)

8192 9MR: MN Johor Barau 1700 RTTY 75bd testing, 1715 5 fgs (BVR)

8221.5 WAFFA***: Pipe_Laying Ops, UAE 2110 ARQ Rpts headed "d e e n a" and "to: waffa" (MC)

8225 TCGG: MV GunayhA 0535 USB calling Istanbul Radio. (DW2)

8297 UAHV TH KAPITAN KONEV 2210 ARQ LOGIN 55960 UAHN, QRU. (WT)

8321.7 Chinese Diplo,??? 2041 4+4 tfc (MC)

8326 Unid: 2041 81hd/200 tfc (MC)

8330.3 RFVI: Le Port 0250 ARQ-E3 100/400 (VII) to RFHI Noumea, see 8341.7 for QSX. (FH)

8331.5 RN United Kingdom? 2333 FAX sending wx fax chart (DW3) (sfc analysis chart for 1800z, starting at 2320z - RN London(Northwood) - LOGS)

8377.5 3EYB6 M/V KUDU 0255 ARQ W/PERS TLG. LOGIN 42577 3EYB6. 3EAW9 M/T KAIMON 1941 ARQ W/AMVER LOGIN 70454 KAIM. WSRH SS KAUAI 2111 ARQ WKG KFPS W/E-MAIL. (WT)

8379 3EYB6 M/V Parnaso 0540 ARQ 100,962 DWT tanker, w/AMVER/SP, login 42050 PARN. (RB)

8395.5 LBWX: M/T Lawrence H. Gianella 0130 ARQ w/unc1as tlx re departed Long Beach, bound Houston, MSC contracted tanker, login 11646 GIAN. PPOA: M/V Frotabeme 0612 ARQ 11274 DWT dry cargo vsl, wkg PPR, Rio Radio w/ ETA Manaus in SS. (RB) 3FYS3 LUCINDA?? 2155 ARQ W/AMVER/SP LONG BEACH TO BALBOA.(WT)

8400.5 EL_T9: M/V Pilgrim 0142 ARQ w/posn msg, passes radio authority (BE-02) to CBV, login 25177 PILGRAM. (RB)

8438.2 HZWN: M/V HEAVY METAL 1800 ARQ W/TLX. (WT)

8438 SXRY: M/V ANGELIC FEATHER 0001 ARQ W/TLX IN GREEK. LOGIN 16728 SXRY. (WT)

8438.4 SXLS: M/T SPORADES 0216 ARQ W/TLX, ARR GALVESTON. LOGIN 17047 SPOR. (WT)

8438.5 IBJI: MT AGIP LOMBARDIA 0742 ARQ admin to Tripoli with ETA for Zuetina. Login 20686 IBJI. (HOOD) P3AA3: MV Epta 1808 ARQ tlx abt eta Nola Pilot 22nd oct ship 01716 (BVR)

8438.5 C6YY BERING SEA 0615 ARQ W/BBXX. (WT)

8438 UGPA BATM KHOITIN 0310 RTTY 50/170 W/TG'S. (WT)

8438 DUCT M/V EURASIAN CHARM 2350 ARQ WKG KPH ETA COLUMBIA P/S. (WT)

8439 DVGJ M/V MORILLO 1747 ARQ TLX, LOGIN 26539 MORILLO. (WT)

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8391  WUHV02  KHRC SS MATSONIA 0203 ARQ w/Tlx RE LOST CONTAINERS. (WT)
8391.5  YLBB: MV VASILIJS STRUYVE 0800 ARQ admin from Km Semidjko. (HOOD)
8392.5  UNWR: TK GRIGORIY NESTERENKO 0725 RTTY 50/170 Rpts to Novorossiysk
from Km Rudoya to UCE. (HOOD)
8395  UYUX: TKH DMITRIY POLUYAN 0639 RTTY 50/170 Rpts to UIW, no joy. (HOOD)
8397  SHIP TH "MEHANIJK KRASKOWSKY2 1305 arq 3sc tcf to Archangel? (DW)
8398  UGVIJ: TR BASKUNCHAKASKIY 0634 RTTY 50/170 arq to "TLINE RU", St
Petersburg via UAT. (HOOD)
8400  UYUX: TKH VASILIY SHUKSHIN 1649 RTTY 50/170 crew TGs to USO5. (HOOD)
8402  SHIP BMRT "KURKOWSKIJ 274" 1413 RTTY 50/R/170 3sc tcf. Long crew
list?. 65 hz high of channel (DW) UUGF 1700 RTTY 50/170 clg/wkg UUI. (JD2)
8403  URRR: TKH ANDREYS UPITS 0707 RTTY 50/170 msg in EE for agents in
Genoa (about Engineer Officer admitted to hospital) via USU. (HOOD)
8403.5  UGVIJ: RTMS NOVOCHEBOKSARSK 0728 RTTY 50/170 crew TGs to UIW. (HOOD)
8404  SHIP UNID. 1322 RTTY 50/R/170 3sc tcf. (DW) SQPU: M/V Podlasie 2307 ARQ
Polish refrigerated fish carrier, w/PP tlx via SPE, login 43315 SQPU. (RB)
8405  URRR: TKH ANDREYS UPITS 0707 RTTY 50/170 msg in EE for agents in
Genoa (about Engineer Officer admitted to hospital) via USU. (HOOD)
8405  URRR: TKH ANDREYS UPITS 0707 RTTY 50/170 msg in EE for agents in
Genoa (about Engineer Officer admitted to hospital) via USU. (HOOD)
8407  SHIP "WASILIJ POLEQUV" 1314 RTTY 50/R/170 3sc tcf (DW) ESCP: RS
HOBULAID 0653 RTTY 50/170 admin to Tallinn from Km Belusov via UIW.
(HOOD)  SHIP UNID. 1314 RTTY 50/R/170 3sc tcf then qru (DW)
8409  SHIP BMRT "KURKOWSKIJ 274" 1313 RTTY 50/R/170 3sc tcf. Long crew
list?. 65 hz high of channel (DW) UUGF 1700 RTTY 50/170 clg/wkg UUI. (JD2)  (TKH Shota Rustavelli -LOGS)
8410  ULTQ: TR BASKUNCHAKASKIY 0634 RTTY 50/170 admin to "TLINE RU", St
Petersburg via UAT. (HOOD)
8415  SHIP DSC CHANNEL 0621 GMDS NO DSC packets (DW)
8422  SVT 0356 ARQ w/SITOR Marker (AM2)
8424  HECH 0358 ARQ w/SITOR Marker (AM2)
8429.5  IN ROME (IDR4) 0647 RTTY 75/N/850 CARB. marker. qrm fm EAD sitor
channel mark (DW)
8429.5  IDR4: Rome Naval, ITALY 1700 RTTY 75/850 CARB. (JD2)
8429.5  IDR4: Rome Naval, ITALY 1700 RTTY 75/850 CARB. (JD2)
8430  SHIP DSC CHANNEL 0621 GMDS NO DSC packets (DW)
8442  MTI: Plymouth Naval, UK 1200 RTTY 75/340 CARB: ch.3 of VFT aggregate.
(JD2)
8453  HMON: Houilles Naval, F 2300 RTTY 75/850 test tape. (JD2)
8467.5  HH: Tokyo R. 0844 FAX 60/576 with a Japanese news chart with
"Epidemic Information" printed in large English print. (DW2)
8478  FUF Fort de France 2345 RTTY sending groups of ry/sg (DW3)
8478  FUF: Ft de France 2200 RTTY 75/850 test tape. (JD2) FNF: Ft de France
2301 RTTY 75/850 Marker "ry's sg's figs de FUF de FUF k" (DW) FUF: French Navy
Fort de France 0840 RTTY 75/810 with calltape. (DW2) FUF: 0100 RTTY 75/810
Test Strip - DE FUF / SG / RY / ETC (RT2) FUF: FF Fort de France 0602 RTTY
75bd rrrrrrrryrrrr (BVR) 8480  Unid: 1920 RTTY 50/170 press in RR. (JD2)
8484  SHIP UNID. 2021 RTTY 50/R/170 End of qtc in 3sc (DW)
8494  MTI: Plymouth Naval, UK 1200 RTTY 75/340 CARB: ch.3 of VFT aggregate.
(JD2)
8496.1  CNMW0/G11 Rabat or Tanger at unid time, MAP nx as ann on 13585.9 at
1209. (FH)
8500  VH4: Bombay, INDIA 1645 RTTY 50/850 "RBSL BNR RY...". (JD2)
8504  NMG: 1847 FAX sending wx maps from Belle Chase La.(DW)
8514  MOBILE RADIO (WLO) 2144 FEC Tfc list and storm warning. Use of this
frequency in hurricane season 1Junh30Nov suggests use of alternate
set of frequencies has been discontinued (DW).
8528.5  EBA: SN Madrid 1705 RTTY 75bd nav wrng, 1708 s/off (BVR)
8538  FN DAKAR (6WW) 2314 RTTY 75/850 Marker "vvv de 6WW voici testing de
la station six whiskey whiskey ry's sg's figs voyez le brick k's kilo". (DW) 6WW: French Navy Dakar 0830 RTTY 75/650 with calltape.
(DW2) 6WW: Dakar 0140 RTTY FN RYS/SGS/1-0/ DE 6WW Le Brick testing
(RT2) 6WW: Dakar Senegal 0420 RTTY 75/850 "Voici testing de la
Station 6 whiskey whiskey" marker, RY's and SG's (BDS) 6WW: French
Navy, Dakar, SEN 1645 RTTY 75/850 test tape. (JD2) 6WW: FN Dakar 1711
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RTTY 75bd testing (BvR)

8549 UCE: Arkhangel, RUS 1645 ARQ idling w/"KKKKK...". (JD2)

8568 FUV: Djibouti 1645 RTTY 75/850 8-1/2-bit baudot, incl parity bit; unreadable on my Code 3. (JD2)

8592.1 CCS: Chilean Navy Santiago 0805 RTTY 100/650 with msg for OZMJ regarding "zona de pesca" (Fishing zones) and a list of 60 vsls. (DW2)

8625 FUM: French Navy Papeete Tahiti 0745 RTTY 75/830 with calltape (DW2)

8625.9 GYU: Gibraltar Naval 1500 RTTY 75/200 CARB; ch.1 of VFT aggregate. (JD2)

8642.1 MGJ: Faslane Naval, Scotland 1200 RTTY 75/340 CARB; ch.3 of VFT aggregate. (JD2)

8645 UAT: Moscow, RUS 1645 FEC in RR. (JD2)

8646 FUJ: French Navy Noumea New Caledonia 0743 RTTY 75/650 w/test tape. (DW2)

8664.1 LPD: General Pacheco Radio, ARQ 2300 CW marker. (JD2)

8650 SPB: Szczecin radio 1558 FEC freq's (BvR)

8658 UNID: 0733 FAX 120/576. Appeared to be a Japanese text news chart, but with heavy QRM it was hard to be sure. (DW2)

8677 CBV: VALPARAISO 2314 FAX 120/576 First chart surface analysis started 2314z ended 2331z. Second chart 2333z to 49z. Label corrupted as previous evening. CBV: VALPARAISO 2310 FAX 120/576 First chart 2310z. Sfc analysis 1800z 2328z start of second chart. Yet again scanner (?) screws up area of label CBV: VALPARAISO 2325-59 FAX//120/576 "Carta superficie" for 1800z. Late ? (listed 2310) or new start time? Second unlisted chart starts 2341z dated 13/1200z suggests forecast - label corrupt (DW)

8687.5 UGC: St Petersburg, RUS 0830 ARQ phasing signals w/CW ID. (JD2)

8801.7 Chinese Diplo,??? 2043 4+4 tcf (MC)

8878 T.Korean MFA, Pyongyang 2004 RTTY 50bd/850 5LGs and KK to Embassy Sanaa, opchat in CW (MC)

8991 Unid: 1603 FSK 75bd/576. Appeared to be a Japanese text news chart, but with heavy QRM it was hard to be sure. (DW2)

9036 Unid: 1442 FSK 75bd/200 UNID FSK System, sync, cont, ACF=0 (MC)

9043 5YE: Nairobi Meteo, KENYA 2000 ISB FAX on USB +1900 Hz, 100/850 RTTY on LSB -2000 Hz. (JD2)

9055.3 DOR***: Bulgarian MFA, Sofia 1821 RTTY 75bd/500 "pmo pmo pmo zry 11164" msg acks to Washington DC (MC)

9114 MTI Budapest, Hungary 1653 RTTY 50/461 RY's and ID. (PT)

9123 Unid: 1938 FSK 75bd/850 UNID FSK System, sync, cont, ACF=0 (MC)

9192.6 5ST: Antananarivo 1350 ARQhE3 48/390 (TPA) excellent sig, also at 1410, msg in abbrev FF to FMMZQZX (local) & to FIMP (Mauritius), prev logged on 9159.0 kHz. (FH)

9206.5 US-INTEL near Frankfurt, D 0800 PSK UNID speed//8007.5 kHz, similar to the 108.86bd/170Hz FSK and USB voice transmissions, the carrier shows up on the channel long before the actual transmission starts! (ANEU)

9227.6 Egyptian MFA, Cairo 1941 ARQ idle in IRS mode (MC)

9259 RFGW: MFA Paris 1505 FEC-A 192bd fr mgs (BvR)

9266.9 British Mil,??? 0646 Piccolo-12, idle (MC)

9276.3 German Army,?? 1452 VFT: 3ch of 192bd/170/I FEC-100, crypto ends "%%%%" (MC)

9276.9 German Army,?? 1451 VFT: 3ch of 192bd/170/I FEC-100, crypto ends "%%%%" (MC)

9277.6 German Army,?? 1453 VFT: 3ch of 192bd/170/I FEC-100, crypto ends "%%%%" (MC)

9295 Indian Army EASTCOM ? QTH 1130 RTTY 50/850 w/ admin msgs to VICTOR ZULU INDIA (ML2)

9319 NKR: USN Keflavik UTC? FAX 120/576 bad copy when I've been on. (LC)

9327 Russian Navy,?? 1456 36-50 50bd/200 36-50 tcf (MC)

9331.6 Russian PTT, Kazakhstan 0835 VFT: 3ch of 144/200 FSK UNID System (MC)

9360 OXT: COPENHAGEN MET 1153 FAX 120/576 Ice chart, 1840 FAX 120/576 Poor chart. Can just recognize OXT icon, 1008 FAX 120/576 Ice condition chart, 1203 FAX 120/576 Ice condition chart, 1243 FAX 120/576 Ice chart 2 (DW)

9951 LSB: Centro Meteorologico Vcom., ATA - South Shetland Islands UTC? FAX have been getting the carrier but no pics. (LC)

9983.7 RFHZVDR: Vendemiera 1800 ARQ-E3 100 w/tcf to rfviflr (floreal), Pagina 997
WUN-v02
rfhjprl (praireal), rfhinvs (nivose), rflclf (ventose), rffkgml (germinal), rfhwwc (alpaci) and rfflvl (alfan) w/off-line ciphers. (ANEE)

10026.7 Egyptian Embassy, Havana Cuba 2206 ARQ with 5L grps and plaintext ATUh80 msgs. (DW)

10061.7 Egyptian MFA, Cairo 1802 FEC ATUh-80 Calling Rabat (kdfykc) on 11304.7kHz (MC) Egyptian Embassy, La Paz 1914 ARQ 5LGs "from boustane lapaz to khargia cairo" (MC)

10098.5 British Mil,?? 1949 VFT: 2ch of Piccolo-6, eng ch "" (MC)

10098.9 British Mil,??? 1949 VFT: 2ch of Piccolo-6, crypto (MC)

10116.5 French Diplo? 1912 TT2300b 100bd idle (MC)

10124.9 Unid 1338 ARQ seicalling, off. (FH)

10126 Algerian MFA: 1237 COQUELET 8 tone 26.67 baud w/ tfc FF to CONSALG Litlle and CONSALG Nantes. (PT)

10132.1 TNL: Brazzaville, CONGO 1900 RTTY 50/650 cct ID FSA; msgs all addressed to Sao Tome (FPST). (J02)

10134.6 Unid: 1743 UNID 250bd/140 UNID ARQ System, ACF=75/375 (MC)

10148 MFA Warsaw 1628 POL-ARG 100/379 Press reports in EE. (PT)

10160 Unid: 0933 81-81 81bd/200 tfc (MC)

10162 INA Baghdad, Iraq 1110 RTTY 50/390 Press reports in English.(PT)

10196 UNID RUS-Diplo 1032 CROWD36 40bd/10bd 32-tones, 5 Lgs on UNID link. (ANEU)

10197.2 MFA Brussels 1730 VFT br6028 w/8 channels x ita2 100b til 1800 (ANEU)

10222.2 Russian Mil,??? 1341 MS8 12 tone vocoder (3300Hz pilot), tfc (MC)

10232.2 Russian Mil,??? 1541 MS8 12 tone vocoder (3300Hz pilot), tfc (MC)

10249 RN GIBRALTAR (GYU) 2109 piccolo 6 tone Continuous test tape in the clear "de GYU Tolololo CIP CIP +test (x12times) qbf + string of lettershifts". Standby at 0530z then marker agn. Finally offair (DW)


10250 NATO Mil,?? 2126 Link-11 tfc (MC)

10256 DOR***: Bulgarian MFA, Sofia 2003 RTTY 75bd/500 Diplomatic bulletins in Bulgarian DOR***: Bulgarian MFA, Sofia 1957 CW, "zfozfozfo pse qsy 12138 qsy12138 ok om pse zfk" (MC)

10258 V5G***: Romanian MFA, Bucharest 1811 ROUhFEC 164.5bd/400 (Bitmask=24) crypto, ID in CW (MC)

10277 Unid: 1902 81-81 81bd/200 tfc (MC)

10281 RFLIG: 0025 ARQhE3 192/340 presumed FF Cayenne 51g (RT2)

10300.5 HSW62: Bangkok Meteo, Thailand 1824 RTTY 50bd/1200 AAXX WX for Thailand and Philippines (MC)

10314 MFA Warsaw 1539 POL-ARG 100/251 Tfc in Polish.(PT)10493 MFA Bucharest Rumania 1145 ROU-FEC 164/405 "Radiograma circulara".(PT)

10321.7 Chinese Diplo,??? 1342 4+4 idle (MC)

10380: Unid: 1817 FSK 110bd/170 UNID FSK System, sync, cont, ACF=0 (MC)

10428 GYU: Gibraltar 1930 PICCOLO (2 channels) // 10446. (J02)

10428 Unid 75/847 FEC-S (RT2)

10428.5 GYU: Royal Navy, Gibraltar 1907 VFT: 2ch of Piccolo-6, eng ch "de gyu pse repeat your last pk kilo" (MC)

10428.9 GYU: Royal Navy, Gibraltar 1907 VFT: 2ch of Piccolo-6, crypto tfc. (MC)

10446 GYU: Gibraltar 1930 PICCOLO (2 channels) // 10428. (J02)

10446.5 GYU: Royal Navy, Gibraltar 1845 VFT: 2ch of Piccolo-6, eng ch "de gyu cip cip cip kkkilo" (MC)

10446.9 GYU: Royal Navy, Gibraltar 1845 VFT: 2ch of Piccolo-6, crypto tfc. (MC)

10450 ROU-EMB Stockholm, S 0855 ROU-FEC 218.32/400 msgs in ROU (ANEU)

10471 Unid, Korean? Embassy in N. America 2100 RTTY 50/760 some msgs in Korean?, others in number code w/a few letters, on sev days a week including Sunday here, sometimes 10471.1 kHz. (FH)

10475 Russian Navy,??? 0935 36-30 50bd/250 tfc (MC)

10509.1 MFA Paris/Rome? 1730 TT2300b 100 til 1800 (ANEU)

10536 CFH: Halifax Metoc, Nova Scotia, CAN 1700 FAX 120/576 "canadian forces metoc centre, centre metoc des forces canadians" surface analysis vt 1200z 5th Nov 1996 showing north west atlantic / eastern Canada / Davis Strait /Greenland. (LC)

10569 DOSC Moskva, RUS, 0955 CROWD36 40/10 32-tones, 5LGs +op chat (ANEU)

10580 HMF46: KCNA News, Pyongyang 1548 RTTY 50bd/400 NX in EE (MC)

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10600 XVN37: VNA Hanoi 1510 RTTY 50bd french nx, 1530 eng nx (BVR)
10626 RFFXL: French Forces, Beirut, Lebanon 1730 ARQ-E 184.62bd C.I. XZL, odd speed characteristic of this circuit. (JD2) 10626 RFFXL: 0500 ARQ-E 184.6 w/tfc rffxcot, rffabct, rffw, rffbbct, rffecest w/off-line cipher message (ANEE)
10638 Unid: 1532 RT-AQE 228.7bd/170 tfc (MC)
10674 REK4: UNID RUShStation, RUS RTTY 50.3/500, cyrillic 5 LGs//14787 khz, tfc to RCY (ANEU)
10701.2 German Army,??? 1904 VFT: 3ch of 192bd/170/I FEC-100, crypto ends "%%%%%%" (MC)
10701.9 German Army,??? 1906 VFT: 3ch of 192bd/170/I FEC-100, crypto ends "%%%%%%" (MC)
10723.2 German Navy,??? 1539 VFT: 3ch of 150bd/160 FSK UNID System, sync, cont, ACF=0 (MC)
10723.9 German Navy,??? 1540 VFT: 3ch of 150bd/160 FSK UNID System, sync, cont, ACF=0 (MC)
10724.6 German Navy,??? 1540 VFT: 3ch of 150bd/160 FSK UNID System, sync, cont, ACF=0 (MC)
10757.5 MKK: Royal Air Force, London 2006 VFT: 2ch of Piccoloh6, eng ch "muh de mkk plse to qsy ft026" (MC)
10757.9 MKK: Royal Air Force, London 2007 VFT: 2ch of Piccoloh6, crypto tfc (MC)
10865 NAM: USN Norfolk, USA 1900 FAX 120/576 decent sat pic. (LC) (Cutler, Me -LOGS) 10865 NAA: USN Cutler 2000 FAX 120/576 sending NAM / USN Norfolk wx facsimile product 2000z GOES-8 sat pic of USA "1945 03NO96 21c-4 3576 43371 ECO G" nice cloudy one. (LC)
10896.2 Russian M1l,??? 0620 MS5 12 tone vocoder (3300Hz pilot), idle (MC)
10912 Polish Embassy, Cairo 1854 POL-AQE 100bd/250 MSGs to SNN299 marked "m:kair" (MC)
10927.5 MKD: Royal Air Force, Akrotiri 1848 VFT: 2ch of Piccoloh6, eng ch "de mkd u be 555ers pal pse to zbz" (MC)
10927.9 MKD: Royal Air Force, Akrotiri 1847 VFT: 2ch of Piccoloh6, crypto tfc (MC)
10927 MKD: Akrotiri, CYPRUS 1930 PICCOLO (2 channels). (JD2)
10929.2 Russian M1l,??? 1159 MS5 12 tone vocoder (3300Hz pilot), tfc (MC)
10991.7 RFFVAY: FF Sarajevo [fkwb] 1225 ARQ-M2 sx (BVR)
11027 Unid Soud station 1400 RTTY 75/500 msg prefixed "11177 70004". (JD2)
11031 GBT: Belgrade Serbia 1520 FEC-A 192/574 Tfc to P62 USA Paris.(PT)
11038 U3H: French Emb Moscow 1310 FEC-A 192bd 5 fgs. L4N: French Emb Dakar 1422 FEC-A 192bd 5 fgs (BVR)
11080 SANA Damascus 1450 RTTY 50bd eng nx 1455 into arabic (BVR)
11122 Unid: 1718 Fax USAF AWS sending wx maps (DW)
11140 CTV71: Monsanto 0100 RTTY 75/850 foxes & RY's from RPFW to PWX. (FH)
11155 8WA11 Indian Emb Thimphu BHU 1100 RTTY 50/425 c9g 8WD17 New Delhi w/QRU (ML2)
11158 Unid: 0624 RT-AQE 240.1bd 8 tone (MC)
11181 FFFT: SIOS TRE ROMA Italy 1215 FEC sent selcal VCOS for abt 45 mins. Ctctd AAFFT (identifying himself as XXXXXX) via SPE cct and sent a msg of 5LG. He then ctctd EEEEEE, DIFEMMISPEC ROMA sent short msg in Italian abt computers (PT)
11283.7 Egyptian Embassy, Kuwait 0837 ARQ ATU-80 opchat to MFA Cairo (MC)
11304.7 Egyptian Embassy, Rabat 1807 ARQ Receiving tfc from MFA on 10061.7khz (MC)
11453 IMB3 Rome, Italy 1132 RTTY 50/848 Rome Meteo with RY's and ID.(PT)
11481.9 Unid: 0626 81/850/500 tfc (MC)
11541 Unid: 1050 FSK 75bd/180 UNID FSK System, sync, cont, ACF=0 (MC)
11627.7 6Ww: Dakar 1950 ARQ-E3 192/300 (TTJ) FF CdV from RFTJ to RFLI Fort de France, was 11631.8, neither listed. (FH)
12057.6 Unid: (MFA Ankara/Beograd?) 1700 FEC-A 144 very weak til 1730 (ANEW)
12105 Unid: 0658 CIS-14 96bd/500 crypto (MC)
12106 Unid: 1123 FSK 75bd/500 UNID FSK System, followed by 600bps UNID FSK System (MC)
12111.5 Unid: 1127 FSK 75bd/850 UNID FSK System, sync, cont, ACF=0 (MC)
12112.5 Spanish Embassy, Moscow 0719 TWINPLEX-1w 100bd/140 MSGs in SS to MFA Madrid (MC)
12137.4 ZFO**: Bulgarian Embassy, Havana 1955 RTTY 75bd/500 MSGs to MFA Sofia in Bulgarian headed "ot havana" (MC)
12150 MFA Rome Italy 0929 ARQ-E 96/413 Tfc to Ital. embassies.(PT)
12204.8 Unid: 1333 RTTY 75bd "asm zok not good pse zal 2 tks" then into unid mode 359.7/475 (Bvr)
12206 Russian Diplo,???, 0700 CROWD-36 tfc (MC)
12209.8 Unid 2138 RTTY 100/400 to CW at 2140 for 2 mins, then back to 100 or higher baud RTTY. (FH)
12212.5 YZI 234: TANJUG BELGRADE, SRB 2112 RTTY 50/425 news in EE (SS)
12214 HC?????: UNHCR, Khartoum 1217 PACTOR-U 200bd/200 MSGs about refugee problem in Sudan (MC)
12219 German MOI? 0654 ARQhE 96bd/180 crypto (MC) Unid: MossadhBND Link?
1030 ARQhE 96/200 online enciphered tfchsample preamble: (begin)
vds+zgr65 (&1050+)5 lte......(end) **note: vds - file open, zgr - group count, & 1050 - time stamp** (ANEE)
12228 DoSc Moskva, RUS 0951 CROWD36 40Bd 32htones, 5 LGs - link ID not copied, QSY to 12224 kHz at 10:01 UTC (ANEU)
12230 Unid: 0656 81h81 40.5bd/500 tfc (MC)
12303 MKD: Aktotiri, Cyprus 1122 PICCOLO Working MUH 45, location unk. (PT)
12326.5 'CJL': Mossad Tel Aviv, ISR 1535 ARQhE 96/340 5 LGs to SISMI Roma ('WJI'). Transmitter site north of Tel Aviv, probably Haifa. (ANEU)
12485.5 LYCS: RUSNE (Lithuanian cargo vsl) 0722 RTTY 50/170 psn rpt from 40.35N/0955W to LYQ. (HOOD)
12512.5 UEMP: RTMS MALTA 1727 RTTY 50/170 admin from Km Vladimirov to UCE. (ITU c/s now UCON but may still use UKDC). (HOOD)
12530.8 Unid: 1105 USB. p/p in RTTY band (AW)
12551.5 UAWH: KAPITAN BUBNOV (AAh1837) 0715 CW clg RKLM: Arkhangelsk radio (answering on 12830.0). (HOOD)
12560.5 EVBP: TR YANTARNYY BEREK 1725 RTTY 50/170 admin from Km Guseynov to UIW. (HOOD)
12561.5 UOLQ: BATM PETR SHAFRANOV 0854 RTTY 50/170 admin from Km Revenko to MRM SEVRYBA via UIW. (HOOD)
12562.5 UOLOQ: BATM PETR SHAFRANOV 0854 RTTY 50/170 admin from Km Revenko to MRM SEVRYBA via UIW. (HOOD)
12562.5 UOLOQ: BATM PETR SHAFRANOV 0854 RTTY 50/170 admin from Km Revenko to MRM SEVRYBA via UIW. (HOOD)
12563.5 UFKT: TR Pioneer Volkov 1725 RTTY 50/170 w/admin TG’s to Sevastopol from master KMD Bessonov. (RB)
12564 N/A: TKH ALEKSANDRE 1534 RTTY 50/170 msg in EE to UHP5 "RADIO ST PETERBURG ENNEK" giving QTO Kalamala bnd Iraklion (c/s given as XU7BE in ry tape and also in CW sign-off). (HOOD)
12564.3 UGSP: TR Ussuriyskaya Tayga 1932 RTTY 50/170 msg in EE to UHP5 "RADIO ST PETERBURG ENNEK" giving QTO Kalamala bnd Iraklion (c/s given as XU7BE in ry tape and also in CW sign-off). (HOOD)
12565.5 UOLOQ: BATM PETR SHAFRANOV 0854 RTTY 50/170 admin from Km Revenko to MRM SEVRYBA via UIW. (HOOD)
12566.5 UWCC: TKH SERGEY LAZO 0702 RTTY 50/170 admin from Km Crivpust to UUI. (HOOD)
12567 UCPP: TKH DNEPROPZERZHINSK 0711 RTTY 50/170 msg to Istanbul from Km SHEVTSOV with ETA for Mariupol. (HOOD)
12567 UCPP: TKH DNEPROPZERZHINSK 0711 RTTY 50/170 msg to Istanbul from Km SHEVTSOV with ETA for Mariupol. (HOOD)
12567.5 UCPP: TKH DNEPROPZERZHINSK 0711 RTTY 50/170 msg to Istanbul from Km SHEVTSOV with ETA for Mariupol. (HOOD)
12568 UCQ: TRMKS LOZAR 0722 RTTY 50/170 admin from Km Yuzhny to VNIIO. (HOOD)
12568 UCQ: TRMKS LOZAR 0722 RTTY 50/170 admin from Km Yuzhny to VNIIO. (HOOD)
12568 UCQ: TRMKS LOZAR 0722 RTTY 50/170 admin from Km Yuzhny to VNIIO. (HOOD)
12569 UYVB: TKH DENEK 0711 RTTY 50/170 svc msg from R/Off and admin from Km Sotnikov (eta for Taranto from China, has no telex or fax and VHF limited to 20 miles range) to UUI. (HOOD)
12569 Pagina 1000
UIUR: TKH PETR STRELKOV 0716 ARQ admin from Km Krhapko to UCE. (HOOD)

UYTB: RTMKS Rybak-1 2000 RTTY 50/170 Ukrainian Super stern ramped fishing trawler/freezer w/crew TG tfc to Kaliningrad Radio. (RB)

UWTB: TKH Akademik Guber 1934 RTTY 50/170 4,450 DWR Ro/Ro (Azov) w/RVRY, DE, to USU (Mariupol Radio) & into crew TG's (MRU/UKR.... interesting!). (RB)

UDYG: RTMKS Zakhar Sorokin 2035 RTTY 50/170 w/RVRY/DE to UDK2 (Murmansk Radio) & into admin traffic to Murmansk BVTs Sevryby using hull#/ID MA1816. (RB)

YLKK: MANGALSALA 0734 RTTY 50/170 crew TGs (all to addresses in Kaliningrad). (HOOD)

MDSS CHANNEL 1020 GMDSS//100/E/170 14 packets. Couple of test calls/responses to Lyngby. Rest intership DSC calling often giving illegal frequencies or illegal modes on valid channels (DW)

IDR5: IN ROME 0642 RTTY 75/N/850 Daytime CARB " /IGJ44 /IGJ42 /IGJ43 /IDR2 /IDR3 /IDR4 /IDR5" (DW)

USU: Mariupol radio 1500 RTTY 50 cq de use and freq's (BVR)

UCE: ARKHANGELSK RADIO 0741 ARQ crew TG to 9HXH4: TKH ALEKSANDR SIBIRYAKOV. (HOOD)

USCG Boston, Ma, USA 1510 FAX 120/576 note NOT 12750 //9110.(JD2)

USCG New Orleans 1431 FAX 120/576 w/surface analysis:National Hurricane Centre Miami (TD2)

USN Diego Garcia 1415 FAX 120/576 w/chart - TO55 MELANIE WRNO#7 (TD2)

Unid: 1300 TWINPLEX 100 til 1400 weak (ANee)

MFA Algiers Algeria 0950 COQUELET 8 26.67 baud Tfc in French to various embassies. (PT)

MFA Cairo 0900 ARQ wkg/embassies Kuwait City, Amman, till 0930 (ANEE)

MFA Bonn 0930 RS-ARQ 226.7 wkg/embassy Tripoli til 1000 (ANEE)

Unid: 1453 ARQ ATU-A tcf (BVR)

"WJJ" unk, Italy? 1455 ARQ-E 96bd October in the DTG was abbrev as "OTT". (JD2)

MFA Algiers Algeria 0950 COQUELET 8 26.67 baud Tfc in French to various embassies. (PT)

MFA Algiers Algeria 1510 COQ-8 some op chat in FF. (JD2)

DoSC Moskva, RUS, 0940 CROWD36 40Bd/10Bd 32htones, 5LGs, then HY+op chat in 10 Bd MFSK (ANEU)

MKD: RAF Akrotiri, CYP 1200 PICCh6 2 channels, didn't say whom he was wkg. (JD2)

Unid: 1300 TWINPLEX 100 til 1400 weak (ANEE)

MFA Bonn 1100 RS-ARQ 228.7 w/tfc to western Europe til 1200 (ANEE)

NNNOFTH 1515 ARQ w/MARS msgs. (FH) NNNOC= 1610 PACTOR 200 baud MARS w/telegrams home.(PT)

RFCW: Paris 1535 FEC-A 192/400 FF msg to 10 named embassies, then 5L code. (FH)

w3S***: French Embassy, Islamabad 1110 FEC-A 192bd/500 5LGs to "RFGW" (MFA Paris) (MC)

w3S French Emb Islamabad PAK 1220 FEC-A 192/425 w/5LG's (ML2)

MFA Oslo 1100 TWINPLEX 100 til 1130 (ANEE)

BPFX: Versailles 1400 ARQ-E 184(!)/400 C1. XXL to Beirut, unusual baud rate. (FH) Unid: Fr ml [7x1] 0640 ARQ-E 184bd idle (BVR) (prob MOD Paris to FF Beirut - LOGS)

Unid: 1309 ARQ-E 184.6/330 idle (SS)

CNM85/X11 Rabat 1530 RTTY 50/400 MAP nx in FF, at 1235 MAP nx in EE /CNM 18255.0. (FH)

Unid: MAP 1320 RTTY 50/386 news in EE (SS)
13665.1 6VU73: Dakar 1314 RTTY 50/720 meteo, carrying same msgs as on 19747.5
6VU79 except for different shift there. (FH)

13665.3 6VU23: Dakar, SENEGAL 1610 RTTY 50/740 wx on LSB of (about) 13667.5
kHz. (JD2)

13669.2 6VU23: Dakar, SENEGAL 1610 FAX 120/576 on USB of (about) 13667.5 kHz.
(JD2)

13820 N.Korean Diplo,??? 0849 RTTY 50bd/1000 MSGs in KK ending "--------quok"--------" (MC)

13822 Unid: 0850 FSK 75bd/250 UNID FSK System, sync, cont, ACF=0 (MC)

13855 OXT: Copenhagen Meteo, DNK 1320 FAX 120/576 w/STGG-EMI ice chart
marked "chart 2", v.good. (RB) COPENHAGEN MET (OXT) 1220 FAX 120/576
800 Ice condition chart, at 1308 just audible in noise floor (DW)

13882.5 DDK6: Hamburg Meteo 1330 FAX 120/576 w/surface chart, good. (RB)

13894.7 Unid: 1300 ARQhM2 200 idle til 1600 (ANE)

13907.5 Unid: 1802 PACTOR 100bd/200 UNID sub-mode, tfc (MC)

13917 Unid: Pol Emb Tripoli? 1419 POLhARQ 100bd 5 fgs (BvR)

13930 DOR Sofia, Bulgaria 1137 RTTY 150/769 Press reports in Bulgarian.

13940.7 Unid: 1400 ARQ 5 fgs (BvR)

13947 ROMS: Tashkent Meteo, UZB 1341 FAX 60/576 VT1800 chart, weak. (RB)

13953 MFA Paris 1045 FEC-A 192 wkg/embassies Bucharest, Moscow, Dakar til
1115 (ANE)

13956.5 H23, unid Tunisian diplo 1658 FEC wkg "WEG". (JD2)

13956.2 Unid: 1153 FSK 75bd/200 UNID FSK System, sync, cont, ACF=0 (MC)

13963.6 RCIKIN:*** ICRC, Kinshasa 1758 PACTOR-II 200bd/200 MSGs in FF and EE
from MBINAI ICRC Mailbox (MC)

13974.4 ICRC Geneva 1230 PACTOR 200 w/tfc ICRC Kampala til 1330 (ANE)

13977 Unid: 1400 ARQ 5 fgs (BvR)

13984.2 Russian Mil,??? 1444 MS5 12 tone vocoder (3300Hz pilot), tfe (MC)

14008 UNID RUS-ny station, RUS 1005 UNID 50/500 136 bit korr. encrypted
tfc. (ANEU)

14387.5 MFA Moscow 1515 CROWD36 40.1 tfe til 1545 (ANE)

14402 MFA Moscow 1615 CROWD36 40.1 tfe til 1645 (ANE)

14411 Unid: 1630 FSK 50 unid system 50/250hz shift, til 1700 qrt (ANE)

14445 MKK: 1715 VFT  50/310 RAF London,England foxes/rys/1h0 test strip.

14470.7 NNN0xxx: USNMARS, Various 1221 ARQ UNCLAS MSGs in EE marked "de cei
nnn" (MC)

14494 GYU RN Gibraltar 0850 PICCOLO w/svce msgs to unid sta,third sta
OMAN mentioned (ML2)

14496 Soud sta 1220 RTTY 75/500 w/SLG's link ID 20076 (ML2)

14500 MFA Paris 1700 ARQh9-90 200 wkg/embassy Dakar, one 5l gp, short telex,
til 1730 (ANE)

14517 Unid: 1224 FSK 75bd/200 UNID FSK System, sync, cont, ACF=0 (MC)

14536 BRACKNELL MET (GFL24) 0953 RTTY 75/N/400 Met traffic (DW)

(ANEU)

14560.3 JFY2: PETRA News, Amman 1044 RTTY 50bd/410 NX in Arabic (MC)

14573 JANA, Tripoli: 1625 RTTY 50/400 w/Arabic nx items. (RB)

14663.5 MFA Bonn 1000 RS-ARQ 228.7 formerly arg-e/96 ckt (ANE)

14679 UNID RUS-DoSC station 0939 CROWD36 40bd 32-tones, PSEUDO#-encrypted
bitstream (ANEU)

14686 MFA Bucharest 1000 ROU-ARQ 164.41 on-line encryption ending with
$$$------3333### sequence of repetitions, til 1015 (ANE)

14713.5 MFA Moscow 0745 CROWD36 40.1 wkg/embassies Cen. Europe til 0815.
(ANE)

14718.7 Japanese Consulate Penang MLA 0850 ARQ w/RY's foxes and ET(KV)RY.

14719 Unid: 1015 FEC qtc. OST Oostende Radio, Belgium 0800 FEC dirtlx svc
til 1600 (ANE)

14721.6 MFA Sofia? 1000 RTTY 150 on-line encryption til 1030 (ANE)

14732 RFVI FF Le Port REU 0920 ARQ-E 96/400 w/non protege msgs to RFVITT
Dzaoudzi MYT cct ITT (ML2)

14817 DoSC Moskva, RUS 0834 CROWD36 40bd/10bd 32-tones, 5 LGs to unloc
station after 11177 43323 ..... (ANEU)

14820  ILMD French Emb Islamabad PAK 0850 ARQ6-90 200/400 w/5LG's (ML2)
14844  UNID RUS-NY station, RUS 0715 UNID 50/250 272 bit korr. encrypted tfc. (ANEU)
14855  'DOR': MFA Sofia, BUL 0755 IRA-ARQ 210.2/500 msgs to Cairo (ML2)
14876.7 Egyptian Emb Islamabad PAK 1140 ARQ w/ATUh80 msgs to Cairo (ML2)
14912  D2FG: MFA Belgrade 1415 RTTY 75/400 w/encryption, then in the clear op chat "TKS QSP OK HR 129" & back into encrypted traffic. (RB)
14927.7 RFTJ?: 1830 ARQ-E3 192/340 w/Controle de Voie on C.I. TJD which would be Dakar to Libreville, then non-protege tfc from Marine Dipermil Paris to AIG 2133, RFRA listed here before. (RB)
14928.8 B88: SDECE Intel SVC. 1045 CW text: 8by 8by 8by 487/455/914 vvv vvv, til 1100 8by; SDECE Intel svc 1345 CW text: 8by 8by 455/914/099/080 (rpts) til 1400 (ANEU)
14971.7 Egyptian Embassy, London 0945 ARQ excerpts from London newspapers translated into Arabic. (JD2)
14974  UNID RUS-NY station, RUS 1027 UNID 50/500 272 bit korr. //13422(250 Hz shift)//14960 (250 Hz shift) (ANEU)
14990.7 Unid: 1350 TWINPLEX can't read this mode, Islamabad reported here. (FH)
15016.7 RKUKGK (Havana): Egyptian Embassy, Havana, Cuba 1833 FEC w/MFMT (equivalent of RY's) JG (From) CFUW ODS 50541 (freq 14805), brief ATU-80 tfc and off w/"RKUKGK" (Havana). (RB)
15043.7 Unid: Egyptian Embassy? 1715 ARQ in idle. (RB)
15044.3 Unid: Egyptian Embassy 1718 ARQ sending ATU-80 tfc "YKS YKS" (bi-bi). (RB)
15476.5 Indonesian Emb New Delhi IND 0950 ARQ w/sign off to Jakarta (ML2)
15668  DIPL***: French MFA, Paris 1114 ARQ6-90 200bd/400 idle in IRS mode. (MC)
15676.2 MFA Budapest 1545 DUP-ARQ 125 tfc w_embassy Tripoli til 1630 (ANEU)
15701.7 Egyptian Emb Bahrain BHR 1100 ARQ w/ATU-80 msgs to Cairo (ML2)
15717.7 MFA Tokyo 1500 ARQ tcf w/embassy Conakry, selcalls only (bcvc), til 1630 (ANE)
15720.5 MFA Moscow 1430 CROWD36 40.1 prob Ottawa/Washington embassies til 1500 (ANE)
15729  PCW1: MFA Den Haag 1420 TWINPLEX 100bd persspiegel (BVR)
15733  SOUD Station,???: 1205 RTTY 75bd/500 5LGs on link ID "30088" (MC)
15781  NHF/Unid?: USAF AWS Roosevelt Roads, PTr or UNID?? 1545 FAX 120/576 unk chart polar / USA 30N - 90N, 1559z SINPO 55533 with distinct echo "lifted index analysis 12z wed 06 nov 1996" + NOAA logo + garble. Lifted Index / K index is a pointer to air instability or turbulence I think. 1609z unk chart perhaps upper air / temp chart for 500mb north polar. 1631z unk chart with distinct echo perhaps upper air / temp chart for ?? mb north polar (small print garbled). (LC)
15812  Unid: 1330 unk unk/390. (FH)
15821.9 MFA Stockholm 0800 ARQ-SWE 100 wkg/embassy Tel Aviv, to Tel Aviv 0830-0900 and qtc (ANE)
15833  V5G: MFA Bucharest, ROU 1510 ROU-TEC 164.5/400 w/circular ('circulara') tcf. (RB)
15849  DoSC Moskva., RUS 0925 CROWD36 40BD/10Bd 32-tones, 5 LGs after 11177 07039 ....... (ANEU)
15873  PGZ***: French MFA, Paris 1200 FEC-A 192bd/400 5LGs to "W3E" (Embassy Islamabad) (MC)
15897  Unid: 1207 FSK 300.3bd/850 UNID FSK System, sync, cont, ACF=0 (MC)
15909.5 CLP: Cuban Embassy Dar-es-Salaam, TZA 1620 RTTY 50/500 wkg CLPl in SS. (JD2)
15916.7 8WB1: Indian Embassy, Belgrade 1341 RTTY 50bd/170 5LGs to MFA New Delhi (BdW4) relayed from Moscow (MC)
15920  CPH: Canadian Forces, Halifax 1347 RTTY 75bd/850 "naws de cfh zkr f1 2822 3287 6248 8306 12401..." (MC)
15933  TAD83: TUR-EMB Tripolis, LBY 0923 FEC-A 144/850, messages to TAD, later QSY to same frequency as TAD (16908 kHz), ID as 'TRABLU'. (ANEU)
15946.5 MFA Madrid 1600 TWINPLEX 100 wkg/embassy Kiev til 1630 (ANE)
15969.2 Unid: 0752 ARQ idle in IRS mode (MC)

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15970.5 KKN50: Washington D.C., USA 1435 CW "QSX 6/10/11/15 K". (JD2)
15991.5 Indonesian Emb Riyadh ARS 1100 SI-ARQ 96/170 5 characters w/msgs to Jakarta (ML2)
16006.7 EGI Cairo 1600 ARQ wkg/EGI station Harare, 2 'urgent' 51 tlxs, then MFA Cairo w/circular with one ATU-80 msg, til 1715 (ANEE)
16019.5 AR4USD***: US Army MARS,??? 1325 PACKET 300bd/200 uuencoded data (MC)
16027.7 AR4USD***: US Army MARS, Heidelberg 1325 PACKET 300bd/200 Uuencoded data (MC)
16106.7 MFA Warsaw 1030 POL-ARQ 100 wkg/embassies Sao Paulo and Brasilia, computer-computer file transfers claris' 150-152, til 1115 (ANEE)
16113 HBD22 Swiss Emb New Delhi IND 0820 ARQ w/5LG's to Hanoi VTN (ML2)
16124 'ZKD'others: ALG-net, ALG 1115 RTTY 50.08/400 bit inversion op chat in French (mask 31), ZKD is net control (ANEU)
16135 KVM70: Honolulu Meteo, Hi 1830 FAX 120/576 w/satellite image disk, weak. (RB)
16149 UNID RUshDoSC station, 0807 CROWD3 40Bd 32htones, PSEUDO#hencrypted bitstream (ANEU)
16167 RUshDiplo 1230 RTTY 75/500, repeating +071+ sequence (ANEU)
16204 N.Korean MFA, Pyongyang 1423 RTTY 50bd/1000 MSGs in KK (MC)
16238.2 D7A French Emb Addis Ababa ETH 1110 FEC-A 192/425 w/5LG's (ML2)
16270 Unid: 1429 RTTY 75bd/850 crypto (MC)
16306.3 "GNA" 1744 RTTY 50/170 RY's then YLHC DE GNA followed by garbled msg in EE. (FH)
16322 ROU-EMB Tel Aviv, ISR 0000 ROU-FEC 218.32/400, tcf. to in ROU Bucharest (ANEU)
16324.9 Romanian Embassy, Amman 1223 ROU-FEC 218.3bd/400 MSGs in RR to MFA Bucharest (MC)
16351.7 PAK-EMB Ankara, TUR 1130 TWINPLEX 100 5 LGs to Islamabad (ANEU)
16357.1 CLP8: Conakry 1350 RTTY 50/470 SS msgs to other Cuban Embassies in Africa. (FH)
16386.7 PAK-EMB Algiers, ALG 1246 TWINPLEX 100 msgs. to Islamabad in EE on current contract for Port Amboim & Pinda (sealed bids). (FH)
16685.5 UNSW: TKH Kapitan Bukmakin 1540 ARQ w/tlx re discharge of cargo report, login 66191 UNSW. (RB)
16688 EQPX: MV Iran Ghodousi 1330 ARQ w/posn (TD2)
16692 UYTI: MV Rybinsk 1000 ARQ w/eta Beira logoff 67863 UYTI (TD2)
16697.5 MV Kapitan Leontiy Borisenko 1324 ARQ w/tfc for Odessa (TD2)
16698.5 OYQU2:MV Maersk Logger 1430 ARQ w/tfc for Singapore logoff 85884 OYQU2 (TD2)
16699.5 LAKW2 M/V SWAN RIVER 2008 ARQ w/tlx LOGIN 26557 SWARIV. (WT)
16705 WCJY: MV Export Patriarh 1539 ARQ ship 10816 sc xxsy co/ch WLO 16828 (BVR) (see 16828 - LOGS)
16713.5 3EL09 M/V CULUMINIE 2200 ARQ w/tlx LOGIN 42971 JSLY (WT)
16766 "ICU" unid vsl 1830 FEC w/EE Mainila nx relayed by DZX to N. America satellite & retransmitted by this station "DE ICU/ICU AT UR SVC FM AL", God bless us all in a safe voyage. At 1400 next day repeated. (FH)
16768.5 UHRN: KHRUSTALNY BEREG 1015 RTTY 50/170 long msg to Vladivostok about defects in Nav/Comms gear. (H00D)
16777 UDZV: TSM 8359 (Osinowka?) 0920 RTTY 50/170 w/crew tgms (TD2)
16779.5 Unid vsl 1415 FEC w/relay of EE Mainila nx, received by satellite to ship, then "END OF PX DE KAYDO (ASCO BOY) BACK TO CENTRO 73". (FH)
16797.5 CGMS: RTMS Kapitan Smelow (Kmd Gridnew) 0930 RTTY 50/170 w/catch totals. UFXI: RTMS Novorossivskiy Rabochiy 0900 RTTY 50/170 w/eta's Lome and Port Harcourt (TD2)
16800.5 UKFK: MV Anatoliy Lunacharskiy w/eta Jeddah for bunkers (TD2)
16800 Ship Southern Cross 1355 FEC w/relay of EE Mainila nx, ends at 1404, "BACK TO CENTRO". (FH)
16801  UTIZ: TKH Novogorod 1318 ARQ w/crew TG's. (RB)
16802  UUUB: RKTS Marshal Sudets 1653 RTTY 50/170 w/admin TG from master KMD
Achauanov. UTSW: RTMKS Kapitan Orlikova 1709 RTTY 50/170 w/RY's &
"Dogisv", into crew TG's to Ilchevsk. (RB)
16803.5  EMET: Unid 1627 RTTY 50/170 w/crew TG's, off w/73 DE EMET, no name
seen in tcf sent. UPP: RTMS Biosfera 1635 RTTY 50/170 w/RVRY/DE to
URL & into admin TG from vsls radio op "RM" marked priority. (RB)
16804.5  GMDSS CHANNEL 0947 GMDSS 100/170 No DSC packets (DW)
16806.5  NMC: CAMSPAC Point Reyes, Ca, USA 0530 FEC Typhoon warning + the
following: THE RECENT UPGRADE OF THE GUAM REMOTE EQUIPMENT IS NOW
COMPLETE. MARINERS SHOULD NOTE THAT ALTHOUGH THE DUAL SITOR CW SIGNAL
HAS CHANGED FROM NMC TO NRV, THE SELCALL AND ALL OTHER OPERATIONS
REMAIN UNCHANGED. QUESTIONS OR CONCERNS MAY BE ADDRESSED TO U.S.
COAST GUARD CAMSPAC SELCALL 1096, MID 003669990. (MS4)
16810.5  FFT: St Lys 0905 FEC w/instrs for pp's (TD2)
16828  WLO: Mobile radio 1632 ARQ tlx tfc to WCJY (BvR) (see 16705 h LOGS)
16908  TAD: MFA Ankara, TUR 0925 FEC-A 144/850 op chat to TAD83 (ANEU)
16927  UIW: KALININGRAD RADIO 1327 RTTY 50/170 msg to UFZJ: RTMS AZIMUT for
Km Marchenko. (HOOD)
17141.6  RIO DE JANEIRO NAVAL (PWZ) 1820 FAX, 120/576/N/800 Late start? Sea
level water temperature (C) (DW)
17141.6  USU: MARIUPOL RADIO 1205 RTTY 50/170 Transmission of blind tcf in
3sc then tcf in cw then indicates "qsx 480/6277.5 /8366,5/ 12550,5/
22280" (DW)
17142  PWZ: RIO DE JANEIRO NAVAL 1745 FAX 120/576 Starts w/short test chart
w/possible naval insig. Two charts first w/Brazilian coast & isobars
over S Atlantic. Large letters but poor copy. Fading at end. 1757 FAX
120/576 Weak noisy pix but better than last three days. Freq -300hz
? suggests erratic freq. Second chart sea level pressure chart at
1809z (DW)
17148.3  NMG: USCG New Orleans, 2000 FAX 120/576 East Pacific and Western USA
ice / unk chart with loads of arrows and large explanatory panel on
bottom left. QSL Heaven!! (LC)
17425.8  German INTEL, D 1308 VFT 3 x FEC-A-96/85Hz, 5 Lgs to UNID station
(ANEU)
17441.6  NAIROBI MET (5YE) 0700 RTTY 100/850 Met traffic (DW) 5YE: Nairobi
1840 RTTY 100/826 Meteo SNG presumed synoptic wx.(RT2)
17443.6  SYE: Nairobi Meteo, KENYA 1030 ISB FAX on USB +1900 Hz
100/850 RTTY on LSB -2000 Hz. (JD2)
17445.5  NAIROBI MET (5YE) 0704 FAX 120/576 Regional area forecast for
3/1800z (DW) 5YE: Nairobi 1855 FAX 120/576 Analysis of Indian Ocean.
(RT2)
17487  Russian Diplo,??? 1142 CROWD-36 tcf (MC)
17510  OXT: COPENHAGEN MET 1335 FAX 120/576 Weak rhythmic beat and dead zone
printing (DW)
17550.9  RFTJ: Dakar, SENEGAL 1100 ARQ-E3 192bd C.I. AFL, wkg "Provence".
(JD2)
17961.7  MFA Cairo MOI 1200 ARQ circulars til 1245 (ANEU)
18016.7  MFA Cairo MOI 1500 ARQ wkg/embassy Kinshasa w/new sked til 1600.
(ANEU)
18040.5  TCY4: AANews, Ankara 1254 VFT 50bd/1100 NX in Turkish (MC)
18042  MSF Mazar Afghanistan 1300 ARQ tfc w/Brussels, file transfers til
1330 (ANEU)
18053.6  MFA Cairo 1100 ARQ wkg/embassy til 1145 (ANEU)
18092.1  Polish diplo,??? 1104 POL-ARQ 100bd/250 ended "vy tks pa gb sk
@@". (MC)
18107  Unid: 1545 FSK 50/250 CIS system, unid user (ANEU)
18108.3  Unid: Austria 1300 PACTOR 200 > germany link, company/org mailbox
service? (ANEU)
18136.7  MFA Cairo 1130 ARQ wkg/embassy Nairobi til 1200 (ANEU)
18150.5  MFA Moscow 1330 CROWD36 40.1 til 1415. MFA Moscow 0930 CROWD36 40.1
til 1415 (ANEU)
18162.5  Unid: 1106 PSK 1800bps UNID PSK System, short bursts of data (MC)
18211.7  MFA Cairo 1215 ARQ wkg/embassy Abu Dhabi til 1300 (ANEU)
18252  Cairo Meteo, EGY 0820 RTTY 100/800 synoptic wx reports (ANEU)
18255  CNM85 Rabat or Tanger 1530 RTTY 50/400 & again at 1610 FF MAP nx
// CNM85 13585.9. (FH)
18268  MFA Berne 1000 ARQ tfc w/embassy Pretoria, huge 51 grp messages, til
Pagina 1005
18269 MFA Berne? 1345 ARQ 51 gps, very weak, til 1445 (ANE)
18273 CLPI: Havana 1458 RTTY 50/434 EE nx then repeat in SS. (FH)
18300 MFA Prague 1100 RTTY 110 w/kg/embassies Beirut, Tunis, Accra w/telexes and press clippings (ANE)
18303 Czech Intel SVC 1600 USB #s bdcst til 1630 (ANE)
18303.2 OLX MOI Prague UTC? CW also 18303.0 calling unid station poss -hsi- (ANE)
18303.8 MFA Rabat 1100 CW tfc w/unid european Embassy, 246 grp 5f msg, til 1115. (ANE)
18319 MFA Bratislava 1130 RTTY 100 w/tfc embassies former yugoslavia, telex about krajina and qrt til 1230 (ANE)
18332 DoSC Moskva, RUS 0814 RTTY 75/500, 5 LGs on link <10042> (ANE)
18343 MFA Lisbon 1115 ARQ tfc w/embassy Kinshasa, telexes, 51 tfc and circuit testing til 1245 (ANE)
18347 DoSC Moskva, RUS 1030 CROWD36 40bd/10bd 32-tones, 5Lgs after 1117 00096 .... (ANE)
18411.5 MFA Jakarta 1230 FEC-S 96 circular deplu press service til 1245. (ANE)
18415.5 Indonesian Emb Manila PHL 0850 ARQ w/msgs to Jakarta (ML2)
18454.8 Unid: 1401 RTTY 75/850 w/online encryption. (RB)
18493.9 Unid: 1304 FSK 100bd/850 UNID FSK System, sync, cont, ACF=0 (MC)
18521.9 Unid: 1230 UNID 54.127bd/500 hz prob CIS synchronous data stream system testing pattern (ANE)
18529.3 MFA Algiers 1400 COQUELET-8 26.67bd also 53.3bd circuit tests till 1530. (ANE)
18552 MFA Bucharest, Romania 1159 ROU-VEC 164/450 "CIRCULARA" in Romanian. (PT)
18672.1 CLPI: Havana 1430 RTTY 50/480 SS to Embacuba Angola. (FH)
18762 VSG(?): 1156 ROU-VEC 164/416 Tfc in Romanian either to or from VSG.(PT)
18801.5 UNID Indon.-DIPLO 1035 RTTY 50/360 5 LGS from DEPLU Jakarta to Bonn, Budapest and later to all Indonesian embassies. ID as 'DEPLU KECUALI'. (ANE)
19031.7 MFA Islamabad 1230 ARQ wkg/all European, middle eastern and African missions w/lengthy telexes from prime minister's office detailing ministers designated to OIC countries. (ANE)
19101.7 RFLI?: French Forces, Port de France, Martinique? 1346 ARQ-M2 200/425 idling, this was RFLI in ARQ-E3 192/425. (RB)
19141.5 Algerian Diplo,?? 1115 COQUELET-8 26.7bd crypto (MC)
19181.7 MFA Lisbon 1530 ARQ w/kg/embassy Kinshasa w/telexes til 1730 (ANE)
19216.7 RFLI: 1300 ARQ-E3 96/370 idle presumed.(RT2)
19226.4 MFA Bonn 1330 RS-ARQ 228.7 tfc w/embassy Pretoria til 1430 (ANE)
19230.5 MFA Moscow 1345 CROWD36 50.125 til 1430, speed variant system. MFA Moscow 1200 CROWD36 40.1 tfc til 1245 (ANE) British Mil,?? 1117 Piccolo-12 crypto (MC)
19354 DoSC Moskva, RUS 0814 RTTY 75/500 5 LGS to 'RPO' on link <80038>. (ANEU)
19400 MFA Algiers 1030 COQUELET-8 13.33 test tape loop, til 1100 (ANE)
19412 Unid 1030 RTTY 75 qtc (ANE)
19532.6 Unid: 1615 FEC-A 96/100. 5L groups the last message was 19 pages long! Signal was around S5/6 in Toronto. Went off air at 1643 without ID (ES)
19567.7 MFA CAIRO 1329 ARQ Tfc in ATU80 Arabic to Algerian embassy. Constant space between bursts (DW)
19642 N2G: 1509 FEC-A 192/360 Unid location Several 5 LG were passed plus some operator chat in French. Can anyone identify N2G, please? (ES)
19680 3MA24: CNA Taipei, TWN 0900 CW + FAX // 15878 / 13766 QRA DE 3MA36/........... (ANEU)
19747.5 6VU79: Dakar, SENEGAL 1610 RTTY 50/400 wx on LSB of 19750 kHz. (JD2)
19751.8 6VU79: Dakar, SENEGAL 1610 FX 120/576 on USB of 19750 kHz, FAX signal was unstable (JD2)
19807.9 L3A30: Norwegian MFA, Oslo 1726 TWINPLEX-1w 100bd/400 MSGs in NN to Embassy Addis Ababa (MC)
19853 V5G: MFA BUCHAREST 1109 ROU-VEC 164/400 Tfc in Romanian (press summary) Bit inversion mask 24.Signed off with "hr qru nw qrx tmw". (DW)
19860 RN FASLANE (MGJ) 1133 RTTY 75/N/850 CARB (DW)
19894.6 VZG?: MFA SPAIN 1030 ROU-VEC 164/416 Very weak, 5 LGS included. Signal was unstable. (MC)
19921.7 MFA Algiers 1400 COQUELET-8 26.67bd crypto (MC)
19940.8 MFA Algiers 1400 RTTY 75/360 5 LGS. (ANEU)
19954.2 MFA Algiers 1517 ROU-VEC 164/416 press summary. Signal was weak. (MC)
20009.5 MFA Algiers 1115 COQUELET-8 26.67bd crypto (MC)
20022.6 MFA Algiers 1115 ROU-VEC 164/416 Tfc in Romanian (press summary) Signal was weak. (MC)
20162.5 MFA Algiers 1400 COQUELET-8 26.67bd crypto (MC)
20185.7 MFA Algiers 1115 ROU-VEC 164/416 Tfc in Romanian (press summary) Signal was weak. (MC)
20209.8 MFA Algiers 1517 ROU-VEC 164/416 Tfc in Romanian (press summary) Signal was weak. (MC)
1986  MFA Rome 1400 RS-ARQ 226.8 also 230.7, tcf w/europe? til 1500 230.7 baud – idle sequence, 226.8 baud chatter mode (ANEE)

20036.7 MFA Cairo 1400 ARQ tcf w/embassy Dakar, til 1500, financial data. (ANEE)

20404.9 Unid: Polish 1500 FEC poss link to austria quotes currency exchange rates, til 1530 (ANEE)

20975.8 MFA Havana 1445 RTTY 75 tcf w/embassies Phnomh Penh and Hanoi till 1530 5f tcf (ANEE)

20981.8 MFA Rome 1530 ARQ tcf w/African embassy? op chatter only till 1545. (ANEE)

20036.7 MFA Cairo 1400 ARQ tcf w/embassy Dakar, til 1500, financial data. (ANEE)

20404.9 Unid: Polish 1500 FEC poss link to austria quotes currency exchange rates, til 1530 (ANEE)

20975.8 MFA Havana 1445 RTTY 75 tcf w/embassies Phnomh Penh and Hanoi till 1530 5f tcf (ANEE)

20981.8 MFA Rome 1530 ARQ tcf w/African embassy? op chatter only till 1545. (ANEE)

22537  FUF: Ft de France 1820 RTTY 75/850 strong RY's. (FH)

22664  FUM: Papeete 1825 RTTY 75/850 strong RY's. (FH)

22678.6 FFP91?: Ft de France 1827 RTTY 100/850 strong RY's. (FH)

=MARITIME=

1627.5 PBXG: GV Rotterdam 1502 USB clg Dutch CG center (BvR)

1758  LZG: Farsund Radio 0434 USB w/gale warning. (BvR)

2182  Ferry Ankara 1744 USB clg Turks (Istanbul) radio. EJM: Malinhead radio 0433 USB ann nav wrng. LZG: Farsund Radio 0433 USB ann 1758 (see 1758khz – LOGS) DAN: Nordeich radio 0500 USB ann nav wrng. OFH: Mariehamm radio 0503 USB radio ann. WQVY: MV Fidelio 17.10 USB clg Brest radio, no USB reply then comm with Lands End radio abt eta. Pilot could not contact pilot on vhf 16. La Coruna radio 1733 ann tcf 1st on 1698. MV Grampiam Eagle 1805 USB clg Stonehaven radio. GND: Stonehaven radio 1824 USB w/GIAJ qsy chnl I (BvR)

2204  ORJH: Belgian Navy vessel Godetia 1647 USB clg Noordwijk radio for radio check (BvR)

2357.5 OUA: DM Stevns 1815 CW mgs(BvR)

2670  Miss Verde May 0014 USB wkg US Coast Guard Group Cape May re flare sighting. (PS3)

4071  GBPP: Union St Argus 0412 USB concluding R/T tcf to UK from WOM. (RB)

4092  LAMU4: M/S Monarch of the Seas 0220 USB w/conclusion of R/T tcf w/WOO using the shortened "Monarch" for R/T tcf. (RB)

4119  N/A: Launch 356 0422 USB (or sounded like) concluding R/T tcf w/WLO Mobile Radio (on 4411). (RB)

4146  ZLM: Taupo radio NZ 0700 USB long weather bx for ships in area (AW)

4244  PPR: RIO DE JANEIRO RADIO 2146 CW CQ/ID marker. (HOOD)

4253  TAH: Istanbul radio 1738 CW qck (BvR)

4253.5 HZG: Dammam radio 1723 CW qck de qsl (BvR)

4265  USU: Mariupol radio 1715 CW mgs (BvR)

4271  OFJ: Helsinki radio 1829 CW wx (BvR)

4275  HPP: Panama radio 0557 CW vvv de hpp (BvR)

4295  SXM: GN Piraeus 1733 CW vvv de (BvR)

4331  4XZ: IN Haifa 1726 CW vvv (BvR)

4387  WOO: 0200 USB re tcf list & announcement ship "direct dial" availability (station/channel): WOM:423/805/1230/1609, WOO: 422/826/1228/1631, KMI:470/814/1229/1616 (Kw2). (Refer to Nautical News column this issue for article on Autolink RT – LOGS)

4426  HPP: Panama Intelsat Radio, PAN 0625 USB wkg M/V Cape Kennedy, P3ML3, ID's in phonetics "Hotel Papa Papa". (RB)

4462  CGDG: CSS Hudson 0238 USB Canadian Scientific/Survey ship, wkg CGTF, CGGS Terry Fox, both vsls in Labrador Sea. (RB) CGDM: Chebucto 0145 USB Canadian fishing patrol vsl, wkg CGTF, CGGS Terry Fox. (RB)

4466  Unid: 0225 USB fisherman net, they said that they were in the bay. They are also out of band!!! (AM3)

5555  Queensland fishing boat 1136 USB (SB)

5688  Unid: 0430 USB African-accent OM/EE with shipping information (BDS)

6322.5 VRX: HONGKONG RADIO 2320 CW Marker "VRX" and tuning burst (DW)

6357  SAA: KARLSKRONA RADIO 0713 CW CQ/freqs and tcf list (for ULJG: TK VOLGENEFT 245 and ULHT: TK VOLGENEFT 238 (both sea/river tankers). (HOOD)

6383  6VAA: DAKAR RADIO 2207 CW wx in French in slow shaky wx followed by MAJOR (DW)

6400  UON: Baku radio 1827 CW mgs to 4jdr (BvR)

6504  HPP: Panama Intelsat Radio, PAN 0629 USB clg M/V Cape Kennedy, P3ML3, ID's in phonetics "Hotel Papa Papa". (RB)

7184  KFS: San Francisco 1820 CW 27 wpm wheel tape Q5X 4/6/8/12/16/22 MH2.(RT2)

Pagina 1007
7335  FDC 0316 CW w/CW Marker(AM2)
8225  TCGG: MV Gunayh-A 0535 USB calling Istanbul Radio. (DW2)
8240  Unid RN Warship 2355 USB running a pp for one of the crew members, The radio OP was female. Vessel's name was one syllable. Did anyone else catch who this was? (JP)
8241  ULFI: UNID SHIP 1832 CW Calls twice "RUF9 de ULFI" (DW)
8279  ENCU: TKH VOLGO-DON 5043 0803 USB wkg OHG for pp to Nizhniy Novgorod. UYQQ: TKH VOLZHISKY 37 0754 USB Russian sea/river cargo vsl clg OHG for QRY for pp. (HOOD)
8285  3FOA5: M/S Inspiration 0307 USB cruiseship concluding R/T tfc w/WOM. (RB)
8294  WBN3011: Tug pilot 2057 USB clg WGW, San Juan, negative contact. (MF2)
8354.5 UWQZ: TKH TOYVO ANTIKAYNEN 1740 CW admin from Km Chernatyy to UUI. (HOOD)
8369.5 4LAN: Unknown vessel 0733 CW clg several times to UHK Batumi Radio. First call heard in this series for Republic of Georgia. (HOOD)
8372  43GB: TK KHEZER 0711 CW msg to TAH. Vsl is ex HAZAR. (HOOD)
8400  Ships, e.g. V3SO6 1600 CW clg/wkg UWH. (JD2)
8440  VCS: Halifax CG, CAN 0700 CW "transmissions from this station cease 30th Sept". (JD2)
8442.3 TCR: Istanbul, TUR 1800 CW marker. (JD2)
8445.5 WLO: Mobile, AL 0730 CW marker. (JD2)
8448  A9M: Bahrain, Bahrain 1700 CW marker. (JD2)
8450  RUF9: Krasnodar, RUS? 1615 CW marker. (JD2)
8454  A9M: Bahrain, Bahrain 1700 CW different transmission than 8448 (on air at same time). (JD2)
8457  OFJ: Helsinki, Finland 1715 CW marker. (JD2) OFJ82: Helsinki Radio 2203 CW Marker "cq de OFJ qsx 12 mhz k" with band change each pass (DW)
8458  XSO: Guangzhou, CHN 1600 CW marker. (JD2)
8459  YQI4: Constanta, ROU 1715 CW marker. (JD2)
8460.2 PPJ: JUNCAO RADIO 2214 CW Marker "vvv de PPJ qsx 4 6 8 12 16 mhz k" (JD2) PPJ: Juncao Radio, BRAZIL 2300 CW marker. (JD2)
8466  UW: Kaliningrad, RUS 1800 CW marker. (JD2)
8469  D4A: Sao Vincente, Cape Verde 1830 CW marker. (JD2) D4A: SAO VINCENTE DE C.VERDE (D4A) 2138 CW Marker "cq de D4A tfc 1st qsw 8 mhz qru? k" (DW)
8471.6 SUP: Port Said, EGYPT 1400 CW marker. (JD2)
8472  WLO: MOBILE RADIO 2237 CW Marker "vvv de WLO obs? amvers? qsx 4 6 8 12 mhz" - spurious frequency or new allocation - working ships - noted transmission on two different receivers (DW) WLO: Mobile, AL, USA 0700 CW marker. (JD2)
8473.5 A7D: Doha, QATAR 1645 CW marker.(JD2) A7D: DOHA RADIO 2259 CW Marker "de A7D" (DW)
8473 4874  HLG: Seoul, S. Korea 0730 CW marker. (JD2)
8474  JYO: Aqaba, JORDAN 0730 CW marker. (JD2)
8476  9VGS6: Singapore 1630 CW marker. (JD2)
8480  HZY: Ras Tannurah, Saudi Arabia 1630 CW wx in EE. (JD2)
8482  SPH41: GDYNIA RADIO 2305 CW Marker "de SPH41/61 qsx 8/12 mhz ch 3 6 and 4384 khz" (DW) SPH: Gdynia, POL 1400 CW "SPH41/61". (JD2)
8483.5 DAN: Norddeich, GER 1400 CW marker, this station has now ceased all HF activity. (JD2)
8484  HLF: Seoul R. 0837 CW with CQ mkr. (DW) HLF: Seoul, S. Korea 1600 CW marker. (JD2)
8484.5 HZG: Damman Saudia Arabia 1455 CW marker (MS4) HZG: DAMMAN RADIO 2307 CW Marker "de HZG qsx ch 3/4/9" (DW) HZG: Damman, Saudi Arabia 1645 CW wx in EE. (JD2)
8487  VID: Darwin, AUS 0730 CW marker. (JD2)
8488  ZRX: South Africa 1320 CW marker (MS4) ZRX: unid S. Africa 1630 CW "cq DE ZRX QSX 2/3/4/5" (does this mean ch.2,3, etc?) (JD2) (usually refers to known mHz frequencies - here: 4/6/8/12 mhz. Additionally, 6/7 are 16/22 mhz. - LOGS)
8490  AQP6: Karachi Naval, PAK 1645 CW marker, freq vary variable. (JD2)
8492  PPR: Rio de Janeiro, BRAZIL 2345 CW marker. (JD2)
8493  TBA: Ankara Naval, TUR 1800 CW "T13A TBA 2/3/4". (JD2)
CLA: Havana, CUBA 2200 CW marker. (JD2)

PPL: Belem, BRAZIL 2215 CW marker. XSG: Shanghai, CHN 1400 CW mkr. (JD2)

UWH: unid, CIS 1600 CW marker. (JD2)

Umtd: 1700 msg to Russian ships from "SPB", St Petersburg?. (JD2)

(this is UCW/RJFY: St Petersburg Radio (N.W. Shipping Co) Russia -LOGS)

X5X: Chi-lung, TAIWAN 1500 CW marker. (JD2)

UBB4: unid, CIS 1715 CW marker. (JD2)

FFS4: St Lys, F 1300 CW marker. (JD2)

XSW2: Taichung, CHN 1415 CW marker. (JD2)

WLO: Mobile, AI, USA 0700 CW mkr. XSQ: Guangzhou, CHN 1715 CW marker. (JD2)

SAT: Tripoli, LIBYA 1300 CW marker. (JD2)

UII: Odessa, UKR 1600 CW marker. PPO: Olinda, BRAZIL 2300 CW mkr. (JD2)

VBP: Perth, AUS 1645 CW marker. (JD2)

4XML: unid 1500 CW "BFR7 DE 4XML", callsigns do not chg from day to day. (JD2)

CBV: Playa Ancha, CHILE 2000 CW marker. 9WW3: Kuching, Sarawak, Malaysia 1700 CW marker. (JD2)

NL4: St Lys, F 1200 CW marker. (JD2)

WNU33: Slidell, La, USA 2300 CW marker. (JD2)

9VG25: Singapore 1800 CW marker. UJE: Moscow, RUS 1700 CW marker. (JD2)

LZW: Varna, BUL 1200 CW marker. (JD2)

WLO: MOBILE RADIO 2245 CW. Marker "de WLO obs? amver? qso 4 6 8 12 16 22 mhz". Working C6TV. (DW) WLO: Mobile, AI, USA 2300 CW mkr. (JD2)

VRX35: Hong Kong 1700 CW marker. (JD2)

EG8: Rogaland, NOR 1200 CW "LGB TLX" probably spurious. (JD2) USU: Mariupol, UKR 1730 CW calls 4KF: "QSS 3237.5 6355 8540 12697 17141.6". (JD2)

LYL: Klapeda, Lithuania 1500 CW marker. (JD2)

PKX: Jakarta, Indonesia 1700 CW marker. (JD2)

F1T4: St Lys, F 2045 CW wx & nav warnings. (JD2)

UIW: Kaliningrad, RUS 0800 CW marker. (JD2)

KFS: Palo Alto, CA, USA 0630 CW marker. (JD2)

SPE41: Szczecin, POL 1200 CW "SPE 41/81". (JD2)

GKB: Portishead R. 0826 CW with ch mkr. (DW2) GKB: Portishead, UK 1200 CW marker. (JD2)

TAH: Istanbul, TUR 1800 CW marker. (JD2)

D3E51: LUANDA RADIO 2208 CW Marker starts " cq de D3E52 " but rest corrupt (DW). D3E51: Luanda, ANGOLA 1800 CW marker. (JD2)

UB03: PETROZAVODSK RADIO 1244 CW tmc to UDK: VOLGO-BALT 216 (ex EVVC). Same at 0619 CW wkg UIVJ: TKH LADVA (ex VOLGO-DON 5101). (Hood) WNU43: Slidell, La, USA 2300 CW marker. (JD2)

JNA: Tokyo Japan 1510 CW marker (MS4) UFN: Novorossiiysk, RUS 1900 CW marker. (JD2) JNA: Tokyo, JAPAN 1830 CW marker. (JD2) JNA: JN Tokyo 1735 CW de jna (Bvr)

CLA Habana R. 0013 CW sending rx/tx freqs. (DW3)

CLA: Havana, CUBA 2300 CW marker. (JD2)

LGB: Rogaland, NOR 1200 CW marker. (JD2)

HLO: Seoul, S. Korea 1730 CW marker. (JD2)

SUH: Alexandria, EGYPT 1630 CW marker. (JD2)

RKL: Arkhangel, RUS 1330 CW "4LY DE RKL Q5X 8367.5 12551.5 K". (JD2)

XSR: Ningbo, CHN 0850 CW marker. (JD2)

VXR36: Hong Kong 1800 CW marker. (JD2)

CLA: Havana, CUBA 2300 CW marker. (JD2)

WCC: Chatham, Ma, USA 2245 CW marker. (JD2) WCC: Chatham rado 1842 CW de wcc qso (Bvr)

HPP: Panama Intelmar 2300 CW marker. (JD2)

XVS: Ho Chi Minh-Ville, VNM 1700 CW marker. (JD2)

UII: Odessa, UKR 2300 CW marker. (JD2)

OXZ: Lyngby, DEN 1200 CW marker. (JD2)

XSV: Tianjin China 1515 CW marker (MS4) XSV: Tianjin, CHN 1630 CW marker, frequency variable. (JD2) XSV: Tianjin radio 1719 CW cq. (Bvr)
WUN-vO2

8602  CWA: Cerrito/Punta Carretas, URU 2300 CW marker. (JD2)

8604.4  DJ2J: Bulacan, PHL 1630 CW marker. (JD2)

8607  USU: Mariupol, UKR 2000 CW marker. (JD2) VIM: Melbourne R. 0748 CW with VVV/QC mkr. (DW2) VIM: Melbourne, AUS 0800 CW marker. (JD2)

8609.5  9VG73: Singapore 1630 CW mkr. (JD2) 9VG73: Singapore 1420 CW mkr (MS4)

8610  UCE: Arkhangel, RUS 1630 CW marker. (JD2)

8611.5  TAH: Istanbul, TUR 2300 CW marker. (JD2) TAH: Istanbul radio 1840 CW cq (BvR)

8614  URL: Sevastopol, UKR 1900 CW marker. (JD2)

8616.5  URK9: unid, CIS 1400 CW "QSS 8616.5/12835/17177"; tfc list 1403 on all 3 freqs. (JD2)

8619  TAH 0400 CW w/CW Traffic List (AM2) VRX: Hong Kong 1800 CW marker. (JD2)

8620  USU: Mariupol, UKR 1330 CW marker. (JD2)

8622  PCH41: Scheveningen, Netherlands 1200 CW marker. (JD2)

8623  5BA: Nicosia radio 1752 CW cq (BvR) 5BA: Cyprus (Nicosia), CYP 0800 CW marker. (JD2)

8624  XSQ: Guangzhou, CHN 1500 CW marker. (JD2)

8626  WCC: Chatham, Ma, USA 1630 CW marker. (JD2)

8628  3SW: Kaohsiung, TAIWAN 1632 CW marker. (JD2)

8630  PPR: Rio de Janeiro, BRAZIL 2300 CW marker. (JD2)

8632  UTQ7: Kiev, UKR 1730 CW marker. (JD2)

8634  HLW: Seoul, S. Korea 1700 CW marker. (JD2)

8636  DAM: Norddeich, GER 1200 CW marker, this station has now ceased all HF activity. (JD2)

8638.5  UUI: Odessa, UKR 1400 CW marker. (JD2)

8641.5  UUI: Odessa, UKR 1200 CW marker. (JD2)

8646.1  LPD: General Pacheco Radio, ARG 2300 CW marker. (JD2)

8651  HZG: Damman, Saudi Arabia 1730 CW marker. (JD2)

8652  XSQ: Guangzhou, CHN 1730 CW marker. (JD2)

8661  KAEM: Casablanca, Morocco 1630 CW marker. (JD2)

8664  XSQ: Shanghai, CHN 1715 CW marker. (JD2)

8670  IAR: Rome, Italy 1200 CW marker. (JD2)

8680  WSC: Tuckerton, NJ, USA 1700 CW marker. (JD2)

8682  EAD3: Madrid, SPAIN 1200 CW mkr. (JD2) J2A8: Djibouti, DJB 1630 CW mkr. (JD2) J2A8: Djibouti 1525 CW marker (MS4)

8685  IRM: Rome, Italy 1200 CW marker. (JD2)

8686  CNP: Casablanca, Morocco 1630 CW marker. (JD2)

8686.1  HSA2: Bangkok, Thailand 1630 CW marker. (JD2)

8687  SVA: Athens radio 1800 CW tfc lst (BvR)

8687.6  UGC: St Petersburg, RUS 1630 CW "QSW 3540 6425 8687.5 12693". (JD2)

8688.5  ZSC: Cape Town, S. Africa 1900 CW marker. (JD2)

8691  XST: Qingdao, CHN 1630 CW marker. (JD2)

8692.6  SVd4: Athens, GRC 1630 CW marker. (JD2)

8698  7TF6: Boufarik R. 0723 CW with CQ mkr. (DW2) 9MG2: Penang, Malaysia 1630 CW marker. 7TF6: Boufarik, Algeria 1400 CW marker. (JD2)

8700  9AR: Rijeka, Crotia 1400 CW "9AR 3/5/7". (JD2)

8701  LYK: Klaipeda, LITH 1730 CW marker. (JD2)

8704  SVB: Athens, GRC 1730 CW "SVB3/4/5/6". (JD2)

8705.4  PKC: Palembang, Indonesia 1330 CW marker. (JD2)

8706  JOS: Nagasaki, JAPAN 1630 CW marker. (JD2) JOS: Nagasaki R. 0722 CW with CQ mkr. (DW2)

8706.4  UDV4: Unk CIS 0830 CW marker. (JD2)

8710  9AR: Rijeka radio CROAT. 0729 USB p/p t unid vsl in Russian (AW)

8713  IRM radio IT 0732 USB p/p to unid vsl in Italian (AW)

8728  9VG63: Singapore Radio 1200 USB Female op-Tfc list -Navigation Wn in EE-repeated at 12.30 (MS4) EHY: Madrid radio 0550 USB p/p to unid vsl in Spanish (AW)

8743  SVN4 Athens radio 0605 USB p/p to unid vsl in Greek (AW)

8761  UDN: Norvrossiya Radio, RUS 0610 USB p/p to unid vsl in Russian (AW)

8782  UJQ: Kiev radio UKR 0645 USB p/p to unid vsl in Russian (AW)

8803  OHG: HELSINKI Radio 0735 USB WkG SWIA: MV ARETE for pp. This ch usually very busy at this time with Russian sea/river vsls. (HOOD)

12251  CM76M5: M/S Crystal Symphony 2111 USB Crystal Cruises 1800 pax cruise ship, concluding R/T tfc w/WOM. (RB)

12317  Unid: 1150 USB duplex ch 1230 qso wx mentions New England Boat Works. (RT2)

12353  Unid Malaysian vsl 0805 USB p/p to shore in Tamil (AW)
12487 WZJB: SS Humacao 1715 USB 1968 U.S.-flagged vs, w/msg login. (RB)
12511.5 UAHH: KAPITAN BUBNOV (AA-1837) 0715 CW clg RKLM: Arkhangelsk radio
(answering on 1230.0). (HOOD)
12560.5 4J2E: TKH SHIRVAN 0748 CW admin from Km Novruzov to UON. (Vs1 is ex
KOSTA KHETAGUROV). (HOOD)
12693 UGC: St Petersburg radio 1506 CW de qsx (BvR)
12769 ZSC: Cape Town radio 1729 CW qcx (BvR)
12735 URL: Sevastopol radio 1458 CW qcx de ans (BvR)
12799.5 PCH: Schevangan radio 1805 CW de pch 51 (BvR)
12830 RKLM: ARKHANGELSK FISHERIES RADIO 0806 CW msgs to Radio Officers on
ABh0026 (UAUH: GENERAL KHLEBNIKOV) and AB-0034 (UVHR: SOVETSKAYA
KONSTITSIYI). (HOOD)
12876 VAI: Vancouver 1525 CW qcx qcx qcx qcx de VAI VAI qcx 4/6/8/12/16 .(RT2)
12879.5 WSC: Tuckertown,N.J 1540 CW .qcx de WSC qcx 6/8/12/16/22 mhz (RT2)
12969 XSV: Tanjin radio 1437 CW with unid mv "up 443" (BvR)
13020.4 VRX60: HONGKONG RADIO 1116 CW working ship then marker "qcx de VRX60
qcx channels 3/4/5/6" (DW)
13044 VRX61: HONGKONG RADIO 1056 CW Marker "qcx de VRX61 qcx channels
3/4/5/6" (DW)
13057 LSA: BOCA RADIO 1958 CW Tfc in Spanish difficult to read but
signature ELMA at one stage (DW)
16504 Manila radio PHL 0540 USB p/p to unid vsl unid language (AW)
16916.5 WSC: Tuckerton radio 1531 CW Marker at 1200z"vvv 4KF de USU qss 8540/
12697/17141,6/22527 then tfc list (DW)
17141.6 USU: MARIUPOL RADIO 1200 CW Marker at 1200z"vvv 4KF de USU qss 8540/
12697/17141,6/22527 then tfc list (DW)
17147 URL: Sevastopol radio 1522 CW qcx de ans (BvR)
17164.8 ZSC: Cape Town radio 1732 CW qcx qcx (BvR)
17184.8 KFS: San Francisco radio 1520 CW qcx de kfs (BvR)
17194.4 PPR: Rio de Janeiro radio 1550 CW vvv de qcx (BvR)
17233 UNID: 1548 CW ch 1 3 4 mhz (BvR)
17238.7 PKX: Jakarta, Indonesia 1400 CW "QD DE PKX QRU? K". (JD2)

=MILITARY=

2670 NMA21: USCG Group Saint Petersburg 0322 USB with weather and notice
to mariners broadcast. (DW2)
3061.5 FDG: French Air Force, Bordeaux 1954 CW, "vvv vvv vvv de fdg fdg fdg
ar" marker (MC)
3095 4AK: 1831 USB clg Buchan nothing heard (JM3). RAF Buchan: 1756 USB
"STI, this is Buchan closing down the net at 18:30 Pos 260, 14120/
Pos 300 180z. SIDECAR 0800 USB wkg numerous other stations all using
trigraph callsigns (JW)
3269 NNN0VIV: U.S. Navy MARS 0130 USB as NCS, closing the 4W2B net. (RB)
3295 NIGHTWATCH: 0701 USB clg ANKLEBONE on "Z-120", re 'traffic' was
received. (RB) LOSTSHOE 0011 USB clg NIGHTWATCH 01. (JH) WAR46 0631
USC: NIGHTWATCH 01. At 0633z, a very weak station (maybe
NIGHTWATCH 01) w/26h character EAM string, taken from the 26-character
string of the 20/20/26 character EAM set heard on the GHFS at
0619/0629z. (JH)
3915 Buchan: 1410 USB wkg 2HR & M2H on air track update freq.NATO Ex
traffic. Using different freq (RAF des. G) Also debate on who has
telecommunication of the Tanker and associated Chicks slightly confused tanker
defaults to Buchan.(PR)
3940.5 FDII22: French Air Force, Narbonne 2001 CW, "vvv vvv vvv de fdi22 ar"
marker (MC)
4452 AIR FORCE 2 0703 USB wkg ANDY RADIO (Andrews AFB) for radio check.
Placed a phone patch to (202)395h3007 to WATCHCARD (DW2)
4477 HOBART: 0813 USB clg Buchan "Air raid warning yellow" - exercise
traffic. Buchan 0816 USB wkg KN6,3KN,H6Y - exercise traffic. (JM3)
4478.5 Buchan 1410 USB wkg O2D says to expect a Badger attack in 30-35
mins.(PR)
4484 Buchan: 1450 wkg R3I (British) on the air tracking/update side w/7UJ
(poss. Spanish) and O2D appearing earlier on.R3I keeps on splashing
'fakers with his 'birds' - Sea Harriers (PR)
4495 SORORITY 0405 USB wkg NIGHTWATCH 01. At 0412z, APPLEPIE called &
raised NIGHTWATCH 01 & entered the net through the challenge process.
At 0548z, NIGHTWATCH 01 (female opr) with an EAM. At 0625z, APPLEPIE
called NIGHTWATCH 01; at 0636z, NIGHTWATCH 01 called APPLEPIE. At
Pagina 1011
0656z, WAR46 worked NIGHTWATCH 01 for a signal check. At 0728z, APPLEPIE called NIGHTWATCH 01. At 1341z, APPLEPIE exits the net in-the-blind, as seems to be the normal practice, if they can't raise the other party, the challenge characters are two, not three. (JH)

4540
2VLU: 1604 USB wkg ARCHITECT. Action immediate 071600z Nov 96 From ASC HAMPDEN to ARCC KINLOSS 2VLU currently at 54deg 30.7min N 000deg 30.9min W (North Sea) Course 320 deg true. Speed 20 knots (PR)

4550.8
TBUS5: Turkish Navy, Ankara 2127 CW, "vvv vvv tbdj tbdj de tbu5 tbu5 tbu5 zak/zak/zak qrv zug" (MC)

4550.8
TBUS5: unk naval, Turkey 1905 CW "VVV TBJD de TBUS5 QAP QAP K". (JD2)

4560
CFH: Halifax Military, NS, CAN 0300 USB w/ann "no traffic" (for Maritime Command ships). (RB)

4715
RAF Volmet 0300 USB w/Aero WX (AM2)

4724
PAT 067: Army Priority Air Transport a/c 1623 USB wkg Andrews w/pp PAT OP's, has 5 pax, ETA 1820z. NIEY: USS Bold (T-AGOS-12) 0603 USB Stalwart-class ocean surveillance vessel wkg Andrews GHFS w/pp "NOPF Dam Neck" (Naval Ocean Processing Facility, Dam Neck, Va) for "monthly HF global test". (RB) OTIS 625: 0406 USB calling Andrews. No joy. Then switched to an any station" call for a HF radio check. No joy. (DW2) "0042" (probably REACH 0042) 0451 USB wkg MCCLELLAN w/pp's. OFFUTT 0549 USB w/FOXTROT broadcast prefaced with ENLIST (UGH 49 BB). BMC 2013 USB called "any station this net". At 0338z, OFFUTT, as lead GHFS station, with 20-character EAM "FOR TACAMO PAC PRIMARY" (JNAGL2...). At 0526z, OFFUTT w/FOXTROT broadcast prefaced w/FAIRLY (EZ2 25 BF). At 0554z, USNS BOLD called "ANDREWS AIR FORCE BASE" for a pp to a commercial area code 804 number, sounding like it was id'd as NOPF (sounds like) at Dam Neck, VA. A very quick hi 'n bye "test" call. (JH)

4742
KITTYHAWK 1: 1322 USB wkg Architect dep. Heathrow for Newcastle Selcal EM-BQ - RAF BAE146 ZE702. (PR) ASCOT 5152: 0815 USB wkg ARCHITECT SELCAL AK DF, will call when airborne. (SM)

4745
NIGHTWATCH 01 0312 USB wkg WAR46. (JH)

4751.1
TBUS5: unk naval, Turkey 1745 CW "TBJD de TBUS5 ZAK QRV ZUG". (JD2) (reported as Ankara & Trabzon - LOGS)

4785
H3G, P3M, Y5B, G1H 1415 USB with some link11 cohord data. Plus general chat. Mention of H3G on-deck + pos.rep showed rapid change in previous message indicates helo. (PR)

5035.5
R3I: 1450 USB Appears to be Link-11/ship co-ord - other calls 7BT 6VJ 8SH 7UJ. (PR)

5064
9MB: MN Georgetown 2237 CW Marker tape (corrupt) but id ok as 9MB. (Dw)

5154
Unid: 0015 CW rptng "c" in CW. Unid: 0135 CW rptng "c" (AM3) (SLHFHM - Russian Navy, Moscow - LOGS)

5163.5
FDI: FAF Aix 0858 CW vvv de fdi (BVR)

5198.5
CGAA: HMCS Anticosti (MSA-110) 1750 USB wkg Halifax Military w/tfc request. (RB)

5425
BRAVO WHISKEY: 0325 USB wkg LIMA re if he copied tfc from BR that events for tonight were cancelled. At 0326, WHISKEY wkg BW re will ck w/Mother' & adv. Tfc here for several days from JTFEX w/Theodore Roosevelt Battle Group in VaCapes area prior to deployment. (RB)

5446.6
FDC: FAF Metz 1513 vvv de fdc (BVR)

5610
WATCHDOG 94 1155 USB wkg Portishead with Ops Normal at 49 45N 006 50W, selcal LM-GJ, next call at 13.00. WATCHDOG 92 1145 USB wkg Portishead with Ops Normal at 50 12N 005 27W, selcal CL-GH, next call at 13.00 at 49N 10W. WATCHDOG 93 1028 USB wkg Portishead with Ops Normal at posn 52 27N 002 23E, selcal LM-GK a/c is Dornier 228 next call in 1 hr (GT)

5616
CANFORCE 1597: 1457 USB+ Shanwick SELCAL GH DJ. EVAC 0130 heavy: 1458 USB Shanwick Posn info. Who uses the EVAC c/s ? (SM)

5644
French Navy-5244 0922 USB To Brisbane radio.

5655
REACH-6P 1158 USB To Singapore radio.

5680
Kinloss Rescue: 0855 USB ECHO Radio checks. (SM) Spanish Vessel Cutinio??: 1252 USB wkg Kinloss Rescue wanting position and course relayed to its helo which is at Prestwick. Kinloss says helo will lift in 10 mins. Spanish Navy at half a guess. RESCUE 131: 1500 USB wkg Kinloss RCC heading to a 53m fishing vessel in the North Sea 131 will route around Danger Area 609 where Mission 550 a Nimrod is operating. Mission 550 takes over commy duty for 131 Expected back at
Coast Guard Group Cape May: 2214 USB wkg CG 6511 couldn't hear one another & was advised to go to FM (KW2).

CG2104 2324 USB Radiocheck with CAMSLANT (HW) 6002: USCG HH-60J 0645 USB wkg CAMSLANT. Current position is 3547N 07601W. 6010: USCG HH-60J 0645 USB wkg CAMSLANT. Current position is 2550N 08135W. Reported flight ops normal at 0700. 6039: USCG HH-60J 0700 USB wkg CAMSLANT. Enrt Roosevelt Roads. (DW2) CG RESCUE 1717 1830 USB reporting flight ops normal along w/posn report to CAMSLANT. CG RESCUE 6030 1828 USB w/posn report to CAMSLANT. ALPHA 0 YANKEE 1906 USB clg in a posn report to COMSTA New Orleans. (MF2) CAMSLANT Chesapeake: 2203 USB clg CG6035 for position check (DW3) CG2132 2356 USB Working CAMSLANT. Secondary feq. is 5693. CG2133 0053 USB Pos. report to CAMSLANT.

USCG assets wkg Drug Interdiction (RB)

5705 LOSTSHOE 0011 USB wkg NIGHTWATCH 01. NIGHTWATCH 01 0626 USB w/26hcharacter EAM. At 0628z, REINDEER called & raised NIGHTWATCH 01. At 0629z REINDEER provided a 26-character EAM to NIGHTWATCH 01, followed by NIGHTWATCH 01 transmitting the 0626 string to REINDEER. NIGHTWATCH 01 0025 USB wkg WAR46 w/pp to a common DSN number for NIGHTWATCH, for a brief connectivity check, and gone. (JH)

5716 DHM91: German AF Muenster, D 1230 USB tfc. to GAF 377 (ANEU)

5804.5 FDC: French Air Force, Metz 2051 CW, "vvv vvv vvv de fdc fdc ar" marker (MC)

5875 NIGHTWATCH 01 2144 USB wkg TALLCORN, and set this freq as net primary (because of lack of qrm on freq, but not for long.) At 2145z, NIGHTWATCH 01 moved FOGCOUNT from 9016.0 to here. Due to swbc firing up on freq shortly thereafter, they eventually moved net to 5705. (JH)

6502 TBB6: TN Ankara 0551 CW vvv tbdj (BvR)

6647 WATCHDOG 94: 1455 USB wkg GUZA and GBRF for radio checks. British Fisheries Protection - ID?? (PR) (Rick Baker says GUZA: HMS Brecon (M-29), Brecon class mine countermeasures ship; GBRF: HMS Dumbarton Castle (P-265) Castle-class patrol vessel -LOGS)

6683 VENUS 78: 1523 USB wkg Andrews w/ pp to Ft. Worth. SAM 28000: 1345 USB wkg Andrews. (SL) SAM 204: USAF C-20B tail 86-0204, Special Air Mission a/c 0257 USB wkg Andrews VIP w/pp CROWN, wants to attempt contact w/ROYAL CROWN again on SatCom. (RB) ANDREWS 1817 USB wkg SAM 200. (JH)

6712 OFFUTT 0456 USB w/a 26-character EAM (7KANH5...) followed by a 20-character EAM (7KLIJ5W...). These two strings were picked up by ANDREWS at 0630z for ANDREWS post 0600z h+30 "repeat" EAM transmission. (JH) RETAIL: 1438 USB wkg Croughton. pp Rhein-Main Metro for eta 1700z. PiRep says a/c is at FL290 and not too far from Zagreb but will not give type or lat/long data. CASEY 01: 1444 USB wkg Croughton pp SAM COMM VIP Andy answers and says to go to F395. List says try 13960. (PR)

5 FOXTROT MIKE: 2057 USB wkg Halifax Military re closing watch. Unid: 2 stations 2241 USB re informal discussion 1 station on ground at Robins AFB -- AFRES informal chit chat freq?? (KW2). PACOM 01 0614 USB wkg MCCLELLAN (who said that he was rotating what sounded like his "R O V", probably meaning his log periodic antenna). At 0617z, MCCLELLAN worked HICKAM on freq, and then had MACDILL come up on freq also. PACOM 01 ex Hawaii at 0553z, enrt to ANDREWS, and was having HICKAM, MCCLELLAN, and finally MACDILL assume his "guard" during the transit. 6715 primary/6968 secondary. TALLCORN 2141 USB wkg NIGHTWATCH 01, both heavily qrm'd by regular h+30 data xmsn heard on this freq daily. (JH)

6717 SPAR 67 1458 USB wkg Andrews. pp Ramstein CP ref tomorrow's tasks: arr LFPV (Villacoublay France) early dep local lunchtime for Ramstein. Will use same primary freq. This one ?? (F875) (PR)

6724 MISSION 550: 1450 USB wkg ???. SURPIC @ 56.02N 001.46W time 1435z. (PR)

6739 HICKAM 0744 USB w/a 47-character EAM (HOWP2D...); a "more to follow"
string, 29-characters (HOCEE6...); & at 0753z, a 45-character EAM (H0JAIO...). AT 0837z, HICKAM with a 29-character EAM (HOGSWL...).

ANDREWS, as lead GHFS station 0619 USB w/a 20(RY)/20(RY)/26(FL) character EAM set over a 10 minute period. (JH) Unid: 0246 USB USAF station w/an EAM broadcast. Tx breaking up | his mike'? (SM) REACH 827: 2123 USB wkg Lajes pp Hilda East et/a 0015Z OEHK C5 acft tail #700463 (kw2). SAM 203 0431 USB called MAINSAIL, and raised LAJES. At 1334z, OFFUTT w/53-character EAM (JNKC2X...). At 1422z, RAID 31 worked MACDILL & req "current traffic"; given JNKC2X. SORORITY 0400 USB called MAINSAIL & raised MACDILL, for NIGHTWATCH 01 wkg freqs: Z125/Z145. (JH)

6742 Y2A: 0944 USB wkg GHJ airborne 0939z onhtask 0945z. Also checked on CRATT reception on other freq. NATO Ex related ??(PR)

6750 FOXTANGO 0448 USB wkg GOLF, and then moved to the "101 net". (JH)

6757 NIGHTWATCH 01 2147 USB wkg TALLCORN. (JH)

6761 TURBO 47 0535 USB clg JAMBO 40 FLIGHT w/o response. MACDILL responded to TURBO 47's calls, but misid'd TURBO 47 as JAMBO 47. For some reason, MACDILL was guarding this freq this local night. At 0546z, TURBO 47 called JAMBO. At 0647z, LUCKYHIT called MACDILL without response, then called MAINSAIL without response. Unusual to hear callwords on this freq since 1992. At 1644z TURBO 54 called & worked TURBO 06. Comms followed by some verbal horseplay on freq from maybe other a/c (mention of "goodtimes"). At 1647z, CODER ## FLIGHT (sounds like; could not make out numeric) called CODER 66. At 1700z JAKE12 (sounds like; numeric called "one two") called something that sounded like OFFICE or maybe OFFUTT, with no response. (JH)

6830 SAM 049: USAF C-20C (tail 85-0049) 0225 USB wkg Andrews VIP re itinerary ent now to AF-1, will RTB 0415. SAM 206: USAF C-20B (tail 86-0026) 1843 USB wkg Andrews VIP w/signal ck's on 8679. SAM 29000: (92-9000) USAF VC-25A USB wkg Andy w/signal ck's. (RB)

6993 SAM 300: USAF C-20H (tail 90-0300) 1819 USB wkg Andrews VIP w/signal ck's on '117'. SAM 974: USAF C-137C (tail 85-6974) 0014 USB wkg Andrews VIP adv ETA 20 mins to departure. (RB) ANDREWS 1721 USB wkg SAM 974. (JH)

7535 NJJC: USS Clark (FFG-11) 1728 USB clg/wkg SESEF, req (AN/)URT23 tests (main HF xmitters). NBIG: USNS Big Horn (T-AO-198) 1520 USB w/RF testing. NAOW: USS Ashland (LSD-48) 1649 USB wkg SESEF w/req for URT23 tests, SESEF adv has in serv to do w/USS Kauffman, & a pre-in serv unit waiting, makes sked for 1400 (EST). BEACHSTORM: unid USN ship 1710 USB wkg SESEF w/HF testing, this callword has been logged on other freqs before & must be a static callword. N/A: PCU The Sullivans (DDG-68) 1629 USB testing several xmitters, app she is on sea trials, to soon be commissioned and become "USS" The Sullivans. NRDC: USCGC Campbell (WMEC-909) 1411 USB w/TACAN, VHF test request. NDRO: USS Arctic (AOE-8) 1413 USB w/HF tests. NJLK: USS Kauffman (PHM-58) 1622 USB w/start of "in service" testing of (AN/)URT23's. NSB: USS Ponce (LPD-15) 1615 USB finishing tests of HF xmitters. NALB: USS Albuquerue (SSN-706) Los Angeles-class attack sub 1614 USB w/Link-11 system testing. NTNR: USS Theodore Roosevelt (CVN-71) 1555 USB w/complete HF transmitter testing. (RB) NORFOLK SESEF 1809 USB conducting HF transmitter tests with USS Clark. (MF) Norfolk SESEF: 1425 USB Transmitter tests w/USSE CLARK, and USS ANZIO (CR)

7536.5 HOPPER 83: U.S. Navy (LCAC-83) 1475 USB wkg AC4, Assault Craft Unit 4, Little Creek, Va, w/rdo check on 'radio 2' (RB)

7831 TWILIGHT 1644 USB w/26-character EAM; simulcasting on 6739, 7831, & 11244. OFFUTT picked up the string at 1649z. At 1814z, NIGHTWATCH 01 worked WAR46 & moved to ZULU 220. At 1918z, GORDO 12 wkg NIGHTWATCH 01; "training" chatter. Then NIGHTWATCH 01 called TWILIGHT, & called and raised BIGTENT, to advise that he was going "monitor only." At 2032z, BIGTENT exited the net-in-the-blind. TALLCORN 2143 USB wkg NIGHTWATCH 01. NIGHTWATCH 01 1804 USB wkg WAR 46 w/pp request to a common DSN 939 18## number. Patch was never properly completed by WAR46. (JH)

7855.5 FDI8: French Air Force, Aix 2151 CW, "vvv vvv vvv de fdi8 ar" mkr(MC)

8026 NAVY 50511 1542 USB wkg ANDREWS, and then moved to 11460. (JH)

8071.5 MIKE, ROMEO, (and others): 1339 USB passing unit damage reports. (JM)

8122 VHP: Canberra Control, AUS 0655 USB wkg unid unit passing 5FG msg. (RB)

Pagina 1014
8167.9 FDG: Fench Air Force, Bordeaux 1530 CW, "vvv vvv vvv de fdg fdg fdg ar" marker (MC)
8170.5 U13: 1416 LSB passing battle status updates to C3. C3 not heard, all msgs passed 3 times. (JM)
8180.5 U23: 1428 LSB battle status reports for C3. Same format as U13 on 8170.5 kHz. (JM)
8297 AADX: USAV Buena Vista (LCU-2008) 1706 USB clg/wkg AAC2 for posn report. (RB)
8490 AQP6: Karachi Naval, PAK 1645 CW marker, freq vary variable. (JD2)
8493 VTP6: Vishakhapatnam Naval, INDIA 1800 CW marker, alt freq. (JD2)
8505 VTP6: Vishakhapatnam Naval, INDIA 1800 CW broadcast VN; freq extremely unstable. (JD2)
8528.5 EBA: Madrid Naval, SPAIN 1615 CW marker. (JD2)
8551.5 CTP: Oieras Naval, Portugal 1300 CW marker. (JD2)
8555 TBA: Ankara Naval, TUR 0800 CW "TBDJ DE TBB5/7". (JD2)
8572 TBA: Ankara Naval, TUR 0800 CW "TBDJ TBA 5/7". (JD2)
8589.5 VTK: Tuticorin Naval, India 1500 CW "VVV DE VTK 2/3/4"; broadcast BN/BNR. (JD2)
8602 ZLO: RNZN Auckland 0751 CW with ch mkr. (DW2)
8634 VTP6: Bombay Naval, INDIA 2300 CW marker. (JD2)
8676 VTP6: Vishakhapatnam Naval, INDIA 1800 CW marker, alt freq. (JD2)
8646 VTP6: Vishakhapatnam Naval, INDIA 1800 CW broadcast VN; freq extremely unstable. (JD2)
8648 VTP6: Vishakhapatnam Naval, INDIA 1800 CW alternative freq. (JD2)
8968 AGAR 94: USB w/Thule with pp. to NORDIC CONTROL. Reg 60 onload. (CM)
ARIA ONE 2039 USB called HICKAM AIRWAYS. Canforce 109: 1349 USB wkg Thule. pp Greenwood Ops DSN 568-5457 eta was 2010z. (PR)
INTERLUDE 1855 USB ("clattering" noise in the background of his audio, similar to sound heard on ANGRYMAN a couple of days earlier) w/a 26-character EAM (FLY547..) simulcast on 8968 & 15016 at 1855z and 1955z, w/the string first heard on the GHFS at 1756z. At 1935z ANDREWS, as lead GHFS station, with a 20-character EAM "FOR TACAMO PAC SECONDARY."
VOLITION 1400 USB wkg MCCLELLAN. SHARK 12 1536 USB wkg MCCLELLAN w/pp to LOBO. About an hour earlier SHARK 11 was up wkg ANDREWS w/pp to LOBO, w/SHARK 11 id'ing himself as ex WACO w/"certain passengers" ex point of origin," & enrt to maybe MWCR. (JH) SIERRA 88: 2209 USB wkg Andrews pp McChord ops w/ether 2300Z (KW2). LOGAN 12: 1520 USB wkg Offutt GHFS w/pp to GOLDENHAWK (433 DSN which is NAS Virginia Beach) re their assuming net control, they adv are not NCS capable. (RB) PTA 108: 2134 USB wkg Andrews pp PTA ops eta Andrews 2250Z (KW2). Andrews 1952 USB wkg RAINBOW, looking for NIGHTWATCH, Andrews replies w/Z150 (5800) & Z175 (9016). (MF2) WISE 81: 1439 USB wkg offutt w/an unheard metro office re low-level wx around the Chattanooga area (CR) FOGCOUNT 2110 USB wkg Thule w/pp to NIGHTWATCH 01. Request new wkg frequencies. Primary Z-145 (5705) Secondary Z-150 (5800). (MG)
8971 SHADOW 01 1818 USB c1g TURBOCHARGER,nothing heard. At 1831 QUEBEC 2 Uniform called SIERR 01 on 8 mgs in the red. At 1834 BLUESTAR req WOLF 1 to go secure HiFox, & at 1837 BLUESTAR asking WOLF 1 if he is painting any other aircraft. 8 X-RAY ALPHA 2131 USB c1g for radio ck from either BLUESTAR 5 UNIFORM or 5 UNIFORM GULF,5 UG answered. At 2136 5 UNIFORM GULF c1g CARDFILE 712 for radio check. At 2143 8 X-RAY ALPHA req CARDFILE 712 contact HOMEPLATE. At 2146 CARDFILE 712 c1g 8XA, CARDFILE reports they are off station enrt Jacksonville. CARDFILE reports they are spare group 04. Was //4739. OSCAR 6 SIERRA 1920 USB req FLYING TIGER 720 to pass spare group 07 via satcom. OSCAR 6 SIERRA 1959 USB adv FLYING TIGER that circuit satcom will be down for one hour. (MF2)
8974 Kiwi-524 2313 USB TO RAAF Townsville. LMEG C-130 #7005 RNZAF. AUSSI 342 2344 USB TOWNSVILLE, RAAF SYD. Trojan-004 2349 USB TO RAAF Sydney LPCK A-97-177 C-130 375sqd RAAF. ENVOY-605 2351 USB TO RAAF Sydney LPDK A-26-073 Falcon 900. Stallion-083 2316 USB TO RAAF Townsville. LPBG C-130H 97-005 365sqd RAAF.
8975 STRIKER-348 0401 USB w/SYDNEY. Aussi-761 0502 USB TO RAAF Sydney. "call Lord Howe maritime on 5680 of 126.7." (SB) (8974? h LOGS)
8989 Unid 0425 USB would have to be marine traffic from the NSW area around Nowra navy base. comm's were "FGE E180 TAC 20 G 34.43s 151.26e" that lat & long is off the coast. (SB)
8992 TROUT 99 USB wkg Macdill. QSY to 11217 for a pp. TROUT req second pp to TROUT OPS. Macdill adv he was off freq. TROUT adjusted freq and
faded out. TROUT was somewhere over Massachusetts. Macdill: 1728 USB passing Nightwatch freqs (2175, 145) to an unheard station. KING 22: 2042 wkg Macdill pp to Shaw metro. A/c was 50 miles out and needed local wx; ATIS was out. (CR) MACDILL 1944 USB wkg CASEY 01. (JH) SAM 201: 1222 USB wkg Macdill pp Andrews VIP re departure from Miami 12102.VIP advised to QSY to "784" for direct comm (KW2). NAVY JR033: C20G/C130T of VR-48 "Sky Pigs" at NAF Washington D.C. 2252 USB clg Macdill but not stating a frequency, MacDill is answering on 11175, prob C-20G as most Navy C130T's use 8xx ID. (RB) MacDill 1828 USB w/pp for FOXTROT 2 X-RAY to UNID regarding EXERCISE EXTREME HIGHLY ALPHA. (MF2) NIGHTSTAR 1820 USB wkg Macdill w/pp to Robbins Command Post. Command Post id's as "Raymond 19 or Razor 19" couldn't tell. CP also id'd as BLACKNIGHT CONTROL. NIGHTSTAR advises on station 1748z & no "SCDL" (Secure Comms Data Link-LOGS) due to GSM not having right crypto. Wants CP to relay to RAZOR 1. NIGHTSTAR is a new one to me. Is this the E8's at Robbins? (MG) (yes, E-8 JOINT STARS -LOGS)

9007   TRENTON MILITARY 1611 USB w/brief comms w/unknown station (missed id.) (JH)

9014   MEET 1 1821 USB wkg MEET 2 (or sounds like MEAT/MEET) in muffled voice comms. SHAMU 20 1928 USB wkg RAYMOND 07 w/pp to TRAVIS CP for status of his receiver: MOOSE 70. ROGUE (sounds like) 09 1927 USB wkg RAYMOND 07 w/pp to ALTUS COMMAND POST. (JH)

9016   PURGATORY 0046 USB wkg NIGHTWATCH 01, entered the net. TOADSTOOL & one other in the net. At 1953z, TRICYCLE called & raised NIGHTWATCH 01, and entered the net. RAILBIRD 1938 USB wkg NIGHTWATCH 01 and exited the net. DRAFTBEER 2301 USB called & worked BEEHONEY, w/req for some "t-quad" and ANDVT work. NIGHTWATCH 01 2010 USB wkg FOGCOUNT, then FOGCOUNT called SLIPHORN. At 2134z NIGHTWATCH 01 with 104-character EAM (IHXMQO...), first heard on the GHFS at 2128z. At 2138z, NIGHTWATCH 01 called and raised TALLCORN. (JH) McClellan GHFS: Ca, US 1603 USB wkg POPULATE coordinating data transfer. (RB) AUTOGRAPH 1815 USB with "FLXZBH" traffic to NW01 on Z175. Heard also on 11175 with different op. NW01 going monitor only for one hour. (MG) WAR46 1920 USB called Nightwatch 01 to have NW do a pp test w/them. They said we were testing a new pp system. NW01 tested and replied that the message was completely garbled & unreadable. WAR46 thanked them for the test and advised that they will be continuing to test the system. (MK)

9023   CANFORCE 115: 1247 USB wkg SIDECAR re data link coordination frq XCAE as station XAFPVH (Kw2). TALLCOURSE (sounds like) 1507 USB clg & wkg REVETMENT for brief comms. (JH) 9023 DECORATOR: 1405 USB calling LONESOME for a signal check. (JM) GRIZZLY 07 1819 USB clg EAGLE CONTROL. DRAGNET SIERRA 1654 USB wkg DRAGNET TANGO, w/chatter about CANNON (AFB). At one point, one of the operators read out a check sheet's (type "reading down the ladder") re F16's in the central Arizona area: SPIDER 1 through 4 ("Blue air") and something sounding like FLIGHT or FIGHT, w/pp for FLIGHT as 308.9, for FLIGHT (or whatever) 324.4, & "common victor" as 138.025. BANDSAW HOTEL 1604 USB wkg DEERHUNTER. Lots of talk about NORAD SATCOM, or rather lack of same, and a HOTEL FOX problem (something about a MAGNA (sic) HERTZ problem). At a request to use BRAVO 23 (a HF freq designator for data), the comment was made that it may be too close to "your" voice freq. 9023 DRAGNET TANGO 1842 USB wkg TOPROCK (wun lurker id'd as probable NORAD element in Alaska.) At 1848z, lots of chatter re TOPROCK, DEERHUNTER, and GRADY. (JH)

9031   IFN27 0937 USB Architect/dep Lyneham 0840/50 eta Paderborn 1015/25 relay K+PADAPXH (selcal AJ-BF) IFN88 0923 USB Architect/answering selcal for wx at LDS/0900 (Split) (HW) Ascot 5191: 2223 wkg Cyprus FWc for wx somewhere. (PR)

9057   NIGHTWATCH 01 1552 USB wkg WAR46. At 1609z, RAZNCOAT worked NW 01. At 1624z, ANGRYMAN worked POSSIBLE. At 1732z, ANGRYMAN w/26-character EAM ("ANGRYMAN with a message of 26 characters"), w/heavy "clattering" in his background. At 1843z, POSSIBLE called NIGHTWATCH 01. At 1932z POSSIBLE worked NIGHTWATCH 01 & checked out of the net. SPLITEND 1722 USB wkg NIGHTWATCH 01. At 1922z, SPLITEND worked NIGHTWATCH 01 and checked out of the net via the challenge process. NAILHOB 0019 USB clg NIGHTWATCH 01. At 0028z SLIPHORN (female opr)
called NAILHOB. At 0032z, SLIPHORN called RAINCOAT. At 0104z NAILHOB went monitor only for 2 hours, except that at 0210z NAILHOB called SLIPHORN, and at 0233z NAILHOB called STRATEGY. (JH)

9120 SAM 206: USAF C-20B (tail 86-0206) 1839 USB wkg Andrews VIP w/signal check's on F005, QSY F732. (RB)

10001 ARL: Karachi Naval, Pakistan 1645 CW "DE ARL QSX 6/8". (JD2)

10204 NIGHTWATCH 01 1956 USB wkg SELLOUT, switched to Z-175 for a radio check (Z190 10204, Z175 9016). NIGHTWATCH 01 1956 USB wkg SELLOUT, switched to Z-175 for a radio check (P-Z190 10204, S-Z175 9016). (MF2) NIGHTWATCH net 1916 USB up w/female operator (ALLIGATOR). BADBLOOD 2120: USB wkg NIGHTWATCH 01 changed to voice encryption (K2W).

10767 A3O: USAF Incirlik, TUR 1700 ISB VFT-6028 on USB, voice on LSB wkg NSY/10972 kHz. (JD2)

10780 ARIA 1: 2305 USB clg ARIA Control/ Ascension Radio/ Cape Radio without luck. 2315 Found him wkg ARIA Control looks like fine tuning of a datalink. (PR)

10781.5 9MB: Penang Naval, Malaysia 1625 CW "VVV 9MB 13/16/19". (JD2)

10972 NSY: USAF Sigonella, Sicily 1700 ISB VFT-6028 on USB, voice on LSB wkg AJO/10767 kHz. (JD2)

11056 ANDREWS 1941 USB called SAM 974, moving here from 9027 (heavily qrm'd by now common strong data tones). (JH)

11124 Gibraltar 0750 USB (STRACOM Ch135E) wkg Croughton pp to SAM Command, who req them go 311u.  AGAR 94 1957 USB (412ndTW Ch10894) wkg Ascension pp to (poss.) BANTER Control at Mildenhall to cnfm refuelling at ??Al Dhafra at 0415. This a/c passed through RAF Mildenhall on 3/4/11 and is thought to have gone to La Reunion (GT) STOOL 0710 USB wkg Croughton, w/PR3VOYV7DVAG2-SXO577RP/28 auth. FH. REACH 02016040 USB Ascension/RC w/Ascension. REACH 273 0505 USB Ascension/pp. Mildenhall AMCC:eta 0810z. REACH 02190632 USB Ascension/pp. Travis Command Post. etb 0810z also pp. Travis Metro (HW) SENTRY 48 1456 USB (female opr) clg RAYMOND 37. RULER 30 HEAVY 2114 USB wkg ALBROOK w/pp's (to HOWARD.) At 2121z, BANTER called ALBROOK w/pp's (to CIS). At 2303 USB clg "any global station" & raised ANDREWS, w/pp request to a DSN 927 number (commercial 757 889 ...). SENTRY 52 1904 USB called MAINSAIL & raised ANDREWS w/pp to a DSN 884 number (Tinker AFB); self-id'd "training" patch. OFFUTT 1459 USB as lead GHFS station, w/20(JN)/20(JN)/26(7K) character EAM set over a 10 minute period, w/the 26hcharacter string heard on the NIGHTWATCH net (9016) at 1804z as "current traffic." JAMBO 25 1734 USB wkg MACDILL passed "ops normal" message. At 1622z, HAPPY 52 worked MCELELLAN, looking "for traffic," and told there was none. EXECUTIVE ONE FOXTROT
1616 USB wkg MACDILL. AF2C 1755 USB wkg MCCLELLAN w/pp to a DSN 942 number, id'd as FIDDLE (maybe MIKE MIKE FIDDLE or some such), passing info about a "spare" (or sounds like) group for PELICAN 11. At 1939z TROUT 99 called MAINSAIL & raised OFFUTT, w/pp to ANDREWS wx. During OFFUTT's transmission, the operator seemed to have the brief "vibrating" sounds currently being heard on 11244 in their audio's background. At 1949z OFFUTT worked ADJUSTMENT for a signal check. At 2032z, PACOM 01 worked HICKAM. ASCENSION 1854 USB wkg ARIA ONE. At 2037z ALLIGATOR worked MCCLELLAN & set up data comms - she was going to perform them here until MCCLELLAN hurriedly moved her to 11181. Coder 65 1436 USB called SKYBIRD & raised MACDILL for a signal check. At 1441z ATRA 41 (sounds like) worked MACDILL w/pp to MUDBUG CONTROL, re activity at 38N 87W and a warning to "watch for a/c carriers in your vicinity." At 1541z, MCCLELLAN was up w/ a 26-character EAM, at the end of which STINGBEE called & raised MCCLELLAN for NIGHTWATCH 01 working freqs. After a few long minutes, MCCLELLAN popped up & asked STINGBEE for NIGHTWATCH's DSN number. STINGBEE did not have it; thanked MCCLELLAN for his work; signed off with MCCLELLAN; called & raised MACDILL. STINGBEE asked MACDILL for NIGHTWATCH 01's wkg freqs. Many minutes passed; STINGBEE called & raised MCCLELLAN & reminded him that he needed NIGHTWATCH 01 working freqs. MACDILL advised STINGBEE that he was unable to raise NIGHTWATCH 01, at 1557z, STINGBEE called SURPRISE with no response. (JH) Air Force 2: 0100 USB en route to Chattanooga ordering pizzas through Ascension AFB. (JS4) IVORY 81 1525 USB (C-130, Tail#31038) with pp to TACC, 576-1748 departed Quantico at 1459 heading to Rickenbacker. (KS) REACH 90022: 2105 USB /11181 wkg Offutt pp 835-XXXX cancelled prior to contact. This is a 439 AW C-5 Acft that was on the ground parked at Westover AFRB (MA) (KW2). VICTORY 1432 1903 USB looking for a radio check, DARKFORCE 4 answers. ALBROOK 2105 USB w/pp for STINGRAY 25 to LOBO. NOVEMBER 169 GULF 1846 USB req ALBROOK to pass there ETA to Howard base ops. ALBROOK 2105 USB w/pp for STINGRAY 25 to LOBO. ALBROOK 2125 USB w/pp for SHARK 21 to LOBO. Albrook 1855 USB w/pp for SHARK 25 to LOBO. Albrook 1856 USB w/pp for SHARK 58 to LOBO. Albrook 1858 USB w/pp for STINGRAY 35 to Howard Rescue. Albrook 1904 USB w/pp for SHARK 21 to LOBO. Albrook 1907 USB w/pp for SHARK 18 to LOBO & meteo. Albrook 2143 USB w/pp for STINGRAY 35 to Howard Rescue, searching for a boat. Albrook 2155 USB w/pp for STINGRAY 35 to LOBO, discussed Colombian & Nicaraguan participation in SAR. ALBROOK 2112 USB w/pp for STINGRAY 35 to LOBO. AIR FORCE 1453 2033 USB c1g MacDill for HF radio check. Ascension 1826 USB w/pp for CROWN 21 to DNS#854-8863-KING OPS. Ascension 1830 USB w/pp for CROWN 21 to DNS#854-7113-Patrick meteo. MacDill 1905 USB w/pp for RAZOR 22 to DNS#468-2612/2613/2614-Raymond #19, RAZOR 22 reports ops normal. Ascension 1941 USB w/pp for SHARK 12 to LOBO. ROLLER 03 1948 USB req pp from MAINMAIL, very weak nothing heard. Ascension 2044 USB w/pp for REACH 7043. Albrook 2045 USB w/pp for SHARK 13 to LOBO. Andrews 2043 USB w/pp for LANCER 01 TRIDENT duty office. Andrews 2010 USB w/pp for SPIN 21 DNS#228-7400-Davis-Monthan-Raymond 8. Albrook 2120 USB w/pp for REACH 8 JULIET 8 to Charleston meteo (8J8 is a C-17) (MF2) Raid 24 1820 USB wkg Hickam GHFS w/pp to Command Post, req meet them on 6761. (MG) NEIGHHWK 62 1646 wkg MacDill w/pp to ??? base ops. NEIGHHWK BASE 1707 wkg MacDill asking if MacDill was in contact with NEIGHHWK 62. MacDill sez no, then makes all frequency request for 62 with no joy. MacDill offers to make periodic all freq. requests for the next hour. (MJ) RAZZ 88: unid a/c 0249 USB wkg Hickam GHFS w/pp to DSN (missed!) who answers as "Hojo", adv 88 that they have their "Front end" on uniform (UHF) at this time. NAVY LN451: P-3C, VP-45 "Pelicans" NAS Jax, Fl 1455 USB wkg Andrews GHFS w/pp to Duty Office at JAX, ID's as 776, req pass msg to Navy Command Ctr at Randolph. TUFF 18: B-52H, 11th BS, Barksdale AFB, La 1501 USB wkg Offutt GHFS w/pp's normal, neg relay tcf. TOIL 31: C-130H 357th AS/908th Aw, Maxwell AFB, Al 1506 USB wkg MacDill GHFS w/pp TOIL OP's re special shoring for their cargo. TURF 99: (spelled) unk type a/c 1521 USB wkg MacDill GHFS w/pp PEGASUS OP's. BEAR 08: USMC KC-130 of VMGR-234 NAS Fort Worth JRB 1527 USB wkg Andrews GHFS w/att pp to 739 DSN. MOTOWN 4: C-130E 191st AG, Selfridge ANGB, Mi 1611 USB wkg Andrews GHFS w/pp MINUTEMAN OP's (ANG OP's Center Wash D.C.), tail
WUNhv02

39813, dep Birmingham enrt Howard. GORDO 15: E-4B 1624 USB wkng McClellan GHFS w/pp RAYMOND 21 to report arrival at Offutt at 1621z, req relay to NIGHTWATCH 01. GAF 346: C-160 of German A.F. 1639 USB wkng Andrews GHFS w/pp Dover meteo for wx CYYT 1702z, gives pirep & ID's as C-160. HUNT 76: unk a/c 1700 USB wkng MacDill GHFS w/pp McQuire CP re is at AR212 & has no tanker, tanker ROVER 51 was routed to a different track, if unable to make it there, RTB. SPIRIT 36: B-2A, 509th BW, Whiteman AFB, Mo 1920 USB clg mainsail, no joy. JAMBO 30: B-52 2nd BW Barksdale AFB 1715 USB wkng Offutt GHFS w/request, req relay to MUDBUG that low level 150 has moderate to severe turbulence at 15,000ft. JERSEY 71: KCh135E 141st AR 1752 USB wkng Andrews GHFS w/pp Dover meteo for wx CYYT 1730z, gives pirep & ID's as Ch160. HUNT 76: unk a/c 1700 USB wkng MacDill GHFS w/pp Dover meteo for wx CYYT 1824, no joy. NAVY LA56: P-3C of VP-3 "Mad Foxes", NAS Jacksonville, Fl 2339 USB wkng Ascension w/pp, BAT 31: unk a/c 1710 USB wkng Offutt GHFS w/pp HAUNTED HOUSE, passes "zero plus 41" & off. DROOL 11: (spelled) unid a/c 2005 USB wkng Andrews GHFS w/pp Kirkland meteo. NAVY LL004: P-3C, UP-3A or TP-3A of VP-30 "The Pro's Nest", NAS Jacksonville, Fl 1958 USB clg mainsail for several mins, no joy. CanForce 1600: Canadian Forces a/c 1900 USB wkng MacDill GHFS w/ID CFC 1600 after some confusion over call, w/pp 252 DSN, passes departure msg, dep Old Lake & reqs it be passed to Bearwater Op's. (RB) ALBROOK 2125 USB w/pp for SHARK 21 to LOBO. Albrook 1855 USB w/pp for SHARK 25 to LOBO. Albrook 1856 USB w/pp for SHARK 58 to LOBO. Albrook 1858 USB w/pp for STINGRAY 35 to Howard Rescue. Albrook 1904 USB w/pp for SHARK 21 to LOBO. Albrook 1907 USB w/pp for SHARK 18 to LOBO & meteo. Albrook 2143 USB w/pp for STINGRAY 35 to Howard Rescue, searching for a boat. Albrook 2155 USB w/pp for STINGRAY 35 to LOBO, discussed Colombian & Nicaraguan participation in SAR. Navy CS33: 2117 USB Croughton Call to the Duty Office. ETA 1755L. STOOL 0610 USB Incirlik/ops. normal at 0603 (HW) WA03: 1653 USB Asen' + Croughton PP to Euro DSN 266 xxxx. Was told this number is not available at this time. HERKEY 100: 1703 USB clg MAINSAIL. (SM) REACH 90022: 2105 USB //11175 wkg Offutt pp 835-XXXX cancelled prior to contact. This is a 439 AW C-5 Acft that was on the ground parked at Westover AFRB (MA) (KW2). ALLIGATOR 2038 USB wkng MCCLELLAN in voice & data. (JH) NIGHTWATCH: 1947 USB wkng DEEPWELL w/rdo ck's. (RB) Norwegian 5742 0935 USB wkng JWT for radio check all in EE then to 6683. (PR) JWT is Norwegian Navy, Stavanger; 5742 is a probable Sea King -LOGS. BEEHONEY 2306 USB worked DRAFTBEER. At 2309z, BEEHONEY called AUTOGRAPH. At 2313z, DRAFTBEER worked COMMAND CENTER. At 2317z, BEEHONEY worked DRAFTBEER and requested that DRAFTBEER send his "QTH" via WHISKEY BRAVO. At 2322z, ticking and voice time hacks on freq. Coastguard Martek? 0815 USB wkg unid "870"? Later at 0820 Coastguard Guard also w/kg with same craft, with same craft. DRAGNET SIERRA 1810 USB wkng Raymond 24 w/pp to DSN 884 number. Raymond 24 Id'd it as Trenton Military. BANDSAW KILO 2110 USB wkng TRENTON MILITARY w/pp's. (JH) DARKSTAR: E-3 AWACS 1529 USB no other 2nd letter used, wkng Trenton Military re pp CURRENT Op's (at Kirkland AFB DSN), once pp initiated ID's as SENTRY 51 & passes revised ETA. (RB) Dragnet Sierra 1815 USB wkng Raymond 24 trying to pp to radar maint. 24 says line is degraded due to number of pp's & tells Dragnet Sierra to go direct. DS raises Radar maint. who id's DS as Dragnet Sierra Art and tells them to power down and reset the breakers. (MG) SENTRY 34 1505 USB wkng TRENTON MILITARY w/pp to RAYMOND 24. At 1723z, CHECKMATE 5 worked SENTRY 30. (JH) CASEY 01 1945 USB worked MACDILL w/pp to ANDREWS VIP: "preflight" for 31 Oct 1130z - 731 and 465 upper. (JH) EXEC 1 Foxtrot: USB w/pp to Andrews with a lot of traffic and instructions. (MW) Andrews 1929 USB w/pp for PACER 01 to DSN# 574-2748 LANGLEY METEO. Andrews 1822 USB w/pp for CASEY 01 to Offutt meteo. Andrews 1815 USB w/pp for SAM 204 to Andrews meteo. (MF2) SPAR 66: 1845 USB wkng Andrews w/pp Offutt base op's ("KOFF Base op's") on "311". (RB) CASEY 01 USB wkng Andy on 311u departed Istres 1259 eta NAS Keflavik 1635 relay to STRATCOMCEN, NMCC and RAYMOND 21. Then pp to RAYMOND 21, adn asked them to relay departure time to LOOK 01 and LOOK 02 SPAR 67: 0836 USB (58thAS C-20A) wkng Andy on 311u, trying to
get a pp to DSN 480-5941 (somewhere at Ramstein AB, Germany). Due to
comms problems, they also tried on F099u/13.247, F498u/8.032. (GT)
SPAR 67: 1215 USB wkg Andrews (thru Incirlik site). pp Ramstein CP
Both appear to have comms problems. 67 asks Andy to try LSB Andy says
Incirlik is not capable of LSB. (PR)
ANDREWS 1924 USB worked SAM 403. At 2000z, ANDREWS worked SAM 403,
& asked if SAM 29000 was going to be up today. At 2013z, during a
period of heavy ALE pulse activity, a female voice (of the automated
voice mail variety) popped up on freq and said "Invalid selection",
and was gone. (JH)
OFFUTT 2123 USB as lead GHFS station with 20-character EAM; preamble
TESTTE. String was read in the normal manner; preamble thrice,
followed by the entire string read twice; and echoed by other GHFS
stations. String was TESTTE STTES TTES TTES T, which can be rewritten
as TEST TEST TEST TEST. A *very* unusual plaintext EAM string.
FISHNET 1431 USB wkg ALBROOK w/pp to a DSN 339 number id'd a BOOMTOWN
(ALBROOK requested if the number were European or CONUS, indicating
they are not familiar w/the common DSN request destination). A brief
message (sounding as if it were described as an OPSIG or OPZIG msg
- a short alphanumeric character group). (JH) Offutt 1802 USB with an
EAM "FLVNA2" & a "more to follow" beginning w/"JNJPAY", also heard on
11175. (MG) REFRAC: 1600 USB wkg Thule pp Lajes Global!! lost a/c
soon after. (PR)
Gibraltar 0815 USB wkg KITTYHAWK 20 No answer on that number, but you
message has been passed onto the relevant party. Gibraltar: 0823 USB
Calling for KITTYHAWK 20 Nothing heard. ASCOT 5173: 0900 USB Cyprus
ETAs etc. SELCAL AJ BF Started with Cyprus & ended up speaking to
Architect! (SM)
RAF weather bx 0845 USB. The RAF Finningley training is listed
here. (AW)
13059 EBA: SN Madrid 1619 CW cq de (Bvr)
13204 SPAR 66: 1656 USB wkg Ascension w/pp to unid "Command Post". (RB)
13206 TOPPS 11 (sounds like) 2010 USB cgl PLANTATION OPS. (JH)
13211 ANDREWS 1924 USB wkg SAM 403. (JH)
13236 French AF 0930 USB freq "raphael", flights into former yugoslavia
(ANE)
NNOCZA: Unid ship 2359 USB clg ASSMS w/beam heading SE for routine pp tcf. NNN0CZ: USS Merimack (AO-179) 2037 USB clg NN0NUNW after NNW made and he was standing by for pp tcf, but no joy, then clg ASSMS. (RB)

14470 NNN0CCL: Unknown USN/USCG vsl 2123 USB wkg unid w/conclusion of pp. (RB)
15011 SAM 206: USAF C-20B (tail 86-0206) 1839 USB wkg Andrews VIP w/signal ck's on F732, QSY F646. (RB)
15016 CARDFILE 712 1735 USB wkg ANDREWS w/"ops normal" message. At 1803z, CARDFILE 712 worked ANDREWS w/pp to FIDDLE, where CARDFILE passed a multi 3-element group message. The FIDDLE operator complained that it sounded as if CARDFILE 712 was moving the mic near & far from his mouth - actually, it was a result of heavy qsb noticeable even here. At 1805z, OFFUTT as lead GHFS station, w/20(RY)/20(RY)/26(FL) character EAM set over a 16 minute period. At 1832z, OFFUTT w/a now rare 20-character EAM string in the FL..series of static characters. (JH) Ascension 1941 USB w/pp for REACH 00446 to Dover CP. Andrews 1835 USB w/pp for LION 84 to DNS# 336-3246 & also to DNS#333-3391 Roosevelt Roads base ops. BRANDY 1859 USB passing message to NIGHTWATCH 1. Albroom 1839 USB w/pp for SHARK 61 to LOBO & meteo. BRANDY 1859 USB passing message to NIGHTWATCH 1. (MF2) OPEN SKIES 12T: 1230 USB wkg Lajes. pp DSN 368-3282 answered as LOBO OP CENTRE (I think.) - Had Open Skies Launch Report dep LHTL (Hungary somewhere ??) going to Mildenhall. (PR) NAVY JKT: Navy C-2A Greyhound of VRC-40 "Rawhides", NAS Norfolk, Va, 1748 USB wkg Lajes w/pp 942 DSN, JAX OpCon. MARINE 153: unid a/c 1712 USB clg mainsail. CROWN 20: HC-130P? 1645 USB wkg MacDill GHFS w/pp to meteo for wx at KVAD 1850z, KCOF 2000z, neg pirep. ASTRO 22: unk type a/c 1615 USB wkg Andrews GHFS w/Fairchild AFB CP/Meteo. SAM 300: USAF C-20H (tail 90-0300) 1816 USB wkg Andrews w/pp Andrews VIP re lost comms, QSY to '117'. (RB)

17010 TBO3: Izmir Naval, TUR 0945 CW V's only. (JD2)

1848 Unid: 1810 female voice repeating the word MUH HA three times, pausing for a few seconds and then repeating the word three more times. This cycle was repeated until 1813Z at which point the transmission stopped. (V2)
2500 JJY Tokyo time station.1051 AM in EE. Stronger than WWWH which is very rare here. (AW)
2628 MOSSAD 1916 USB FTJ broadcast(HS)
3150 MOSSAD 1920 USB PCD broadcast(HS)
3270 MOSSAD 1918 USB KPA broadcast(HS)
3417 MOSSAD 1939 USB ART broadcast(HS)
3640 MOSSAD 1919 USB VLB broadcast(HS)
3840 MOSSAD 1919 USB YLF broadcast(HS)
4040 Unid: 2034 USN Italian male w/what I can only presume were freqs being repeated over & over. (SM)
4270 MOSSAD 1940 USB PCD broadcast(HS)
4357.4 JEIB: unid 1735 CW clg upjx qsg 2 followed by 5 fgs. JEIB: unid 1750 CW clg c2oy and 5 fgs (BrR)
4360 MOSSAD 1921 USB MIW broadcast(HS)
4463 MOSSAD 1910 USB FTJ broadcast(HS)
4539 DSAILD: 1249 MCW Unid beacon very strong in the Athens area, although it is not local (ground wave) (CK)
4558 Unid: 0125 CW rptng "c" (AM3) (SLHFM h Russian Navy, Moscow h LOGS)
4560 MOssad: Israeli Intel Service 0357 USB YL/EE w/British accent, call up of YHF2. (RB)
4575 N/A: Argentine Nat'l Police 0345 USB w/SS ann followed by two tone siren like notes that went on to 0358, fol by another ann. The notes sound like a European 2-note police siren. (RB)
4665 Unid: 0243 AM yl in EE rptng "victor lima bravo two " (AM3)
4791 ASOTA (Australian School Of The Air) 1000 USB This TX was from Charters Towers (Qld). (SB)
4880 MOssad Phonetic 1900 USB. 5 groups of letters by YL. Right in the broadcast band, causing interference to 4875 (AW) MOSSAD 1914 USB ULX broadcast. (HS)
4992 ASOTA (Australian School Of The Air) 1142 USB. (SB)

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5091 MOSSAD 1853 USB JSR broadcast. (HS)
5221 ASOTA (Australian School Of The Air) 1011 USB Teaching kids Japanese.
5277 PANTHER: DEA, Nassau, Bahamas 0733 USB wkg SHARK 04, req PANTHER take his voice guard from Group Miami. This is probably USCGC Northland (WMEC-904), as the other '04' USCGC Maui WPB-1304, is HP'ed in Pacific. (RB) 9 DELTA 3 2103 USB Reporting ops normal after departing PANTHER 400 to PANTHER. (MF2)
5300 ASOTA (Australian School Of The Air) 1010 USB. (SB)
5301 Unid: 0310 USB om in GG?? w/ 5/g's, distorted, muffled. (AM3)
5437 MOSSAD 1944 USB ART broadcast (HS)
5440 Unid Scrambled comms 1009 USB sig 60+db Must be Cairns station using some sort of encrypt, any help please, If i had to guess i would say fishing company?? (SB)
5445 ASOTA (Australian School Of The Air) 1135 USB (SB)
5688 OB: 1547 USB wkg B10 B20 B30 B40 w/test setup strings. OB appears to be net control with other stations sending 5 groups of 5 characters preceded by a test number. Strings are not in phonetics though. After each string there is a standard response in terms of number of errors, reliability, fading, and interference (usually fairly high as the German Air Force was pretty active on 5687 !) All in EE w/EE & Scot. accents. Sounds both military (from message groups) and non-military (from lack of phonetics). (PR)
5841 PANTHER 1915 USB clears 39 CHARLIE to RTB there closing down search. At 1925, 39 CHARLIE reports to PANTHER he has spotted suspected vessel, 39C passes coordinates to PANTHER (possible vessel name Ida-way, weak signal). 61 ALPHA 1841 USB passing posn report & req PANTHER takeover their guard. PANTHER reports 39 CHARLIE is west of 61A posn. 39 CHARLIE passing report to PANTHER. At 1844, 61 ALPHA tells PANTHER they have no LOMA ALPHA team, PANTHER req 61A to search an area while he RTB, 61A replies he is a flight of 3 & will not conduct the search. HERK 19 1920 USB c/e PANTHER, 19 leaving PANTHER 200 enrt NASSAU. (MF2) (CG C-130H 1719 -LOGS)
5853 ASOTA (Australian School Of The Air) 1008 USB. (SB)
5865 ASOTA (Australian School Of The Air) 1138 USB Teaching kids Japanese. (SB)
5881 Unid Portuguese accented stn 0925 USB. Long list of orders. (AW)
5895 Christian Radio Mission fellowship CRMF PNG 0802 USB. RE;Medical emergency, birthday messages (AW)
6844.5 Unid: 0221 CW sending dots continuously (AM3)
6859 ASOTA (Australian School Of The Air) 1112 USB. (SB)
6959 MI6 Lincolnshire Poacher 1906 USB numbers (HS)
7605 MOSSAD 1350 USB CIO Broadcast (HS)
7606 Unid: 0445 AM YL rptng "CIO2" in EE (AM3)
7907.8 Ganfuda Oil, Libya 0642 USB, Opchat in EE btw Tripoli base and location "S3" (MC)
7918 Mossad HQ Tel Aviv 0430 AM wkg/Mossad station YHF2 (central Europe/Mideast) w/5lgs (ANEE)
8014 US-INTL Counting station 1500 USB 5 FGs to '221' (ANEE)
8020 Unid Filipino stn 1050 LSB. Ordering supplies. AT 1100 they switched to USB and 5 minutes later at 1105 back to LSB. Very unusual. (AW)
8080 Unid Filipino stn. 1005 USB Long list of orders. Not the same as 8070 (AW)
8142 OLY: MOI Prague 0555 USB tfc call. til 0605 (ANEE)
8989 Unid Pacific Island net.1114 USB p/p, sitting on USAF frequency in Military band (AW)
9186 HEP 9: Police Zurich, SUI 1735 CW VVV DE HEP 9 (ANEE)
9251 MI6 Lincolnshire Poacher 1907 USB numbers (HS)
9270 MOSSAD Tel Aviv, ISR 1445 USB unusual transmission CIO F38 B46 T56, no 5LGs sent //12747 kHz (ANEE)
10493 WGY912: 1805 USB wkg WGY908 for comm check, moved to F-36. (MG)
10529 US-INTL Counting station 1330 USB 5 FGs to '215' (ANEE)
10597 US-INTL Counting station 1119 USB 5 FGs//8014 kHz (ANEE)
10929 Unid stn. 1020 USB Indonesian or Malaysian. Phone net (AW)
10970 MOSSAD Tel Aviv, ISR 1438 USB unusual message MIW 46R, no 5 LGS
sent (ANEU)

11250 Unid Pacific island net. 0805 USB. p/p on RAF frequency (AW)

11545 MI6 Lincolnshire Poacher 1920 USB numbers (HS)

11618 'V': UNID RUShNY marker 0725 CW continuous V in slow morse (ANEU)

12415 Unid Asian phone net. 1100 USB p/p in data band (AW)

12530.8 Unid Asian phone net. 1105 USB p/p in RTTY band (AW)

12603 MI6 Lincolnshire Poacher 1924 USB numbers (HS)

12747 MOSSAD Tel Aviv, ISR 1445 USB unusual transmission CIO F38 B46 T56, no 5LGs sent //9270 kHz (ANEU)

12862 Unid Russian stations. 1107 USB p/p in CW band (AW)

13446 WGY912 1806 USB wkg WGY908 w/pp to "3451" Id'd as "radio room" hy-n-bye check and gone. 908 advised WGY910 was up on F-26 (10.493). Any ideas on 3451? Anywun heard this before? (MG)

14487 MI6 Lincolnshire Poacher 1122 USB numbers (HS)

14686 ATLAS 2046 USB w/pp for 270 to UNID. (MF2) ATLAS 2106 USB w/pp for FLINT 940 to FLINT BASE. (MF2) ATLAS: Customs Over the Horizon Enforcement Net (COTHEN) Rockwell-Collins, Cedar Rapids, IA 1730 USB wkg '520', has 2 POB enrt BIG BEAR 200 for 4-1/2 hr flight. (RB)

14750 MOSSAD 1220 USB M1W broadcast (HS)

15682 MI6 Lincolnshire Poacher 1124 USB numbers (HS)

15970.5 KKN50: Washington D.C., USA 1435 CW "QSX 6/10/11/15 K". (JD2)

16084 MI6 Lincolnshire Poacher 1126 USB numbers (HS)

20048 SLHFB (S) 1054 CW Single letter (S) HF beacon (DW) (Russian Navy, Arkhangelsk - Logs)

20048 SLHFB (C) 1054 CW Single letter (C) HF beacon (DW) (Russian Navy, Moscow - Logs)

Salcost Company, Rome 1500 USB Salcost office, Kassala, Sudan, conversation about crematoriums, brakes, etc., til 1530 (ANEE)

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This month's contributors:

(AM2) Al Marote, Vero Beach, FL, USA

(AM3) Albert Miles, Richmond, Va, USA

(ANE) Anonymous, Eastern Europe

(ANEU) Anonymous, Europe too

(AW) Alex Wellner, Sydney, Australia: Kenwood R5000

(BDS) Brent D. Saylor, PA, USA: Icom R-70, AEA CP-1 TU

(BVR) Bert van Rij, Naaldwijk, The Netherlands

(CCK) Costas Krallis, Athens, Greece: Yaesu 7700

(CM) Craig Mackinnon, Halifax, NS, Canada: Yaesu FRG-7

(CR) Chris Reed, W. Pennsylvania

(DW) Day Watson, Cleveden, UK: NRD535, Racal RA1792, Code 30 v.2, JVFAX

(DW2) David Wright, San Angelo, TX, USA: DX394, Grundig Y8400, Code 3 Gold

(DW3) Donald Warner, Medway, Ohio, USA

(ES) Eric Sillick, Toronto, ON, CAN: Hoka Code 3 Gold

(FH) Fred Hetherington, Ormond Beach, FL, USA: M7000 (by mail)

(FM) Fabrizio Magrone, Forli, Italy: JRC NRD535

(GT) Graham Tanner, London, England

(HOOD) Robin Hood, UK (by mail)

(HS) Henk Stelte, Utrecht, Holland

(HW) Hans Wildschut, Zutphen, the Netherlands: Lowe HF225 with 12m wire

(JD2) John Doe, London, England (by mail)

(JH) Jeff Haverlah, Houston, TX, USA: R5000/R7/FROG7/RFB65

(JM) Jack Metcalfe, Danville, KY, USA: Drake R-8, AEA DSP-1232

(JM3) John Morrison, Glasgow, Scotland: HF-225

(JP) Jim Pogue, Memphis, TN, USA: R-2000, Sony 2010

(JS4) J.D. Stephens, QTH?

(JW) John Ward, St Petersburg, FL, USA

(KS) Keith Stein, Woodbridge, VA, USA: Sony ICF2010

(KW2) Ken Windyka, Springfield, MA, USA: Sony ICF2010, Yaesu FRG100

(LC) Les Crossan, Walls End, UK: Lowe HF150, WeFax for Windows

(MC) Mike Chace, Bath, UK: Hoka Code 30

(MF2) Mike Fink, S. Florida, USA: Drake Sw8

(MG) Michael Graham, New Albany, MS, USA: AOR AR3030

(MJ) Mike Jacobs, Allentown, PA, USA: R5000

(MK) Mark Kirker, NY, USA: Sanagen 803

(ML2) Murray Lehman, Perth, Australia: Icom R-71E, R9000, M7000v7, M8000v5

(MS4) Mohammad Sultan, Port Louis, Mauritius: NRD535D, Universal M-1000

Pagina 1023
(MW)  Mike Wolfson, Ashland, Ohio, USA: NRD535
(MZ)  Mark Zee, Waterford, Ireland: Philips
(PR)  Paul Robbins, Nuneaton, Warwickshire, England: IC-R72
(PS)  Paul Scalzo, Montreal, PQ, Canada: R2000, M7000 v.7
(PSS)  Phillip Scott, TS-870
(PT)  Peter Thompson, Crewe, Cheshire, UK: Lowe HF225/Universal M-7000
(RB)  Rick "RD" Baker, Austintown, Ohio, USA: Icom R71A, Icom R72, M-1000, Hoka Code 3
(RT2) Robert Thompson, Kilgore, TX, USA: R390A, FRG100, R-8, NRD535D, M900/ M6000v9 Hoka Code 3
(SB)  Steve Bottom, Cairns, Australia: FRG7700
(SL)  Steven Lare, Holland, MI, USA: Drake RH8
(SM)  Stuart McMurtrie, Surrey, UK: Racal 1772
(SS)  Stan Scalsky, Leonardtown, MD, USA: IC-R71A, M7000, Code 3
(TD2) Tom Davies, Grahamstown, South Africa: R-70, ZSRX vert. ant.
(VZ)  Valentino Zardi, Copenhagen, Denmark
(WT)  Wade Taylor, Glendora, CA, USA

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Abbreviations Used
// Parallel with Frequency  pp  Phone Patch
5FG's  5 Figure Groups PP Polish language
5LG's  5 Letter Groups R/T Radiotelephone (ship/shore fone)
a/c  Aircraft rdo radio
ARP  AIREP or Air Report re Reference/Regards
ck  Check req Request
cud  Could RR Russian language
dep  Departed SAR Search & Rescue
dx  duplex sta Station
EE  English language sx Simplex
enrt  En route tfc Traffic
f  female TG's Telegrams
FF  French language tlx telex
GG  German language unid Unidentified
hrd  Heard unk Unknown
m  male vsl Vessel
msg  Message w/ with
MIB  Maritime Info Broadcast wkg Working
nx  News wx Weather
posn  Position

=END=

============================================================================
\\ Festival of WUN NEWS Vol. 2, No.12 December, 1996 \//
\\ An Electronic Club Dealing Exclusively in Utility Stations \\//
\ WUNNEWS Vol. 2, No.12 December, 1996 ///
============================================================================

Edited by Richard Baker
WUN Electronic Edition Editor
utelistener@msn.com
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If you have problems in this, or need further information contact Stan Scalsky at: sscalsk@atc.ameritel.net

Pagina 1024
MEMBERSHIP NEWS

Mike Wolfson, Membership Director
mwolfson@bright.net

Another month has passed and it's again time to update club members on the status of the club. In the past month membership levels have held steady. This continues the trend that we've seen for the past year. Membership figures collected at the beginning of the month are compared with the results for November 1996 and December 1995 in the following table:

<table>
<thead>
<tr>
<th></th>
<th>12/96</th>
<th>11/96</th>
<th>10/96</th>
</tr>
</thead>
<tbody>
<tr>
<td>WUN</td>
<td>670</td>
<td>664</td>
<td>675</td>
</tr>
<tr>
<td>WUN-DIGEST</td>
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<td>94</td>
<td>89</td>
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<tr>
<td>WUNNEWS</td>
<td>198</td>
<td>202</td>
<td>173</td>
</tr>
<tr>
<td>Mail</td>
<td>31</td>
<td>39</td>
<td>43</td>
</tr>
<tr>
<td>BBS (non e-mail)</td>
<td>185</td>
<td>152</td>
<td>152</td>
</tr>
<tr>
<td>-------------</td>
<td>-------</td>
<td>-------</td>
<td>-------</td>
</tr>
<tr>
<td>Total</td>
<td>1175</td>
<td>1151</td>
<td>1042</td>
</tr>
</tbody>
</table>

The membership represented 31 countries this month. No new countries were noted.

A couple of months ago, I did a survey of the member database of the types of receivers used by members. I mentioned when reviewing the results that there were more receivers being used than we had members. This month, I decided to go back and survey the number of receivers that individual members use regularly enough to list for the survey. Here are the results of that survey:

<table>
<thead>
<tr>
<th># of radios</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5+</th>
</tr>
</thead>
<tbody>
<tr>
<td># of members</td>
<td>93</td>
<td>51</td>
<td>25</td>
<td>10</td>
<td>3</td>
</tr>
</tbody>
</table>

While doing this survey I also decided to look at what general type of receiver was the most popular; portable or table top. Those results are listed below:

Table Top: 129
Portable: 18
Both: 34
Could not identify: 1

From the information included in the members' database, I conclude that a lot of members have one radio and that it's a table top model. Those of you who own more than one, own at least one table top and at least one portable.
Speaking of the database, I have information on 188 members. Only 182 of those people responded with information about the radios they own. I bring up this point because the club has over 1100 members. That means about 1000 are not in the database. If anyone out there cares to change that please either e-mail or surface mail me their answers to the survey questions:

- E-Mail Address
- Name
- Where you're located (state/Province, Country)
- Main receiver(s)
- Main decoding equipment (HOKA, JVFAKX, etc)
- Monitoring interests (aero, marine, etc)

The information will not be shared or used by anyone except club officers for club purposes. The database management program I'm using can accept ASCII text. I am requesting that you answer each question on a separate line followed by a carriage return. Please do not include the question itself in the answer, just the information requested. If you're sending me a revision please indicate that in your response.

That will do it for this month. Those of you in the southern hemisphere, I hope you have a good summer. Those of us in the north will get our revenge in 6 months. To all, I hope the new year is a good one and that your radio monitoring is successful. Mike

---

INTERNATIONAL CIVIL AERO
Editor: Tony Orr, 11404 Turnmill Lane, Reston, Va, 20191-3618 USA
E-mail: tony.orr@wdn.com or jetset@patriot.net
Fidonet: 1:109/236

Co-Editor: Peter Ivakitsch, 4357 Bloor Street West, Unit 19, Etobicoke Ontario, CANADA M9C 2A4 E-mail:peter.ivakitsch@westonia.com
Fidonet: 1:250/930

---

Here we are again with another edition of International Civil Aero. My apologies to everyone for last months no-show, I've since talked to my hard drive and it has assured me that no further problems will crop up unexpectedly! 8-)) Thanks to Tim Braun for pointing out the omission of Kapuskasing Radio in my feature article about Canadian HF stations on 5680 in October. I had that on my list but forgot to include the station in the final edit! We have quite a bit to get to this time around, so here we go!

5517-NEW FREQUENCY IN AFRICA!!

WUNner Tim Braun recently discovered a new frequency operational in Eastern Africa. 5517.0 is the channel and so far he and Ian Baxter have reported aircraft AF011 flying and working Tripoli, Nairobi, and Addis Ababa. What is not clear from further monitoring is if this frequency is a being implemented as a gradual replacement for 5658 or simply an additional frequency to alleviate some of the congestion to be found on the usual 5 mHz channel.

5661-THE TIME IS RIGHT FOR MALTA

Recent monitoring of this frequency from ECNA has resulted in excellent reception from Malta ATC. I have noted this station as early as 2100 UTC and as late as past 0500 some nights so do keep an ear out for it!

TRANSATLANTIC FLIGHTS FROM THE US WEST COAST (PART TWO)

<table>
<thead>
<tr>
<th>ROUTE</th>
<th>FLIGHT</th>
<th>A/C TYPE</th>
<th>TIMES</th>
<th>FREQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>SFO-CDG</td>
<td>UA960</td>
<td>767-300</td>
<td>DEP 1520 ARR 1000+1</td>
<td>DAILY</td>
</tr>
<tr>
<td>SFO-CDG</td>
<td>AF081</td>
<td>A340</td>
<td>DEP 1630 ARR 1115+1</td>
<td>2X4</td>
</tr>
<tr>
<td>SFO-CDG</td>
<td>AF081</td>
<td>A340</td>
<td>DEP 1655 ARR 1140+1</td>
<td>24</td>
</tr>
<tr>
<td>PHX-LGW</td>
<td>BA276</td>
<td>DC10</td>
<td>DEP 2130 ARR 1450+1</td>
<td>2567</td>
</tr>
<tr>
<td>SEA-LHR</td>
<td>BA082</td>
<td>747</td>
<td>DEP 1745 ARR 1115+1</td>
<td>DAILY</td>
</tr>
<tr>
<td>SEA-SVO</td>
<td>SU324</td>
<td>IL96</td>
<td>DEP 2250 ARR 2020+1</td>
<td>1</td>
</tr>
<tr>
<td>SEA-SVO</td>
<td>SU324</td>
<td>IL96</td>
<td>DEP 2100 ARR 1830+1</td>
<td>5</td>
</tr>
<tr>
<td>YVR-AMS</td>
<td>KL682</td>
<td>MD11</td>
<td>DEP 1740 ARR 1210+1</td>
<td>1467</td>
</tr>
</tbody>
</table>
ICELANDAIR has now afforded all of us the opportunity to catch a 737-400 on HF now that service to Halifax from Keflavik has started. FI607 KEF-YHZ operates on Tues/Thurs dep 1645 arr 1805, and the return FI606 dep Halifax at 2300 and arrives KEF 0630+1. Let me know if you have any luck hearing this flight! IBERIA has once again shuffle dit's Airbus A340's to the following routes:

<table>
<thead>
<tr>
<th>FLIGHT #</th>
<th>ROUTE</th>
<th>A/C TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA37</td>
<td>ZRH-ORD</td>
<td>767</td>
</tr>
<tr>
<td>AA38</td>
<td>ORD-ZRH</td>
<td>767</td>
</tr>
<tr>
<td>AA41</td>
<td>ORY-ORD</td>
<td>767-300</td>
</tr>
<tr>
<td>AA42</td>
<td>ORD-ORY</td>
<td>767-300</td>
</tr>
<tr>
<td>AA44</td>
<td>JKF-ORY</td>
<td>767-300</td>
</tr>
<tr>
<td>AA45</td>
<td>ORY-JFK</td>
<td>767-300</td>
</tr>
<tr>
<td>AA46</td>
<td>ORD-LHR</td>
<td>767-300</td>
</tr>
<tr>
<td>AA47</td>
<td>LHR-FRA</td>
<td>767-300</td>
</tr>
</tbody>
</table>

TAP-AIR PORTUGAL has a new route from Lisbon to Macau via Brussels using Airbus A340's: TP262 BRU-MFM dep 1515 arr 0930+1 on Mondays/Fridays, and TP261 MFM-BRU dep 2215 arr 0730+1 on Tuesdays/Saturdays. Believe it or not, SCIBE of Zaire has a 727-200 in service between Kinshasa and Brussels, ZM002 FIH-BRU dep 2300 arr 0730+1 on Wednesdays, and ZM003 BRU-FIH dep 2200 arr 0540+1 on Tuesdays. TURKISH AIRLINES has new nonstop Istanbul-Johannesburg service using Airbus A310's: TK590 IST-JNB dep 2200 arr 0715+1 on Mon/Fri, and TK591 JNB-IST dep 1830 arr 0340+1 Tues/Sats. In news from BRITISH AIRWAYS, the Concorde is back on the Heathrow-Barbados route with the following sked during the holidays:

<table>
<thead>
<tr>
<th>FLIGHT #</th>
<th>ROUTE</th>
<th>A/C TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA273</td>
<td>LHR-BGI</td>
<td>0940</td>
</tr>
<tr>
<td>BA272</td>
<td>BGI-LHR</td>
<td>1330</td>
</tr>
</tbody>
</table>

CONDOR now has scheduled once-weekly 757 service from Cologne to Ft. Lauderdale. DE051 flies nonstop FLL-CGN on Mondays. In other route news from CONDOR, the airline has commenced Cologne-Las Vegas service on Mondays: CGN-LAS DE1082 and LAS-CGN DE1083 with 767's. CHINA SOUTHERN now has Boeing 777 service to Amsterdam from Beijing. CZ345 PEK-AMS dep 1400 arr 1820 on Tues/Fri and CZ346 AMS-PEK also on Tues/Fri dep AMS 2010 arr PEK 1320+1. KLM ROYAL DUTCH AIRLINES has moved an MD11 onto it's route to and from Montreal's Mirabel International. KL671 AMS-YMX and KL672 YMX-AMS are the flight numbers. ROYAL JORDANIAN will operate a special A310 service from Amman to Montreal-Mirabel on December 19. RJ2266 dep YMX 2320 and arrives 1850+1 with one mystery stop. Also from YMX is EL AL's 767 service to Tel Aviv through December 29th. LY0010 dep YMX 1500 arr TLV 0800+1 Sundays only and LY0090 dep TLV 0200 arr YMX 0705 also on Sundays only.

---

**TRANSATLANTIC FLIGHT NUMBERS**

The third in a series of listings to help you identify the routes of flight numbers you may hear on HF, and this month we present American Airlines:

<table>
<thead>
<tr>
<th>FLIGHT #</th>
<th>ROUTE</th>
<th>A/C TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA37</td>
<td>ZRH-ORD</td>
<td>767</td>
</tr>
<tr>
<td>AA38</td>
<td>ORD-ZRH</td>
<td>767</td>
</tr>
<tr>
<td>AA41</td>
<td>ORY-ORD</td>
<td>767-300</td>
</tr>
<tr>
<td>AA42</td>
<td>ORD-ORY</td>
<td>767-300</td>
</tr>
<tr>
<td>AA44</td>
<td>JKF-ORY</td>
<td>767-300</td>
</tr>
<tr>
<td>AA45</td>
<td>ORY-JFK</td>
<td>767-300</td>
</tr>
<tr>
<td>AA46</td>
<td>ORD-LHR</td>
<td>767-300</td>
</tr>
<tr>
<td>AA47</td>
<td>LHR-FRA</td>
<td>767-300</td>
</tr>
<tr>
<td>AA48</td>
<td>DFW-ORY</td>
<td>767-300</td>
</tr>
<tr>
<td>------</td>
<td>-----------</td>
<td>---------</td>
</tr>
<tr>
<td>AA49</td>
<td>ORY-DFW</td>
<td>767-300</td>
</tr>
<tr>
<td>AA50</td>
<td>DFW-LGW</td>
<td>MD11</td>
</tr>
<tr>
<td>AA51</td>
<td>LGW-DFW</td>
<td>MD11</td>
</tr>
<tr>
<td>AA54</td>
<td>ORD-MAN</td>
<td>767-300</td>
</tr>
<tr>
<td>AA55</td>
<td>MAN-ORD</td>
<td>767-300</td>
</tr>
<tr>
<td>AA56</td>
<td>MIA-LHR</td>
<td>MD11</td>
</tr>
<tr>
<td>AA57</td>
<td>LHR-MIA</td>
<td>MD11</td>
</tr>
<tr>
<td>AA62</td>
<td>MIA-ORY</td>
<td>767-300</td>
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<td>AA63</td>
<td>ORY-MIA</td>
<td>767-300</td>
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<td>AA64</td>
<td>JFK-ZRH</td>
<td>767</td>
</tr>
<tr>
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<td>AA68</td>
<td>MIA-MAD</td>
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<td>AA69</td>
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<td>AA70</td>
<td>DFW-FRA</td>
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<td>AA71</td>
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<td>AA81</td>
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<td>AA88</td>
<td>ORD-BRU</td>
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<td>AA89</td>
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<td>AA95</td>
<td>MXP-ORD</td>
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<td>AA96</td>
<td>ORD-MXP</td>
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<td>AA100</td>
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<td>AA106</td>
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<td>AA108</td>
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<td>AA109</td>
<td>LHR-BOS</td>
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<td>MIA-FRA</td>
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<td>AA115</td>
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<td>LHR-JFK</td>
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</tr>
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<td>AA146</td>
<td>BOS-ORY</td>
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<td>AA147</td>
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<td>AA155</td>
<td>LHR-BOS</td>
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<td>AA156</td>
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<tr>
<td>AA173</td>
<td>LGW-RDU</td>
<td>767</td>
</tr>
<tr>
<td>AA174</td>
<td>RDU-LGW</td>
<td>767</td>
</tr>
</tbody>
</table>

Thanks to the very few who took the time to contribute information to this month's column, and from Tony and Peter: HAPPY HOLIDAY's!

73 and good DX

---

ask wun

mark schoonover - ka6wke

e-mail: schoon@cts.com

snail: 9802 medina drive, santee, ca 92071

117.0095w 32.8527n

---
Welcome to another Ask WUN column. There were some good submissions this month -- please keep them coming! Thanks go out to: Robert Thompson, Michael Liss, Nino Porcino, Tom Davies, and Richard & Shelly Bozovich for their submissions.

<< From Last Month >>

Computer generated RFI was a hot topic last month. I have also suffered from the same problems -- only to totally eliminate RFI from my station. Tom Davies <tom@fylde.ru.ac.za> writes:

Hi Mark,

I enjoyed your first column ASKWUN and found it really helpful and interesting. I'll be getting the Email and comprfi files! Looking forward to more of the same in the future, and wishing you every success.

Tom Davies

Thanks Tom! Getting feedback about this column is very important to me. Good or bad, please let me know what you like or dislike. So you're probably wondering how I accomplished this. Well, simply put, it's all in the antenna! Yes, time and time again, as radio hobbyists, we are constantly told the antenna is the most critical part of the hobby. Eliminating computer generated RFI by the proper installation of your antenna. So what is proper installation?? For an excellent discussion on wire antennas and their installation, point your web browser to:

The Nordic Shortwave Center -- http://sds.se/org/swl/antenn/feed1.htm

I installed a 350' inverted L antenna following the guidelines on this site. By moving the feedpoint about 35' from any buildings, I now have noise free reception. Some people will argue that you'll also need a transformer of some kind for wire antennas. I don't have one on this antenna, but I built one following the directions. I do suffer from rain and high wind static -- so I'll be installing this transformer soon. I'll let you know the results.

"Wait a second Mark -- I don't have the space to move my feed point from its current location!", you're saying. The best advice I can give someone in this scenario is to not respond too fast by saying this. Take the time on a clear day and walk around your property. Make a 'birds eye view' drawing of your land using graph paper. Put all buildings, trees and other obstacles on this paper in relative positions and distances from each other. You just may be surprised at the results!

<< Nifty NRD Tricks >>

Robert Thompson <rcthompson@kilgore.net> writes:

TO all S35d owners some info you can use.

(1) turn your radio on.
(2) press freq button + 9999999 press Ent/khz
   Button.
(3) This will light up entire rcvr display, this may not
   work with the 1ST few models of the 535.

Happy Holidays
Robert Thompson

Interesting information Bob! Here's some more receiver tricks that I know. For readers that have a Sony Direct Satellite System, on your remote, enter the following digits -- 5551212 -- and hit the command key. The receiver will display all of the developers of the system. Also, on most Sony televisions, enter the following digits -- 777 -- and hit the enter key. This will switch the television into display mode, similar to what you'd see at a
Michael Liss <liss@alpha.fdu.edu> needs some assistance on purchasing the RS DX-394:

Hello wunners!

I will soon purchase Radio Shack's DX-394. I currently own DX-390. Is it worth it? What advantages does it have over DX-390.

Michael

Well, I don't have any experience with the Radio Shack products. If any reader happens to have some thoughts and can send them our way, please do! Michael and I look forward to hearing from you.

Richard and Shelly in Iceland need some input on the Sangean reel antenna:

From: "Richard & Shelly Bozovich" <richboz@mwr.is>

I ordered a Drake SW-8 from UNIVERSAL Radio December 7th. Needless to say, I am anxiously awaiting it's delivery. Once I receive it and get set up, I will return to actively participating with the WUN group.

In the mean time, I have two questions.

a. As I live in government housing, I have ordered a Sangean portable shortwave antenna (reel) to use with my Drake. An outdoor antenna is out of the question due to the fashion police and the high winds. Is this a good antenna? Does anyone have any experience with it?

b. Does anyone have any comments on the Drake SW-8? Good/Bad/Indifferent?

Please reply directly to richboz@mwr.is as I am subscribing to the digest only at this time.

Richard and Shelly -- I'm also in the same boat here as the Radio Shack products. I'm sure some reader has one of these antennas and may be willing to send a line or two about its performance.

<< Sound Blaster Programming >>

Nino writes needing assistance in programming his sound blaster card to decode the various digital modes:

From: Nino Porcino <m.caruso@netline.totobit.it>

Hi Mark,

Here I am with a question for the "ASK WUN" column.

I'm an UTE listener and also a computer programmer. Recently I learned how to read the audio from the computer soundcard so I would like to make some sort of software for decoding digital signals on HF. I already made a CW decoder and now I would start with something like a FAX or RTTY/SITOR decoder. The problem is I don't have any kind of technical information about digital transmissions. So it would be nice if someone of you wUNNERS could help me on finding some type of source (books/internet files/web sites/and so on). I'm looking also for DSP filtering techniques.

Thanks in advance, -- Nino

Nino, one of the best places to start is on the WUN WWW site. Take a look at the Digital Frequently Asked Questions. DSP techniques are an entire
industry within itself. I don't know how well a sound card would perform in this area. A dedicated DSP chip from one of the major chip manufacturers would probably be better. They include all of the low level debuggers, assembly language reference manuals, and usually in depth set of examples. Not for the light hearted that's for sure! Report back with what you've done and I'm sure we could find a pool of testers to assist in the development.

<< Ask WUN For Sale >>

From: Stuart Mcmurtrie <smcmurtrie@uk.b-r.com>

I have the following for sale:

2 X Ex British Army, PRC-316 covert txcvrs. Type once used by the Parachute Reg't & the SAS. CW primary (key built into unit) with AM wide-band voice secondary. X-tal controlled. 2 to 7 MHz in 45 chan's. 12v operation. With Clansman Headset & Boom Microphone. 120 UKPounds each or 200 UKPounds the pair.

1 X Magellan GPS2000, Hand-Held GPS system. Used only a couple of times, with OSGB, As new, Boxed 150UKPounds (or make me an offer).

Stuart.
smcmurtrie@uk.b-r.com

So, this closes out another month of the Ask WUN column. I hope everyone has a happy holiday season!

73's and good monitoring.....

===========================================================================
# DIGITAL REVIEW #
[ editor: Ary Boender ary@bitbike.com 2:283/512.24 ]

Happy Xmas and a great new year to y'all folks! Mike Chace sent me the results of many months of monitoring. He copied an offshore network that is related to the one I reported in April last year and where I mentioned this net briefly, he examined it down to the last detail. It's a beauty Mike! Further we have the diplo corner and two press items. Next month is our birthday and we want the anniversary edition of the newsletter bigger than ever, so flood my (eh)mailbox with your news, info, logs and everything else that you want to share with the WUN family. Mike's story is a perfect example. It doesn't have to as large as that article so, come on, write you findings down and ship them to me!

Diplo Corner
----------
- First the schedule for the next two months:
  January  -> Algeria, Congo and France
  February -> China and Ethiopia

Should you have any info that you wanna share about diplo stations of these countries, please send them to me. My addresses are in the header.

I am especially looking for Chinese sample messages.

- Where is PCW? MFA the Hague and embassies were rarely heard during the past few months. The latest -unconfirmed- news is that they moved to satellite.
- Angola: I searched and asked around, but no-one seems to have anything on Angola's diplo comms, except for 3 freqs: 9942, 17458 and 22848 kHz
- India
  o Country profile.
  India measures 3,287,590 km2. The capital of the republic India is New Delhi. India is divided into 25 states and 7 union territories. States: Andhra Pradesh, Arunachal Pradesh, Assam, Bihar, Goa, Gujarat, Haryana, Himachal Pradesh, Jammu and Kashmir, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Manipur, Meghalaya, Mizoram, Nagaland, Orissa, Punjab, Rajasthan, Sikkim, Tamil Nadu, Tripura, Uttar Pradesh and West Bengal.
Union territories: Andaman and Nicobar Islands, Chandigarh, Dadra and Nagar Haveli, Daman and Diu, Delhi, Lakshadweep and Pondicherry.

The MFA in India is called the Ministry for External Affairs 'MEA' and an embassy is know as a 'High Commission'.

India's defense forces include Army, Navy, Air Force, Security or Paramilitary Forces, Border Security Force, Coast Guard and Assam Rifles.

Notes on operation:
- New Delhi uses callsign of 8WD plus a number indicating the station being worked except for the New Delhi/Male link.
- All traffic is in English, with some 5L groups, and is usually short; the receiving station is off air when copying traffic.
- On 20841.7 khz tests of new diplo net by MFA New Delhi. Using SSB, Sitor and 2400bps QPSK.
- Uses "rrrrrrrrrrrrrr" to indicate message received OK on QSX.
- Uses "ovovovovovovov" to indicate that QSX should go ahead with message.
- 2 digit channel identifiers used eg "qsy ch 53 53 53 53"
- Messages from MFA headed and signed with "foreign new delhi".
- Messages from embassies headed and signed eg "indembassy moscow".

Transmission modes used:
- ITA2 50bd 170/400/520/850Hz
- SITOR-A 100bd on the New Delhi/Male link
- FEC-100 96bd Type 6028 VFT
- QPSK 2400bps
- CW
- USB noted during tests

Frequencies:
Freqs will vary slightly from those shown
7775  10723  11147  11155  12104  12112  14785  15755
15917.8  15920  15920.5  16203.7  16372  16375  16378  16379
16412  16414.5  17535  17540  17541.5  18277.5  18285  18325
18407  18459.7  18465  18466.7  18469.3  18724.5  19003  19021
19022  19035  19052  19055  19057.5  19440  19440.6  20375
20610  20614.8  20841.7  20882.5  20885  20887  20892 kHz

MFA official callsigns
- ATP 65  MFA New Delhi
- ATP 68  MFA New Delhi

MFA callsigns and selcals used for links to the various embassies.

```
20   IND    New Delhi to Male
8WD2  XXXX  IND    New Delhi to Yangon
8WD3  IND    New Delhi to Victoria
8WD4  IND    New Delhi to Belgrade
8WD5  IND    New Delhi to Kabul
8WD6  IND    New Delhi to Port Louis
8WD7  IND    New Delhi to ???
8WD14 IND    New Delhi to Beijing
8WD17 IND    New Delhi to Thimpu
8WD32 IND    New Delhi to Hanoi
8WD36 IND    New Delhi to Phnom Penh
8WD87 IND    New Delhi to Colombo
```

Note: the 'XXXX' selcal may possibly be the general selcal for the MFA and not only for the Yangon/New Delhi link.

Embassy callsigns and selcals.

```
38   MLD    Male
8WA3  MYA    Yangon
8WA11 BHU    Thimpu
8WA23 CHN    Beijing
8WA40 CBG    Phnom Penh
8WA46 VTN    Hanoi
8WA53 SLK    Colombo
8WB1  SRB    Belgrade
8WB2  AFG    Kabul
```
<table>
<thead>
<tr>
<th>Callup</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Delhi - Thimpu</td>
<td>11147</td>
</tr>
<tr>
<td>Thimpu - New Delhi</td>
<td>11155</td>
</tr>
<tr>
<td>New Delhi - Kabul</td>
<td>12104</td>
</tr>
<tr>
<td>Kabul - New Delhi</td>
<td>12112</td>
</tr>
<tr>
<td>New Delhi - Phnom Penh</td>
<td>15917.8</td>
</tr>
<tr>
<td>Belgrade - New Delhi</td>
<td>15917.8</td>
</tr>
<tr>
<td>Moscow - New Delhi</td>
<td>15920</td>
</tr>
<tr>
<td>New Delhi - Yangon</td>
<td>15920.5</td>
</tr>
<tr>
<td>Tehran - New Delhi</td>
<td>16372</td>
</tr>
<tr>
<td>New Delhi - Yangon</td>
<td>16414</td>
</tr>
<tr>
<td>Colombo - New Delhi</td>
<td>17535</td>
</tr>
<tr>
<td>New Delhi - Colombo</td>
<td>17540</td>
</tr>
<tr>
<td>New Delhi - Male</td>
<td>17541.8</td>
</tr>
<tr>
<td>Port Louis - New Delhi</td>
<td>18277.5</td>
</tr>
<tr>
<td>Beijing - New Delhi</td>
<td>18325</td>
</tr>
<tr>
<td>New Delhi - Beijing</td>
<td>18407</td>
</tr>
<tr>
<td>New Delhi - Hanoi</td>
<td>18459.7</td>
</tr>
<tr>
<td>Hanoi - New Delhi</td>
<td>18465</td>
</tr>
<tr>
<td>Male - New Delhi</td>
<td>18466.7</td>
</tr>
<tr>
<td>New Delhi - Hanoi</td>
<td>18469.3</td>
</tr>
<tr>
<td>Yangon - New Delhi</td>
<td>18724.5</td>
</tr>
<tr>
<td>Victoria - New Delhi</td>
<td>19052</td>
</tr>
<tr>
<td>Victoria - New Delhi</td>
<td>19055</td>
</tr>
<tr>
<td>Victoria - New Delhi</td>
<td>19057.5</td>
</tr>
<tr>
<td>New Delhi - Yangon</td>
<td>20375</td>
</tr>
<tr>
<td>New Delhi - Hanoi</td>
<td>20610</td>
</tr>
<tr>
<td>New Delhi - Hanoi</td>
<td>20614.8</td>
</tr>
<tr>
<td>Port Louis - New Delhi</td>
<td>20882.5</td>
</tr>
<tr>
<td>New Delhi - Port Louis</td>
<td>20887</td>
</tr>
</tbody>
</table>

Sample message formats:

**Example 1:**

```
delhi 11147 thimpu 11155
delhi 12104 kabul 12112
delhi 15917.8 phnom penh 15917.8
delhi 15920 yangon 15920.5
delhi 16372 tehran 16414
delhi 17535 colombo 17540
delhi 17541.8 male 18277.5
delhi 18325 beijing 18407
delhi 18459.7 hanoi 18465
delhi 18466.7 hanoi 18469.3
delhi 18724.5 yangon 19052
delhi 19055 victoria 19057.5
delhi 20375 yangon 20610
delhi 20614.8 hanoi 20882.5
delhi 20887 port louis
```

**Example 2:**

```
delhi 11147 thimpu 11155
delhi 12104 kabul 12112
delhi 15917.8 phnom penh 15917.8
delhi 15920 yangon 15920.5
delhi 16372 tehran 16414
delhi 17535 colombo 17540
delhi 17541.8 male 18277.5
delhi 18325 beijing 18407
delhi 18459.7 hanoi 18465
delhi 18466.7 hanoi 18469.3
delhi 18724.5 yangon 19052
delhi 19055 victoria 19057.5
delhi 20375 yangon 20610
delhi 20614.8 hanoi 20882.5
delhi 20887 port louis
```
Markus Buttinger (markus-b@ping.at) sent us the skeds for Xinhua and MAP in Morocco. As I mentioned in an earlier edition of the Digital Review, XINHUA will discontinue their shortwave broadcasts on Dec 31, so you have only a few days left to copy them folks!

Their sked is as follows:

<table>
<thead>
<tr>
<th>Time</th>
<th>Frequency 1</th>
<th>Frequency 2</th>
<th>Frequency 3</th>
<th>Language</th>
</tr>
</thead>
<tbody>
<tr>
<td>00:30-03:00</td>
<td>9417, 9491</td>
<td>14923</td>
<td>English</td>
<td></td>
</tr>
<tr>
<td>06:30-09:30</td>
<td>14367, 14923</td>
<td>18872</td>
<td>English</td>
<td></td>
</tr>
<tr>
<td>10:30-13:30</td>
<td>10982, 14367</td>
<td>18872</td>
<td>English</td>
<td></td>
</tr>
<tr>
<td>11:30-14:00</td>
<td>17446</td>
<td></td>
<td>French</td>
<td></td>
</tr>
<tr>
<td>14:30-17:00</td>
<td>9615, 9615</td>
<td></td>
<td>English</td>
<td></td>
</tr>
<tr>
<td>15:30-18:00</td>
<td>11133</td>
<td></td>
<td>French</td>
<td></td>
</tr>
<tr>
<td>18:30-20:00</td>
<td>9417, 9491</td>
<td>9615</td>
<td>English</td>
<td></td>
</tr>
</tbody>
</table>

MAP (Maghreb Arabe Presse, Morocco) sked:

<table>
<thead>
<tr>
<th>Time</th>
<th>Frequency 1</th>
<th>Language</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00-10:30</td>
<td>18496.1</td>
<td>Arabic (except Fridays)</td>
</tr>
<tr>
<td>10:00-11:30</td>
<td>10595.2, 14760</td>
<td>French (except Sundays)</td>
</tr>
<tr>
<td></td>
<td>15654.9, 18220.9</td>
<td>&quot;-&quot;</td>
</tr>
<tr>
<td></td>
<td>18265, 18171.1</td>
<td>&quot;-&quot;</td>
</tr>
<tr>
<td>12:00-14:00</td>
<td>15654.9, 18220.9</td>
<td>English (except Sundays)</td>
</tr>
</tbody>
</table>

Pagina 1034
Persian Gulf and Indian Ocean Oil Survey, Supply and Pipe Laying Operation. by Mike Chace

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**o Frequencies.**

- 8221.5 kHz referred to by operators as "8220".
- 3291.5 kHz
- 3208.5 kHz referred to by operators as "3207" and seems to be used by the "ameera" group only

**o Modes.**

Sitor-A and Sitor-B

**o Vessels.**

The majority of vessels are chartered from the following companies:

* International Marine Services Inc, Sharjah
* National Marine Services, Abu Dhabi
* Awal Construction & Trading Co, Dubai
* Gulf Marine Maintenance & Offshore Service, Dubai
* GAC Marine, Abu Dhabi
* Al Buq Marine, Sharjah
* National Petroleum Construction Co (NPCC), Abu Dhabi
* Nico International (UAE), Dubai
* Selat Marine Service Co Ltd, Sharjah
* Whitesea Shipping & Supply Co, Sharjah

<table>
<thead>
<tr>
<th>Vessel</th>
<th>Type</th>
<th>Company</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alioth</td>
<td>tow tug</td>
<td></td>
</tr>
<tr>
<td>Al Jaber-14</td>
<td>landing craft</td>
<td></td>
</tr>
<tr>
<td>Azraq</td>
<td>supply vessel</td>
<td></td>
</tr>
<tr>
<td>CB-1</td>
<td>cargo barge</td>
<td></td>
</tr>
<tr>
<td>CB-2</td>
<td>cargo barge</td>
<td></td>
</tr>
<tr>
<td>Celina</td>
<td>tow tug</td>
<td></td>
</tr>
<tr>
<td>CP-5375</td>
<td>cargo barge</td>
<td></td>
</tr>
<tr>
<td>GAC-61</td>
<td>cargo barge</td>
<td></td>
</tr>
<tr>
<td>GAC-81</td>
<td>cargo barge</td>
<td></td>
</tr>
<tr>
<td>GAC-633</td>
<td>cargo barge</td>
<td></td>
</tr>
<tr>
<td>Gmmos Danah</td>
<td>survey vessel</td>
<td></td>
</tr>
<tr>
<td>Gmmos Lara</td>
<td>supply vessel</td>
<td></td>
</tr>
<tr>
<td>Gmmos Prince</td>
<td>tow tug</td>
<td></td>
</tr>
<tr>
<td>Gulf Wind-2</td>
<td>a/h tug</td>
<td></td>
</tr>
<tr>
<td>HLS-2000</td>
<td>h/l ship</td>
<td></td>
</tr>
<tr>
<td>John-h</td>
<td>a/h tug</td>
<td></td>
</tr>
<tr>
<td>Kyla</td>
<td>?</td>
<td></td>
</tr>
<tr>
<td>LB-1</td>
<td>?</td>
<td></td>
</tr>
<tr>
<td>Majed</td>
<td>tow tug</td>
<td></td>
</tr>
<tr>
<td>NMS-208</td>
<td>supply vessel</td>
<td></td>
</tr>
<tr>
<td>Ocean King-1</td>
<td>a/h tug</td>
<td></td>
</tr>
<tr>
<td>Ocean Discoverer</td>
<td>tow tug</td>
<td></td>
</tr>
<tr>
<td>Ocean Master-1</td>
<td>a/h tug</td>
<td></td>
</tr>
<tr>
<td>Ocean Service-3</td>
<td>support vessel</td>
<td></td>
</tr>
<tr>
<td>PLB-648</td>
<td>pipe lay barge</td>
<td></td>
</tr>
<tr>
<td>Ronja</td>
<td>a/h tug</td>
<td></td>
</tr>
<tr>
<td>Safa-245</td>
<td>cargo barge</td>
<td></td>
</tr>
<tr>
<td>Selat Tenaga</td>
<td>tow tug</td>
<td></td>
</tr>
<tr>
<td>SEP-250</td>
<td>jack-up barge</td>
<td></td>
</tr>
<tr>
<td>Sindbad</td>
<td>tow tug</td>
<td></td>
</tr>
<tr>
<td>Stinger</td>
<td>derrick lay barge</td>
<td></td>
</tr>
<tr>
<td>Tameem-102</td>
<td>cargo barge</td>
<td></td>
</tr>
<tr>
<td>Vivi</td>
<td>tow tug</td>
<td></td>
</tr>
</tbody>
</table>

Key: h/l = heavy lifting
a/h = anchor handling

Pagina 1035
wb = workboat

Selcalc.

csuq 26922  sep-350  jack-up barge  "danielle"
cviv 26050  dlb-1000  derrick lay barge  "ameera"
fdfd 88888  sep-250  jack-up barge  "layla"
fxkv
ipip 55555
kkav 23390
ptxq 15012  plb-648  pipe lay barge  "waffa"
vxuv 20120
xukt 81230  dlb-750  derrick lay barge  "deena"
yumv 17240  sep-150  jack-up barge  "jawaher"
a6kj  his-2000  heavy lifting ship  "tammy"

Companies and locations.
The main areas of operation of this network are:
1. A gas terminal construction project about 100km N of Bombay (Tapti)
2. Oil and gas terminal construction projects in the Persian Gulf

Companies and locations mentioned in dispatches are as follows:
NPCC - Mumbai (via waffa)
NPCC - Doha
ENRON - Houston
EMRON - Dubai
ENRON - Mumbai Tapti field (mumbai - india)
Abu Dhabi
U.A.E. Sharjah
U.A.E. Mussafah
Arcadial Shipping
Port Said
Qatar Ras Laffan
U.A.E Free Port
Qatar Mannai marine jetty
Total abk field "00 complex"
ABB global engineering - Das
U.A.E Umm Shaif field  Oilfield, 25km E Das Island
U.A.E Das island  Small island, 150km ESE Doha
Arzanah  Small island, 150km SE Doha
Qatar / north field
Qatar / m.m. field (ps2)  Maydan Mahzam Oilfield, 10km SE Halul
Qatar / Halul  Small Island, 150km NE Doha
U.A.E./ Zakum field  Oilfield, 75km NW Abu Dhabi
U.A.E / Zirku anchorage  Az Zarqa island, 25km SSE Das Island
Umm Said Jetty, Doha
Doha port
FCSC Mussafah
Goa

NPCC = National Petroleum Construction Co, Abu Dhabi
Mumbai = Indian name for the city of Bombay
ENRON = Houston based Natural Gas corporation.
ABB = Asea Brown Boveri Co.
Total = Total Oil Co.

Method of Operation.
Waffa "waffa radio room" handles traffic to and from ships in each operational area. Each operational area appears to have a lead ship through which all traffic is routed. The lead ships and their corresponding areas of operation are as follows:

SEP-150  UAE total abk field
SEP-250  adgas das island jetty refurbishment
SEP-350  total - abk - abu dhabi, UAE total abk field
HLS-2000  Qataer m.m. (Maydan Mahzam) Field (ps2)
DLB-750  India Tapti Field (20.31.562N 72.06.413E)
DLB-1000  UAE Umm Shaif Field
NMS-208  UAE Umm Shaif Field
Supplementary Information.

India. An ENRON affiliate signed a 20-year power purchase agreement with Maharashtra State Electricity Board in December 1993. The contract supports the first phase of an approximately 2,015 megawatt gas-fired power plant and related facilities, which will ultimately include a liquefied natural gas (LNG) terminal and harbor development near Dabhol, which is approximately 100 miles south of Bombay. Enron's proposed partners in the two-phase project are affiliates of General Electric, which is supplying equipment and is expected to acquire a 10% equity interest, and affiliates of Bechtel, which is the contractor and also is expected to acquire a 10% equity interest. Enron plans to reduce its current 80% equity interest to a 50% interest at final closing, which equates to an equity investment of approximately $135 million. Construction of the 695 megawatt first phase is expected to begin in 1994 and includes harbor development, fuel facilities, housing and related activities necessary to complete this project. Once the LNG supply contracts are obtained, the 1,320 megawatt second phase addition will be constructed.

EOG (Enron Oil & Gas Co) continues to pursue other selected opportunities outside North America. EOG currently is actively involved in an effort to obtain joint venture concessions involving two oil fields (Panna and Mukta) and one natural gas field (Tapti) offshore India in the Bombay High area.

Messaging.

From about 1900UTC daily, Waffa polls each lead ship/operational area e.g. "sep250" for traffic. This seems to be controlled via a mailbox/telex type system. Each lead ship wishing to transmit a message to Waffa appears to send the standard maritime 5 digit translation of its selcal followed by its location code e.g. sep250. As an example: $88888 sep250 where "88888" is equivalent to selcal FDFD, corresponding to lead ship SEP-250, a jack-up barge operating in the Das Island jetty refurbishment project.

Following this logic, the selcal PTXQ appears to belong to Waffa which would indicate that Waffa is the aka (code name) for PLB-648, a pipe lay barge currently idle in Mussafah. The exception to this rule appears to be lead ship HLS-2000 aka "tammy" which always logs on to the system as "a6kj hls2000" rather than by selcal as above.

After connecting to Waffa as above, the lead ships send messages to Waffa headed: "Deena", "Jawaher", "Tammy", "Danielle", "Ameera" or "Layla". The lead ships, together with the appropriate locations, and their flotillas are as follows:

Deena: (DLB-750, for "enron - mumbai", India Tapti field)
DLB-750, Stinger, Ocean King-1, Gmmos Duke, Safa-255, Gmmos Danah, Project Trader, Alioth, Alkaid, Safa-245, Nico Glad, CP-5375, Selat Tenaga, GAC-63, Martha, CB-i-111, Ocean Knight, GAC-81, Majed, Gmmos Champ, CB-iV, Celina

Jawaher: (SEP-150, UAE Total ABK field gas project "00 complex")
SEP-150, Kyla, Azraq, Willie

Layla: (SEP-250, for "adgas" Das island, jetty refurbishment project)
SEP-250, Sindbad, Gmmos King, Ocean Service-3, Ocean Master-1, Justine, Intercommander, CB-v, Tameem RB-101

Danielle: (SEP-350, for Total ABK Abu Dhabi, Total ABK field gas project)
SEP-350, Azraq, Gmmos Lara, Ocean Master-1, Ocean Pioneer, Gmmos Prince

Tammy: (HLS-2000, Qatar m.m Field (ps2), for "a6kj hls-2000" Al Mannai)
HLS-2000, Gulf Wind-2, Vivi, Osa Trieste, Lamtide 301, GAC-61, Pagina 1037
WUN-v02
Ocean Pioneer, Ocean Discoverer, Tameem-102

Ameera: (DLB-1000, UAE Umm Shaif Field and UAE Zirku) 
DLB-1000, John-H, Ronja, CB-i, CB-ii, Gmmos Power, Conco-iii, Gmmos Prince, Intercommannder 

????? (India, Hazira) 
LB-1, Shahrazad, Gmmos Knight 

????? (Qatar North Field) 
Scorpio del Golfo 

????? (NMS-208, UAE Umm Shaif) 
NMS-208 

????? (NMS-209, Zakum Field) 
NMS-209 

o Example message (this kinda messages and position reports are transmitted regularly by all lead ships).

+?
$q w w a f f a
+$
ptxq ptxq ptxq ptxq ptxq ptxq ptxq ptxq ptxq ptxq
$ 
d e e n a

---------
29/10/1996
den/299/mo/fe/kmj/enrn

to : enron - mumbai (via waffa)
fax no. 0091-22-839-5182 / 839-5201.

attn : mr. .......

---
copy : mr. .......
copy : mr. .......

subj : odag daily vessel report from dlb-750 on 29/10/96

--- -------
vessel name : dlb-750
vessel type : derrick lay barge

a) position as on 0700 hrs : tapti field
b) future intention and passage particulars : 18'' pipe laying at tapti field
c) nature of work undertaken in last 24 hrs : wx s/by
d) nature of work intended in next 24 hrs : 18'' pipe laying
e) change / replacement in any crew members : nil
f) movement particulars of crew members : nil
g) any other information of interest : nil

vessel name : ocean king & dmmos duke
vessel name : anchor handling tugs

a) position as on 0700 hrs : tapti field
b) future intention and passage particulars : anchor handling for dlb-750
c) nature of work undertaken in last 24 hrs : running anchors
d) nature of work intended in next 24 hrs : assist dlb750 in positioning
e) any change / replacement in any crew members : nil
f) movement particulars of crew members : nil
g) any other information of interest : nil

vessel name : gmmos champ + c/b cb-iv
vessel type : tow tug / cargo barge
a) position as on 0700 hrs : e/r to abu dhabi
WUN-v02

e.t.a - 29/10/96
b) future intention and passage particulars: under tow to auh
c) nature of work undertaken in last 24 hrs: under tow to auh
d) nature of work intended in next 24 hrs: under tow to auh
e) change/replacement in any crew members: nil
f) movement particulars of crew members: nil
g) any other information of interest: nil

vessel name: project trader
vessel type: landing craft (loaded with spare stinger)
a) position as on 0700 hrs: tapti anchorage
b) future intention and passage particulars: stand by
c) nature of work undertaken in last 24 hrs: stand by
d) nature of work intended in next 24 hrs: stand by
e) change/replacement in any crew members: nil
f) movement particulars of crew members: nil
g) any other information of interest: nil

regards,
sup'd't/fe/ch.clk
dlb-750
nnnn

PFRE and other stuff
----------------------------------
Remember I asked about PFRE last month? Well, although I haven't got detailed info, I do know that the transmissions come from Hungary and that either the MOI or Border Forces are the users. Normally the callsigns change after a while but for some reason the YYYY and PFRE callsigns have remained the same for 2 years now.

A similar 50bd baudot station from the Czech Rep. (Prague) is currently on 2512 kHz. The station uses 5 different callsigns and sends its callsign 3x plus a bunch of RY's every 15 minutes. The callsign changes every hour for 5 hours and then reverts. The carrier is non-stop on the air. I guess that the transmissions are not computerized because sometimes the pause between two transmissions is longer than 15 minutes - even up to 30 minutes- and the callsign sometimes changes after 1 1/2 hour instead of 1 hour, but in general the 'normal' procedure will be followed. The callsigns used at the moment are I6DH, TLXD, T2XS, ICMR and XN2B. Possibly this station changes frequency and callsigns from time to time as last month a station using exactly the same procedure was copied on 2257.9 kHz. It used the following callsigns: Kw4R, CLX7, HZ6Z, MHTL and E4BK. The latter freq is silent now while 2512 was silent last month. For that reason I think that this is the same station.

Right, that's all for now. Have a wonderful time. See you all next year!

THE WUN MILITARY COLUMN
Editor: Paul Jones
14, Waterson Croft, Chelmsley Wood,
Birmingham B37 6TU, England
Email: paul@termcon.demon.co.uk
IRC: #WUN #Monitor - Paul_J
Pagina 1039
Hi MariWUNNers

What better for Christmas than a bumper bundle.

QTC list:

- Abuse in GMDSS communications
- Frequency lists, UKHO and ALRS
- Non-paired ship telex (introduction)
- Non-paired ship telex (12 mhz - 34 channels)
- St Lys/FFL
- Norddeich/DAN + Rugen/DHS
- Station overview
  - St Petersburg Radio/UGC
  - Mobile Radio/WLO
- Grandeur of the Seas
- Shipping snippets

Abuse in GMDSS communications

September time I think it was when I posted a string of distress alerts from a GMDSS HF DSC channel and this was followed by a like posting from Ed Deasy in late October. A subsequent posting by Glenn Dunstan led me to do some daily monitoring to disc of said channels whilst I was at work.

But before we start let's take a brief look at WHAT SHOULD HAPPEN.

The purpose of the Global Maritime Distress and Safety System GMDSS communication procedures is to use exclusive HF digital selective calling (DSC) channels as one of the means of ship to shore ALERTing.

Ship goes into distress state for whatever reason. She wishes assistance and sends an ALERT. This would be done on one of the five HF bands with 8414.5 khz being a likely first choice.

How done on HF (there are other alternatives)? A distress ALERT is sent in the form of a short DSC packet whose format contains the following information:

- Format specifier: DISTRESS
- Self identity: Ship's 9-digit MMSI number
- Nature of distress: One of ten defined definitions eg Fire or sinking or collision etc
- Distress coordinates: Ship's position
- Time: Time position was valid
- Telecommand/subsequent communication: Mode and frequencies for subsequent communication.

Which freq on HF?

(MF) 2187.5  (HF) 4207.5  6312  8414.5  12577  16804.5 khz.

These have been designated internationally as to be "used exclusively for distress and safety calls using digital selective calling" in accordance with various World Administrative Radio Conference for the Mobile Service 1987 (WARC Mob-87) agreements and part of the ITU Radio Regulations as they
address GMDSS.

The ship would choose one of these for its initial call bearing in mind the time of day and the distance it is from likely recipients.

Who is listening?

a. Coast stations - Those assuming a watch keeping responsibility in the GMDSS will maintain a watch on the above frequencies and for the periods of time as indicated in the information given in the ITU List of Coast Stations.

To date a number of stations are operational in monitoring the HF frequencies (more are planned) and these are:

Lyngby, Barcelona, Piraeus, Teneriffe, Las Palmas, Tema, Capetown, Hong Kong, Tokyo, Perth, Sydney, Argentina, Boston.

There are too many to list who are monitoring 2187.5 khz.

b. Ship stations - with the full implementation of GMDSS ship stations (I am assuming those making ocean passages without going into an explanation of areas) amongst other frequencies must maintain a continuous watch on 2187.5 and 8414.5 khz plus on at least one other from the remaining four of the above list, appropriate to the time of day and the geographical position of the ship. This may be by means of a scanning receiver.

Scanning receivers will sample all frequencies in under 2 seconds, the DSC packet itself having a long entry sync pattern allowing the receiver to stop scanning on receipt and decode the subsequent data.

The ship sends a DSC ALERT - what happens next?

All ships receiving the distress ALERT should note the information received, consider it in regard to their own position and ability to give assistance. They should NOT acknowledge but wait for at least three minutes for a coaststation to acknowledge.

All ships (the ship in distress/ships receiving the ALERT) should prepare for subsequent distress traffic by retuning to the distress traffic channel. This will normally be the RT channel associated with the band where the ALERT/acknowledgements were passed. Eg if the DSC ALERT was sent on 8414.5 the normal distress traffic channel would be 8291 khz USB simplex where the ship in distress would initial traffic with a MAYDAY RT call.

The ship in distress should normally receive an acknowledgement from a monitoring coaststation in the form of an ALL SHIPS message which also indicates to other ships that the shore authorities are aware of the casualty.

The purpose behind this is that the ship in distress can initially ALERT the shore authorities who can acknowledge the ship. They (the shore authorities) can assume search and rescue (SAR) responsibilities for the ship (assuming it is in their area), or transfer that responsibility to the appropriate SAR regional control centre (RCC). Since we are dealing with a simplex channel as far a ship and shore is concerned those ships receiving the ALERT hold off acknowledging for this period to permit time for a receiving coaststation to acknowledge or the ship in distress to make single or multiple frequency ALERT attempts.

In normal conditions this is the end of the ALERT phase. Procedures are in place should a coaststation not acknowledge the ALERT but that is beyond the scope of this article.

So back to the problems.

Ed on the 22/Oct posted a series of GMDSS DSC packets monitored on 8414.5 khz. The first was a Distress call from a Panamanian ship (MMSI suggests Atlantic Highway/3FHB4 or Azalea Ace/3FAL3 in position 0.20S 2.00W. Four ships acknowledged/relayed to ALL SHIPS within 3 mins the latter three
WUN-vO2

obviously having picked up the acknowledgement of the first as they all had the same incorrect Longitude of 802.00W.!!!! 8 mins after the ALERT Sydney Radio acknowledged with the correct position i.e. same as Ed whose decoder had indicated no checksum error on the packet. The ship position was in the Ghana's SAR region – I expect Sydney would have informed them by telex of the casualty. Four further Distress Relay and Distress Acknowledgements were sent by ships to ALL SHIPS after the end of the ALERT phase.

The following day Glenn posted as follows:

"This is a GRAPHIC illustration of what is wrong with the GMDSS ....

The GMDSS rules for use of the DSC state that a ship receiving a DSC distress alert on the HF DSC channels (ie above 2 mhz) is NOT to relay it to all ships, but to a specific coast station. As you all saw, we had ships (with either poorly trained operators, or operators with NO training) relaying messages and acknowledging left right and centre. The biggest irony is that the original call was probably as mistake anyway and the position was most probably wrong.

We receive a false distress alert at Perth and Sydney radio on DSC at least once every two days. The false alert rate with DSC is more than 98 (yes, 98) percent.

DSC is becoming an end in itself - it is really supposed to be a paging system, and all users are SUPPOSED to get on to the radiotelephony channel for the band in use ASAP. In this case, the ship in distress (?) should have sent his alert, then changed to 8291 kHz USB and sent a voice MAYDAY message.

This plethora of traffic from other ships (who are supposed to shut up and listen..) is seriously clogging up the DSC system and fostering extreme skepticism amongst SAR authorities."

Ed in a reply to Glenn and myself rather pessimistically observed "An unfortunate notion that has been circulating is that it is a way to replace a Radio Operator. Of course, this will eventually result in someone needing to replace an entire ship". I trust not Ed.

The above indicates lack of or poor training, but this is not the only thing. Subsequent to the above postings/exchanges I have carried out quite a few monitoring sessions lasting often 10-12 hours on different bands.

As a result the following observations are made.

1. 30 to 40 packets can be received over 10-12hours.
2. In these a very small percentage is Distress + Safety related.
3. The majority is intership calling by DSC.
4. Some are testing equipment by interfacing with a coaststation.

These channels as stated above are to be used EXCLUSIVELY for Distress and Safety purposes. So these calls are starting to interfere with what should be an otherwise clear channel. As time progresses more people will do this and problem will worsen.

In each band there is provision for a simplex frequency for D + S use and three pairs of duplex frequencies for Ship/Shore DSC calling (I don't know of any coaststation with active DSC facilities for public correspondence). There is none provided for intership DSC calling. Those ships monitored are using the fact that the called ship has a scanner running round the D + S DSC channels.

These ships are difficult to identify. Trying to use the ITU database on the web soon shows that not many of the MMSI numbers seen can be resolved into Ship names/callsigns. In fact delving into my reference – a weighty tome called the GMDSS Handbook published by the International Maritime Organization (IMO) – I see a sub-committee noted that the ITU listing of MMSIs was not up to date and that consequently RCCs where
having difficulty in identifying ships in ALERTs. The committee was urging Administrations in effect to get a move on. This was dated Jan 94!!!! Glenn assures me Australia is not in this category.

The same operators are either poorly trained or just blatantly ignoring the radio regulations. This is further indicated by the frequencies being suggested for subsequent communication often being non-authorized as far as frequency or mode is concerned within the maritime service.

One packet, non-distress was seen coaststation to coaststation with Italian MIDs in the MMSI - this can logically be narrowed to either Rome or Genoa Radios.

Live testing is permitted with a coaststation provided the Category is SAFETY and the Telecommand is TEST. Too many were incorrect.

Will the situation get better ? - not for a while. My tome gives another insight. Sub committee session in January last year noted that only a small proportion of ships had converted for full GMDSS implementation. In spite of this they understood that certain shipowners or ship operators would not convert their ships until closer to the deadline of 1 Feb 99. Japan Radio Company's submission indicated that an extremely congested retrofit of GMDSS ships would occur at about 1.5 years before the deadline. Manufacturers are advising administrations that excessive stockpiling before then could not be afforded.

In the case of training the committee indicates that at GMDSS implementation all deck officers be properly certificated for GMDSS. Worldwide the number is estimated to be around 250,000. This means training 4000 persons every month over the next five years worldwide!!!

More views next month from Sweden on the subject - watch this space.

++++++ Frequency lists, UKHO and ALRS

How often has one seen the comment "If only the frequency lists were more up to date'.

We all use various frequency lists covering a broad ground - I see Ferrell's CFL/9, Klingenfuss's Utility 96, Radiofax 95 and Radio Data Codes, Brannolte/Siebel's Spezial-Frequenzliste 96 and SEEFUNK, Spa Publishing's Short Wave International Frequency Handbook, Ontario DX Association's Aeronautical Communications Handbook (HF Edition) to name but a few adorning my bookshelves.

Some of these are published annually with others less frequently, some only on a one-off basis.

Within these periods, even annually, a lot can and does change. We will be aware from own workplace how the rate of change affects our every daily function. One is frequently harangued about "managing change". The production of frequency lists is no different. Let's consider the causes of change affecting these lists.

Automation of telecommunications systems (Telex replacing labour intensive (CW) methods), remoting of systems (coast stations being controlled from a central point, change of procedures (GMDSS), use of satellites. These are medium/longterm changes. In the short term we have the rise/fall of telecommunications demands internationally where we have crisis in the forms of manmade (bush-wars) and natural disasters. Various services have seasonal variations due to propagation and the rise/fall due to commercial demand.

The integrity of the above documents must therefore depend on the quality of input (skill and number of contributing monitors, and sources of information), the work carried out in producing said document and the period between editions.

For the commercial community even this might not be enough. Here we move to Pagina 1043
the specialization of documents for the service concerned. In the aero world (of which I admit to having little knowledge) there are various supplements to flight documents. The maritime communications world is served by professional documents produced by various national administrations; in the UK it is the Admiralty List of Radio Signals produced by the UK Hydrographic Office (UKHO) at Taunton in the West of England.

I was delighted to visit the UKHO to meet the ALRS editors at the beginning of November. Before I deal with their work let me have the UKHO speak for themselves as an organization:

"The UK Hydrographic Office is a Government Agency responsible for meeting the national need for hydrographic products and services which contribute to safe and effective navigation at sea. Our products also contribute to the protection of the marine environment and help international maritime trade. We are an organization with a truly international outlook, working with other hydrographic offices around the world to ensure that the mariner has access to all the available information essential for safe navigation.

Although it is perhaps best known for the renowned series of Admiralty charts and associated publications, the UKHO is also developing a range of digital products designed to meet the needs of the navigator of the future. ARCS, an electronic facsimile of the Admiralty chart, is the first of these products. An increasing number of manufacturers are now incorporating ARCS data in systems ranging from laptop PC's to integrated bridge equipment. We also plan to introduce an Electronic Navigational Chart (ENC) Service in 1997, which will provide the navigator with the additional capability of interrogating and layering the charted data."

Their products, available in the UK and internationally through a network of Admiralty chart agents, consist of ARCS, Admiralty charts, publications (Sailing Direction, Lights, ALRS, Tidal to name but a few) together with Weekly Notices to Mariners, Wreck information etc.

ALRS is managed by a small team of 8. There are currently 6 Volumes.

Vol.1(2 parts) Coast Radio Stations
Vol.2 Radio Navigational Aids, Electronic position fixing systems and radio time signals.
Vol.3(2 parts) Radio weather services and Navigational warnings
Vol.4 Meteorological observation stations
Vol.5 Global maritime distress and safety system
Vol.6(3 parts) Vessel traffic services, Port operations and Pilot Stations.

Over twenty five years ago when I was last at sea the books were published on a basic 2 year basis, and A5 in size. Today they are issued (bar Vol.4) on a yearly basis, are A4 in size and multi-part (each an individual document) as required - much better for managing corrections.

Corrections are provided weekly and form Section 6 of the Admiralty Notices to Mariners. This document is free of charge.

Each volume above is managed by an individual Editor. The Editor has to sift through a great deal of information which continually passes over his/her desk. This information comes automatically on a regular basis from other hydrographic and telecommunications administrations, from reading of like documents from other administrations, not always in English, and not always in a comprehensible format.

Another source of information comes from ships themselves, and occasionally other observers, where an error, change or existence is noted. This then is cross referenced with other input against the same station. If necessary the Editor tries to make suitable contact by telephone, fax, or telex with the appropriate administration - not always an easy task - some administrations need to have the relative information pried out of them. A skill in getting information as an editor here appears to be helped by building a network of contacts.

Once the need for a correction is established that correction is assembled
in a word-processor thereby entering the typical publishing production chain
with all the other corrections for this series and other documents.

In addition to this work the actual layout and provisioning of data within
the volume is given continual assessment with a view to improving the
overall structure of the next release commensurate with views being fed back
from users. For example in Volume 3 which gives details of weather
broadcasts, maps are now being added showing the areas covered by certain FAX
charts previously only listed as lat/long in the map index, and the Schedules
are now given by grouping the chart type with it's times of transmission. One
might only be interested in surface analysis - times for that are immediately
seen without having to run down a long chronological list weeding out surface
analysis.

These books of course are more than just a frequency list but are specialized
commercial working documents giving details of times, frequencies, watch
keeping practices, areas covered etc, etc, etc. For the average monitor they
may be expensive (approx 20 UK pounds per document). For myself as Nautical
News editor I see it as a good investment (I have Vols 1/3/5 - a valuable
research tool in writing the column and answering WUNners queries (barring
QSL addresses)) and one which is being brought up to date as much as is
humanly possible on a weekly basis.

My thanks to my host Martin Travers and to his sectional colleagues at UKHO
for a most enjoyable visit and chat.

++++++ Nonpaired ship telex (introduction)

In each of the maritime bands is a section of frequencies allocated to
non-paired (independent) use by ship station. These are not part of the
duplex pairing system which is limited to ship/shore arq (SitorhA) system
for fully automatic operation. These channels are used for ship/shore use
(typically Russian ships to coaststations using either arq or rtty),
intership working arq or rtty, ship broadcast (typically Filipino ships
relaying news from Manila using SitorhB (fec). Also naval ships using an
online encrypted mode (typically 75bd/850hz with 64 reversals (ry's) lead
in).

In the next few months the column will have a table of one of the bands
non-paired ship telex section with currently known information. The intention
is to highlight the USE being made of these channels. ie modes logged, and
use made of or to whom. Also whether third-shift Cyrillic (3sc) is employed.
This exercise tests patience and detective skills.

Log as usual, but where you can add to the table email me direct for
updating. This month's table for 12Mhz follows. Next month will be
8 Mhz 36 x 0.5khz channels 8396.5-8414 kHz.

++++++ Nonpaired ship telex (12 mhz - 34 channels)

<table>
<thead>
<tr>
<th>Freq.</th>
<th>Modes logged</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>12560</td>
<td>150/850 encryp</td>
<td>NATO ship?</td>
</tr>
<tr>
<td>12560.5</td>
<td>fec</td>
<td>German px ended 1700z - intership?</td>
</tr>
<tr>
<td>12561</td>
<td>cw</td>
<td>Russian</td>
</tr>
<tr>
<td>12561.5</td>
<td>cw</td>
<td>Russian non-cyrillic</td>
</tr>
<tr>
<td>12562</td>
<td>3sc 50/R/170</td>
<td>working?</td>
</tr>
<tr>
<td>12562.5</td>
<td>rtt 50/R/170</td>
<td>working?</td>
</tr>
<tr>
<td>12563</td>
<td>3sc 50/R/170</td>
<td>working Kaliningrad/UIW</td>
</tr>
<tr>
<td>12563.5</td>
<td>arq</td>
<td>Goeteborg SAB63 [Maritone] [selcall QSPV]</td>
</tr>
<tr>
<td>12564</td>
<td>75/850 encryp ACF64</td>
<td>NATO ship to?</td>
</tr>
<tr>
<td>12564.5</td>
<td>3sc 50/R/170</td>
<td>working Tallinlin?</td>
</tr>
<tr>
<td>12565</td>
<td>arq</td>
<td>working? Russian language</td>
</tr>
<tr>
<td></td>
<td>3sc 50/R/170</td>
<td>working?</td>
</tr>
</tbody>
</table>

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WUN-v02

12565.5
12566 3sc 50/R/170 working Sevastopol/URL
75/850 encryp ACF64 NATO ship working?
12566.5 3sc 50/R/170 working Odessa/UI?
12567 3sc 50/R/170 working?
12567.5 3sc 50/R/170 working?
12568
12568.5 3sc 50/R/170 working?
12569
12569.5
12570
12570.5
12571 arq working Arkhangelsk/UCE [selcall KYVF]
12571.5
12572 75/850 encryp ACF64 NATO ship to ?
12572.5
12573
12573.5
12574
12574.5
cw Russian
12575
12575.5
12576
12576.5

Get the idea? Now continue the detective work to convert "working?" to a
definitive station. Thanks to John Doe, London, for some of the above and
who also noted a couple of his loggings 100hz low on channel.

+++++ St Lys/FFL

By the time this newsletter hits the streets St Lys will have ceased HT WT
services (from 16/Dec/2300z). Automatic telex services are maintained
but ship's will have no recourse to operator assistance between 2300 and
0700z. RT is only available days/evenings from 0700-2300z.

+++++ Norddeich/Dan + Rugen/DHS

The end of the month will see the final downgrading of Norddeich with the
withdrawal of its MF RT service. At the same time that of Rugen will also
cease.

++++++ Station overviews

++++++ St. Petersburg/UGC

Location: Russia at 59.59N 30.21E

WT service

Marker: "de UGC qsx 6/8/12/16 k"
QTC lists: Every OH+30 on 6425 8687.6 12693 17115
Watch keeping: Listens for calls on the active bands channel 8 from
H+05 to H+15.

3540
4315
6354
6425
6481
8575
8600
8687.5
12693
12925.5
13030
16970
17010

Listed Flb by SEEFUNK
Listed Flb by Klingenberg
Listed Flb by Klingenberg + SEEFUNK

Pagina 1046
Telex service

Station nr. 3737 --> selcal KYKY
Marker: "UGC" and tuning bursts

<table>
<thead>
<tr>
<th>UGC</th>
<th>Ship</th>
<th>Chan</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2625</td>
<td></td>
<td></td>
<td>Logged with Sitor/CW marker</td>
</tr>
<tr>
<td>6325.5</td>
<td>6274.5</td>
<td>[624]</td>
<td></td>
</tr>
<tr>
<td>6370</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8436.5</td>
<td></td>
<td></td>
<td>Note 1.</td>
</tr>
<tr>
<td>8677.5</td>
<td></td>
<td></td>
<td>Logged with Sitor/CW marker</td>
</tr>
<tr>
<td>12632.5</td>
<td>12530.5</td>
<td>[12108]</td>
<td></td>
</tr>
<tr>
<td>16846</td>
<td>16723</td>
<td>[1680]</td>
<td></td>
</tr>
<tr>
<td>19693</td>
<td>18882.5</td>
<td>[1825]</td>
<td></td>
</tr>
<tr>
<td>19734.5</td>
<td></td>
<td></td>
<td>Loged with Sitor/CW marker</td>
</tr>
</tbody>
</table>

Note 1. This is coaststation DSC calling (NOT GMDSS) channel paired with ship frequency of 8415. Not known if implemented.

Note 2. Some of the above channels will use 3SC/50/R/170, and the unlisted ship frequencies are likely to be in the nonpaired ship telex channel section of the spectrum.

RT (HF) service

Calls by prior arrangement on WT

<table>
<thead>
<tr>
<th>UGC</th>
<th>Ship</th>
<th>Chan</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>4396</td>
<td>4109</td>
<td>[414]</td>
<td></td>
</tr>
<tr>
<td>8737</td>
<td>8313</td>
<td>[807]</td>
<td></td>
</tr>
<tr>
<td>13086</td>
<td>12239</td>
<td>[1204]</td>
<td></td>
</tr>
<tr>
<td>17254</td>
<td>16372</td>
<td>[1605]</td>
<td></td>
</tr>
<tr>
<td>22732</td>
<td>22036</td>
<td>[2213]</td>
<td></td>
</tr>
</tbody>
</table>

Address:
Baltic Shipping Co.,
5 Mezhevoy Canal,
198035 St. Petersburg
Russia

Acknowledgements:
ALRS Vol.1(96/97) and Vol.3(96/97)
Brannolte/Siebel SEEFUNK
CFL/9
Klingenfuss Utility Guide 96

++++++ Mobile Radio/WLO

Location: United States at 30.42N 88.02W

WT service

Marker: "de WLO obs? amvers? qsx 4 6 8 12 16 22 mhz chan 5/6 " alt "3/4"
Traffic lists: on 4343 6416 8514 12886.5 17022.5 22487 at every H+00 using WT.
Wx: On the above freq after the tfc lists.

4250
4257.5
4343
4462.5
6416
6344
6446.5

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WUN-v02

8445.5
8473.5
8514
8534
8658
12660
12704.5
12886.5
12992
13034.9
16969
16997.6
17022.5
17173.5
22487
22686.5
22688
26123

Telex service

Station nr. 1090 --> selcal XVSV
Marker: "WLO" and tuning burst indicates frequency pair available
Traffic lists: on 4343 6416 8514 12886.5 17022.5 22487 at every H+35 using fec.
wx: On the above frequencies in fec after the tfc lists.

<table>
<thead>
<tr>
<th>WLO</th>
<th>Ship</th>
<th>Chan</th>
</tr>
</thead>
<tbody>
<tr>
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<td>4175</td>
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<td>4177</td>
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<td>[2215]</td>
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<td>22403</td>
<td>22311</td>
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Beamed tropical N Africa/W Africa

Beamed N Atlantic/W Europe/Mediterranean

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Listen out for Grandeur of the Seas the latest and largest cruise liner in RCCL's fleet, being almost 280m in length and having a 22 knot capability with a 2,400 passenger capacity. Her naming ceremony was in Miami on Dec 13 and after the party started paying her way offering a cruise itinerary giving four full-day ports of call: Labadee in Haiti, San Juan, St Thomas, and CocoCay in the Bahamas.

Sorry folks but she still doesn't pop up in the ITU MARS website. Anyone discovered her callsign yet?

+++++++ Shipping snippets

A few items - thanks to Steve Schultz (SHIPs list).

Canal rates.

On 22 Nov the Panama Canal Commission voted on 22 Nov. to increase tolls and to charge for on-deck container space. The general toll rate will
increase by 8.2% from 1 Jan 97, and another 7.5% on 1 Jan 98. The charge for on-deck container space is scheduled to go into effect 1 July 97, to allow time for firms to prepare for the new measurement rules.

The Suez Canal Authority announced on 24 Nov that transit fees for all ships travelling through the Suez Canal will remain unchanged next year. The current rates were set in 1994. Several incentives involving discounts were also announced. Maximum toll for a round-trip by any tanker, loaded or in ballast, is about U.S.$475,000, regardless of the ship's net tonnage.

Casualty summary

The Institute of London Underwriters announced on 25 Nov. that 22 vessels over 500gt were lost in the 3rd quarter, totaling more than 211,933gt. The total number of ships lost in the first nine months of the year is 75. A total of 931 people were killed or reported missing.

China to join GMDSS

China will join the Global Maritime Distress and Safety System, following the signing of a radio equipment import contract in Beijing on the 28 Nov. The U.S.$10 million agreement was signed between the China Transport Telecommunication Center under the Chinese Ministry of Communications and Japan Radio Co. Ltd. The equipment will be installed in 18 radio stations in Chinese coastal cities including Guangzhou, Shanghai and Tianjin. A satellite ground station has been set up in Beijing. The Shanghai facility will cover the area from the Bering Strait to Singapore, while other facilities will cover out to 184 kilometers/115 miles. The system will start operation in 1998 and officially open 1 Feb., 1999.

One liners (thanks to Fairplays).

Iraq has sent oil to the world market for the first time in six years.

Italian classification society RINA opened a new office in London 11 Dec to increase the flow of Italian owned ships towards offshore Red Ensign flags.

European Union environment ministers have closed a legal loophole which allowed hazardous materials to be exported to non-OECD countries.

Latest figures from the Kuala-Lumpur based Regional Piracy Centre have come under attack by the Federation of Asian Shipowners' Associations.

++++++

Wishing you all season's greetings, peace and fulfillment in the New Year.

Day.

============================================================================

New Products, Books, News and Reviews
Rick "RD" Baker, editor
1352 Cavalcade Dr., Austintown, Ohio 44515-3844, USA
utelistener@msn.com or ae411@yfn.ysu.edu

Items to be reviewed, information about new products, books, software, or events that would be of interest to the WUN membership, send them in care of this column (not via the clubs D.C. address to save mail costs)

"RD" Reviews
HOKA CODE-3 GOLD v1.1
Eagerly awaited by hobbyist all over the world, the Hoka Code-3 Gold is from Hoka Electronics of the Netherlands and is also distributed via their UK and North American distributors. Based on Hoka's Code 30 with extended DSP filtering, the new Hoka Code-3 Gold was thought to become the 'poor mans' Code 30. So I was most eager to 'rev the engine and kick the tires.' We send
WUNhv02

a BIG thanks to Jim Springer at Computer Aided Technologies, the North American Hoka distributor, for sending me the review unit without strings attached.

I used a Compaq Pentium 90 running Windows 95 (in DOS mode, see later remarks) for the evaluation along with two radios; both Icom’s, the R-72 and the R-71A. To compare performance to some degree, I used my Universal M-1000 decoder card.

SYSTEM REQUIREMENTS

Hoka Code 3 Gold will not run in Windows 95, Windows 3.1, O/S 2 or other muti-tasking environments. On my Win95 machine, I had to run it in DOS mode. Otherwise it needs an IBM PC or compatible using a 486DX/33 (or faster) processor, MSDOS v5.0 or later, and at least 640 k RAM. Of course you need an open serial port. Both VGA and SVGA monitors can be used. You will need almost 3 megs of free hard drive space for installation.

INSTALLATION

Installation of the software was easy and straight forward. The software for 'Gold' is not copy protected like that of big brother Hoka Code-3, so it may be installed on more than one machine in your shack, without fear of running out of 'installs'. The hardware set up is also fairly easy to get it down. Com ports 1 through 4 are supported. You need to select your graphics mode, com port and center frequency.

Now came the time to connect the `LF5 interface'. The LF5 looks a lot like a 9 pin to 25 pin computer cable adapter, with a 9 pin connector on one end and a 25 pin connector on the other and a wire dangling out the side for audio that requires an RCA male jack for input. It's a bit bizarre looking in that it's so small and with it's 9/25 pin ends. So I started actually having to read the manual to what went to which end. I got up to Chapter 6 in the manual and still had no clue. But if one goes on to Chapter 9 (!!!), 'General Installation', we find out that either end may be used depending on what your computer uses, and the LF5 gets plugged in right at the port. I guess the rationalization is that you will read all about Gold's operation before one tries to install it, so installation details go into Chapter 9. Right! Well silly me, I was looking for a much more complicated solution. I found the 66 page manual both helpful and a tad frustrating at times, such as finding installation details in Chapter 9 -hi! But in all fairness, there is a table of contents/index in the front of the manual that gives a reference to where things are. Just don't assume and read the whole thing carefully would be my advice. In any case, an hour later I'm plugging in my audio cable (I tried the phone plug, recorder, and audio out which all gave equal results) and I'm ready to 'Rock and Roll' as they say (well someone must have once said it!). The unit requires no power supply at all.

OPERATION

Anyone having used big brother Hoka Code-3, will find a lot of the same operations on Gold, plus a few added ones. For those having been brought up on Universal equipment, your in for what may be a learning curve.

Gold does offer an optional HF modes package. HF modes include: Annex 10 (for decoding aircraft selcal's); ARQ-6-70; ARQ-6-90/98; ARQ-E and ARQ-N (ARQ1000 duplex); ARQ-E3; ARQ-S (ARQ1000S); ARQ-SWE (SWED-ARQ); ASCII, AUTOSPEC with SPREAD 11, 21 and 51; BAUDOT (RTTY), BAUDOT F7Bbn (2 channel ITA-2 RTTY); COQUELET Mk1 and Mk2; DUP-ARQ (ARTRAC); FACSIMILE (AM/FM); FEC-A (FEC100A, FEC101); FEC-S (FEC1000S); HELLSCREIBER; HC-ARQ; HNG-FEC; MORSE/CW; PACKET (AX25); PACTOR; PICCOLO MK VI; POL-ARQ; ROU-FEC (RUM-FEC); SITOR-AUTO (SITOR-A/B or ARQ/FEC, and NAVTEX); SITOR-ARQ (ARQ or Sitor-A); SITOR-FEC (FEC or SITOR-B and NAVTEX); TDM242 ARQ-M/4-242 (ARQ-M4); TDM342 ARQ-M2/4 (ARQ-M2); TIME (DCF-77); TORG-10/11; GMDDSS and TWINPLEX.

VHF modes include: ACARS; DTFM; POCSAG/Super POCSAG; and VHF GMDDSS.

The 'tuning' of a digital signal can be accomplished by several methods. I found centering the signal on the Oscilloscope screen (F2), then going to the Auto-Analysis module, where the first screen is used for shift and baudspeed measurement, worked the best for me. One also selects the filters in this screen to reduce the bandwidth for the best signal by pressing [s] and 1 through 0, where 1 is 85 Hz, and 0 is 1000 Hz. 2 through 9 are values in between. This is true also in the decoding module (called the ASCII screen by Hoka). In Auto-Analysis, you can manually accept a suggested
mode or wait until the programs confidence level reaches a certain point and it automatically switches over to the proper decoding module. I found the shift/baud-rate in Auto-Analyses depended greatly on the strength and type of signal. Baudot was fooled on baud rate many of the times. A few weaker, but commonly found modes, came up as 'no conclusive data' in Auto-Analyses as to type of mode. The manual does point out that Gold may be fooled by weak signals and to use ones best judgement is selecting a preset baud rate. But on a good strong signal, it all clicks together and works great. On the plus side, latching onto and synching a high baud signal (over 100 baud) is far easier on Gold. The French Forces 192 & 200 baud stations for example, provided text that was 70 to 99% and the 'tuning' was fairly easy to get synch. I also decoded FEC-A, ROU-FEC, Sitor-B, Packet and Pactor with signal/noise dependent results, but getting reads on the baud rate/shift worked much better with these modes and overall the results were much better in these modes in all categories.

On the VHF side, I only played with ACARS having never seen the mode before, and found it was very simple and easy to synch up with my Realistic Proh34 scanner.

OTHER FEATURES

Gold features 'Output to Disk' in most modules, where the text is saved as an ASCII text file which then can be viewed within the program. Another neat feature is the use of the Tab key when one is monitoring a station that switches between two modes. Rather than exiting out of one modes module, and going through all the settings again to get going in the second mode, the Tab key is set up to store all the settings. Then when you hit Tab, you are actually going back to the last module used, along with all it's settings.

The Auto-Analyses and Oscilloscope modules are selectable from almost anywhere in the program using the 'hot' keys (F1 and F2).

I found the Synopsis Decoder a neat feature, where it actually 'decodes' and prints on the screen the weather in plain language from a station sending AAXX or BBXX weather transmissions. By pressing 'W' within the baudot module, you can view or save AAXX/BBXX reports from up to ten countries. These are saved on your hard drive in a .DBF data base format of 29 fields. I tried it on a fairly strong signal and the data still took a lot of hits and was disrupted. But this would be a nice feature say in Europe were these stations are strong, or when the U.S. gets converted over to WMO format.

CONCLUSION

I think a person doing a review on the Hoka Codeh3 Gold say in Europe, would be much more pleased with it due to the more constantly strong signals found there. It performs very well with a good strong signal. Overall, I'm not 'displeased'; it's an amazing bit of work. I hope the next version has some real improvements. I had hoped there would be a bigger difference in the filtering over the Hoka Codeh3. The lack of alternate alphabets for viewing, such as Cyrillic or Arabic, is regrettable but not insurmountable. Especially as a beginners unit, there is a lot to learn, and it's not something your going to pick-up in an hour (be aware). 'Gold' is classed by Hoka as an 'entry level' decoder and this is why it does not have a few features that it's 'Big Brother' has; namely alternate alphabets, cyrillic, etc. I think every decoder out there has good and bad points that one may nit at. This unit is aimed at the POCASAG and ACARS market. If you are a Code-3 (as in Gold's Big Brother) user, then you would notice several features that are not included in the 'Gold' unit with the more esoteric shortwave features included as an option. Even so, its basic package still includes more shortwave options than found on most other decoders of a similar price range with its base price of U.S.$425.00.

Gold has other strong points too, and remember this is the first version. With high baud rate signals it performs well. It's baud rates for most modes are flexible rather than having say ten preset 'commonly found' baud rates. So that one may tune a 109.5 baud Sitor-B station if you should encounter one. Upgrades can be added simply and easily by computer disk or from BBS downloads. Also, as another big plus, it has great support. Hoka Electronics (UK), (100612.725@compuserve.com) and Computer Aided Technology, the North American distributor (scancat@scancat.com), both have good reputations for support. The Hoka (UK) dealer is Multicomm 2000, Radio House, Pagina 1052
NEW PRODUCT's
Klingenfuss Publications is shipping the new combined broadcast/utility 1997 Shortwave Frequency List, their 1997 Guide to Utility Radio Stations, and the new 1997 Super Frequency List on CD-ROM. We'll take a look at these next month, along with some other goodies perhaps. Take care and have an enjoyable Holiday Season....

THE QSL REPORT

Editor: Martin C. Barry <martin.barry@medspec.com>
6875 Fielding #02
Montreal (Quebec)
Canada H4V 1P3

STATION/VERIF/CALL/FREQ/MODE/TYPE QSL/NO.DAYS/REMARKS/CONTRIBUTOR

MILITARY/COAST GUARD SHIPS
USS Albuquerque (SSN-706)/NALB 7535.0 USB PFC 28 ds LA class attack sub (RB)
USS Arctic (AOE-8)/NCLS 7535.0 USB PFC 25 ds CS chgd from NDRO (RB)
USCGC Point Estero/NZON 5320.0 USB PFC 11 ds full data w/TU ltr (JDS)
USCGC Hornbeam 5320.0 USB PFC 24 ds full data w/seal (JDS)

MARITIME/NAVAL/COAST GUARD STATIONS
USCG Group San Diego, CA/NOR 5696.0 USB LTR 24 ds part data w/info (JDS)
Sydney C.G. NAVTEX/VCO 518.0 SIT PFC 35 ds foto, diary + pen (KMH)
USCG Group Miami Beach, FL/NCF 2670.0 USB LTR 9 ds part data (JDS)
USCG Group Portland, ME 4125.0 USB LTR 13 ds part data (JDS)
Perth Radio, AUS/VIP 8502.0 CW CRD 76 ds part data, f/up to CA (JDS)
US Navy, Norfolk SESEF, VA 7535.0 USB LTR 17 ds part data (JDS)

*** THE LITTLE BLACK BOOK ***

The following addresses correspond to some of the QSL's listed above:
Tom Davies of Grahamstown, South Africa and J.D. Stephens of Madison, AL contributed these addresses, as well as the verifying signatures to go with them:

Bureau of Meteorology, Norfolk SESEF
Northern Territory Regional Office, NACUNSWARCEN OSO SESEF
GPO Box 735 Darwin NT 0801, Building 102, Fort Story
Australia, Virginia Beach, VA 23459-5089

As promised last month, here's the second half of the list of U.S. Naval Stations (NAS):

NAVAL AIR STATION
PO BOX 9001
KEY WEST FL 33040-9001

NAS KINGSVILLE
554 MCCAIN ST STE 310

Pagina 1053
KINGSVILLE                     TX                   78363h5053
NAS LEMOORE
700 AVENGER AVE RM 224
LEMOORE                     CA                   93246-5001
NAVAL AIR STATION
1155 ROSENAUBM AVE STE 13
MERIDIAN                     MS                   39309-5003
NAVAL AIR STATION MIRAMAR
45249 MIRAMAR WAY
SAN DIEGO                     CA                   92145-5005
NAVAL AIR STATION
9420 THIRD AVE
NORFOLK                     VA                   23511-2197
NAS NORTH ISLAND
PO BOX 357033
SAN DIEGO                     CA                   92135-7033
NAVAL AIR STATION OCEANA
VIRGINIA BEACH                VA                   23460-5120
NAVAL AIR STATION
PAXUXENT RIVER                MD                   20670-5409
NAS PENSACOLA
190 RADFORD BLVD
PENSACOLA                     FL                   32508-5217
U S NAVAL AIR STATION SIGONELLA DET
PACHINO TARGET RANGE
UNIT 50025
FPO AE                       09627-2901
U S NAVAL AIR STATION
PSC 812 BOX 1000
FPO AE                       09627-1000
NAVAL AIR STATION
1134 MAIN ST
SOUTH WEYMOUTH                MA                   02190-5000
NAVAL AIR STATION WHIDBEY ISLAND
1170 WEST LEXINGTON ST
OAK HARBOR                    WA                   98278-5000
NAS WHITING FIELD
7550 USS ESSEX ST STE 200
MILTON                       FL                   32570-6155

*** VERIFYING SIGNATURES ***

The following are verifying signatures (v/s) on QSL's received from individuals to whom reception reports sometimes can be specifically addressed:

Australian Bureau of Meteorology: J.A. Smith, Officer in Charge, Observations and Communications

Section

USS Albuquerque: RMC(SS) R. Swfaringen
USS Arctic: RMC(SW) R. Skinner
USCG Group San Diego: G. L. Brunn - Telecommunications
THE GRAPEVINE: J.D. STEPHENS passed on the following information recently concerning his USCG Miami Beach QSL: "Received a QSL letter today from USCG Group Miami Beach, FL. In it, was an answer to an inquiry about COMMSTA Miami. Since there has been some discussion on this in WUN, I thought I'd pass along this excerpt from the letter I received from Chief Telecommunications Specialist Sandra A. Beisner: 'The Coast Guard station that was destroyed in Hurricane Andrew was Coast Guard Communications Station Miami and it was rebuilt, but the facilities located there are now operated remotely from Coast Guard CAMSLANT - Portsmouth, VA.'" ...On another matter, Stephens points out that the return address for his US Navy Norfolk SESEF QSL differs from previous addresses for same that he's seen... I'm going to do a little thinking out loud right here. I am wondering what other people's experience has been QSL'ing Canadian utilities. I have heard that CANFORCE are not terribly reliable when it comes to verifying on QSL requests, and my own experience so far bears that out.

This month again, we are featuring translations of standard form letters for QSL'ing utility stations whose language may not be English. Thanks go out to Jean-Louis Querton and some of his associates at the European Broadcasting Union (EBU) who helped. Jean-Louis would like to point out, however, that some of the translations we are featuring, including the ones below, are transliterations -- differences in alphabet and accent style make them only approximate, but comprehensible to the receiver. If you're looking for an edge in getting a verification, these may be just the thing. 73s and Good QSL'ing!

--- Polish version ---

Szanowni Panstwo,

Jestem słuchaczem krótkich fal (SWL=Shortwave Listener) w _____ [your town] ______ [geographical coordinations] w ______ [your country]. Jako hobby, słucham fal HF. Mam również licencje radio-amatora ______ [your call sign].

Dnia _____ [date] o godzinie _____ [time] GMT miałem przyjemność odebrać panską emisję ______ [identification of the transmitter] w częstotliwości ______ [frequency] kHz i systemie ______ [mode].

Chciałbym panstwa poinformować ze jakość waszego sygnału odebranego tutaj była _____ [SINPO]. Wyposażenie odbiorcze składa się z odbiornika ______ [brand ans type], anteny ____. [antenna description, height, orientation,...].

Kolekcjonuję również karty QSL stacji które odbieram. Byliby zaszczycony możliwością włączenia do mojej kolekcji karty Panskiej stacji. Byliby wdzięczny, gdyby Panstwo mieli czas i mogli sprawdzić (QSL), czy ten odbior jest dobry.

W załączeniu wysyłam kartę (PFC=Prepared Form Card), zaadresowaną i ze znaczkem pocztowym, gotowa do wypełnienia. Z gory Panstwu dziekuje za czas
jaki mi Panstwo zechca poswiecic i prosze przyjac moje serdeczne pozdrowienia.

_____ [your signature]

---- Czech ----

Vazeny pane,


Dne _____ [date] v _____ [time] hod GMT jsem mel poteseni chytit vase vysilani na _____ [frequency] kHz v _____ [mode].

Sdeluji, ze kvalita prijmu vaseho signalu byla ______ [SINPO]. Prijimace zarizeni se sklada z prijimace _____ [brand and type] anteny ________ [antenna description, height, orientation].

Sbiram rovnez QSL karty stanic, ktere posloucham. Bylo by pro mne cti doplnit moji sbirku kartou vasi stanice byl bych Vam vdecny, budete li mit cas skontrolovat QSL, zda je tento prijem spravny.

Prikladam predtistenou ofrankovanou kartu (PFC= Prepared Form Card) k doplneni. Dekuji Vam pridem za cas, ktery mne venujete a zasilom Vam srdecny pozdrav.

__________ [your signature]

----- Serbo-Croatian -----

Dragi Gospodine,


Dana _____ [date] u _____ [time] sati GMT, imao sam zadovoljstvo primiti vasu emisiju ________ [transmitter identification] na _____ [frequency] kHz u _____ [mode].

Javljam vam da je prijem vaseg signala ovdje ______ [SINPO]. Prijemni uredaji sastoje se od prijemnika _____ [brand and type] i antene ________ [antenna description, height, orientation].


Prilazem jednu, pripremljenu (PFC= prepared Form Card) karticu kuju bih zamolio kompletirati, a koja je vec frankirana. Zahvaljujem unaprijed na vremenu koje mi posvecujete i sradno vas pozdravljam.

__________ [your signature]

# # #

/// QSL 'Inserts' One of the Nicer Payoffs of the Hobby ///

Christmas comes but once a year. But if you play your cards right (QSL cards, that is), the mailman could be dropping all sorts of 'gifts' in your mailbox almost year-round.

One of the nicer aspects of QSL'ing is the 'souvenirs' that verifiers sometimes include along with your returned PFC or QSL card. These can range from photographs to pamphlets or decals and stickers. But there's really no
telling what some stations will sometimes include can be at the personal discretion of the individual fulfilling your QSL request.

"Over the years I have collected quite a batch of souvenir bits and pieces that accompanies QSL replies from ute stations," says veteran QSL collector Rick Albright of Merced, CA. "I began keeping SWL logs in 1955, when I was in high school (I got my amateur license - KN6TBX - the following year), but I didn't get serious about QSLing ute stations until the late 1980s, when frequency and address lists for this branch of SWLing became more readily available. All stations were monitored from California, and being an ex-USN sailor, maritime traffic was my main target. My ute QSL replies have included the following unexpected 'prizes':

- Decals and stickers from Britain's Royal Air Force, the Royal Australian Navy, Royal New Zealand Navy, U.S. Navy and USN MARS, Canadian Forces Maritime Command and several German shipping lines, including Senator Line and Jacob Line. The most impressive of the stickers is a foot-long bumper display with a profile view of the USS Hayler, DD-997, known as "The Blue Goose," but a close rival for No. 1 is a sticker showing a camera-wielding Kiwi bird in New Zealand naval attire.
- Full-color miniature cardboard heraldic devices for the following Royal Navy warships: HMS Bristol, Lancaster, Norfolk, Fearless, Brave and Hecate.
- A paper blue and gold "hat" from the Royal Navy's support unit, the Royal Fleet Auxiliary. It has a series of cuts in the center so that it can be pulled down over the head (one size fits all), leaving the wearer with an official-looking (if a paper hat can ever look official) crown-and-anchor-festooned visor gizmo. This is easily the oddest of my ute QSL souvenirs!
- A genuine Royal Navy radioman's cloth summer uniform sleeve badge, from HMS-Hecate.
- A full-color wall poster showing all the heraldic badges of the Royal Navy's warships, and separate posters detailing the Royal Fleet Auxiliary Service.
- Black-and-white and color photos or poster views of various warships of Britain, Australia, New Zealand, Canada and the U.S. (including Coast Guard and Army). And a few photos from Royal Air Force and U.S. Navy aircraft. Also, many fact sheets and "welcome aboard" pamphlets from the same sources.
- A company logo T-shirt from the radio crew aboard the cruise ship Carla Costa.

Smaller SWL keepsakes:

- Keychain bottle opener, lapel pin and swizzle stick from Australia's East-West Airlines, keychain fob from the tanker Exxon Philadelphia, mapleleaf-and-anchor pin from Canada's navy, ship's logo lapel pin and ballpoint pen from HMNZS Waikato, "navy jack" lapel pin and Orient '92 cruise souvenir pin from Australia.
- Countless photos and Xeroxes of radio room equipment and manuals aboard German and other merchant ships. One German radio officer even sent a photocopy of the ship's radio license!
- An "enhanced" QSL. One (then) East German ship (Hettstedt/Y5OW) returned my Prepared Form QSL with the radio officer's artistic embellishments, including a beautiful freehand sketch of the vessel and color-pencil outlining of the printed elements on the card."

You'd be hard-pressed to find a QSL souvenir collection larger or more elaborate than Rick's. But no doubt there are other utes out there who've also accumulated their share of loot, and it'd be great to hear from them. So with that in mind we'll be continuing this subject next month. In the meantime, Happy Holidays, a Happy New Year to all and 73s!

===========================================================================
Thanks to this month's contributors:
(RB) Rick Baker, USA
(TD) Tom Davies, South Africa
(JDS) J.D. Stephens, USA
(KMH) K.M. Haywood, England
===========================================================================

(# UTILITY ROUND-UP #)

[ editor: Ary Boender   ary@bitbike.com   2:283/512.24 ]

Pagina 1057
Another year has gone by and when you look back, you will see all the good things that have happened, but I am sure that some of you also experienced sad events and I am afraid that 1997 will not be different in that way. I just hope that all of you and your families will have...

** A MERRY XMAS & A HEALTHY AND PEACEFUL NEW YEAR

**o* Prettige Kerstdagen en een Gezond Nieuwjaar

****** Noel Bayraminizi ve Yeni Yilinizi kutlariz

******** Frohe Weihnachten und ein Glckliches Neujahr

****o*** Hyv„ joulu ja onnellista uuttavuutta

****o***** Wesolych Swiat oraz Szczesliwego Nowego Roku

*******o***** Boun Natale e Buon Anno

***o*** Sretan Bozic i Stretna Nova Godina

******** Sretan Bozic i Stretna Nova Godina

*********** God jul og godt nyttjr

************ Feliz Natal um feliz ano novo

********** Feliz Navidad y prspero ano nuevo

***** Vesel, V noce a st'astny Novy Rok

***** Joyeux Noël et Bonne Anne,

o God jul och gott nyttjr

... Imagine, war breaks out and nobody shows up........ 73 -Ary-

Numbers and intelligence

---

o More traffic has been noted on 'channel marker freqs'. I finally copied a short message on 'L' marker freq 3088 kHz. The 'L' changed to 'RLO' then into a few SFG's, and back to 'L' again. All in the same strange sounding CW that is typical for 'L'. According to the Utility Guide, RLO is St.Petersburg, just like 'L'.

ANEU copied traffic on 'D' marker freq 13322 kHz in both CW and USB, 'D' marker at h+30 and h+00, USB PPh traffic by female operator in Russian at 11:42 UTC. 'D' is supposed to be the navy in Odessa.

o North Korean spy Jong Su Il said during questioning, "The number of North Korean spies in the South is believed to reach almost several hundred considering call letters and the contents of instructions being sent out through shortwave radio every morning." <source: Kyodo>

o More numbers transmissions via Radio Pyongyang have been noted on 3250 and 4770 kHz during the last month.

o New Star Broadcasting Station.

I found the following interesting report about this infamous numbers station in a DSWCI DX-Window bulletin.

<author: Hans van den Boogert, Taipei, Taiwan hansfong@ms2.hinet.net>

This is a report about the NEW STAR BROADCASTING STATION, or Xin Xing Guangbo diantai in Mandarin Chinese. I have observed this station on the following frequencies: 8300, 9725 and 11440 (must be 11430), where the latter two seem to be alternates both featuring the third program. Reception is clear and strong local daytime here in Taiwan (2300-1000 UTC), but hardly or not audible at night (1200-1600 UTC). I'm not a propagation expert, so maybe somebody else could give some educated guesses about a possible location.

New Star seems to have different services, or programs. Each frequency identifies itself as "the third" or "the fourth" program ("di san tai" or "di si tai"). Content is different, but program format is the same. Broadcasts range from 5 to 40 minutes and I recorded a broadcast on 8300 kHz in October as typical case.

In order to save my energy I hereby give a list of Chinese cardinal numbers. Ordinal numbers are formed by putting "di" in front of the cardinal number.

---

Pija 1058
Chinese numbers from 1-10:
1 = yi               7 = qi
2 = er               8 = ba
3 = san              9 = jiu
4 = si               10 = shi
5 = wu               20 = erhshi
6 = liu             26 = erhshihliu

Frequency: 8300 kHz. Date: October 1996. Time: 0600 UTC.

Transmission details:
* Transmissions usually start at the hour, e.g. 0400, 0500, 0600, with a traditional piece of Chinese music as interval signal, featuring a flute. Once you hear it you never forget it. Usually two women are featured: one for the general announcements, the other for the messages. They are both recorded and this clearly shows in the coded messages which suffer from lack of proper intonation. The outline of the transmissions is as follows:

Station ID + program ID. An example:
Zheli shi Xin Xing Guangbo diantai, di si tai (2x) [Here is New Star Broadcasting Station, the fourth program]

* Call for particular units (danwei) that cables (dianbao) are coming. These stations have 4 or 5 letter call-signs. Also indicated is the month and number (...yue, ......th report) of the cables and how many cable characters (dianwen) it consists off. An example:
...........you 5-3-2-5-3 danwei [...for unit 5-3-2-5-3], shi yue fen di yi hao dianbao [October 1st cable], yi fen dian bao dianwen 53 zi [one cable, 53 characters]. You 4-4-7-1 danwei [for unit 4-4-7-1], shi yue fen di si hao [October 4th cable], yi fen dianbao dianwen 61 zi [one cable, 61 characters]. 5-3-2-5-3 danwei 4-4-7-1 danwei zhuyi chaoshou [unit 5-3-2-5-3, unit 4-4-7-1, stand by for reception].

* This announcement is repeated a couple of times, with the interval music in between. Then actual code transmissions begin, preceded by this announcement:
Zheli shi Xin Xing Guangbo diantai, di si tai. [Here is New Star Broadcasting Station, the fourth program] Xianzai women.... [Now we....] kaishi..... [begin...] baogao gei nin [with the reporting for you]. Qing nin zhuyi, zhunbei chaoshou. [Please stand by for reception]

* Then the actual reading of numbers starts in this format, each number repeated twice. If the cable is finished this is also announced: 9093 9033 8799 8799 9989 9989 1956 1956 4244 4244 3904 3904 9939 9939 8988 8988. yishang shijie he yueu .....bosong wambl. xiexie nin de shouting. zhu nin jiankang kuai le. zaihui. [The preceding was intended for unit 4-4-7-1], shi yue fen di si hao [October 4th cable], yi fen dianbao dianwen 61 zi [one cable, 61 characters]. xianzai yijing bowen wan le [now finished with broadcasting the cable].

* Finally the whole broadcast is ended with the following words:
yishang tejie heyueu .....bosong wambl. xiexie nin de shouting. zhu nin jiankang kuai le. zaihui. [The preceding special programme.......now finished transmission. Thank you for listening. We with you health and happiness. Goodbye.]

Comments from the reporter:
First a disclaimer: my Chinese is not perfect and Xin Xing's audio is not that great, so I might have made minor mistakes in translation, or in copying content (90% is correct though). Even my girlfriend had trouble understanding the Chinese and she is a native speaker, so there you go! (Please send her a nice e-mail at hansfong@ms2.hinet.net and maybe she will let me play with my radio more often then, hi!).

I don't want to give too many comments on this station. It seems a spy station, packaged very nicely, but from where and for whom is everybody's guess. The Mandarin used sounds like mainland Chinese Mandarin, but it could as well be from Taiwan. The signal and audio quality also point to
mainland China, but then again, at night this station is not audible in over here and so it points to Taiwan again.

Maybe it's not a spy station at all. I remember some years back there was a German number station, also sounding very nice and everybody thought it came from East Germany. Turned out to come from West Germany and relaying results of horse racing (this was before the computer networking craze and turned out to be cheaper and faster than other means of distribution).

Anyway, good luck with hunting this station down. If you hear any other frequencies, please let me know. Good DX.

Police on HF, pt.3

* The DEA Mission Statement as found on the home page of the Dept of Justice. The freqs were retrieved from WUN loggings and Monitoring Times.

* The mission of the Drug Enforcement Administration is to enforce the controlled substances laws and regulations of the United States and to bring to the criminal and civil justice system of the United States or any other competent jurisdiction, those organizations, and principal members of organizations, involved in the growing, manufacture, or distribution of controlled substances appearing in or destined for illicit traffic in the United States; and to recommend and support nonenforcement programs aimed at reducing the availability of illicit controlled substances on the domestic and international markets. In carrying out its mission, DEA is the lead agency responsible for the development of overall Federal drug enforcement strategy, programs, planning, and evaluation. DEA's primary responsibilities include:
  * Investigation and preparation for prosecution of major violators of controlled substances laws operating at interstate and international levels;
  * Management of a national drug intelligence system in cooperation with Federal, state, local, and foreign officials to collect, analyze, and disseminate strategic and operational drug intelligence information;
  * Seizure and forfeiture of assets derived from, traceable to, or intended to be used for illicit drug trafficking;
  * Enforcement of the provisions of the Controlled Substances Act as they pertain to the manufacture, distribution, and dispensing of legally produced controlled substances;
  * Coordination and cooperation with Federal, state and local law enforcement officials on mutual drug enforcement efforts and enhancement of such efforts through exploitation of potential interstate and international investigations beyond local or limited Federal jurisdictions and resources;
  * Coordination and cooperation with other Federal, state, and local agencies, and with foreign governments, in programs designed to reduce the availability of illicit abuse-type drugs on the United States market through nonenforcement methods such as crop eradication, crop substitution, and training of foreign officials;
  * Responsibility, under the policy guidance of the Secretary of State and U.S. Ambassadors, for all programs associated with drug law enforcement counterparts in foreign countries; and
  * Liaison with the United Nations, Interpol, and other organizations on matters relating to international drug control programs.

Frequencies. Both Customs and DEA are using HF radio for their comms. They share freqs with the FAA and USAF. During the past year traffic has been copied on the following freqs:

Customs Over-the-horizon Enforcement Network (COTHEN). These freqs are being shared with the USAF and ALE (automatic link establishment) is being used: 5732, 7527, 8912, 10242, 11494, 13907, 15867, 18594, 20890, 23214, 25350 kHz (8912 kHz is shared with FAA). All comms are
in USB and secure voice, with some 'in the clear' transmissions at times.

Shared with FAA (not in ALE network) 3428, 5571, 11288, 13312, 17952 kHz

U.S. Customs Over-the-horizon Enforcement Net (COTHEN)

Alpha 5277 Hotel 18666
Bravo 5841 India 23675
Charlie 7300 Lima 14350
Delta 9497 Papa 14686
Echo 11076 Romeo 23402.5
Foxtrot 7675 Sierra India 18171
Golf 14690 Sierra Juliet 19131

DEA stations (aircraft) have also been heard on 5696, 6739, 8971 and 11175 kHz and COTHEN freqs.

A couple of related callsigns:
Panther = HQ Bahamas
Atlas = COTHEN, Rockwell-Collins, Cedar Rapids, Iowa
Flint.. = DEA aircraft
Stingray.. = US Customs aircraft
Omaha.. = DEA aircraft

Australia continued: NSW and NT. WA and Queensland next month. I am still looking for ACT, Victoria and Tasmania freqs. Anyone?
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utility Round-up

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- Station RJE73 was heard on 12 1447Z Nov 1996 on 5739 sending CQ/QTC marker followed by traffic in cyrillic alphabet and numbers. Very good in Athens, Greece.  
  <Costas Krallis>

- On 13 0549Z Nov 1996, YRA (Bucharest Air) appeared on 5638 with long "VVV TEST DE YRA K" style messages. Immediately after, the operator at SWA (Athens Air) replied in fast CW "YRA DE SWA QSA 5 73" and the quick exchange ended with key double clicks.  
  <Costas Krallis>

- NOZEMA's Xmas tree. This Christmas Nozema's antenna in IJsselstein (the Netherlands) will be the largest Xmas tree in the world.  
  For the Dutch Broadcasting Transmitter Company owns the Dutch public broadcasting antennas. Special synthetic guy-wires with lightweight aerodynamic lamp holders will be stretched in parallel with the normal guy-wires. Thanks to the powerful light bulbs, the Xmas tree will be visible in a range of 30 km. The idea for this construction came from the students of the West Brabant College.

- Sweeper freqs. In addition to the sweeper frequencies that I mentioned two months ago, Mike Chace reports another 4 freqs: 15892, 18553, 18681, 20570 kHz.

...and finally...

== DXers' IQ QUIZ ==

[freely adapted from the original quiz by Bill Dernoff]

Test your DX Quotient! How much do you REALLY know about our hobby and your club? Neatness and flattery count, so do your best.

Here we go:

1. What's the best way to QSL Timbuku?
   a. Send a report every six weeks until they answer.
   b. Send a report with $5 every six weeks until they answer.
   c. Threaten to stop sending reports unless they answer.
   d. Rob the QSL collection of someone else who has already verified them.
   e. Adopt Ross Perot as your uncle and have him buy the station for you.

2. For what reason did most WUN members subscribe?
   a. Information content
   b. Great editors
   c. The letter Joel Bedard sent threatening to tear down their antenna if they didn't subscribe
   d. "I thought I had to do this to QSL Timbuku Radio"
   e. "They won't let me in any other DX club"

3. What 11-year cycle has the most effect on DXers?
   a. Sunspots
   b. Elections in Indonesia
   c. Botswana's QSL policy
   d. The time from first announcement to shipment of new receivers.
   e. The publication cycle of WUN's Special Topics Report, the Pagina 1063
informative but unpredictable series of 'special topics' newsletters.

4. Which special DX accessory was voted "most bought and least used" by WUN members?
   a. The quartz clock with the 36-hour dial.
   b. The combination football helmet and fixed-frequency Radio Pyongyang receiver.
   c. The "DXers' Coffee Cup" with intravenous hose and coronary alert signal if your pulse passes 200 or audio is detected from Azad Kashmir.
   d. The detailed DXers map of Tristan da Cunha.
   e. The QSL album that looks like a coloring book and is too big to fit on anything but the bottom shelf of your bookcase.

5. Which special DX accessory was voted "most bought and most used" by WUN members?
   a. The DXers' Headphones with helium-filled ear-cushions that keep your head off the desk at 4 a.m. local time.
   b. The 365-day, 24-hour tape collection of Rick Baker's best DX loggings designed to replace boring hours of listening to static while straining for IDs. Rick himself provides the IDs of the stations you really want to hear, and much better music than all those flutes and drums and whining natives undergoing surgery without anaesthesia.
   c. The DXers' 'Stay Awake' Companion, an inflatable cushion that plugs into your DXMate-10 receiver and vibrates your, er, seat in inverse proportion to the speed with which you twist the dial.
   d. The Guide to What You're Hearing computer program. Taps into your DXMate-10 and positively IDs the station you're listening to based on frequency, fading, and program content. Prints QSLs too, using verie signer data from Martin Barry's extensive collection.

6. Who was voted WUN DXer of the year in 1996 and why?
   a. Jeff Haverlah, for being the Skyking and an EAM (Extremely Active Monitor)
   b. Day Watson, for QSLing all maritime transmitter sites that broadcast in both Chinese and Malaysian on even-numbered Saturdays.
   c. Martin Barry, for photocopying every QSL ever sent to him for his QSL column and donating "his collection" to the Committee to Prevent Radio Falsifications and declaring a $200,000 tax write-off.
   d. Mr or Mrs Anonymous, for inventing the combination shortwave receiver/microwave oven and frying 27 headphones in the process.
   e. Team Logs, for editing and retyping a million and a half logs from 1100 crazed WUNnies.

7. Why did Tim 'Bandscan' Braun cross the road?
   a. To unwind his hose reel Beverage antenna.
   b. To run away from the police, chasing him after he unwound 2 miles of wire across a major interstate highway.
   c. To blast a hole in his neighbor's personal computer that was converting 90 meters into a chorus of chainsaws.
   d. To open the mailbox and find the latest WUN Newsletter, four copies of the Digital FAQ's current edition, six copies of Marius Rensen's HF FAX frequency guide for the last six months, and no Timbuktu Radio QSLs.
   e. To get to the other sideband.

The answers will be broadcasted simultaneously by Mossad and CIA numbers stations, so look out for those transmissions on new year's day. Have fun; see ya next year! -Ary-
Hello, and welcome to another WUN Logs Column. I would like to start out by thanking everyone for the great turnout this month. We have 107 contributors, representing a minimum of 15 countries. This month we have over 360kb of logs, including 135kb of Digital Logs, 119kb of Military Logs, 69kb of Civil Aero Logs, 33kb of Maritime Logs, and 11kb of Misc Logs. This equals over 5400 lines of up-to-date intercepts, making it the most timely and wide-ranging source of information available to the utility monitor. This is YOUR column, and thanks all for your input.

For the last couple of months we have been mentioning the upcoming second anniversary newsletter. I encourage all 1000+ members to send in some logs for this column. Let's make the January issue the biggest and best ever! We are looking for a good cross-section of what can be heard around the world. So, let's get those logs in today. Keep in mind that the deadline for submitting logs is the 10th of the month, so don't delay.

Now for some updates and corrections to previous WUN Logs Columns.

Ref. WUN 10/96, DIGITAL-LOGS, Freq.: 2514.8 unid TURNy:
Station is identified as TBA - TURNy Ankara - with Broadcast T12A!

Ref. WUN 10/96, DIGITAL-LOGS, Freq.: 7946.5 unid Meteo:
Station listed is Meteo Grengel (MilMeteo), D, c/s DHJ51

Ref. WUN 10/96, MILITARY-LOGS, Freq.: 5715, DHJ78:
Callsign belongs to German Navy Airbase Nordholz, near Cuxhaven. Nordholz is homebase of GNY Breguet Atlantic sub-hunting aircraft. Commando: 3 (GE) NavAir Wing Nordholz!

Ref. WUN 10/96, MILITARY-LOGS, Freq.: 6779, DRHB:
This callsign is not reported anymore. It is out of use since Spring 1995. If there is a new vessel with this callsign is still unknown

Ref. WUN 10/96, MISClOGS, Freq: 115, Loran:
Not Loran but Decca stations around this freq. The CW pulses represent not letters or figures

Ref. WUN 10/96, MISClOGS, a variety of unid NDB's,

Ref. WUN 11/96, DIGITAL-LOGS, Freq: 2147, DoSC Moskva
Frequency should read 12147

Ref. WUN 11/96, DIGITAL-LOGS, Freq: 2892.3, MGJ: UK
MGJ: Royal Navy Faslane

Ref. WUN 11/96, DIGITAL-LOGS, Freq: 5287 Unid
Guardia Civil is on this freq

I would like to thank TEAM LOGS once again for their outstanding support and effort. Without them, this column would be impossible to do. In addition, I want to thank all of the other column editors and other individuals who help by checking my work and helping track down information. One last reminder. On behalf of TEAM LOGS I again ask that those who post or e-mail their logs try and get them as close as possible to our format. All of the editors volunteer their time to do this for the group. Let's make it as easy as possible on them. Thanks!

NOW, WITH ALL OF MY BEST WISHES TO YOU, AND YOU FAMILIES, DURING THE HOLIDAY SEASON, it is on to the logs....

Pagina 1065
WUNhv02

=CIVIL AERO=

2872  XASIM 0637 USB Shanw'k/ARP 56N20W 0635 F370 56N10W 0714 MAC. RJA262 UTC? USB Shanw'k/Req. to deviate 30nm to the right & descend to F280.Also req. to land at nearest suitable airport, some sort of engine problem, 162 SOB. (AW2)

2899  N128TS 0307 USB Shanw'k/ARP 52N30W 0304 F410 50N20W 0350 49N15W. N399CC 0309 USB Shanw'k/request selcal ck/K-DRM (G4). (AW2)

2971  N500E 0302 USB Shanw'k/ARP 52N20W 0300 F430 50N20W 0350 49N15W next. (AW2)

3016  IFZ01 0700 USB Shanw'k/ARP 53N20W 0658 F250 52N15W 0725 DOLIP. (AW2)

3413  N399CC 0309 USB Shanw'k/request selcal ck/KRhDM (G4). (AW2)

3455  NY Radio: 0050 USB clg Speedbird 292 --- no joy called at least 6 times in short period via voice/SELCAL (KW2). USA2295 0022 USB NY/ARP ODEAL 0018 F370 FLORI 0037 RIGNY sel/BRhMS (Any ideas for the selcal? B757). (RD3)

3470  Malaysia 4150: 1840 USB clg Indonesia 892 no joy. (RO)

3476  FhGLGY 0532 USB Shanw'k/ARP 52N30W 0531 F390 52N20W 0613 52N15W sel/AChJK (type?). (AW2) Gander Radio: NF, CAN (NAT-F MNARA) 0316 USB wkg next. (RB)

3493  Reach 3033 0550 USB Stockh'm/dep.FR5 0525/40 eta TZL(Tuzla) 0710 31SOB dep.fuel 45.0 sel/EH-DF (BSK B727-reg ??)). (AW2) SWR175 0615 USB Stockh'm/p/p to GTI ops--both radar sets u/s asked ops to ck wx. reports for thunderstorm activity.fl/t en route BSL. N603GC 0903 USB Stockh'm/ARP 52N20W 0856 eta KBGR 1310 sel/CG-EM --To relay to Gemini Cargo Ops (DC10 Gemini/SCx). N916SJ 1412 USB Stockh'm/on ground EUN-fl/t slightly off freq so no reply.(L.100). D-AMUZ 1717 USB Stockh'm/p/p to LUT Technik,Munch. VRG'VPK'0405 USB Varig ops/Gave posn report F350 in SS!! LDA6273 0726 USB Stockh'm/pp Lauda ops, Vienna sel/HL-DS (OE-LRF) GT1136 0730 USB Stockh'm/dep.TURIN 0657/0705 eta SNN 0940 payload 81173 sel/AD-DM (N3203y B747). FDX9614 1956 USB Stockh'm/pp to ops --posn BURNO 1955 F315 fuel --19.0 sel/CM-DL (N312FE DC10) CLI075 2166 USB Stockh'm/posn BBM 950 1960 F280 fuel 104.1 sel GL-HK, CGCIL A310. SJM6212 2000 USB Stockh'm/arr.LAGOS 1607/1700 dep. 1825/46 eta VIT 2344 payload 211906 lbs uplift 25931 USGals. AMTRAN 4843: 0055 USB wkg Stockholm Radio. pp flight control. a/c must stay on gnd due to weapons on board. Were here (?) a day ago and 1 person stayed on board a/c. 1 guy from military and 1 mechanic. eta 34 minutes. Passengers will be allowed to leave. Will leave HF

Pagina 1066
transmitter active while on gnd. Dep msg through Stockholm. (CH)
LE-581: Air Toulouse 2243 USB wkg Stockholm R. (IB) ?117: 0055 USB wkg Stockholm Radio re posn rpt 50N 40W gsy to 8930 (KW2). PAC857 1801 USB Stockh'm/p/p to Longbeach Ops-Flt to continue as planned !. AFR430 1906 USB Stockh'm/Radio & selcal chk/BFhGK (FhGCBI B747) a/c told off for interrupting previous call! TSO9070 1632 USB Stockh'm/Reg.private call--to call 6826. SJM6202 1600 USB Stockh'm, arr LEVT 1517/28 dep.1710/19 ETA ELLX 1849 Fuel 100.8 Cargo nnil sel/DLhFG N741SJ B747. CTM1185 2150 USB Stockh'm/p/p to Longbeach OpshFlt to continue as planned !!. AFR490 1906 USB Stockh'm/Radio & selcal chk/BFhGK (FhGCBI B747) a/c told off for interrupting previous call! TSO9070 1632 USB Stockh'm/pos'n UHT 2237 ETA NARITA 0600 Fuel 218.5 to relay to Company. BAW3572 2038 USB Stockh'm/ARP LINSO 2030 F330 fuel 33.3 ETA HONG KONG 2230 copy to Atlas Air NYC. (RD3)

5548
Eva Air 678 0041 USB wkg Stockholm Radio -- posn rpt N26, W50 at 0004, ETA TFFR 0212Z for relay to company; had very difficult time communicating w/ one another & the same info was passed about 5 times. (KW2)
5598
New York Radio LDOC 0415 USB two SS speaking stations completely blocking 1doc ops. (AM3) AEA148 0015 USB NY/ARP 30N60W 0011 F330R350 35N50W 0123 36N40W. IBE6620 0016 USB NY/ARP RIGNY 0014 F290 DEENO 0037 33N60W To call Bermuda 12.5 then HF 6628/2962. AVA010 0018 USB NY/ARP 20N60W 0226 M.80 sel/GLhEJ (N985AN B767). (RD3)

5565
MAS20 0303 USB Jo'burg/Talking about flight level change. CLX760 0439 USB Recife/ARP RAKUD 0439 F310 POLDA 0507 NOR sel/CJhLM (LXhECV B747F) IBE6841 0402 USB Recife/ARP NANIK 0359 F350 ESPOT 0441 sel/EK-CJ (EC-DIB B747). (AW2)
5574
Corsair 940 0605 USB Wkg SFO (GMhDJ) ARP F370. (TO)
5589
unid aero stn 2124 USB passing WX for BRU and CGN to an a/c. Both speaking Hebrew. (Could this be a new ElAl frequency?) (MB3)
5598

5610
Portishead rdo 1126 USB wkg unid a/c "NG" w/selcall chk (MB3) Unk: 1425 USB wkg Portishead w/ a PP to ops. Right hand generator had failed adv Portishead that he'd stay on 5's until Cyprus then would be on 15964. Cooper (??) 901 1022 USB wkg PORTISHEAD w/ a grd radio ck. YA: 1155 USB wkg Portishead w/ wx for Porta Planta (???) Selcal of JR-AC. WATCHDOG94: 1156 USB wkg Portishead ops normal posn 48W 8300 riding west. will call in an hour WATCHDOG 93: 0911 USB wkg Portishead. Ops Normal off coast,Middlesborough. Selcal LM-GJ. WATCHDOG94 1030 USB wkg PORTISHEAD w/ops normal at posn 5030N 00650W & we are west-bound.WATCHDOG94 1123 USB wkg ARCHITECT. Dep Stmawgan 3 pos, selcal CL-GH posn 0930N0540W. WATCHDOG94: 1050 USB wkg Portishead w/ ops normal "Departed St Mawgan & we are currently
20 miles SW of Lands End. We'll be going low in 60 miles. will call in an hour. WATCHDOG 93: 1010 USB wkg Portishead w/ops normal posn 37N 5420E. will call again in 1 hr. (SM)

5616


AFR4886 1155 USB Iceland/Oc.clr.to KLAS via 61N30W 68N30W 69N40W 70N50W 70N60W 78N30W F310 M.82. RJA500 2200 USB Gander w/ARP 51N30W F370 53N40W 0417 45N30W 0417 45N30W 0417 45N30W 0417.

5658


5656

Canada areas. (KW2)

8831
Speedbird 227 1347 USB Wkg Gander (EK-MQ) ARP 54N30W F330. Delta 41 1404
USB Wkg Gander (AH-DM) ARP 56N30W F330. American 173 1406 USB Wkg Gander
(JK-EF) ARP 52N30W F330 68.1 fr. TWA 925 1407 USB Wkg Gander (AE-GJ
767-200ER N607TW) ARP 53N30W. American 55 1413 USB Wkg Gander (AP-KQ)
ARP 53N30W F330 53N40W next. USAir 781 1416 USB Wkg Gander (BF-MP) ARP
57N30W F330. Saudia 021 1418 USB Wkg Gander (AF-JM) ARP 57N30W F350
85. (TO)

8840
Bombay Radio, India 1257 USB Bombay control calling air India flight to
Bangalore (EW)

8843
Honolulu: (CEPh1/2 MWARA) 0225 USB wkg Air Trans 610 w/0224 posn, adv
contact SFO on 5574; at 0226 wkg Delta 1562 w/0226 posn, req for FL 340,
contact SFO on 5574. (RB)

8852
unid (ElAl?) 2053 USB ground stn passing WX for LFBL (Limoges) to an
a/c (I always had ElAl on 8837 / 8924, but never on this one.) (MB3)

8855
Transbrasil 794 0537 USB Wkg Manaus w/ARP F350 and selcal (JKhDS).
American 972 0542 USB Wkg Manaus w/ARP Boa Vista 0538 F350. VASP 840
0610 USB Wkg Manaus o/H NANDA 0607 F330 MAN 36. (TO)

8861
VARIG 743: 0353 USB wkg Dakar AFCC w/flt info.(DW2) AFP 0062, Unid 1851
USB Wkg Dakar, Selcal- BHQS. Mauritania 762 1530 USB wkg Canarias,
FL270. Danmania 212 1539 USB wkg Calcutta, (Calcutta to Bombay). Nagpur
Aero (IND) 1544 USB wkg Calcutta. TU-TAI Air Afrique 1819 USB wkg Dakar,
Selcal- HSDG. BES-362: Bird Express 1831 USB Wkg Dakar. MIAh101: Unid
1500 USB Clg Canarias, no reply. (IB) 5THTJY 1933 USB Canarias,
Nouakchott/? 1920 Nouakchott said that this a/a is on 133.0 (Canarias)
type -PA31T Cheyenne Air Mauritania!! IBE9723 1936 USB Dakar/Madrid to
Dakar ETA 2045 via LOLOS 1936-PE 1941 NULET 1959.sel/GLCD (EC-EMX DC8).
IBE3960 1939 USB Dakar,Canarias/passed tvc pe 2010. BAW68 1949 USB
Jo'burg/Called this fl/t several times no answer. Jo'burg 1950 USB
Dakar/Called for a radio ck very clear! CK5395 1851 USB Recife/ARP
very faint F310 cl.350 req.Recife wx. at 2000.sel/CJKD (N808CK DC8).

8864
N292GA 1156 USB Abidjan,Roberts'/F350 eta CONAKRY 1909. TAR611 1752 USB
Dakar,Canarias/tfc PE 1827 F350 KC 1853. (RD3) Varig 710 0554 USB Wkg
Dakar req F370 and selcal (FQ-GJ). VASP 784 0552 USB Wkg Dakar (DL-EJ)
ARP RAKUD 0549 F370. Iberia 6843 0550 USB Wkg Recife (HL-BD) ARP RAKUD
F310. Malaysia 202 0552 USB Wkg Johannesberg ARP SE 0551 F370 Equator
0621. Air France 242 0553 USB Wkg Recife (HL-FJ) ARP NANI F350.
Springbok 204 0600 USB Wkg Recife ARP ONSEK 58 F370 TURAB 0618. (TO)

8867
VHhNJF: Aus. Air Express 0553 USB wkg Brisbane. VH-TAS: TAMAIR 0557 USB
Wkg Brisbane, QSY>5643. Air Nauruh136 0620 USB wkg Brisbane. Freedom
414 0656 USB wkg Auckland. Southern Air-1000 0716 USB wkg Brisbane.
VR-BLG 0733 USB wkg Auckland control. At 0805 UTC, Auckland requested
VR-BLG to QSY to --"One Zero Zero, Decimal Two Four " and to"Contact
Pagina 1074
Meeting: 10:00 AM

Proposal 1: Implement a new feature in the application to improve user experience.

Proposal 2: Enhance the existing feature to support more platforms.

Proposal 3: Add a new feature to integrate with external services.

Discussion:

- User feedback suggested that the current feature is too complex and difficult to use.
- External services can provide valuable information that would enhance the application.

Action Items:

1. Research user interface options to simplify the existing feature.
2. Explore partnerships with external service providers to integrate additional functionality.
3. Schedule meetings with stakeholders to discuss the feasibility of implementing the proposed changes.
8906

8924 WEST INDIAN 42330 USB wkg BWIA Operations reporting that they're having problems getting in contact w/Piarco ATC. Ops reported that Piarco had lost complete power. WEST INDIAN 431 also up on freq trying to get to Antigua to pick up 40 stranded Lufthansa passengers (TB).
Varig 855 0533 USB Wkg VARIG LDQC Belem w/ARP at F310 and ETA GRU, also GRU actual wx report. (TO)

NCA219 1634 USB Hong Kong/ARP DDTAS 1645 PCA 1652 ETA Bangkok -1805 Fuel 75.0. THA083 1637 USB Singapore/ARP DODRO 1636 F290 MEVAS 1648. JALT10 1637 USB Ho Chi Minh/ARP Iprop? 1630 F290 ? 1701. KAC142 1639 USB Hong Kong/ARP DANAL 1651 F350 PCA 1710. JALT18 1711 USB Hong Kong/ARP DAGON 1813 To call 127.1. JALT22 1703 USB Hong Kong/ARP F370 sel/DREG JA8581 MD11. (RD3) Singapore 833: 1400 USB wkg Hong Kong for selcal ALGH. Lufthansa 773: 1402 USB wkg Singapore posn ck.(RO)

Shannon volmet, Ireland 1247 USB volmet radio w/ station id this is Shannon volmet at 1250 utc (EW)

Royal Jordanian 054 2030 USB w/call to Alia Ops...no reply (TB)

Aerolineas: Argentinas LDQC, ARG 0644 USB w/SS aero comm's, selcals(RB)

VR-BLG 0807 USB wkg "Kessler". (IB) (poss Pascua, Easter Island - which operates on the SAM-MWARA group of freqs (2944 4669 6649 10024 11360 17907 -LOGS).

VR-BJR: Unid 1758 USB wkg Berne R. Posn: Rhodes, GRG. (IB) N721MF 1225 USB Berne/En-route BERUT sel/DJ-KL (B727). (RD3) AAL47 1435 USB wkg Berne/pp to dispatch re children on board w/a rash of spots, fl/t worried in case it was contagious. Dispatch spoke to Dr. and said if they were only on their faces it should be OK !!! PP-APM 1519 USB Berne/o/h Napoli req.p/p to Skyjet Brussels mentioned problem w/ tail rudder (DC10). HB-I1A 1527 USB Berne/pp to TEA, Basle sel/EPFM (HBIIA B737). (RD3)

Speedbird London 1336 USB wkg unid a/c (arabic accent), passing EGLL mb (MB3)


SDJ: Stockholm rdo 1308 USB wkg KLM 741 w/private pp (MB3)

Originaly called on 11360. (RD3)

VRBHM 1458 USB wkg Stockh'm/Returning to Malaga not going to Milan due to pressurization problem-had to make an emergency descent F350 to 140.ETA LEMG 1600. (RD3)

LDA525 1257 USB Stockh'm/a/c 'RF'(OELRF) ref fl/t to Madrid.

SAZ-462: Swiis Air Ambulance 1417 USB wkg Cairo. FL330. (IB) RWM21 1300 USB I18-IMZ from Amsterdam to Sidi Barani and back to Bucurest. AFB 695 1309 USB to Abu Simbel VOR (SML), selcal BG-ES (JP2) Cairo wkg TRT 313, SML@1419 FL 370, to call on VHF 124.7. Kartoum Aero 1455 USB wkg GTY401 w/ poson report and selcall chk. (MB3)

unid aero 1059 USB a/c <=> gnd communications in RR (MB3)


unid aero 1059 USB a/c <=> gnd communications in RR (MB3)

San Francisco: AIRinc (CEP-CC-LDQC) 2123 USB selcallying & clg Polar

Tiger 89, no joy. (RB)


Honolulu 0753 USB wkg Thai 121. Posrep & selcal JM-GH. (AW)
Shannon Volmet, Ireland 1247 USB volmet radio w/ forecast for Santa Maria, Lisbon etc at 1239 utc. (EW)

NY Volmet 1232 USB w/aviation WX for US airports (MB3)
Honolulu 0625 USB Volmet wx for the area. (AW)
El Al Tel-a-Viv 1237 USB passing JFK wx to ElA7? in Hebrew (MB3)

New York 674 1427 USB NY/APR 4115N60W 1425 F250 4150N57W 1449 then to go operational. (AW2) RAIDER 02 1852 USB 42N-45w eastward (JP2) VIA731 1316 USB NY/APR 43N40W 1315 F330 31N50W 1458 18N58W sel/KDH (YV-137C DC10). N400J 1335 USB NY/APR 42N60W 1333 F410 42N50W 1429 41N40W sel/KM-BG (G.3). AFP0032 1355 USB NY/APR 42N60W 1350 F200 41N65W 1437 Ampron? ETA ANDREWS 1715 req.F220 (Port.AF). New York: (NAT-A MWARA) 1803 USB wkg Air Italia 6584 w/posrep, 1802 33N/40W, FL370, est 33N/50W 1913, 33N/60W next. (RB) MPH627 1311 USB NY/APR 41N40W 1306 F350 38N50W 1412 sel/JMDS (PHhMCV B767). Reach SF5 1537 USB NY/Rx.O.clr to NGU via SLATN PENYT LYNUS ORF F370 M.77. Reach 8V4 1537 USB NY/Rx.O.clr to NGU via SLATN PENYT LYNUS ORF F330r370 M.77. (RD3)

SDJ: Stockholm rdo 1254 USB wkg Swissair 175 w/redispatch msg (MB3) BER2714 1504 USB Stockh'm/Eta Hamburg 1805 ck for onward list of pax. to see where they are going on to.

VR-CM2 1304 USB Stockh'm/Aasked for latest EGGW wx.1250z. (RD3)

LOCKHEED "Flight 6150" 1705 USB clg 5927 no Joy. (JJ)

=DIGITAL MODES=
Please note that ARQ is used for Sitorh-A, FEC is used for Sitorh-B, and both of these modes are 100/170 unless noted otherwise. RTTY is used for Baudot. This is not as a statement of correctness, but rather a space saving measure.

305 UNID: 0352 FSK 96/200 continuous FSK signal. (JSS)
518 9HD: Malta rdo 1824 FEC nav wrng's. LGB: Rogaland rdo (relay Lyngby)
WUN-v02


1905 SAB: Goeteburg rdo 1722 ARQ sc ubvp. (BvR)

2012 UNID. 2335 COQ/13 Most of the transmission seems online encrypted. Three sections in the clear "de fc" "te tct" (possibly corrupt) and finally "ok ok moi avoir tout compris c'est super" and off air. UNID 0005 COQ/13 Twice "de fc" and then "r ar". Rest online encrypted (DW)

2209.5 NATO Mil 2250 PSK 2400bps UNID System (MC)
2293.8 DER: M0i Bonn 1746 ARQ-E 72/67 idle (no id). (BvR)
2294.5 DER: M0i Bonn 1746 ARQ-E 72/97 idle (no id). (BvR)
2295.5 DER: M0i Bonn 1744 ARQ-E 96/88 idle (no id). (BvR)
2296 DER: M0i Bonn 1742 ARQ-E 96/188 idle (no id). (BvR)
2342 DHJ51: Grendel Met, D 2230 FAX 120/576 "etgx dwd10 feud98 not available". (LC)
2386 HEVHF: NGBN Bonn 0856 ARQ-E "die wartungsarbeiten an der stromversorgung
sind abgeslossen". (BvR)

2387 RPVHF: NGN Bonn 0913 ARQ-E 96/97 idle acf 56. (BvR)

2387.5 SLVHF: NGN Bonn 0914 ARQ-E 96/97 acf 56. (BvR)

2423.5 SAB: Goeteborg rdo 0929 ARQ ererere sc mqoc. (BvR)

2474: PBC: DN Goeree 1822 RTTY 75bd availability

2510 Unid 1813 RTTY 75 encryption several stations ryryry. (BvR)

2548.7 Unid 0926 ARQhE 72/155 acf 28 monitored until 09.46 no id or tcf. (BvR)

2607 FUO: FN Toulon 1843 RTTY 75 ryryryry. (BvR)

2617 Unid 1847 RTTY 50/850 1 stopbit for 8 hrs nothing but ryryryryryryryryryryryryryryryryryryryryryryryryryryryryryryr

2628 AXM31: Melbourne Meteo, AUS. 0950 FAX 120/576 wx map (EW)

2690.7 DNHJ51: Grenchel meteo 1924 RTTY 100 wx. (BvR)

2712 Unid: 2244 QPSK 250bps DGPS info (MC)

2716 SAB: Goeteborg rdo 0950 ARQ sc xczf erererere. (BvR)

2727 DAN: Norddeich rdo 0952 ARQ cw marker. (BvR) DAN: Norddeich Rdo, D 0608 ARQ w/sitor free signal, CW ID. (RB)

2754.7 CKN: Vancouver Meteo, CA 0959 RTTY 75/850 RY says 4252.1/4268/6456/12751.1 KHZ. Never hrd on this freq before. (EW) (CKN is CANFORCE, Victoria BC - Great log from South Oz)

2766 Unid 0954 Unid 216/114 acf 84. (BvR)

2768.2 PHVNI: MOI Hannover 1002 ARQ-E 96/70 acf 56 idle (no id). (BvR)

2769.2 NGN Saarbrucken 1005 ARQ-E 96/85 (no id) idle. (BvR)

2769.9 NKN 1007 ARQ-E 96/208 acf 56 idle "zczc 003 hvfhe". (BvR)

2892.3 MTO: RN Rosyth 1015 RTTY 75 availability. (BvR) MGJ: Royal Navy, Faslane 0518 RTTY 75/850 availability list. (RB)

3010.9 Unid: 2126 RTTY 50/170 ends "ar ar ar ar ar ar ar ar ar ar ar ar" (MC)

3196 Prague Meteo, Czech Rep. 2232 RTTY 50/500 AAXX WX (MC)

3206.8 CSP: Portuguese Police 2247 FEC (CBRS mode) Police Reports in PP (MC)

3209.5 British Mil,?? 2129 Piccolo-12, crypto (MC)

3232 Unid: 0030 RTTY 75/850 USAF AWS synoptic wx. KAWN: USAF Omaha, Neb 0137 RTTY 75/888 wx-synoptic. (RT2)

3245 UCE: ARKHANGELSK rdo 1842 ARQ crew TG to UULU: TKH PAVLIN VENograd. (HOOD)

3272.9 German MOI, Duesseldorf 2244 ARQ-E 96/70 crypto lead-in "eeeeeeeee" on link (HFWN). (MC)

3278.2 Russian Mil,?? 1827 MS5 12 tone vocoder (3300Hz pilot), tcf (MC)

3278.8 CSP: Portuguese Police,??? 2052 FEC Police reports in PP headed "fm sec. tomar" (MC)

3282.5 British Mil,?? 2234 Piccolo-12, crypto (MC)

3291.5 WAFFA:: Oil Ops, Persian Gulf 2204 ARQ Daily progress reports from "dlbh1000" (MC)

3297 RPFNG: unk naval, Portugal 1955 RTTY 75/850 wkg RPSOB (Location/ frequency unk). (JD2)

3315 Unid: 1828 81-81 81/200 tcf (MC)

3365 JM3: Tokyo rdo, Japan 1043 FAX 120/576 wx map (EW)

3448.7 JMT: Toki PACTOR 100/200 7Plus coded data (CWCASBUA.7PL) (MC)

3472.7 Unid: 1834 PACTOR 200/200 tcf (MC)

3542.7 GKE1: PORTISHEAD rdo 2130 FEC N Atlantic Wx forecast. GKE1: PORTISHEAD rdo 0934 FEC N Atlantic wx (Dw)

3560 Unid: 1930 RTTY 50/850 sending Arabic text, w/ a ZCZC preamble and NNNN ending (KC) YKW1: SANA DAMASCUS 1850 RTTY 50/850 Press in ee. Poor copy (Dw)

3667.2 Tunisian/Egyptian Air Defense 2100 ARQ-E 46.2 tcf til 0300 (ANE)

3693.3 RFL1: French Forces, Fort de France, Martinique 0638 ARQ-E 192/135 (presumed), idling, should be C.I. IGE. (RB)

3693.6 RFLIGE: French Navy Cayenne French Guiana. 0441 ARQ-E 192/160. Relaying tcf for RFLIGCS. (PS)

3745 HZN: Jeddah Meteo, ARS 1953 RTTY 100/850 AAXX WX (MC) HZN: Jeddah Meteo 0140 RTTY 100/776 synoptic wx (RT2)

3756.7 RFL1: French Forces, Fort de France, Martinique 0640 ARQ-E 192/313 (presumed), idling, should be C.I. IRA. (RB)

3824.9 Russian PTT,?? 1917 OQPSK 1280bps UNID System, Paired w/ 3827 9KHz (MC)

3827.1 Russian PTT,?? 1918 OQPSK 1280bps UNID System, Paired w/ 3822.93KHz (MC)

3830 UNHCR, Zagreb 2120 ARQ Press reports in EE ends "de zag cu tmrw" (MC)

3832.7 FF Paris 2346 ARQ-M2 200 Paris to Sarajevo, can be hrd w/ ARQ-M2 200 using the very unusual 8 character repetition cycle. Normally the
French forces use 4 character rep. cycles. The 8 char. system peaks at 112 bits instead of the usual 56 bit cycle on the 4-CRC systems. (LD2)

3899.7 ETD3: Addis Ababa Air, Ethiopia 2208 RTTY 50/200 "ryrryrryry de etd3 de etd3 de etd3 reg qrk imi?" (MC)

3901.5 Umid: 0809 HF-Datalink System, Regular sync bursts (MC)

3907.2 Russian Mil,??? 1853 MS5 12 tone vocoder (3300Hz pilot), tfc (MC)

3917.2 Russian Mil,??? 1732 MS5 12 tone vocoder (3300Hz pilot), idle (MC)

4037.2 Russian Mil,??? 1853 MS5 12 tone vocoder (3300Hz pilot), crypto ends "%%%%%" (MC)

4039.7 German Forces,??? 2204 VFT: 3ch of 192/170 FEC-100, crypto ends "%%%%%" (MC)

4042 Umid: 2143 ARQ Chatter in Italian selcal "VFIM" (MC)

4058.5 NATO Mil,??? 1922 PSK 2400bps UNID PSK System (MC)

4173 GBB2: MV BALTIC EAGLE 0833 ARQ "can you find me some good wx ?". Selcal is 46405. (HOOD)

4177 YLBD: TK FRIDRIHS CANDERS 0826 ARQ admin from Km Charkhalashvili via GKQ. IBEE: MT ECO EUROPA 0828 ARQ rptng arrival Trieste pilots to IAR. (HOOD)

4180.5 P3VN5: Unid mv 0834 ARQ opr+? co/ch Ost. (BVR)

4202.5 UZUY: TKH TAMANSKIIY 1924 RTTY 50/170 msg in EE to Istanbul via URL. (HOOD)

4203 UROH: TKH GEORGJY AGAFONOV 1917 RTTY 50/170 admin from Km Kornev to USOS. (HOOD)

4210.5 IAR: ROME rdo 1927 ARQ tfc for UETV: TKH SOCOFU TRADE, Selcal 55954. (HOOD) WNU: Slide2 rdo LA US 1412 ARQ idler and CW cal (LVH)


4213 XSQ7: Guangzhou Radio PRC ARQ w/CW Marker. LSD836: Argentina Radio Argentina ARQ w/CW Marker (MS5)

4213.5 NOJ: USCg Kodak AK US 1408 ARQ idler and CW call (LVH) NOJ: USCg Kodak AK ARQ w/CW Marker. NOJ: Kodak ARQ AK ARQ w/CW Marker (MS5)

4214 KLB: Seattle rdo WA US 1407 ARQ idler and CW call (LVH) KLB: Seattle Radio WA ARQ w/CW Marker (MS5)

4215 WLO: Mobile rdo AL US 1409 ARQ idler and CW call (LVH) LGW3: ROGALAND rdo 0821 ARQ free idles and CW Marker "LGB tlx". (DW) 4215 VIP: Perth Radio, AUS. 1050 ARQ w/CW cw marker (EW) VIP: Perth Radio AUS ARQ w/cw Marker. (MS5)

4215.5 NOJ: USCg Kodak AK US 1408 ARQ idler and CW call (LVH) NOJ: USCg Kodak AK ARQ w/CW Marker. NOJ: Kodak ARQ AK ARQ w/CW Marker (MS5)

4216 KPH: San Francisco rdo CA US 1406 ARQ idler and CW call (LVH) KPH: San Francisco Radio ARQ/CW Marker (MS5)

4216.5 GCC: Chatham rdo MA US 1403 ARQ idler and CW call onlyID (LVH) GCC: Chatham Radio MA ARQ w/CW Marker (MS5)

4217 VCT: ??? Not listed in CFL?? ARQ w/CW Marker (Globe Wireless's Grand Banks Radio, Tors Cove Nfdld - LOGS) WLO: Mobile Radio AL ARQ w/CW Marker. (MS5)

4218 WLO: Mobile rdo AL US 1401. ARQ idler and CW cal (LVH) LPD: Gen. Pacheco Radio Argentina ARQ w/CW Marker (MS5)

4220.3 GYU: RN GIBRALTAR 2241 VFT on usb (DW)

4220.9 GYU: RN GIBRALTAR 2241 VFT RTTY 75/200 CARB. Chan 1 in VFT. "08a 12a GYU" (DW)

4221.4 GYU: RN GIBRALTAR 2245 VFT RTTY 75/85 4221.405. Chan 2 in vft. Idle on mark. Every two minutes burst of online encryption entry 64 reversals and vmtcngj (DW)

4222.0 GYU: RN GIBRALTAR 2013 VFT 4222.085. Chan 3 in vft. Mark tone keying but space tone missing (DW)

4222.8 GYU: RN GIBRALTAR 2039-12 VFT 75/850 4222.855. Chan 4 in vft. Online encrypted. Continuous. No app ACF (DW)

CARB lines separated w/ IDR8 until qso w/ ship (Q) finished. Then "/IDR8 o /" appears in CARBline for a while. Opr busy w/ rcvd tfc

4232 FUF: French Naval Fort de France Martinique RTTY 75 baud test msg

4268 CKN: Vancouver Meteo, CA 0957 RTTY 75/850 RY then wx map at 1001 (EW)

4270 CHF: CF HALIFAX 2231 RTTY 75/600 Met tfc inc forecast for Halifax

4271 FUJ: Noumea rdo, New Caledonia 1043 RTTY 75/850 RY line count (EW)

4280.8 Unid: 1047 UNID 100/850 cannot decode (EW)

4295 HWN: FN Paris, France 0221 RTTY 75/826 RY (RT2)

4300.5 KEJ: Hoolehua rdo HI US 1344 ARQ idler and CW call (LVH)

4316 JCC: Tokyo rdo, Japan 1046 FAX 60/288 Japanese text (EW)

4317 NMC: 1149 FAX sending sst charts (DW3)

4381.3 Unid: Egyptian Embassy? 0128 ARQ 100/425 w/ATUh80 tcf, weak. (RB)

4472.9 Russian PTT, ??? 2259 QO deveol 1280bps UNID System, Paired w/ 4477

4477.1 Russian PTT, ??? 2300 QO deveol 1280bps UNID System, Paired w/ 4472.9 kHz (MC)

4522.5 NATO Mil, ??? 1913 ANDVT, tcf (MC)

4524.5 prob SUU36: Cairo Meteo 0537 FAX (120/576) unid chart w/heavy QRM.(DW2)

4538 DDK2: German Wetterdienst Quickborn 1204 RTTY 50/449 ry's cq de ddk2
ddh7 ddk8 freq. 4583 7646 11638 kHz wx forecast in GG from Seeewetterdienst Hamburg. (PB) DDK2: HAMBURG MET 2106 RTTY 50/400 Met tcf. DDK2: HAMBURG MET 0857 RTTY 50/400 Met tcf in GG (DW)

4610 GFA: Bracknell Meteo UK 0826 FAX 120/576 wx chart (LVH)

4855 KAWN: USAF AWS 0323 FAX 120/576. All strong signals in NYC. //7398,

4966.5 NDT: USN Yokosuka, Japan 0702 FAX (120/576) w/wx chart. Good signal w/

5082.3 RFLI: FF Fort de France 0644 ARQ-E3 (192/364). Copied msg heading prior
to losing synch.(DW2) RFLI: 0323 ARQ-E3 192/363 idle (c/i IRT) (SS)

5100 AXM32: Melbourne Meteo, AUS. 0940 FAX 120/576 wx map (EW)

5102 Unid: GXQ, RN London? 0659 VFT (RB)

5106.7 Egyptian MFA, Cairo 2026 ARQ Calling Embassy Rome, selcal "XBVP" (MC)

5082 Unid 0105 ARQ-E3 192/352 partial decode Naval Gunfire .Vieques Island
P.R. in ee no location. (RT2) (prob RFLI on 5082.3)

5082.3 RFLI: FF Fort de France 0644 ARQ-E3 (192/364). Copied msg heading prior
to losing synch.(DW2) RFLI: 0323 ARQ-E3 192/363 idle (c/i IRT) (SS)

5100 AXM32: Melbourne Meteo, AUS. 0940 FAX 120/576 wx map (EW)

5102 Unid: GXQ, RN London? 0659 VFT (RB)

5106.7 Egyptian MFA, Cairo 2026 ARQ ATU-80 MSGs to many EU & AF embassies(MC)

5117.6 AAAUSA: unid MARS 0140 PACKET 300/170 wkg AAAAMRC w/ chatter.
Passed address as MN MTS APO AP 96224, w/ several ref's to this zip
code (96224). (DW2)

5118.6 Unid: 0433 PACKET 300 baud /unkn/ was only able to copy at0tid=>

MAIL FOR: ALLWAM /endit/ Probable MARS mailbox. (DT2)

5121 RFFHCA: FF Ajaccio 1928 ARQ-E 192 idle (no id). (BV)

5125 Unid: 1643 UNID 250/170 UNID ARQ System (MC)
WUNv02

5126.5 Unid: 2029 UNID 100/170 FSK UNID System, sync, cont, ACF=0 (MC)
5134 Unid 1155 ARQ-E 72/432 idling. (PB)
5164 Unid: 1645 PACTORh2 200/200 tfc (MC)
5169 Unid: 1625 Unid mode like Sitor A, 200/196. (BvR)
5194.6 Unid: 2032 UNID 250/170 UNID ARQ System, ACF=75 or 150 (MC)
5205 Unid: 1854 ARQ Unid mgs. (BvR)
5207.1 AT3TF: US Army MARS,??? 2114 PACKET 300/200 UI frames to "MAIL" and "ID" (MC)
5221 RFFFFCFA**: FF Trois Laval 1724 ARQ-E 72/400 MSGs in FF "fm deteocoltrans trois laval" (MC)
5227 Unid: 1846 RTTY 50/960 cont ryryryryry stop. (BvR)
5240 YZI213: TANJUG BELGRADE 2046 RTTY 50/500 170hz high. Press in EE (DW)
5261.6 prob NPN: USCG Guam 0844 FAX 120/576 w/wx chart, moderate fading (DW2)
5262 NPN: APRA Harbour Meteo, Guam 1105 FAX 120/576 wx map (EW)
5265.2 DER: GSP (Federal Border Police), Bonn 1049 ARQhE 72/85 channel 5 w/ encrypted tfc. (PB)
5301 German/Italian/Turk Diplo 2205 RS-ARQ 240.1bd tfc (MC)
5325 prob RC7WS: Alma Ata Meteo 0210 FAX 60/576 w/ wx chart. Heavy QRM prevented confirmation of id. (DW2)
5343.5 unid 0218 ARQ Ship ops report, odd freq. for maritime (ED)
5345.4 Unid: 0951 UNID 75/850 cannot decode (EW)
5363.5 NATO Mil ??? 1941 PsK 2400bps UNID System (MC)
5392 Unid: 1942 81-81 250 tfc (MC)
5397.7 RFFP: MOD Paris 1935 ARQhE 72/400 idle (no id). (BvR) prob MOD Paris 0258 ARQhE (200/340) w/ idles (DW2) RFFP: MoD Paris, F 0716 ARQ-M2 200/342 w/Ch.A/B idle, later w/Controle de Voie on Ch.A. (RB)
5400 YOG37: Bucharest Meteo, ROU 0719 RTTY 50/400 w/conclusion of AAXX wx b/cast to tone. (RB)
5405 JM32: Tokyo Meteo 0856 FAX 120/576 w/good quality wx chart(DW2) JM32: Tokyo Meteo 1245 FAX too weak to get good chart (DW3) JM32: Tokyo Meteo, Japan 1107 FAX 120/576 wx map (EW)
5413.1 Unid: 0420 Unid RTTY (IRA?) 110/160. (DW2) Unid: 0739 Unid 110/167 w/unid mode, sounds same as other unid 110 baud modes. (RB)
5414.1 Unid 1408 UNID-MODE 200/430. Unable to id w/ C3-Gold (DW2)
5425 unid: MFA Bucharest??? 0617 ROU-FEC (164.35/289). Baud rate cked several times, but unable to synch up to signal due to lack of signal strength. Down at 0623 (DW2)
5430 Unid: 0812 ARQ-E 192/400 idling (DG)
5457 Unid: 1648 ARQ-E 72/200 c/i UFA (DG)
5457.7 Russian Mil,??? 0734 UNID 200/500 UNID System, sync, cont, ACF=0 (MC)
5494 Unid: 1913 ARQ RTTY 50/150 cont ryryryryry stop. (BvR)
5495 Unid: 2125 UNID 50/1000 UNID System, idle on reversals (MC)
5591.7 OM3UN PACKET 300 w/OM3ASR (later 5548.7) this is the Czech UNPROFOR/ IFOR link. (J2)
5602.2 Russian Mil,??? 1904 MS5 12 tone vocoder (3300Hz pilot), tfc (MC)
5605.6 L2S8 RTTY 50, Coded tfc w/Ljubljana?.. (J2)
5725.9 Unid: 2257 RTTY 50/400 AAXX wx for Romanian land stations (MC)
5731 YRR4: Bucharest Meteo, ROU 2105 RTTY 50/425 AXXX meteo reports. (RB)
5739.5 Unid: 0220 AUTOSPEC? 103.24/380 Code 3 Gold id'd and synched as AUTOSPEC 50. No tfc noted except r's. (DW2)
5739.6 UNID: 0225 unid mode 98/380 idles. Slight chugging sound to signal. Had similar signal on 5739.5. c'dn't get synch w/ any mode. (DW2)
5744 Unid: 0305 PICCOLO/CIS Multitone. 6 tone system. Code 3 Gold alternately id'd as Piccolo (20bd) and Russian multitone. (MC)
5755 AXI32: Darwin Meteo 1053 FAX (120/576) w/wx chart. (DW2)
5794 German/Italian/TurkDiplo 1705 RS-ARQ 240.1bd tfc (MC)
5797 Tunisian MOI, Monastir 1547 RTTY 50/170 ATU-80 MSGs passport details end "kkfkkf" as 3331kHz (MC)
5807 ZKLF: Auckland Meteo 1427 FAX 120/576 w/wx chart. (DW2) ZKLF: Auckland Meteo, New Zealand 1109 FAX 120/576 wx map (EW)
5828 unid 1122 RTTY 500/75 Bulgarian Nx agency - Nx Bulgarian (CK) (more 1854 ARQ UNID mode likely MFA Sofia w/diplo nx summary - LOGS)
5857.5 HLL8: Seoul Meteo 1057 FAX (120/576) w/"No Report" fax.(DW2) HLL8: Seoul Meteo, South Korea 1111 FAX 120/576 wx map (EW)
5859 DDF516: unk Germany 1125 RTTY 50/170 callsign & RY's only. (J2)
5879.7 Unid 0812 ARQ-E3 192/396 idling (RFFA Paris?) (PB)
5905.5 Unid 0430 RTTY 75/850 AERO wx originating from "KAWN'Carswell AFB NM terminal wx (DT2)

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5938  Unid 1145 ARQ-E 192/383 idling. (PB) 
6214.5 SAB301: Goteborg rdo 0848 ARQ selcal KUFX (PB) 
6235.5 Unid: 0732 PACTOR no synch on weak signal. (RB) 
6237.7 SMZP: M/v Birdie 1745 ARQ tlx tcf. (BvR) 
6243  Unid 1800 Unid mode 81/140. (BvR) (prob 81h81 h LOGS) 
6263  9HLY3: M/V LEVANDES 0634 ARQ W/tlx. Login 26001 LEVANT. LXDN: M/V CRYSTAL PIONEER 1805 ARQ W/tlx. Login 29409 LXDN (WT) 
6263.5 LAIJ2: M/V DYVI BALTIC 0720 ARQ RX only, Login 26900 LIAK2 (WT) 
6265.5 C6KJ5: M/V Bernardo Quintana 0623 ARQ 60,573 DWT bulk carrier, w/BBXX wx obs. (RB) 
6269  SZMV: M/V PARASKEVI M. Y. 1740 ARQ ckin, QRU. Login 16715 SZME. (WT) 
6270  D4BG: M/V VALMA 0110 ARQ W/tlx re 11 stowaways. Login 70136 VILMA. (WT) 
6273  UNID: M/V QUEEN 0425 ARQ W/dirtlx. 1822N 06319W. Selcall 36556. (WT) 
6281  WMGL: Tyson Lykes 1420 ARQ tlx re revised ETA Houston. (AB2) 
6282.5 ELRL9: M/V Bornes 2357 ARQ 88,950 DWT Liberian-flagged oil tanker w/ ships status report via CUL after sending selcall KPCV (3560 for CUL, Lisbon rdo, Portugal). (RB) 
6288  Unid 0844 RTTY 100R/850 encrypted tcf (IGJ43?) (PB) 
6305  3FGV2: SS SEABREEZE I 0110 FEC W/msg re two pax missing in Cozumel. (WT) 
6312  GMDSS CHANNEL 0824 GMDSS 100/170 Nr of packets incl one distress relay from unid (uscg?) coaststation MMSI o 99995. (DW) 
6314.5 SAB301: Goeteborg rdo Sweden 2236 ARQ W/idler then ship msg tcf. (LVH) 
6315  GKE3: Portishead rdo UK 2233 ARQ w/idler and callsign only CW marker. ZLA: Awawora rdo New Zealand 1320 ARQ W/idler and callsign only CW marker (LVH) GKE3: PORTISHEAD rdo 2134 FEC N Atlantic wx forecast. GKE3: PORTISHEAD rdo 0931 FEC N Atlantic wx (DW) 
6315.5 USU: Mariupol rdo Ukraine 2234 ARQ W/idler and callsign only CW marker. KFS: Palo Alto rdo CA US 1317 ARQ W/idler and callsign only CW marker (LVH) 
6317  WLO: Mobile rdo AL US 1710 ARQ W/idle & callsign only CW marker. KFS: Palo Alto rdo CA US 1317 ARQ W/idler and callsign only CW marker (LVH) 
6318  WLO: Mobile rdo AL US 1710 ARQ W/idle & callsign only CW marker weak. (LVH) 
6318.5 IDRT3: IN ROME 0617 RTTY 75/850 availability bdct (Dg) KLB: Seattle rdo WA US 2226 ARQ W/idler and callsign only CW marker weak. (LVH) IDRT3: Italian Navy Rome 1345 RTTY 75R/850 CARB availability "igj41/igj42/igj43/idr2/idr3/idr4/idr5" QRM from LGB Rogaland rdo W/CW-marker and ARQ mode. (PB) 
6319 WLO: Mobile rdo AL US 1710. ARQ W/idle & callsign only CW marker (LVH) WLO: MOBILE rdo 0830 ARQ End qso w/unid ship. Marker "WLO" and free idles. (DW) 
6320  DAN: Norddeich rdo Germany 2222 ARQ W/idler and callsign only CW marker. KPH: San Francisco rdo CA US 1313 ARQ W/idler and callsign only CW marker (LVH) 
6320.5 FFT: St. Lys rdo France 2220 ARQ W/idler and callsign only CW marker. 9VG: Singapore rdo Singapore 1313 ARQ W/idler and callsign only CW marker (LVH) 
6322  OSTM: Oostende rdo Belgium 2217 ARQ W/idler and callsign only CW marker weak. (LVH) 
6323.5 NMC: USCG San Francisco CA US 1309 ARQ W/idler and callsign only CW marker (LVH) 
6324  WCC: Chatham rdo MA US 2211 ARQ W/idler and callsign only CW marker (LVH) 
6324.5 KPH: San Francisco rdo CA US 2210 ARQ W/idler and callsign only CW marker weak (LVH) 
6325.5 WLO: MOBILE rdo 0836 ARQ free idles and CW Marker "WLO". (DW) WLO: Mobile rdo AL US 1708 ARQ W/idler and callsign only CW marker weak (LVH) KEJ: Hoolehua rdo HI US 1307 ARQ W/idler and callsign only CW marker (LVH) 
6326  USU: Mariupol rdo Ukraine 2207 ARQ W/idler and callsign only CW marker (LVH) 
6327  WNU: Slidell rdo LA US 1707 ARQ W/idler and callsign only CW marker (LVH) 
6327.5 WLO: 0448 ARQ sending wx advisory to callsign C6IP3 (DT2) 
6329  WNU: 1731 ARQ Night Desk Will Be Manned 1-813-27X-XXX Capt Rj Meiczinger Tampa Lyjes Genevieve Installing Marinesat Equip Weekly Pagina 1085
6929 Unid 1129 ARQ-E 192/217 idling (PB)

6936.7 RFLI: French Forces, Fort de France 0806 ARQ-E 192/400 w/Controle de Voie on c.i. LIJ. (RB)

6946.5 MKK: London 1017 PICCOLO MK-6 op msgs.(ED)

6950 prob: RJK78: Kiev rdo 0820 FAX (60/576) w/very faint wx chart. Moderate QRN. (DW2)

6955 "RFFXCCS" Favieres, France 1041 ARQ-E 72/400 C. I. = "CXX."(ED)

6961.9 Norwegian E, St.Petersburg 0700 TWINPLEX 100/400 Operator chat to MFA Oslo, selcall "FKBM" (MC)

6962.2 Unid: 1129 FEC-A 192 Unid encrypted 1137 s/off after 1137 enc.

6963.9 poss FF CAYENNE, French Guiana 0255 ARQhE 192/140 w/idles.(DW2)

6968.9 Russian M1,?? 2052 MS5 12 tone vocoder (3300Hz pilot), tfc (MC)

6972 YOG59: Rompress 1815 RTTY 50 nx EE. (BvR) ROMPRES BUCHAREST (YOG59) 1800 RTTY 50/500 Marker "yr's la's qra de YOG59 - frequency 6.972 kcs /mpresses - bucharest". Note re 3/Nov and presidential/parliamentary elections in Romania ROMPRES operating workday schedules (DW)

6978 Unid: 0030. Unid digital mode resembles ASCII. (PS)

7305 JMH: Tokyo Meteo 0633 FAX (120/576) wx chart. (DW2) JMH: Tokyo Meteo, Japan 1113 FAX 120/576 wx map (EW) JMH: Tokyo Meteo 0530 FAX 120/576/W/ Pacific Surface Analysis Polar Projection (Good). (WT)

7309.7 RFLIG: FF Cayenne, French Guiana 0912 ARQhE 72/400 idle (EW)

7319 SUU: Cairo Meteo, Egypt 0852 RTTY 100/850 AAXX and TTAA WX (MC)

7336 poss FF CAYENNE, French Guiana 0255 ARQ-E 192/140 w/idles.(DW2)

7398 SNN299: MFA Warsaw, POL 0816 POLhARQ 100/285 (assumed) weak, poor synch ability, little text. (RB)

7402 unid 0104 ARQ 100/400 wide shifted , all encrypt. (ED)

7405 HZN: Jeddah Meteo 1639 RTTY 100/850 wx tcf (DG)

7408 unid 0104 ARQ-E 288/352 acf 56 encrypted. (BvR)

7410 unid 1445 IRA? 110/150, unable to id w/C3hGold. (DW2)

7413.9 Unid: 0030. Unid digital mode resembles ASCII. (PS)

7415.2 RFLIG: FF Cayenne, French Guiana, 0238 ARQ-E 192/425 idle (SS)

7423 5YE: 0401 RTTY 50/425 Nairobi Air Kenya. Test slip (MS4)

7456.8 MKD: RAF Akrotiri, Cyprus 1725 VFT B7B unkeyed VFT both sidebands; wkg MKK, Bampton, UK. (JD2)

7461 5YE: Nairobi Meteo Kenya 0053 RTTY 100 baud w/ RY test tape (LVH)

7484 SNN299: MFA Warsaw, POL 0816 POL-ARQ 100/285 (assumed) weak, poor synch ability, little text. (RB)

7510 HZN: Jeddah Meteo 1639 RTTY 100/850 wx tcf (DG)

7514.9 RFLIG: FF Cayenne, French Guiana, 0238 ARQ-E 192/425 idle (SS)

7520 B2P57: Xinhua 1831 RTTY 75 nx EE. (BvR) B2P57/BZR: XINHUA nx, Beijing 0016 RTTY 75/500 "ryryryry qra qra de b2p57/bzr67..." (MC)

7542.7 RFTJD: FF Libreville Gabon 2240 ARQ-E 192/400 w/return of C de V to RFTJ cct JDJ, QSX was 7705.7 (ML2)

7564.5 YIX75: INA nx, Baghdad 1820 RTTY 50/400 NX in Arabic (MC)

7586 unid 0728 81h81 81/250 tcf (MC)

7603.9 Unid: 1129 FEC-A 192 Unid encrypted 1551 s/off after 1137 enc.

7610 NSY: USAF Sigonella, Sicily 1500 ISB voice on USB, wkg A30, Incirlik, TUR, on 8092. (JD2)

7613.9 Unid: 0030. Unid digital mode resembles ASCII. (PS)

7616.2 Unid 0730 FSK 300/200 w/3 sec bursts as per log by Mike Chace. (RB)

7622 SNN299: MFA Warsaw 1135 POL-ARQ 100/279 tcf in PP (PB)

7642 MKK: London 0209 PICCOLO MK-6 QSY to F4.(ED)

7643.2 RFLIG: FF Cayenne, GUF 0238 ARQ-E 192/425 idle (SS)
7643.7 RFLIG: FF Cayenne, GUF 0721 ARQ-E3 192/400 (presumed) idling. (RB)
7644.3 RFVI: FF, Le Port, Reunion 2015 ARQ-E3 100 bd w/kg RFQP on C.I. RUN. (3D2)
7646 DDH7: HAMBURG MET 0859 RTTY 50/400 Met tfc in GG. SYNOP then marker “Co de DDH2/DDH7/DDH8 frequencies 4583 7646 11638 Khz”. (DW)
7658 YZ2T23: TANJUG BELGRADE 2048 RTTY 50/400 90hz high. Press in EE (DW)
7670 RCC76: Moscow Meteo, CIS 2105 FAX 90/576 wx map (EW)
7672.5 National Guard, ARS 1656 ARS-GUARD 125/150 ACF=96 (MC)
7676.1 GXQ: Navy Whitehall, UK 2108 VFT RTTY 50/170 on ch, RYI foxes (EW)
7693 3BT3: Vacoas Meteo Mauritius 0038 RTTY w/ 75 baud coded wx then tropical storm warning for TS in Indian Ocean (LVH)
7718.3 unid 1139 ARQ-TD2 128.5/90 Idle. (ED)
7720.8 AAA6USA: USA Mars Ft Sam Houston, San Antonio 1459 Packet 300/170 wkg AAT6TNM: unid Mars w/msg re Cmd Net for 30 Nov (Zulu) being cancelled (DW2)
7784 USAF AWS Ceiba Puerto Rico 0031 RTTY 75bd w/ coded aviation wx (LVH) KAWN?? 1230 RTTY 74/850 clear text ee/synoptic wx. (RT2)
7784 unid: Roosevelt Roads rdo,?? USA 2112 KAWN wx info(EW)
7784 Unid: 1347 Unid 81/246. (BvR) (prob 81h81 h LOGS)
7784 Unid: 1637 UNID 162/200 UNID FSK System, Double speed 81h81? (MC)
7790.6 Algerian Customs? 1900 COQUELET-8 26.7bd "je recu a ada nrs: 31 8345 8377..." (MC)
7815.3 BAA22: Beijing Meteo, China 1034 RTTY 50/850 wx information (EW)
7828 Russian Diplo,?? 1605 CROWDh36 tfc (MC)
7828.1 V5G: MFA Bucharest 1100 CW w/callsign and into tfc. At 1102, into Pagina 1088
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ROU-FEC 164.65/293 w/online-encrypted tfc. Good synch on signal.
Started losing synch around 1114 due to QRM. Signal down at 1120. (DW2)

8050.2 prob RFQP: FF Jibuti 2126 ARQ-M2 (200/280) w/idles. (DW2) RFQP: FF Jibuti 0200 ARQ-M2 199/1000 idle presumed. (RT2)

8070 DOR:Bulgarian MFA, Sofia 2154 RTTY 75/500 Press review in Bulgarian (MC)
8075.7 unid 0028 UNID 144/170 not FEC-A, appeared random in Bit Analysis. (ED)
8084.3 MKK: RAF London 1220 RTTY 50/340 "the quick brown ...ryry de MKK". (PB)
8092 A3O: USAF Incirlik, TUR 1500 VFT 6028 on USB, ISB voice on LSB, wkg NSY on 7572.5. (JD2)
8099.3 DOR: MFA Sofia 1256 RTTY 75/500 "ryry, zar 300" then go into 300bd speed but not to decode (is not ASCII or Baudot). (PB)

8129.5 Unid: 1731 VFT: 7ch of 75/170 FSK UNID System, type 6028 (MC)
8131.7 Italian Diplo/Mil,??? 0848 UNID 1200bd UNID FSK System (MC)
8140 prob BMB: T'ai'pei Meteo 1520 FAX 120/576. Audible but unable to get good picture due to heavy QRM. (DN)

8146.6 IMB55: Rome Meteo Italy 0001 FAX w/ wxchart (LVH)
8150.4 PBB: Dutch Navy Den Helder RTTY 75/850 CARB availability msgs. (PB)
8151 NNN0FZQ: USN MARS Region 37 1527 PACTOR 200/200, Heavy QRM from nearby voice comms. Difficult to get steady synch. (DW2) IGJ44: Italian Navy Auguste 1334 RTTY 75/850 CARB availability "igj41/igj42/igj43/idr2/idr3/idr4/idrs". IGJ44: Italian Navy Augusta 0732 RTTY 100R/850 CARB "IGJ44/IGJ42po/IGJ43o/IDR3/IDR4/IDR5" (PB)
8157.6 MKD: RAF Akrotiri 1322 RTTY 50/340 "the quick brown ..ryry de MKD"(PB)
8165 DGZG:MFA BELGRADE 0824 RTTY 75/500 Marker "lms lms ry's" then bk-qsl "znn gb 73 88 sk ??". Offair (DW2)
8176.4 HXP: St Denis Meteo, Reunion 1800 RTTY 75/400 wx for E. African coastal areas & Antarctic Islands. (JD2)
8182.7 Unid: PACTOR 300 station in FF. Sarajevko-Paris link, probably MSF. (J2)

8186.7 Egyptian MFA, Cairo 2141 ARQ idle in IRS mode (MC)
8225 3ETG9: M/S Royal Majesty 2258 ARQ Majesty Cruise Lines 32,400 DWT cruiseship ckg/wkg WOO re R/T tcf holding for ship. (RB)
8255.4 poss CCS: Chile Naval Santiago 0048 RTTY 100/800/wmeo report for Antarctic waters. Ref to the Chilean Navy training ship, the 4hmasted schooner Esmeralda (BEh43). Thanks RD! (DW2)
8272.7 Egyptian MFA, Cairo 1727 ARQ Calling Embassy London selcal "XBVY" (MC)
8303 LOR: AN Puerto Belgrano ARG 0045 RTTY 75/750 W/"WUS DE LOR" then msgs in 5LG. (WT)
8330.3 RH2Z: FF Noumea,NCL 1317 ARQ-E3 192/336 (RT2)
8331.5 GYA: RN London 0955 FAX 120/576 wx fax (DG)
8338.1 DHI35: German Navy Wilhelmshaven 2020 RTTY 150/170 (VFT) msg begins w/ ryry then go over to encrypted tcf. (PB)
8345 Greek Maritime Net 2113 ARQ w/partial login 17076 -ARA?, sends selcall MPKV (QXS should be 8408 per WUN posts). (RB)
8361.8 Greek Maritime Net 2303 ARQ Unid sending selcall's TVQV, TVXS, TVXV; ships noted: M/V Gnik, Voyager & Trym. (RB)
8377.5 DBAN: MV Fritz Behrens 0254 ARQ w/selcal XVSY(NMN:USCG Portsmouth). (DW2) WLVD: SS LURLINE 1951 ARQ w/tlx. Login 10987 WLVD. Unid: 2035 ARQ/ CLOVER-2 Sent a line of numbers in ARQ then went to Clover II. 3EYB6: M/V KUDU 0105 ARQ w/tlx. Login 42577 3EYB6. (WT)
8397 ELIG7: Indian Ocean 0336 ARQ tcf via WLO. LAY4: Consensus Manitou 1306 ARQ tcf (AB2) ELBM4: M/T Alden W. Clausen 0011 ARQ 35,588 DWT Liberian-flagged Chevron tanker w/BBXX wx obs. 3EAW7: M/V Pacific Rider 2320 ARQ 11,457 DWT Ro/ro car carrier, w/ETA Valapaiso (Chile), logged in Feb.96 as Sea Rider, now back to original name. (RB)
8399.5 JJHU: M/V NOSHIRO MARU 2240 ARQ wkg NOJ USCG Kodiak, 3356N 11905W. Login 27087 JJHU. (WT)
WUNhv02

8380.5 9MBR8: Puteri Delima 1145 ARQ tcf meteo, Singapore. LAER2: Aries 1252 ARQ tcf. (AB2)

8381 SYOC: M/V ANGELIC SPIRIT 0445 ARQ w/tlx sailed Long Beach. Login 16701 SYOC. (WT)

8381.5 8383: Hanbonn Brother? 1307 ARQ tcf. (AB2) YLBB: MK Vasiliys Struve 0031 ARQ 6,400 DWT Latvian-flagged general cargo vsl, w/list of parts needed for crane to Riga. 9HOJ3: M/V Velebit 0122 ARQ 42,249 DWT bulk carrier, w/tlx tcf. (RB)

8382 JMMU: Kaiwo Maru 1339 ARQ OBS msg. (AB2) ESAC: ML SOODLA 1027 ARQ admin to ESA.(HOOD)

8382.5 BROO: JIN JI LING 2058 ARQ 2115N 11841W. Eta Balboa. Login 20151 BROO. (WT)

8383 SXNU: M/V Ruby 0342 ARQ 2,450 DWT bulk carrier, w/posn 1344N/6755W, ETA SW pass, login 16939 SXNU. SYIZ: Asphalt Leader 2220 ARQ 32,265 DWT tanker w/tlx in unk language. SWWQ: M/T Argonaftis 2226 ARQ 157,696 DWT tanker w/msg ck. SWUX: M/V Anangel Splender 2342 ARQ 164,110 DWT bulk carrier, w/tlx for posn 1749N/8247W, ETA Puerto de Tarragona (Spain) via SVA, login 29596 SWUX. (RB) SYCY: M/T ASPHALT CHAMPION 0048 ARQ w/tlx. (WT)

8384.5 SBDH: United Moonlight 0550 ARQ 55,272 DWT tanker w/AMVER tfc, login 26823 OTMOON. (RB)

8385 SYON: Unid 0025 ARQ ETA Port Arthur, selcall 48725. (AB2)

8385.5 UIDK: TKH VALENTIN KHUTORSKIY 0824 ARQ admin (in Eng) to Budapest via HEC.(HOOD) WXBZ: Potomac Trader 0537 ARQ w/amended ETA Eta San Francisco login, 11180 WXBZ. (RB)

8386 WBXZ: MV LAWRENCE H GIANELLO 1013 ARQ BBXX from 34.3N 39.7W.(HOOD) WEZD: SS CHIEF GADAO 2354 ARQ w/AMVER/PR, 4020N 13346W. Login 10867 WEZD. WTST: SS LIHUE 1745 ARQ In OPR+ mode trying to get clearance from Plead Control. C6FA3: KENNETH T. DERR 2049 ARQ w/Amver/SP. Los Angeles to San Francisco. (WT)

8386.5 UBDB: Koulikovo 1233 ARQ tcf, selcall 53075. P3FP7: Super As--- 1536 ARQ tcf to agent on Ho Chi Minh City. UBDB: Koulikovo 1233 ARQ tcf, used selcall 53075. (AB2)

8387 SVEJ: Sea Trident 1420 ARQ tcf for Long Beach & Seoul, selcall 16985. (AB2) BROO: M/V Jin Ji Ling 0553 ARQ Chinese- flagged 20,333 DWT bulk carrier (Guangzhou Maritime) w/posn tlx, 1635N/10118W, amended ETA Salina Cruz (Mexico), login 20151 BROO. (RB) C6KB2: M/V AUK ARROW 0027 ARQ w/Amver/PR. Login 70061 AUKA. C6MF7: M/T TORBIN SPIRIT 0030 ARQ w/wx Obs (BBXX). Login 27645 TBSP. (WT)

8389.5 LASB4: Santos 1158 ARQ tcf. C6MC5: Chevron Employee Pride 1304 ARQ OBS tcf. C6IN4: Hoegh Merchant 1328 ARQ AMVER msg. (AB2) ATZN: M/V LOK KERTI 0025 ARQ cking in for trf. Login 23728 ATZN. (WT)

8390.5 3FAL6: Crown Emerald 0615 ARQ 9,800 DWT reefer (NYK) w/AMVER tfc, login 71153 CEME. (RB)

8391.5 YLBW: MT Mayori 0659 ARQ 9,060 DWT w/posn 3710N/00245E, ETA Gibraltar. (RB)

8392 UBWS: RKTS Nikolay Filchenkov 0651 RTTY 50/170 Ukrainian fishing trawler /reezer w/RYRR/DE to URL, Sevastopol rdo., no joy here. (RB)

8392.5 UTHB: TK I. Erenburg (I'Ilya Erenburg) 0233 ARQ w/ DISP/1 msg fm KM Marchenko. Garbled due to QRM fm nearby ARQ signal. (DW2) UCVR: TK GENERAL TYULENEV 1016 ARQ admin from Km Ludchenko to UFN.(HOOD) UZSE: TK Adygeya 2358 ARQ 62,322 DWT Ukrainian tanker (Novoship) w/tcf, also sends for the Ukr. 109,640 DWT combination vsl, TKH Boris Butoma, URUS. UZXU: TK Geroi Sevastopolya 0010 ARQ 55,870 DWT tanker (Novorossiysk Shpg) w/crew TG's via UGW. 9HMX3: TK Novomir 1 0025 ARQ 23,330 DWT Russian crewed tanker (Novoship UK) w/crew TG's to Novorossiysk via UGW. EOIW: TKH Sergey Lemchev 0651 ARQ w/crew TG's. EODX: TK Sorokalieta Pobody 2313 ARQ 67,980 DWT tanker (Novoship) w/log in for msg, login 56637 EODX. UVLQ: TKH Marshall Zhukov 2350 ARQ 59,638 DWT bulk carrier, w/NVRCHEM tfc, also sends tcf for UERJ, TKH Petr Schmidt; UBLA, Mekhanik Slauta; & EOJW, TKH Sergey Lemchev (DISP-1 report).

8393 BPDF: unid 1430 ARQ tcf. BPMZ: Zhen Fen 3 1436 ARQ tcf. BPEQ: Sen Hai I 1411 ARQ tcf. BPLI: Kang Zhou 1423 ARQ tcf. BPBF: Hai Hua 1445 ARQ tcf. (AB2) BOPC: AN PING 3 1805 ARQ w/posn 4151N 13220W. Login 20123 ANPING3. (WT)

8393.5 SLTC: M/V Serena Sky 0617 ARQ w/AMVER/PR, 154,934 DWT tanker (at Philadelphia), login 636005630 SLTC. (RB)
WUNhv02

8394  C6KU7: English Star 1219 ARQ OBS tfc. (AB2) P3AA3: M/V Epta 0200 ARQ 26,060 DWT bulk carrier w/berthing report (no location given). ELRU3: M/V Seaboard Universe 2120 ARQ 9,200 DWT Liberian-flagged Ro/Ro cargo ship, w/tlx reporting underway from St Thomas, ETA Miami, login 02834 ELRU3. (RB)

8394.5  UHCM: RTMA Lenonogorsk 0526 ARQ 2,652 DWT Russian fishing trawler/freezer, Atlantic-class w/crew TG's. (RB)

8395  WBN5981: Monitor (tug) 0619 ARQ w/tlx to "Disp JAX" (WPE?) re dep San Juan sea buoy, login 59810 WBN5981, Crowley tugs must be a recent addition to Globe Wireless. (RB)

8395.5  V2LY: M/V Aivik 2144 ARQ 4,855 DWT Ro/Ro cargo ship, w/tlx tfc, also used c/s VOPP, both show as vsl, login 02969 AIVIK. (RB)

8396  LYDG: ML KELME 0842 RTTY 50/170 svc msg to LYK. LYCK: ML NIDA 0907 RTTY 50/170 admin from Km Basiuk to LYK. (HOOD) DVRD: M/V General Tirona 0802 ARQ 29,095 DWT bulk carrier, w/tlx, login 26420 DVRD. (RB)

8397  UCOM: TKH YAKOV REZNICHENKO 0836 ARQ admin (in Eng) to NORSHIP HONNIGSVAG via UCE (is ex UKFQ). (HOOD)

8397.1  UJKG; TKH  KONSTANTIN YOUN 1848 ARQ admin to UCE, vsl bnd Malaga to Runcorn, England (ITU now gives as UCMS). (HOOD)

8397.2  UCNB: TKH PARKOLOVO 0822 ARQ psn rpt to UCE from Km Smirnov (ex URYH). (HOOD)

8397.3  UCBM: TKH MEKHANIK PUSTOSHNYY 0831 ARQ admin from Km Karpenkov to UCE. (Note UCE paired freq is 8549 ). (HOOD)

8397.5  J8FS6: TKH CITY OF TOBOLSK 0825 ARQ admin (in Eng) to EUROSTAR OPERATIONS DEPT for crew wages via SAB. (HOOD) ENZZ: TK General Merkhiladze 2149 ARQ 27,840 DWT tanker w/crew info tlx from master KM Kadzhaya, login 55310 ENZZ. (RB)

8397.6  LYCK: M/L Nida 2141 RTTY 50/170 2,180 DWT dry cargo vsl w/crew TG's to Klaipeda. (RB)

8397.9  N/A: TR Anetiya 2034 RTTY 50/170 crew TG's to Odessa (UUI), vsl bound Port Durban (S. Africa). (RB)

8401  3FLJ3: M/T Linkuva 2153 RTTY 50/170 5,873 DWT tanker w/tlx Lavinia Athens re delay in ETA, is Ex-UHNP, and prefix was "TM". (RB)

8401.5  USJZ: PB SERGEY VASILISIN 2004 RTTY 50/170 admin from Km Krasnik to UIJW. (HOOD) USGW: TKH Ismailtsya 1937 RTTY 50/170 9,056 DWT Ukrainian-flagged general cargo ship, w/RYRY/DE to UIJ, then passes DISP-1 report from master KM Pogorelskiy. UWFL: TKH Serov 0613 RTTY 50/170 8,874 DWT gen cargo vsl, w/admin TG to Odessa rdo from master KM Lyahovetskiy. UUOO: TKH Kapitan Georgiy Baglay 2037 RTTY 50/170 16,355 DWT Ukrainian dry cargo vsl, w/crew TG's (ODS/UMF). (RB)

8401.6  3FKW4: TR REF VEGA 2019 RTTY 50/170 crew TG's to UIW (vsl is ex BEREG YUNOSTI, UPBC). (HOOD)

8401.7  UWKV: TSM KOLOMENSKOYE 0845 RTTY 50/170 admin from Km Smirnov to ODS/UMF via UIW. (HOOD)

8402  UYBV: TKH Novoshakhtinsk 0756 RTTY 50/170 Ukrainian 3,327 DWT cargo vsl, w/E/T&A & posn (3755N/2624W). (RB)

8402.5  UUWZ: TSM KOLOMENSKOYE 0845 RTTY 50/170 admin from Km Marchenko to UIW. (HOOD) UOZO: RTMKs Porechye 2040 RTTY 50/170 Russian stern ramped super fishing trawler/super Freezer, w/RYRY/DE to UIW, & into crew TG's to K-grad. (RB) ESMD: RTMS Kormoran 2045 RTTY 50/170 3,941 DWT Estonian super fishing trawler/super Freezer (Rybolovnyy Trauler Morilzhnyy) w/RYRY/DE to UIW, K-grad, then w/fax tlx to Morocco re amended ETA to same, w/hull# ID RTMS 753. URWH: TR Bukhta 2239 RTTY 50/170 4,900 DWT reefer/fish carrier w/admin TG's to DPR Vladivostok Vostoktransflot from KM Dozerets. UZNV: RKTS Konstrukor Koliv 1940 RTTY 50/170 Ukrainian 3,977 DWT fishing/trawler/freezer, w/RYRY/DE to URL, & into crew TG's. UOKV: TR Kapitan Pyrakha 2226 RTTY 50/170 5,250 DWT Russian reefer w/crew TG's, vsl bound Puerto Rico. (RB)

8403  OUZG2: Joergen Lauritzen 1418 ARQ tfc in Danish, (AB2) UIAD: BMRT Altay 1955 RTTY 50/170 3,990 DWT Russian long range/endurance large freezer/factory trawler w/RYRY/DE & admin tfc to Murmansk Traflflot from master KM Audrosov using hull ID MB-0110, vsl bound Port Said, Egypt. (RB)

8403.5  S/Kormoran, from master KM Serov. UUUB: RKTS Marshal Sudets 2035 RTTY 50/170 3,977 DWT Ukrainian fishing/trawler/freezer, w/admin TG's from master, KM Achauanova. (RB)

8405  USOM: TKH DEDOVSK 0755 RTTY 50/170 admin (in Eng) to Istanbul from Km
Guzik via UAT. (HOOD)

8406  UDHK: TKH MURMAN  0841 RTTY 50/170 admin w/ eta for Ceuta to UAT.  (HOOD)

8406.5 UNID: BUHTA OMEGA 0430 RTTY 50/170 w/tlg's in RR. (WT)

8407.5 UNIX: PR RUS 0830 RTTY 50/170 crew TGs to UIW. (HOOD)

8408  UXV: LEONID IVANOV (MBh0018) 0829 RTTY 50/170 admin to UDK2 for MURMANSK BVC SEVRYBA. (HOOD)

8414.5 GMDSS CHANNEL 1020 GMDSS 100/170 Monitor to disc. GMDSS CHANNEL 0817 GMDSS 100/170 8 packets (non distress) in 4 hours (DW)

8417  GKE4: Portside rdo UK 0407 ARQ w/ idler and callsign only CW marker (LVH)

8417.5 KFS: Palo Alto rdo CA US 1358 ARQ w/ idler and callsign only CW marker (LVH)

8418  LGB: Rogaland rdo Norway 0404 ARQ w/ idler and callsign only CW marker (LVH)

8419  WLO: Mobile rdo AL US 1355 ARQ w/ idler and callsign only CW marker VIP: Perth rdo Australia 1357 ARQ w/ idler and callsign only CW marker (LVH) WLO: MOBILE rdo 0837 ARQ free idles w/CW Marker "WLO". UAT: MOSCOW rdo 2000 FEC tfc list. VIP33: PERTH rdo 1944 ARQ "VIP" and 8 tuning bursts. At 1952z replies to unid ship "GlobeWireless 1952 11/24/96 no tfc." (DW)

8419.5 PPR: Rio de Janeiro rdo Brazil 0400 ARQ w/ idler and callsign only CW marker (LVH)

8420  FFT41: ST. Lys rdo 0905 FEC wx wngs (DG) FFT: St. Lys rdo France 0321 ARQ. w/ idler and callsign only CW marker (LVH)

8420.5 HEC: Berne rdo Switzerland 0357 ARQ w/ idler and callsign only CW marker (LVH)

8421  WLO: Mobile rdo AL US 1354 ARQ w/ idler and callsign only CW mkr. (LVH)

8421.5 NNW: Rijeka rdo Croatia 0355 ARQ w/ idler and callsign only CW marker. LZW: Varna rdo Bulgaria 0356 ARQ w/ idler and callsign only CW marker (LVH)

8422  NRV: USCG Apra Harbor Guam 1352 ARQ w/ idler and callsign only CW marker (LVH)

8422.5 KPH: San Francisco rdo CA US 1351 ARQ, w/ idler and callsign only CW marker USU: Mariupol rdo Ukraine w/ ARQ idler and callsign only CW marker 0352. (LVH)

8423  SVU: Athens rdo Greece 0350 ARQ w/idle and callsign only CW mkr. (LVH)

8423.5 DAN: Norddeich rdo Germany 1349 ARQ w/ idler and callsign only CW marker (LVH)

8424  SVA: Athens rdo 0826 FEC tfc lst. (BvR) WCC: Chatham rdo MA US 1348 ARQ w/ idler and callsign only CW marker (LVH)

8425  KLB: Seattle rdo WA US 1346 ARQ w/ idler and callsign only CW marker FFT: St. Lys rdo France 0342 ARQ w/ idler and callsign only CW marker (LVH)

8425.5 WNU: Slidell rdo LA US 1345 ARQ w/ idler and callsign only CW marker. HEC: Berne rdo Switzerland 0340 ARQ w/ idler and callsign only CW marker (LVH)

8426  NMC: USCG CAMSPAC San Francisco CA US 0338 ARQ w/ idler and callsign only CW marker (LVH)

8426.5 WCC: Chatham rdo MA US 1343 ARQ w/ idle and callsign only CW mkr. (LVH)

8427  KPH: San Francisco rdo CA US 1342 ARQ w/ idler and callsign only CW marker. OXZ: Lyngby rdo Denmark 0337 ARQ w/ idler and callsign only CW marker (LVH)

8427.5 PPQ: Serbetiba rdo Brazil 1339 w/ ARQ idler and callsign only CW marker. A9M: Hamala rdo Bahrain 0335 ARQ w/ idler and DE CW marker (LVH)

8428  NMN: USCG CAMSLANT Chesapeake VA US 1337 ARQ w/ idler and callsign only CW marker (LVH)

8428.5 ZSC: Cape Town rdo South Africa 0334 ARQ w/ idle and DE CW mkr. (LVH)

8429  EAD: Madrid rdo Spain 0333 ARQ w/ idler and callsign only CW mkr. (LVH)

8429.5 NMO: USCG Honolulu HI US 1334 ARQ w/ idler and callsign only CW mkr (LVH)

8430.5 WLO: MOBILE rdo 0849 ARQ free idles w/CW Marker "WLO". (DW) WLO: Mobile rdo AL US 1330 ARQ w/ idle and callsign only CW mkr. (LVH)

8431  KEJ: Hoolehua rdo HI US 1331 ARQ w/ idle and callsign only CW mkr (LVH)

8432  WLO: Mobile rdo AL US 1329 ARQ w/ idler and callsign only CW marker (LVH)

8432.5 UFN: Novorossiysk rdo Russia 0329 ARQ w/ idler and callsign only CW marker (LVH)

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8433  XSG: Shanghai rdo China 1329 ARQ w/ idler and callsign only CW marker (LVH)
8434  WLO: Mobile rdo AL US 1328 ARQ w/ idler and callsign only CW marker. (LVH)
8434.5  LPD: General Pacheco rdo Argentina 0326 ARQ w/ idler and callsign only CW marker (LVH)
8435  XSQ: Guangzhou rdo China 1326 ARQ w/ idler and callsign only CW marker. VCT: CCG Tors Cove NF Canada 0321 ARQ w/idler and callsign only CW marker (LVH)
8435.5  OST: Oostende rdo Belgium 1324 ARQ w/idler and callsign only CW marker (LVH)
8439  PBC38: Dutch Naval Goeree Island Netherlands 1146 RTTY w/ 75 baud RY test tape (LVH) PBC38: Dutch Navy Goeree 1931 RTTY 75/850 CARB availability msgs. (PB)
8453  HWN: French Naval paris France 0239 RTTY w/ 75 baud RY test tape. Mixing it up w/ VAI. (LVH)
8453.2  HWN: Navy Paris, F 2035 RTTY 75/850 RY 10 count (EW)
8459  NOJ: USCG KODIAK AK 0020 FAX 120/576 w/very good wave analysis N. Pacific. (WT)
8463  CKN: Canadian Forces Lazo B.C. 1650 RTTY 75/850 "NAWS DE CKN ZKR F1 2386 4158 6245 8318 12377 16552 22200 AR" (WT)
8464  UUW: Kaliningrad rdo 0841 RTTY 50/200 navtex msgs (DG)
8467.5  JJC: Kyodo Tokyo Japan FAX (120/576) photo and what looked like EE newspaper stories 1131. (LVH) JJC: Tokyo rdo 0718 FAX 60/576 w/ Japanese nx (newspaper style) in JJ. (WT)
8468  FUV: French Naval Djibouti 0141 RTTY w/75 baud RY test tape (LVH) UHS: MURMANSK rdo 1526 RTTY 50/170 info bulletin (then rptd in very high speed CW). (HOOD)
8478.5  FUF: French Naval Fort de France Martinique 1129 RTTY 75bd RTTY 75/850 w/95 baud RY test tape. (LVH) FUF: French Forces Fort de France 1233 RTTY (75/820) w/test tape. (DW2) FUF: French Forces Fort de France 1129 RTTY 75/850 w/95 baud RY test tape. (LVH) FUF: French Forces Fort de France 1233 RTTY 75bd RTTY 75/850 w/95 baud RY test tape. (LVH) FUF: French Forces Fort de France 1233 RTTY 75bd RTTY 75/850 w/95 baud RY test tape. (LVH) FUF: French Forces Fort de France 1233 RTTY 75/850 w/95 baud RY test tape. (LVH) FUF: French Forces Fort de France 1233 RTTY 75bd RTTY 75/850 w/95 baud RY test tape. (LVH)
8479  MTI: Royal Navy Plymouth UK 0159 RTTY 75bd RTTY 75/850 w/95 baud RY test tape. (LVH) MTI: Royal Navy Plymouth UK 0159 RTTY 75bd RTTY 75/850 w/95 baud RY test tape. (LVH) MTI: Royal Navy Plymouth UK 0159 RTTY 75bd RTTY 75/850 w/95 baud RY test tape. (LVH)
8480  UBB: Mariupul rdo Ukraine 0134 RTTY 50 mgs. (BvR)
8484  UCE: ARKHANGELSK rdo 0044 FAX to UNFZ: TKH MEKHANIK MAKARIN (Itu now gives as UCOR). (HOOD)
8514  WLO: MOBILE rdo 0839 FEC Tfc list for WLO/KLB/WSC. Storm trac for MARCO. Tfc list for Lyngby. No station info (Dw)
8528.5  SN MADRID (EBA) 1001 RTTY 75/170 Marker "cq de EBA NAVAREA three NAVAREA tres" (SN MADRID (EBA) 1714 RTTY 75/170 Nav warnings in EE (Dw)
8538  6WW: French Naval Dakar Senegal 0158 RTTY 75 reverse keyed test tape. (HB) (French Navy, Dakar -LOGS) 6WW: French Naval Dakar Senegal 0158 RTTY 75/75 baud RY test tape. (LVH) 6WW: Dakar Senegal 0420 RTTY 75/850 "Voici testing de la Station 6 whiskey whiskey" marker, RY's and SG's (BDS)
8540  UBN: Mariupul rdo 1534 RTTY 50 mgs. (BvR)
8549  UCE: ARKHANGELSK rdo 1004 ARQ tcf to UNFZ: TKH MEKHANIK MAKARIN (Itu now gives as UCOR). (HOOD)
8556  SAB44: Goeteborg rdo Sweden 0159 ARQ w/idler(LVH)
8565  FUB: French Naval Paris France 0155 RTTY 75bd encrypted tcf. (LVH)
8566  FUM: French Navy Papeete 1156 RTTY (75/810) w/call tape. (Dw2)
8604.1  FUJ: French Navy Noumea 1152 RTTY (75/810) w/test tape.Each line had a number...I picked it up at 989. After 999, it rolled over to 001. (Dw2)
8643.5  UUI: Odessa rdo Ukraine 0112 RTTYw/ 50 baud msg tcf(LVH)
8646  FUJ: French Naval Noumea New Caledonia 1202 RTTY w/ 75 baud RY test tape (LVH)
88650  SPB: Szczecin rdo Poland 0107 w/ ARQ CW DE marker and idler (LVH) SPB: Szczecin rdo Poland 0107 w/ ARQ CW DE marker and idler (LVH) SPB: Szczecin rdo Poland 0107 w/ ARQ CW DE marker and idler (LVH) SPB: Szczecin rdo Poland 0107 w/ ARQ CW DE marker and idler (LVH) SPB: Szczecin rdo Poland 0107 w/ ARQ CW DE marker and idler (LVH)
8677  CBV: VALPARAISO 2338 FAX 120/576 Weak analysis (Dw)
8677.5  UGC: Saint Petersburg rdo 1141 ARQ w/sitor free signal & CW id.(Dw2) UGC: St. Petersburg rdo Russia 0056 ARQ w/idler and callsign only CW marker (LVH)
8682  NMC: San Francisco rdo, USA 1136 FAX 120/576 wx map (Ew) NMC: Pagina 1093
USCG San Francisco rdo CA US 1154 FAX 120/576 w/ what looks like a schedule (LHV)

8752.5 CNT: Chilean Navy, Magallanes 0120 RTTY 100/425 w/"MIKD MIKD MIKD DE CNT". (RB)

8846.5 unid 1922 FEC Unid 5 fgs zcczc 660000 ///// Tunisian diplo? (BVR) (MFA Tunisia logged here - LOGS)

8895.5 unid: 0130 FEC 109/300. Baud rate is not a typo. 51g's w/ USB coordination on 8894, using spanish, "cambio", "correcto" and phonetic labels such as "Lima." Detail: I've logged 109bd FEC on a number of frequencies in the past. However, I haven't hrd any for several years until tonight. When I last posted something on these signals an "anonymous" monitor emailed me saying that the origin was Cuba. However, I suspect from the USB comms I hrd tonight that the origin might just be Mexican military of some sort. (ED)

9066 Polish Emb., Moscow 0821 POLhARQ 100/160 5FGs "m:moskwa do:msz" (PB)

9075 PG6: MFA Paris, F 1046 FEC-A idled for a long time. off at 1107 (EW)

9076.6 prob RFFA: MOD Paris 2142 ARQ-e3 (192/310) w/idles. (DW2)

9090 NPG: San Francisco USCG, USA 0956 FAX 120/576 wx map (EW)

9110 NMF: USCG Boston 2146 FAX (120/576) w/SFC Analysis chart. (DW2) NMF: USCG Boston 1903 FAX 120/576 sched part 1, 19142 sched part 2. (LC)

9114 HGG31: MTI BUDAPEST 1025 RTTY 50/400 Press in EE (DW)

9118.5 MFA Algiers 0715 COQUELET-8 26.67 ckt path testing w/ unid embassy til 0730 (ANEE)

9126.7 prob RFTJD: FF Libreville 2151 ARQ-e3 (192/304) w/idles. (DW2) PARIS MOD France. 0100. ARQ-e3 192/340.Controle De Voie. Circuit HAI. (PS)

9154 D4B: Sal Air Cape Verde Islands 2354 RTTY w/ 50 baud RY test tape nice strong signal from Africa. (LHV)

9158 Russian Diplo,?? 1442 CROWDh36 tfc (MC)

9164.4 unid: MFA Berne? 1231 ARQ w/5L groups. (DW2) Swiss MFA, Berne 1633 Diplomatic circulars in RR (MC)

9181.5 unid 0125 ARQ 100/400 wide shifted and entirely encrypted.(ED)

9202 V5G: Romanian MFA, Bucharest 1554 RO- FEC 164.5/400 (bitmap=24) Diplomatic circulars in RR (MC)

9207.1 V5G: Romanian MFA, Bucharest 1513 ROU-FEC 164.5/400 MSGs in RR to Embassy Damascus (MC)

9210 Unid: 1547 RTTY ??/450 hand keying of high and low tones continuing through 1642. Occasional short idles between shifts. (DW2)

9212.1 V5G: Romanian MFA, Bucharest 1521 ROU-FEC 164.5/400 MSGs in RR to Embassy Baghdad (MC)

9216.7 Cairo Egypt 1430 ARQ Ministry of Foreign Affairs point-to-point relaying msgs from bustan london to MFA dated 26/11 (MS)

9221.7 Nicosia Cyprus 1435 ARQ Embassy of Egypt point-to-point telegrams to MFA Cairo (MS)

9241.7 EGYPTIAN EMB ALGIERS 1651 ARQ Tfc fm Algiers (yphkg kdiqkef) in ATU80. Stopped/restarted couple of times w/ no selcalls on restart (DW)

9259 PG6: French MFA, Paris 1527 FEC-A 192/400 5LGs to "SRZ944" Embassy Warsaw (MC)

9280 RUZU?: 1854 RTTY 50/500 WX reports in Cyrillic (MC)

9298 Unid SOUD station 1430 RTTY 75/500 msgs prefixed "11177 70004". (JD2)

9298.1 Unid: 0744 RS-ARQ 228.7/180 (MC)

9292 Unid: 0300 ANDVT comms. (JJ)

9310 KYU: RN Gibraltar 2320 PICCOLO-6 w/svce msgs to unid sta (ML2)

9310.5 MKD: 1830 PICCOLO-6 test tape MKD de KYU channel also active w/ crypto tfe. (KN)

9318 NRS: USN Keflavik Iceland 2349 FAX 120/576 w/ a NOGAPS prog wx chart (LVH) NRS: USN Keflavik Iceland 1243 FAX (120/576) w/wx chart. At 1300, switched to a "different sounding" fax, no chart and only the following heading provided: "1245 06DE96 IIIC-4 3576 43371 ECO 6". Was this encrypted?? hrd similar broadcast at about the same time from USN Pearl Harbor. (DW2)

9337 SOUD Station. ?? 1554 RTTY 75/500 5LGS (MC) MKK: Royal Air Force, London 1556 VFT: 4ch of 50/170 RTTY, "the quick brown fox... test de mkk" (MC)

9337.4 MKK: RAF London 0901 RTTY 50/340 VFT test "the quick brown..de mkk". (PB)

9338 MKK: RAF London 2320 PICCOLO-6 w/svce msg (ML2)

9340 RCH72: Tashkent Meteo Uzbekistan 2345 FAX 90/576 w/ wx) chart. Signal weak and chart was distorted. (LHV)

9360 OXT: Kóbhnavn Meteo 1242 CW cw-ID w/tone; at 1244 starting FAX
transmission. (AI)

9438  JMJ3: Tokyo Meteo, Japan 1115 FAX 120/576 wx map (EW)

9797  YOJ27: ROMPRES BUCHAREST 1007 RTTY 50/500 Press in FF. YOJ27: ROMPRES BUCHAREST. 0904 RTTY 50/500 Press in EE (DW)

9970  JMH3: Tokyo Meteo, Japan 1114 FAX 120/576 wx map (EW) JMH3: Tokyo Meteo Japan FAX 2335 120/576 w/ wx chart (LVH)

9980.7 Unid: 1545 PACTORh1 100 200bd also, huf/asc, no UN formats used, though this prov UN Zaire, til 1630 (ANEE)

9983.7 RFFA: MOD Paris, F 0724 ARQhE3 100/425 idle (EW)

9987.2 Romanian Emb. Warsaw 1511 ROUhFEC 218/400 diplo tfc (DG)

10026.7 YPHKG RKUKGK: Egyptian Embassy Havana 2252 ARQ w/ ATUh80 chatter. At 2306, active w/ ATUh80 tfc to MFA Cairo. Heavy QRM from enciphered speech on 10027. (DW2) Egyptian Emb Havana CUB 2230 ARQ w/ATUh80 tfc(ML2)

10027  Unid 2257 USB NATO Scrambled Voice Encipherment System. (DW2)

10111.2 FJY2: TAAF PorthauxhFrancais KER 1000 ARQhE3 96/400 w/pte msgs & solar bulletins to FJY3 Dumont d'Urville ATA (ML2)

10119.7 NATO Mil,??? 1433 MILh188 100bd MILh188h141 ALE (MC)

10130  RBX73: Tashkent Meteo 0816 RTTY 50/1000 meteo tfc (PB) RBX73: Tashkent Meteo 0936 RTTY 50R/1000 meteo tfc, synops (PB)

10162.5 YIL71: INA nx, Baghdad 1127 RTTY 50/400 NX in EE (MC)

10170.5 Unid 1826 ARQ(?) 100/405 w/encrypted tfc. Code3 Gold id's as ARQ, but id doesn't sound quite right. Tried various modes but no joy. At end, morse code call "xx.." (my code isn't quite up to speed). (DW2)

10177.7 prob RFFA: MOD Paris 2226 ARQhE3 (192/330) w/idles. (DW2)

10180.5 British Mil,??? 1726 Piccolo-12 idle (MC)

10200  GFH: RAF Kai Tak HKG 2340 PICCOLOh6 w/svc msgs to VHC RAN Belconnen(ML2)

10253  NPN: APRA Harbour Meteo, Guam 1015 FAX 120/576 wx map (EW)

10257  NPN: APRA Harbour Meteo, Guam 1015 FAX 120/576 wx map (EW)

10298.6 HSW62: Bangkok Meteo, Thailand 1445 RTTY 50/170 // 10170.5. (JD2)

10301.8 Unid 1826 ARQ(?) 100/405 w/encrypted tfc. Code3 Gold id's as ARQ, but id doesn't sound quite right. Tried various modes but no joy. At end, morse code call "xx.." (my code isn't quite up to speed). (DW2)

10314  SNN299: MFA Warsaw, Poland 1155 POLhARQ 100/170 5lgs, sign off at 1159 w/ CW (EW)

10348  Mossad 0715 ARQ-E 288 tfc w/BNDVB, on early today (ANEE)

10364  RFT3DA: FF LIBREVILLE 2340 ARQ-E 48/850 Idle. (WT)

10375  Russian Mil,?? 1135 CIS-14 96/500 crypto (MC)

10391.7 Egyptian Embassy, Tripoli 1530 ARQ 5Lgs and ATU-80 "jg cfkypd kds kdjfkqor" (MC)

10423.3 YMA20: Ankara Meteo, Turkey 0804 RTTY 50/850 "ryrryrryry yma20 yma20 10424 kc/s" marker (MC) YMA20: Ankara Meteo 1000 RTTY 50/850 (700Hz off) ryry & wx "yma20 10424kc/s (0500h1500) 3550kc/s (1500h0500)". (PB)

10467.4 Algerian Customs, Illizi 1606 COQUELETh8 26.7bd MSGs in FF from Ouargla. Algerian Customs, Ouargla 0755 COQUELETh8 26.7bd MSGs in FF to Illizi (MC)

10469  MFA Algiers 0715 COQUELETh8 26.67 same activity as on 9118.5 til 0745 (ANEE)

10477  Unid Korean diplo, probably MFA 1415 RTTY 50/1000 w/plain-language Korean & 5FG msgs. (JD2)

10484.2 DOR: MFA Sofia 1012 RTTY 150/490 nx review in EE. (PB)

10490.1 Russian PTT,??? 1532 OQPSK 1280bps UNID System (MC)

10493.9 RFT3: FF Dakar 0549 ARQ-E 48/424 Cdev (RH2)

10504.2 Russian Mil,?? 0807 MS5 12 tone vocoder (3300Hz pilot), tfc (MC)

10509.8 Unid: 1617 PACTOR 200/200 very weak (MC)

10536  CFH: CF Halifax 1841 RTTY 75/510 w/wx tfc. (DW2) CFH: Halifax Metoc, NS, 1915 FAX 120/576 "canadian forces metoc centre centre metoc des forces canadiens" sig wave 12hr prog. (LC)

10537.7 Italian Diplo/Mil,?? 0759 UNID 1200bd UNID FSK System (MC)

10542.2 Russian Mil,?? 0800 MS5 12 tone vocoder (3300Hz pilot), tfc (MC)

10551.3 GFL 23: BRACKNELL METEO, G 1223 RTTY 75/425 meteo (SS)

10555  AXI34: Darwin Meteo, AUS. 1117 FAX 120/576 wx map (EW)

10557 V5G: Bucharest Romania 2030 ROU-FEC 164.5/400. Numerous press reports in what I assume is Rumanian. Off air at 2050. Have also logged V5G on 15833 and 16060. (ES)

10579.5 HMF46: KCNA Pyongyang 1031 RTTY 50/500 propaganda nx (DG)

10595  Unid: 0802 UNID 100/500 UNID FSK System, sync, cont, ACF=0 (MC)

10626  French Forces,??? 1535 ARQ-E 184.6/400 idle on betas (MC)

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10643.5 SNN299: MFA Warsaw, Poland 1215 POL-ARQ 100/170 msgs in PP (EW)

10650.1 BJZ: Wuhan Meteo, China 0923 RTTY 75/425 wx information (EW)

10653.3 MKK: Royal Air Force, London 1410 VFT 5ch of 50/170 RTTY, "Iryiry
quick brown fox... test de mkk" (MC)

10655.1 SOUD station 0901 RTTY 75/510 5Lgs "11177 70004 20960 23602 00919." (PB)

pos RCO73: Yakutsk Meteo 0237 FAX (sounded like 90/576) w/ heavy QRM from adjacent LINK-11 signal. (DW2)

10686.9 DM17: Teheran Meteo, Iran 1216 RTTY 50/425 wx information for
locations in the middle east (EW)

10690.3 JWT: Norwegian Navy, Stavanger 1541 ARQ 100/850 MSGs in NN, selcal
"QCVU", NATO RID "RYPFWs" LBL1: Norwegian Navy, Bodo 1816 ARQ 100/850
MSGs and opchat in NN NATO RID "RXFNDA" (MC)

10691.3 SD station 0901 RTTY 75/510 5Lgs "11177 70004 20960 23602 00919".(PB)

poss RCO73: Yakutsk Meteo 0237 FAX (sounded like 90/576) w/ heavy QRM from adjacent LINK-11 signal. (DW2)

10725.5 C37A: Mossad/BND link 1025 RTTY 100/323 "is all good now zar zar" then
in ARQ-E 288/323 encrypted tfc. (PB) C37A 1900 RTTY 100/340 clg 6MX8,
QBF & RY test. (BF) C37A: somewhere in Israel 1830 RTTY 100/340 clg
6MX8, test tape only. (JD2)

10749.5 C37A: Mossad/BND link 1025 RTTY 100/323 "is all good now zar zar" then
in ARQ-E 288/323 encrypted tfc. (PB) C37A 1900 RTTY 100/340 clg
6MX8, test tape only. (JD2)

10767.9 RGA: SOUD 1509 RTTY 75/500 5Lgs (DG)

10787.9 Unid: 1915 POL-ARQ 100/340. At end of 5 figure msg sent 'end of
file' (in EE!!) and Obdierz. Then sent 'dzieke i spadam na dzis
k starc etc' and finally, '73 bybyby'. Went off air at 1922. Can anyone
I/D please? (ES)

10802.3 TAD: MFA Anakara 1110 FEChA 144/400 diplo tfc (DG)

10825.0 German/Italian/Turk Diplo 0803 RShARQ 240.1bd 8 tone, tfc (MC)

10865.0 NAA: USN Cutler 2000 FAX 120/576 sending NAM / USN Norfolk wx
fax product GOES-8 sat pic of USA "1945 03NO96 21C-4 3576 43371 ECO
G". (LC)

10873.7 RFVJ: FF Le Port, Reunion 2053 ARQ-E3 100/425 idle (EW)

10873.9 prob RFVJ: FF Le Port Reunion 0231 ARQ-E3 (100/373) w/ idles (DW2)

10891.7 ASP32: Pakistani Embassy, Madrid 1439 TWINPLEX 100/140 Passport
Clearance MSGs in EE. ASP32: Pakistani MFA, Islamabad 1440 TWINPLEX
100/140 Press review in EE (MC)

10917.7 prob RFTJ: FF Dakar 1915 ARQ-E3 (48/353). (DW2) RFTJ: FF Dakar, Senegal
0928 ARQ-E3 48/425 idle (EW)

10955.3 prob RFTJF: FF Dakar 0225 ARQ-E3 (48/810) w/ idles. (DW2)

10982.3 BAP40: Xinhua Beijing, China 0933 RTTY 75/850 EE nx on Asian
events (EW)

11006.2 Russian M11,?? 0809 MS5 12 tone vocoder (3000Hz pilot), tfc (MC)

11104.1 RPFC? UTC? seems to be either a mode C (12chnl tone pack) or
multiple stations on narrow (170hz shift) around 1104 MHz, caught this
partial xmn in my Mh7000 using FDM "C" mode chnl 2 @ 75bd: RRTNS
U AR RBYJ3ALY, VTJKCIIW IBDI RPTI DE RPEN RPEN RPEN, ZNR UUUUU, ZWC, ZBZ
444444444, INT ZBZ INT ZBZ INT ZBZ K K K K K, NNNN. RP's are the
beginning NATO designators for Portuguese mil sta's, seems to be either a
beginning NATO only 'link or possibly a multi national tone pack. (RHB)

11107.0 RFPN: PN Lisbon 1502 RTTY 75/850 testing (DG)

11107.5 RJN: French Emb Beijing CHN 0920 FEChA 192/850 w/5LGs (ML2)

11108.0 AXM34: Melbourne Meteo 1524 FAX (120/576) w/ end of chart. New chart
at 1530. (DW2)

11109.9 DFZG: MFA Belgrade 0703 RTTY 75 msgs. (BvR) DDH9: Offenbach Meteo, G 1222
RTTY 50/850 wx information for European locations (EW)

11143.7 Unid RFJTD? 0701 ARQ-E3 192 idle. (BvR) RFTJ: FF Dakar, Senegal 0757
ARQ-E3 192/425 idle (EW)

11152.7 SPP?: Polish Embassy, Berne 0717 POL-ARQ 100/240 MSGs marked
"m:berno" (MC)

11163.0 LZU2: Sofia Meteo, Bulgaria 1538 RTTY 50/400 AAXX WX for Bulgarian
land stations (MC)

11107.4 MFA Moscow 1000 CROWD 40.1 tfc w/embassies W. Europe till 1715 (ANEE)

11108.0 Sana nx RTTY 425/50 Nx EE (CK) SANA Damascus 1706 RTTY 50/386 w/AA
nx. (DW2) YKP28: SANA Damascus, Syria 1800 RTTY 50/400 w/ 'bulletin
d'Informations' in FF. (RB)

11108.4 RV07: MFA Paris F 1014 FEC-E 192/425 5Lgs (EW)

11109.5 Guarida Civil, Barcelona 1200 ARQ w/tfc zone chief and Barcelona chief
colonel, telex abt expenses till 1300 (ANEE)

11110.5 RFL1: FF Fort de France, Martinique 2122 ARQ-E3 192/425 idle (EW)

11114.6 L4N: French Emb Dakar 1341 FEC-A 192/398 L4N to RFGW(Paris) w/5Lgs(PB)

11122.1 AF5: 1805 FAX 120/576 outstanding quality today wx charts //19365.(RT2)

11125.7 HZ: Jeddah Meteo 1114 RTTY 100/850 wx ttaa (PB)
11132.5 prob NPM: USN Pearl Harbor 0204 FAX (120/576) w/ wx chart showing from 140E-130W. Second chart at 0210 showing 120E-110W. Decent quality on both charts w/ light fading. 2kHz off of reported freq. (DW2)

11146.7 LIBERATOR: Philippine Mil sthn PHL 0840 ARQ w/stitreps (ML2)

11173.5 P6Z: MFA Paris, F 1015 FEC-A 192/425 5fgs (EW)

11192 CSY: Santa Maria Air Azores 2328 RTTY w/ RY test tape(LVH)

11327.5 MFA Oslo 1130 TWINPLEX 100 very weak til 1200 (ANEE)

11379.2 OZU25: MFA Copenhagen, Denmark 1214 TWINPLEX 200/400 5fgs (EW)

11334.6 Egyptian MFA, Cairo 1441 ARQ ATU-80 MSGs to Embassy Muscat (MC)

11411.7 Unid: 1103 ARQ idled for a long time no tfc (EW)

11471 SNN299: MFA Warsaw, Poland 1201 POL-ARQ 100/170 circulars in PP then 5fgs (EW)

11483 P6Z: MFA Paris, F 1008 FEC-A 192/425 poor signal w/5fgs (EW)


11539.2 MFA Bonn 0730 RS-ARQ 228.7 tcf w/embassy Addis Ababa, running ARQ-E 96 underneath ALE til 0800 (ANEE)

11540.1 Unid: 1031 RS-ARQ 228.4/170 cannot decode (EW)

11543 Russian Diplo,??? 1539 CROWDh36 tcf (MC)

11572 Unid: 1108 UNID 40.5/850 cannot decode (EW) (40.5bd is single chan. 81-81 - LOGS)

11631.7 RFTJ: FF Dakar, Senegal 1110 ARQhE 192/425 idle (EW)

11638 DDK8: HAMBURG MET 0902 RTTY 50/400 Marker and met tcf (SYNOP)(DW)

11680 BZP81: XINHUA BEIJING 1446 RTTY 75/400 Marker "ry's Xinhua Beijing" (EW)

12102.9 MFA Stockholm SWEDhARQ 100 qtc at 1200 (ANEE)

12130.5 MKK: London 1649 PICCOLO Mk-6 Msg. to QSY (f3126)

12133.8 Unid: 1200 UNID 272.7/450 Unid Russian TDM system? cuba link? tcf til 1215 (ANEE)

12134.2 DOR: MFA Sofia 1052 RTTY 150/500 diplo tcf (DG)

12138 DOR: MFA Sofia BUL 1240 RTTY 75/500 clg Damascus & svce msqs (ML2)

12158 Unid SOUN station 0840 RTTY 75/500 msg of "11177 70060". (JD2)

12205.1 prob NBA: USN Balboa Panama 2045 RTTY 75/800 w/encrypted tcf. (DW2)

12212.5 YZi234:TANJUG BELGRADE 1446 RTTY 75/400 Marker "ry's XINHUA Beijing". Idle marker (DW)

1228.4 BZP62:XINHUA BEIJING 1449 RTTY 75/400 Marker "ry's XINHUA Beijing". (DW)

12305.5 GYU: Gibraltar 0238 PICCOLO Mk-6 QSY to fro 3969.(ED)

12381.6 Unid: 1430 ARQ UK CCF? also LSB voice comms til 1500 (ANEE)

12478 KCDK: M/T GUS W. DARNELL 1838 ARQ Wkg KFS w/QRG rpt. Login 11643

12480.5 UDV0: TKH YEVENIY MRAVINSKIY 0953 ARQ admin from Km Golovkin to UG5. (HOOD)

12482 3FX13: M/T HERO 1820 ARQ w/Amver/PR. 1316N 07212W. (WT)

12483 SQRQ: Kopalnia Halemba 0144 ARQ AMVER/PR via KPH. (AB2)

12484 PQAE: Frotabelem 1840 ARQ AMVER msg. (AB2)

12486.5 9VOP: NOL RUBY 2029 ARQ w/jsasrep. Login 78351 NRUB. (WT)

12489 UKUF: Igor Ilinskiy 1508 ARQ tcf to Nahodka w/call 55115. (AB2)

12490 SQDH: M/V Narwik II 1747 ARQ 31,920 DWT Polish-flagged bulk carrier (Polsteam/Oceantramp), w/AMVER/PR (SW Pass). (RB)

12492.5 MV Erati 1126 ARQ tlx tcf co/ch CUL opr+? (BVR)

12493.5 UKYV: TKH Boris Livonov 2014 ARQ 23,940 DWT Russian bulk carrier, w/ DISP-1 report from master KM Dolgavev. (RB)

12495 UDGE: TK MOSKOVSKIY FESTIVAL 0947 ARQ admin from Km Zapasnyy to UFN login 66150 UDGE (is ex UOLM). (HOOD) UFIN: TKH Ivan Tevosyan 1923 ARQ w/crew TG's to UGW. URTU: TK Marshal Bagramyan 2018 ARQ Ukrainian flagged 67,980 DWT tanker, w/crew TG's. UYVP: TKH Ivan Korobtsov 2106 ARQ Ukrainian-flagged 9,173 DWT general cargo vsl, w/admin TG's from master KM Yreev F. (RB)

12497.5 BROO: M/V Jin Ji Ling 2050 ARQ Chinese-flagged 20,333 DWT bulk carrier (Guangzhou Maritime) w/tlx tcf, login 20151 BROO. (RB)

12508 WBD6589: Seacor Yankee 2032 ARQ Seacor Corp tug w/tlx re installation complete, believe this was sitor unit for Globe Net. (RB)

12509 WHRN: M/V MAHIMAHI 1755 ARQ Wkg KEJ w/ QRG rpt and Amver/PR. 3600N 12645W. (WT)
WUNhv02

12510   C4XH: M/V Derby North 2010 ARQ 64,491 DWT bulk carrier, w/tlx to Valiant
London, login 29323 DNORTH. J8EX5: M/V Racisce 2115 ARQ 9,835 DWT reefer
w/list of Admiralty charts needed, login 26545 RACISC. (RB)

12512.5  UWFU: Viktor Kournatovskiy 1405 ARQ tfc to Mariupol w/selcall
67936.(AB2)

12512   TCPS: MV KAZIM GENC 1022 ARQ admin (eta Misurata) to TAH.(HOOD)

12561   DQFX: ChoyanghElite 1645 FEC 45,696 DWT container ship, passes 1428z
posn 3343N/4837W, out of Savannah bound for Valencia, Spain; sends
sports nx. (RB)

12562   XU7BU: TKH DIBSON 0818 RTTY 50/170 admin from Km Strelnikov to St
Petersburg (prob UHP5). This the fourth XU7.. series call hrd, nothing
in ITU so far. (RB)

12563   UFBE: ADMIRAL KOLYSHKIN 0801 RTTY 50/170 crew TGs to UDK2.(HOOD)

12564   UTXJ: TKH VERA KHORUZHAYA 1139 RTTY 50/170 Tfc in 3sc via Sevastopol/URL.

12565   URZP: TKH PETROKREPOST 0912 RTTY 50/170 msgs (in Eng) for Greece and
Spain via UCE (ITU now gives as UCNC). UVJB: BORIS SYROMYATKINOV
(MA-1832) 0937 RTTY 50/170 admin and BBXX to UDK2. (ITU now gives
as UCUF), vsl also relaying tfc for RTMKS KAPITAN BOGOMOLOV (MA-1831)
from Km Dolina. (HOOD) SHIP UNID 0813 RTTY 50/170 Tfc in 3sc via ?/
rdo (DW)

12566   UCTQ: KOMANDARM SHCHERBAKOV (MA-0068) 0949 RTTY 50/170 crew TGs to
UDK2. UFNH: BMRT VLADIMIR BRODYUK 1026 RTTY admin to UDK2.(HOOD)

12566.5  SHIP "LYNDI/SZRE" 1559 ARQ tfc in EE to Ostria Pireaus via
Goeteborg rdo/SAB63. Poor copy. Freq low by 30 hz. SHIP UNID 1503
ARQ Selcalls QSPV - short exchange (qrz?) w/ SAB63/Goeteborg Maritex(DW)

12567   UCMT: TKH VYACHESLAV DENISOV 0804 ARQ BBXX to UCE. login 54496 UCMT.
UCNZ: TKH ARSENIY MOSKVIN 0841 ARQ admin from Km Zhilin to UCE. login
54786 UCNZ (is ex UZVH). UCNG: TKH YEVGENIY ONUFRIEV 0848 ARQ admin
from Km Ivanina to UCE (is ex UTQZ). UHCO: TKH PIONER SEVERODVINSKA
0833 ARQ admin from Km Petrov to UCE. V3RE7: TKH LIDIYA 0823 RTTY
50/170 admin from Km Kruzhkovik to ALTEx SHIPPING via UHP5.(HOOD)

12568   URZP: TKH PETERKREPOST 0912 RTTY 50/170 msqs (in Eng) for Greece and
Spain via UCE (ITU now gives as UCNC). UVJB: BORIS SYROMYATKINOV
(MA-1832) 0937 RTTY 50/170 admin and BBXX to UDK2. (ITU now gives
as UCUF), vsl also relaying tfc for RTMKS KAPITAN BOGOMOLOV (MA-1831)
from Km Dolina. (HOOD) SHIP UNID 0813 RTTY 50/170 Tfc in 3sc via ?/
rdo (DW)

12569   V3RE7: TKH LIDIYA 0823 RTTY 50/170 admin from Km Kruzhkovik to ALTEx SHIPPING via UHP5.(HOOD)

12570   UCTQ: KOMANDARM SHCHERBAKOV (MA-0068) 0949 RTTY 50/170 crew TGs to
UDK2. UFNH: BMRT VLADIMIR BRODYUK 1026 RTTY admin to UDK2.(HOOD)

12570.5  SHIP "LYNDI/SZRE" 1559 ARQ tfc in EE to Ostria Pireaus via
Goeteborg rdo/SAB63. Poor copy. Freq low by 30 hz. SHIP UNID 1503
ARQ Selcalls QSPV - short exchange (qrz?) w/ SAB63/Goeteborg Maritex(DW)

12571   UCTQ: KOMANDARM SHCHERBAKOV (MA-0068) 0949 RTTY 50/170 crew TGs to
UDK2. UFNH: BMRT VLADIMIR BRODYUK 1026 RTTY admin to UDK2.(HOOD)

12572   UCTQ: KOMANDARM SHCHERBAKOV (MA-0068) 0949 RTTY 50/170 crew TGs to
UDK2. UFNH: BMRT VLADIMIR BRODYUK 1026 RTTY admin to UDK2.(HOOD)

12573.5  SHIP UNID 1505 RTTY 50/170 3sc tfc via ?/rdo (DW)

12574   UCMT: TKH VYACHESLAV DENISOV 0804 ARQ BBXX to UCE. login 54496 UCMT.

12574.5  SHIP "LYNDI/SZRE" 1559 ARQ tfc in EE to Ostria Pireaus via
Goeteborg rdo/SAB63. Poor copy. Freq low by 30 hz. SHIP UNID 1503
ARQ Selcalls QSPV - short exchange (qrz?) w/ SAB63/Goeteborg Maritex(DW)

12575   UCMT: TKH VYACHESLAV DENISOV 0804 ARQ BBXX to UCE. login 54496 UCMT.

12575.5  SHIP "LYNDI/SZRE" 1559 ARQ tfc in EE to Ostria Pireaus via
Goeteborg rdo/SAB63. Poor copy. Freq low by 30 hz. SHIP UNID 1503
ARQ Selcalls QSPV - short exchange (qrz?) w/ SAB63/Goeteborg Maritex(DW)

12576   UCMT: TKH VYACHESLAV DENISOV 0804 ARQ BBXX to UCE. login 54496 UCMT.

12576.5  SHIP "LYNDI/SZRE" 1559 ARQ tfc in EE to Ostria Pireaus via
Goeteborg rdo/SAB63. Poor copy. Freq low by 30 hz. SHIP UNID 1503
ARQ Selcalls QSPV - short exchange (qrz?) w/ SAB63/Goeteborg Maritex(DW)

12577   GMDS: 1622 ARQ Off channel by +300 hz. End qso by time tuned (DW)

12577.5  SHIP UNID 1505 RTTY 50/170 3sc tfc via ?/rdo (DW)

12578   GMDS: 1622 ARQ Off channel by +300 hz. End qso by time tuned (DW)

12578.5  SHIP UNID 1505 RTTY 50/170 3sc tfc via ?/rdo (DW)

12579   GMDS: 1622 ARQ Off channel by +300 hz. End qso by time tuned (DW)

12579.5  SHIP UNID 1505 RTTY 50/170 3sc tfc via ?/rdo (DW)

12580   GMDS: 1622 ARQ Off channel by +300 hz. End qso by time tuned (DW)

12580.5  SHIP UNID 1505 RTTY 50/170 3sc tfc via ?/rdo (DW)

12581   GMDS: 1622 ARQ Off channel by +300 hz. End qso by time tuned (DW)

12581.5  SHIP UNID 1505 RTTY 50/170 3sc tfc via ?/rdo (DW)

12582   GMDS: 1622 ARQ Off channel by +300 hz. End qso by time tuned (DW)

12582.5  SHIP UNID 1505 RTTY 50/170 3sc tfc via ?/rdo (DW)

12583   GMDS: 1622 ARQ Off channel by +300 hz. End qso by time tuned (DW)

12583.5  SHIP UNID 1505 RTTY 50/170 3sc tfc via ?/rdo (DW)

12584   GMDS: 1622 ARQ Off channel by +300 hz. End qso by time tuned (DW)

12584.5  SHIP UNID 1505 RTTY 50/170 3sc tfc via ?/rdo (DW)

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WUNhv02

12590  KPH: San Francisco rdo CA US 2135 ARQ callsign only CW marker. (LVH)

12590.5 KLB: Seattle rdo WA US 2134 ARQ callsign only CW marker. (LVH)

12592.5 NMN: USCG CAMS/LANT Chesapeake VA US 2132 ARQ. callsign only CW marker. (LVH)

12594 IDR5: Italian Navy Rome 1331 RTTY 75R/850 CARB availability "igj41/igj42/igj43/idr2/idr3/idr4/idr5". (PB)

12596 WLO: Mobile rdo AL US 2129 ARQ callsign only CW marker. (LVH)

12598 WCC: Chatham rdo MA US 2128 ARQ callsign only CW marker. (LVH)

12599 WLO: Mobile rdo AL US 2127 ARQ with a callsign only CW marker. (LVH)

12600 KPH: San Francisco rdo CA US 2126 ARQ callsign only CW marker. (LVH)

12601 ZSC: Cape Town rdo South Africa 2124 ARQ DE CW marker. (LVH)

12602.5 IAR: Rome rdo Italy 2123 ARQ callsign only CW marker. (LVH)

12604.5 WLO: Mobile rdo AL US 2121 ARQ callsign only CW marker. (LVH)

12605.5 FFT St Lys France 1317 ARQ ? new freq? (SZ)

12606 WLO: Mobile rdo AL US 2120 ARQ callsign only CW marker. (LVH)

12607.5 WNU: Slidell rdo LA US 2119 ARQ callsign only CW marker. (LVH)

12610.5 VCT: CCG Tors Cove NF Canada 2117 ARQ callsign only CW marker. (LVH)

12625.5 UCE: ARKHANGELSK rdo 1157 ARQ admin to UYRL: TKH PALANGA for Km Zommer, abt bunkering at Holtenau (ITU now gives as UCPM). (HOOD)

12632.5 UGC: ST PETERSBURG rdo 1100 ARQ free idles and CW Marker "UGC". (DW)

12647 LPD: General Pacheco rdo Argentina 2111 ARQ w/ a callsign only CW marker. (LVH)

12664.7 FUM: FN Papeete, Tahiti 1046 RTTY 75/850 ry de fum (EW)

12691 FUX: French Naval Le Port Reunion Islands 2041 RTTY w/ 75 baud RY test tape (LVH)

12730 NMC: USCG San Francisco CA US 2030 FAX 120/576 w/ significant wx chart (LVH)

12750 NMF: USCG Boston, MA US 2027 FAX 120/576 w/ wx chart of New England (LVH) NMF: USCG Boston, Mass 2115 FAX 120/576 500mb 48hr forecast 12z 25nov96. very good quality. (RT2)

12805.6 NKW: Diego Garcia, 0219 FAX 120/576 very weak, USN fax. (ED)

12818 SAB63: Goteborg rdo, Sweden 1031 ARQ idle on betas (EW) SAB63: Goeteborg rdo Sweden 1624 ARQ w/ idler (LVH) SAB 63: GOETENBURG R, S 1600 ARQ telex tcf + selcals (SS)

12830 RKLM: ARKHANGELSK rdo 1302 CW tcf list and freqs 4343/6371.5/8580/12830, then into RTTY 50/170 for UFBY: IUZAS ALEKSONIS. (HOOD)

12857 6WW: French Naval Dakar Senegal 1618 RTTY 75bd RY test tape. (LVH)

12886.5 USO5: IZMALO rdo 0747 RTTY 50/170 admin to UYHH: TKH VOLGA for Km Vdovichenko. (HOOD)

13031.2 FUF: FN Fort de France, Martinique 1133 RTTY 75/850 ry, 10-count de fuf fuf fuf fuf fuf fuf fuf fuf fuf fuf FUF: French Naval Fort de France Martinique 1544 RTTY 75bd RY test tape. (LVH) FUF: FN Fort de France, Mrt 1520 RTTY 75/829 Testing de FUF de FUF ry\sg 1-0-9. (RT2)

13050 UDK2: Murmansk rdo 1410 RTTY 50/170 w/circulars + "ry de UKD/UDK2 521.5/2557.5/4260/6439.5/13050/17020/19718 kgc". (PB)

13054 UIW: Kaliningrad rdo, CIS 1013 RTTY 50/170 msgs in RR (EW)

13059 EBA: Madrid Naval rdo, Spain 1001 RTTY 75/170 cq de eba navarea 3 marine msgs follow. (EW) EBA: SN MADRID 1003 RTTY 75/170 Marker "cq de EBA NAVAREA three NAVAREA tres". Nav warnings in EE and Spanish. EBA: SN MADRID 1715 RTTY 75/170 Nav warnings in Spanish (DW)

13358 German/Italian/Turk Diplom 1023 RS-ARQ 240bd 8 tone, in IRS mode (MC)

13360 German/Italian/Turk Diplom 1557 RS-ARQ 228.5/170 ALIS bursts (MC)

13375.6 German/Italian Diplom 0098 RS-ARQ 228.7/180 tcf (MC)

13376.5 Guardia Civil: unid location 1818 ARQ w/weak SS tcf. (RB)

13392 UNID: 1228 FEC-A 144/386 idle + op chatter til closeout (SS)

13395 CLPI: Havana 1535 RTTY 75/484 chatter in SS (SS)

13399 DFZG: MFA Belgrade 1441 RTTY 75/400 diplo tcf (DG) DFZG: MFA BELGRADE 1435 RTTY 75/R/400 Encrypted tcf (DW)

13419 6XM8: BND/Mossad link 1449 ARQ-E 288/156 encrypted tcf (PB)

13425.6 7RP40: Algerian Embassy, Brussels 1438 COQUELET-8V2 26.7bd to MFA Algiers Q5X 13428.4kHz (MC)

13431.7 Egyptian MFA, Cairo 1527 ARQ ATU-80 to various embassies (MC)

13438.6 DGN43HI: PIAB Bonn, G 1100 FEC-A 96/425 frequency schedule (EW)

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13444.2 RFQP: FF Djibouti, Djibouti 0703 ARQ-E3 100/425 idle (EW)
13446.7 MFA Islamabad, Pakistan 1216 TWINPLEX 100/170 encrypted msgs + 5fgs(EW)
Pakistani Emb Doha QAT 1205 ARQ w/req to tx; MFA Islamabad PAK 1210 ARQ w/msgs to all missions abroad (ML2)
13486.9 OZU25: MFA Copenhagen, Denmark 1218 TWINPLEX 100/170 5fgs (EW) OZU25: Danish MFA, Copenhagen 0841 TWINPLEX 100/400 crypto header "rtl 25 : : : : ssswwwwss" (MC)
13490 Unid: 0848 81h81 40.5/500 tfc (MC)
13499.5 Unid: 0852 UNID 100/2000 UNID FSK System (MC)
13506.7 Unid 1237 ARQ ATUhA tfc. (MFA Cairo and Egyptian Embassy here recently LOGS)
13510 CFH: CF Halifax 1441 RTTY 75R/428 wx (PB) CFH: CF Halifax 1235 RTTY 75 wx. (BvR) CFH: CF Halifax 1949 FAX 120/576 w/wx chart. (DW2)
13525.5 unid 1112 PICCOLO Mk-6 idle.(ED)
13541 NNNCVN: USS Briscoe 1155 ARQ mars grams.(BvR) Unid 1947 ARQ, end of msg and down to tone. (DW2)
13543.7 RFTJD: French Forces, Libreville 1925 ARQhE3 192/363 (presumed) idling. (RB) RFTJD: FF Libreville, GAB 1920 ARQ-E3 192/340 idle (SS)
13545.6 PCW1: MFA Den Haag 1510 TWINPLEX 100 mgs to EST NUN MOS (Moscow? sc twvq?) 1555 s/off. (BvR)
13550 U3H: Emb. France, Moscow 1420 FEC-A 192/850 "de u3h 2921420 znr uuuu ok le bonsoir a tous score 1455////2859 bye bonne fin de soiree" (PB)
13560 U3H, French Embassy, Moscow 0845 FEC-A 192 bd wkg RFGW. (JD2)
13560.5 AA ANKARA (TCY) 0955 RTTY 50/1200 Press in FF. Jammer? - sliding noise pattern through freq and other qrm. Press in FF. Frequency also unstable drift down in short period by 106hz (DW)
13570 Unid: 1001 UNID 200 CIS-SYSTEM, cannot decode (EW)
13578.9 DPN5711: PIAP Bonn, G 1010 FEC-A 96/425 GG nx (EW)
13580 MKK: RAF London 1340 PICCOLO-6 w/svc msg to MTS Stanley FLK (ML2)
13585.9 Map Rabat, Morocco 1003 RTTY 50/425 nx in Arabic (EW)
13593.7 RFQA: MOD Paris, F 0938 ARQ-M2 200/425 idle (EW)
13597 JMH4: Tokyo Meteo, Japan 0529 FAX 120/576 wx map (EW)
13645.2 MOD Paris, F 0941 ARQ-M2 200/425 idle (EW)
13658.7 MFA Cairo 1000 ARQ wkg/unicom embassy in Asia/Pacific til 1045 (ANEE)
13665.3 6VU23: Dakar, SENEGAL 1700 RTTY 75/400 LSB of 13667.5 kHz. (JD2)
13669.2 6VU23: Dakar, SENEGAL 1700 FAX 120/576 on USB of 13667.5 kHz, frequency of this station varies greatly. (JD2)
13809.5 GYU: Gibraltar 1840 PICCOLO Mk-6 Operator msg.(ED)
13841.8 GXQ: RN London 1408 RTTY 50R/340 foxes (PB)
13846.7 RFQP: FF Djibouti, Djibouti 0703 ARQ-E3 100/425 idle (EW)
13850 SOUD Station,??? 1353 RTTY 75/500 5Lgs on link "11177 00052 96001 17263 85132" (MC) SOUD station 1331 RTTY 75/490 11177 00052 80104 03923 (PB)
13852 ANBD:Embassy of Poland Madrid Spain 1046 POL-ARQ telegrams to Warsaw(MS)
13866.9 6VU23: Dakar, SENEGAL 1200 ARQ-E3 100/250 5l tfc til 1300 (ANEE)
13871 Unid: 1245 ARQ6-98 100/250 5l tfc til 1300 (ANEE)
13877.2 Unid 0721 UNID 50/85 cannot decode (EW)
13882.5 HAMBURG MET (DDK6) 0846 FAX 120/576 Hazy chart of N Sea (DW)
13900 prob BMB: T'ai'pei Meteo 1925 FAX 120/576, sounds like satellite photo, but unable to get good read due to heavy fading. (DW2) BMF: Taipei Meteo, Taiwan 1008 FAX 120/576 wx map (EW)
13903 Mossad 0815 ARQ-E 96 wkg/BND on-line encryption til 1215 (ANEE) Unid 1451 ARQ-E encryption nothing readable bnd? (BvR) UNID: 1240 ARQ-E 96/170 enc tcf, also logged in 03/95 w/enc tcf (SS) FLA: MOSSAD SANA ? 0916 ARQ/E/96/1/200 8rc. Online encrypted tcf (DW)
13906 unid: Mossad Yemen ?? 1410 ARQ-E 96/200. Good sync on apparently encrypted tcf. At one point the stream seemed to apparently break out of encryption and sent the string STQ STQ STQ STQ STQ for about 2 lines then back to random characters. Klingenfuss lists this freq and mode as MOSSAD in Yemen to Tel Aviv. Was I really copying the MOSSAD station in Yemen here in New Mexico w/ such good sigs? Anybody have any other ideas ?? (DB) (yes you CAN, can anyWUN confirm?? - LOGS)
13909.5 Unid: 0858 UNID 100/2000 UNID FSK System (MC)
13915 UNID ICRC 1913 ICRC-PACTOR 200/200, w/tfc re: setup in Eastern Zaire and caring for unaccompanied children. Signed off w/chatter. No callsigns given. (DW2)

13920 AXM35: Melbourne Meteo 2002 FAX 120/576 w/wx chart. Some fading but decent read on chart. (DW2)

13921.2 UNID: 1940 RTTY 75/250 operator chatter in Italian til signoff + followed xm in Unid mode 300/250 (SS)

13933 MFA Sofia 1200 IRA-ARQ 100/120 tfc til 1215 also ita2 150 baud (ANEE) DOR: MFA Sofia, Bulgaria 1011 RTTY 150/500 msgs in Bulgarian (EW)

13933.3 Unid 1143 RTTY 150 E eur mgs ending w/ znk k znk k. (MFA Sofia here - LOGS)


13946.4 MFA Tunis 1200 FEC wkg/various African embassies til 1830 (ANEE)

13947 ROMS: TASHKENT MET 0931 FAX 90/576 Chart of central Russian landmass(DW)

13950.9 unid: Havana 2145 RTTY ,50/500 Sp. nx from Prensa.(ED)

13951 HBD20: MFA Berne 1422 ARQ w/tg's to Swiss Embassy Washington DC from MFA Berne. Second tg at 1451, also from MFA to Washington. (DW2) HDB20: MFA BERNE, SUI 1304 ARQ 5lgs (multiple pages) (SS)


13954.5 unid: Prob Swiss Embassy 1649 ARQ w/ 5L groups. Passed SELCAL BMOC at closing. Again at 1745 w/ 5L groups. Both times I came up on the signal in the middle of transmission. HBD20: MFA Berne 1505 ARQ w/tg's to Swiss Embassy, Havana.(DW2)

13956 Russian Navy 1200 81-81 sub broadcast? til 1245 (ANEE)

13956.5 MFA Tunis 1000 FEC wkg/various European embassies til 1300(sbrs mode) (ANEE) 5PO: MFA Tunisia 1950 FEC wkg 5RM. 1950 w/ ry's then"int qsa int qru int qru qru kkkkkkkk". At 2009: "5555555555RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR
14381.2 British Mil,?? 0809 Piccolo-12, crypto (MC)
14386.2 Russian Mil,?? 1243 MS5 12 tone vocoder (3300Hz pilot), tfc (MC)
14400 Unid: 0931 81h81 81/250 tfc (MC)
14404 Russian Navy,?? 1328 36-50 50/250 short msgs (MC)
14405.5 NATO Mil,?? 1245 UNID 2400bps UNID System, preceded by MILh188h141 ALE. (MC)
14411.3 Unid: 1137 PACTOR 200/200 UNID submode, tfc (MC)
14425.2 Baseh3 2203 GhTOR 100/200 100 baud ascii, sp.,Base3 to Lubo,Rotax/Borax. Unknown user.(ED)
14428 Russian Mil,?? 0840 MS5 12 tone vocoder (3300Hz pilot), tfc on LSB(MC)
14429.6 Unid 1200 UNID 75.6/100 beamed at/in W. Europe til 1230 (ANEE)
14430.8 Unid 1200 UNID 75.6/100 beamed at/in W. Europe til 1230 (ANEE)
14430.8 unid 2149 G-TOR 100/200 100 baud ascii, sp. msg. re: permit and list.(ED)
14431.7 Chinese Diplo,??? 0756 4+4, tfc (MC)
14432.9 PEPE, TITO 1703 PACKET, 300/200 5 number groups, Sp. op comms (ED)
14438.2 FJY2: TAAF PorthauxhFrancais KER 0400 ARQhE3 96/400 w/msgs to FJY3(ML2)
14451.7 Egyptian MFA, Cairo 1449 ARQ ATUh80 MSGs to Embassy Rome QSX
14461.7 Pakiastani Embassy, Moscow 0954 ARQ crypto to MFA Islamabad (MC) ASP32: Pakiastani MFA, Islamabad 0952 TWINPLEX 100/140 MSGs in EE to Embassy Moscow (MC)
14473 Unid: 1101 UNID 400/425 cannot decode (EW)
14477 Unid: 1321 UNID 300.1/850 UNID FSK System, sync, cont, ACF=0 (MC)
14497.5 CSY: Santa Maria air 0908 RTTY 50, mgs.(BvR) CSY: Santa Maria Air Azores 1745 RTTY 50/797 NOTAM/synopis wx. (RT2) CSY 66: SANTA MARIA AIR, AZR 2023 RTTY 50/850 meteo (SS)
14502.2 unid 1234 Unknown 110/170 strong 11 bit correlation, most 110 baud stations were random.(ED)
14508 Unid: 0810 UNID 75/250 UNID FSK System, sync, cont, ACF=0 (MC) D4B: 1925 RTTY 50/946 RYS TESTING D4B (RT2)
14523.8 SAM: MFA Stockholm 1210 SWED-ARQ w/msgs to SAM60 Islamabad (ML2)
14534 AFA1NC: Unid MARS 1642 PACKET c1g AFA2FK (Unid MARS) and AFA1AH (Unid MARS). (Dw2)
14540 09B8: Fr Emb Cairo 1138 FEC-A 192, 5 fgs to RFGW.
14542.2 Russian Mil,?? 0811 MS5 12 tone vocoder (3300Hz pilot), tfc (MC)
14558 N2G: French Emb San’a YEM 0850 FEC-A 192/425 w/5LGs; W3S: French Emb Islamabad 0800 FEC-A 192/850 w/5LGs (ML2)
14573 5AQ70: JANA Tripoli, Libya 1049 RTTY 50/425 arabic nx (EW)
14576 P62: French MFA, Paris 1504 FEC-A 192/400 idle (MC)
14581 Russian Navy 0830 36-50 36.1 bdctst til 0900 (ANEE)
14585.7 RFFLAD: FF N’Djamena, Chad 1055 ARQ-E3 200/425 idle (EW)
14597.7 Italian Diplo/Mil,?? 1309 UNID 1200bps UNID FSK System (MC)
14600 Russian Diplo,?? 0812 CROWD-36, tfc (MC)
14606.7 RFVI: FF Fort De France 1057 ARQ-E3 100/425 idle (EW)
14623 Russian Diplo,?? 0800 CROWD-36, selcal mode (MC)
14626.7 RFLI: FF Fort De France, Martinique 1059 ARQ-E3 192/425 idle (EW) RFLI: FN Fort de France 2220 ARQ-E3 192/354, (RT2) prob RFLI: FF Fort de France 2043 ARQ-E3 192/310 w/idles (Dw2)
14637.8 unid 2150 G-TOR 100/200 "Movil2" and "Base1", no tfc.(ED)
14639 Pol Emb Bagdad 1208 ARQ-POL 100 5fgs and clr mgs to Warsaw. (BvR)
14645.7 MFA Cairo, Egypt 1112 ARQ arabic msgs and 5fgs (EW)
14650 Unid: 0811 UNID 100/500 UNID FSK System, sync, cont, ACF=0 (MC)
14654.5 SPW: Warsaw rdo, Poland 1103 FEC tfc list, off at 1101 when cw marker (EW)
14670.2 RFFVAT: FF Incirlik, Turkey 1105 ARQ-M2 200/425 idle (EW)
14671 Unid: 1122 UNID 250/170 UNID ARQ System (MC)
14674.2 Russian Mil,?? 0803 MS5 12 tone vocoder (3300Hz pilot), tfc (MC)
14675.7 unid: Panama 2356 ARQ 5lg's,to Haiti, Japanese Emb., selcal "ixxf".(ED)
14679 Russian Diplo,?? 0935 CROWD-36, tfc (MC)
14680 V5G: MFA Bucharest, Rou 1455 ROU-FEC 164.5/400 w/Rumanian tfc, encrypted text. (RB)
14681 Bucharest Romania 1245 RUM-FEC 164 bd Ministry of Foreign Affairs tentative, encrypted tfc, then into CW(MS) V5G: MFA Bucharest 1112 ROU-FEC 164.5/391 online encrypted tfc. (PB) V5G: MFA Bucharest, Romania 1106 ROU-FEC 164.6/400 circulars in Romanian (EW)
14692.5 JM34: Tokyo Meteo 2123 FAX 120/576 w/wx chart. Good copy w/ only
slight fading. (Dw2) JM34: Tokyo Meteo, Japan 1108 FAX 120/576 wx maps (Ew) JM34: Tokyo Meteo Japan 2300 FAX (120/576) w/ wx chart (LVH)

14694.7 Unid: 0818 UNID 301.1/800 Packet rdo UNID System (MC)
14699 YIX70: INA nx Agency, Iraq 1207 RTTY 50/425 arabic nx (EW)
14705 Russian Diplo,??? 0936 CROWD-36, tcf (MC)
14707 Russian Diplo,??? 0813 CROWD-36, tcf (MC)
14713 Unid: 1132 CROWD36 cannot decode (EW)
14713.5 MFA Moscow 0800 CROWD36 40.1 wkg/embassies cen. and W. Europe til 1030 (ANEE)
14718.2 Russian Mil,??? 1136 MS5 12 tone vocoder (3300Hz pilot), tcf (MC)
14718.3 Unid: 1937 ARQhE3 idle. (RT2) (prob FF Noumea, NCL - LOGS)
14732 RFVI: FF Le Port, Reunion 1205 ARQ-E 96/425 idle (EW) Polish Diplo,???
14742.7 MFA Cairo 1230 ARQ w/ATU-80 msgs to Abu Dhabi (ML2)
14742.9 N Korean MFA, Pyongyang 0900 RTTY 50/1000 5Fgs ending "------- qru qru" (MC)
14763 A9M70: GNA Manama, Bahrain 1200 RTTY 75/425 nx in arabic (EW)
14784 SNN29: MFA Warsaw, Poland 0330 POL-ARQ 100/170 circulars in PP. possible press review sent afterwards. (EW)
14798.3 RFFVAE: FF Dhahran, Saudi Arabia 1139 ARQ-E 192/425 idle (EW)
14801.7 RFVI: FF Le Port, Reunion 1110 ARQ-E 100/425 idle cdev (EW)
14814.4 SAM: MFA Stockholm 0926 ARQ-SWE 100, mgs to Ankara. (BVR)
14815.6 unid 1521 144/200 not FEChA, apparent random correlation, unknown. (ED)
14817.5 JPA(?) Japan(?) 0201 ARQ. Encrypted trfc., even line widths, no spaces. One of the Asian Interpol net, and probably JPA. This net hasn't propagated here for almost 2 years. Ionospheric optimism? (ED) INTERPOL, ??? 0840 ARQ crypto on selcall "IPIX" (MC)
14821 Russian Diplo,??? 0849 CROWD-36, tcf (MC)
14823 Russian Diplo,??? 0813 CROWD-36, tcf (MC)
14838 VVD56: Delhi Meteo IND 0840 RTTY 50/170 w/synops wx (ML2) Unid: 0305 RTTY 50/170 Unid met station (MS4) (poss VVD56 - Delhi Meteo - LOGS)
14842 ATP65: Delhi Meteo, India 0907 FAX 120/576 wx map (EW)
14848.5 MKK: London 0158 PICCOLO Mkh6 Msg. to "MUD", (ED)
14852 MKD: RAF Akrotiri 1210 PICCOLO-6 w/svce msg to unid sta (ML2)
14855.3 DOR: MFA Sofia 1049 RTTY 150 EE nx. (BVR) DOR: Bulgarian MFA, Sofia 1002 RTTY 150/500 Press review in Bulgarian (MC)
14868 Unid: 0812 UNID 75/250 UNID FSK System, sync, cont, ACF=0 (MC)
14874 HGX21: MFA Budapest, Hungary 0904 DUP-ARQ 125/170 5Fgs (EW)
14890 unid 0155 RTTY 75/400 5 number groups, cud be meteo, "qtc 1 qtc 1".(ED)
14894.3 Bulgarian Diplo,??? 1005 UNID 362.3/500 UNID FSK System, ACF=10 (MC)
14903.4 SAM: MFA Stockholm 1307 ARQ-SWE 100/400 Swed. msgs. (ED)
14923 Xinhuax Agency, China 0300 RTTY w/ann rdo shortwave EE nx transmssions to end Jan 1, 1997. (TK)
14926.7 prob RFTJ: FF Dakar 2036 ARQ-E3 (192/356) w/idles. prob RFTJ: FF Dakar 1851 ARQ-E3 (192/380) w/ idles (DW2) RFTJ: FF Dakar, Senegal 0803 ARQ-E3 192/425 idle (EW) RFTJ: FF Dakar, Sen 1608 ARQ-E3 192/356 6ng/5ng/5lg (RT2)
14927.6 RFL1: FF Fort de France, Martinique 1059 ARQ-E3 192/425 idle (EW)
14932 Xinhuax Agency, China 0300 RTTY w/ann re ending EE nx on shortwave rdo as of Jan.1, 1997. (TK)
14941.7 FJY3: TAAF Dumont d'Urville ATA 0350 ARQ-E3 w/msgs to FJY2 (ML2)
14946.2 Russian Mil,??? 0823 MS5 12 tone vocoder (3300Hz pilot), tcf (MC)
14959.7 RFTJ: FF Dakar, Senegal 1116 ARQ-E3 1902/425 idle (EW)
14960 prob RFTJ: FF Dakar 2033 ARQ-E3 (192/380) w/idles. (DW2)
14966.7 MFA Cairo 1300 ARQ wkg/embassy Moscow w/visa approvals for various Russian individuals (ANEE)
14970.5 SAM: Swedish MFA, Stockholm 1115 SWED-ARQ 100/400 5LGs to UNID embassy(MC)
14982.5 RBV76: Tashkent Meteo, CIS 1118 FAX 90/576 wx map (EW)
14990.7 MFA Den Haag 1200 TWINPLEX 100 wkg/Unid w/line tests (ANEE)
15016.7 Unid: 1207 ARQ idled for a long time. is this MFA Cairo? off at 1210utc (EW) (MFA Cairo has been logged here before - LOGS)
15052 SNN299: MFA Warsaw, Poland 1224 POL-ARQ 100/170 looks like a press review in PP (EW)

1507.1 EGYPTIAN EMB ?LOC 1109 ARQ Tfc in ATU80 then idling betas. Changes to irs when final sign off (Dw) (Egyptian Embassy Manama, Bahrain has been logged here in the past - LOGS)

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WUNhv02

15720.5 British Mil, 1137 Piccolo-12, crypto (MC)
15729.1 PCWL: MFA The Hague, Netherlands 2220 TWINPLEX 100/170 5fgs (EW)
15735 Untd system 1206 296.3/400 same on 15035 at 1152 (PB)
15745.8 Untid: 0819 PACTOR untid, heavy qrm (RH2)
15769.7 Chinese Diplom, 0903 4+4, idle (MC)
15772.0 Polish MFA? 1506 296.3/400 same on 15035 at 1152 (PB)
15781.8 Unid: 1220 PACTOR unid, heavy qrm (RH2)
15792.0 SPP341: Polish Embassy, Lagos 1117 POLhARQ 100/250 MSGs in Polish to Warsaw headed "m: lagos" (MC)
15821.8 SAM?: MFA STOCKHOLM 1230 SWEDhARQ 100/400 real-oldtime SWEDhARQ, just caught "END OF msg" (RH2)
15822.0 SAM: Swedish MFA, Stockholm 1148 SWEDhARQ 100/400 5LGs to embassies (MC)
15822.9 SAM: Swedish MFA, Stockholm 1252 SWEDhARQ 100/400 MSGs in SS to Embassy Bissau (MC) SAM81: Swedish Embassy, Bissau 1253 SWEDhARQ 100/400 MSGs in SS to MFA Stockholm (MC).
15845.2 Untid: 1127 UNID 80/850 cannot decode (EW)
15854.9 Untid: 1223 PACTOR untid, unable decode (RH2)
15871.6 FF ?LOC 1351 ARQhE 96/400 8rc Betas. Weak sync. No ttc (DW) (prob RFFX: MOD PARIS - LOGS) RFFX MOD Paris 0900 ARQ-E 96/400 w/tfc & sve msg (re distorted msg rcvd on cct XZI) to Bangui cct XXI (cct XXI was prev dictated this freq) (RH2) Untid: 1014 ARQ-E 96/425 stuff (EW)
15861.9 SAM: MFA STOCKHOLM 1719 CLOVER unable decode. M7000 tunes to RTTY! (RH2)
15871.6 Russian Navy, 1331 36-50 50/250 ttc (MC)
15873.0 P62: MFA Paris F 1046 FEC-A 192/400/450 Wffs (EW)
15878.0 P62: MFA Paris F 1015 FEC-A 192/455 Wffs (EW)
15892.0 CFH: Canadian Forces Halifax 1830 RTTY 75/850 "NAWS DE CFH ZKR F1 2822 3287 4155 6245 8309 12386 16576 22185" (RH2)
15894.0 Unid: 0711 UNID 40.4/425 cannot decode (EW) (40.5 is single ch 81h81 log)
15946.5 EAE220: MFA Madrid 1228 TWINPLEX 100, opr tks (no id). (BvR)
15959.6 NAA: USN Cutler Maine 1609 FAX 120/576 w/satellite photo (DW2) USN CUTLER 1517 FAX 120/576 N Atlantic chart labelled "Product not available" (DW)
15961.7 RFLL: FF Fort de France 1233 ARQ-E3 idle (no id). (BvR)
15961.9 RFLL: FF Fort de France 1233 ARQ-E3 192/400 CdeV on BFL cid (RH2)
15969.8 Untid: 1728 UNID 75/850 unable decode. NATO/ CIS? (RH2)
16014.2 RFQP: FF Djibouti, Djibouti 0837 ARQ-E3 100/425 idle (EW)
16017.4 MFA Bonn 0845 RS-ARQ 228.7 wkg/Europe 0845/0915 (ANEE)
16020.4 MFA Bonn 1200 RS-ARQ 228.7 wkg/same as 15859.4? til 1415 (ANEE)
16021.7 Untid 1438 ARQ ATU-A ttc. (BvR) (MFA Cairo logged here - LOGS) MFA CAIRO 1102 ARQ Ttc in ATU80. Constant mark between bursts. Opr chat and signoff (DW)
16025.6 BAF9: Beijing rdo, China 0937 FAX 120/576 wx map (EW)
16027.6 NPM: APRA Harbour rdo, Guam 0919 FAX 120/576 wx map (EW) USN APRA Harbour 1255 FAX 120/576 surface pressure chart (RH2)
16032.0 Untid: 1625. FEC-A 96/210. 5LGs off w/ BT GR141 IN N. Difficult sync. and moderate QRM from RTTY station 1 khz down. (PS)
16032.4 Untid: UTC? FEC-A 96/70 synched up in middle of msg, w/nvamv lursa avybd, bt. gr683. (DB)
16041.7 AA3USA: US Army MARS, Fort Meade 1123 PACKET 300/200 uuencoded data to "AEUSA" (MC)
16045.2 Untid: 0921 UNID 100/850 cannot decode (EW)
16045.4 Untid: 1314 UNID 96/835 unable decode (RH2)
16046.6 A3E: USNAF, Croughton, UK 1415 ISB B9W VFT 6028 on USB, voice on LSB. (JD2)
16051.7 ASP32: Pakistan MFA, Islamabad 0908 TWINPLEX 100/140 MSGs in EE (MC)
16055 Unid: 0839 UNID 75/850 cannot decode (EW)
16056 Unid 1234 RTTY 75 E Eur mgs gos gos znn r80/1 + 4 info gb 73 88 sk fm sq & e prelety na 7.12. (BvR)
16057.2 Unid: 0923 UNID 75/850 cannot decode (EW)
16062.7 Egyptian Embassy, Kampala 1140 ARQ 5Lgs to MFA Cairo marked "jg wypkd" (MC)
16066.7 MFA Cairo, Egypt 1020 ARQ 5fgs (EW)
16071.7 MFA Cairo 1333 ARQ eng mgs.(BvR)
16073.9 MFA Oslo 0930 TWINPLEX 100 wkg/Unid til 1230 (ANEE) MFA Oslo, Norway 0945 TWINPLEX 100/170 encrypted msgs (EW)
16077.8 RFFA: MOD Paris 1732 ARQhE3 192/392 idling (RH2)
16087.7 prob RFVI: French Forces Le Port De Reunion 1601 ARQ-E3 100/334 w/idles.(DW2) RFVI: FF LE PORT 1221 ARQ-E3 100/400 Brc. Seems to be struggling on circuit permanently giving "Rq Lf de RFV" (DW) RFVI: French Navy Port De Reunion. 1752 ARQ-E3 100/300. Controle De Voie and relaying tfc for PARIS MOD. Circuit CRI. (PS) RFVI: FF St Denis, Reunion 0946 ARQ-E3 96/425 idle (EW) RFVI: FN Le Port 1318 ARQ-E3 100/424 idling (RH2)
16098 Unid Sui diplo? 1259 ARQ irs mode. Unid Sui diplo 1259 ARQ 1307 s/off w/out id.(BvR)
16101 SWISS EMB ?LOC 1249 ARQ Tfc in offline encrypt. End of msg. NO ID(DW)
16102 HBD71: Sui Emb Ammam 1259 ARQ no msg +? hbd 71 +? s/off.(BvR)
16103.9 MFA OSLO, NORWAY 0840 TWINPLEX 200/170 idle (EW)
16106.9 SAM: MFA Stockholm 1551 ARQ-SWE 100/360/3 char block w/plain text msgs.(DW2)
16109 SNN299: MFA WARSAW POLAND 1026 POLhARQ 100/170 ENCRYPTED MSGS (EW)
16111 HBD20: MFA BERNE SWITZERLAND 1125 ARQ 5fgs(EW)
16113 HBD20: MFA BERNE SWITZERLAND 1127 ARQ 5fgs(EW)
16113.7 Unid 1344 ARQ ATuhA tfc. (BvR)
16118 MFA Berne 0845 ARQ wkg/embassy Tel Aviv til 0930 (ANEE) Unid 1300 ARQ irs mode.v. HBD20: MFA BERNE SWITZERLAND 0948 ARQ 5fgs (EW) HBD28: SWISS EMB KHARTOUM 1317 ARQ in irs mode. Finishes w/ "d 28" (HBD28) and off air (DW)
16119.9 MFA Berne 1500 ARQ wkg/embassy Brasilia til 1600 (ANEE) SWISS EMB ?LOC 1326 ARQ Tfc in offline encryption. Offair w/ no ID(DW)
16122.7 Unid: 1738 UNID 50/852 unable decode (RH2)
16124 HBD20: MFA BERNE SWITZERLAND 1023 ARQ 5fgs(EW) UNID 1559 RTTY 50/400 On line encrypted. Occ CW responses. Ends (in CW) "r qr x aka 0800 qtc r cours" (DW)
16133.1 P6Z: MFA PARIS FRANCE 1223 ARQ-6-90 200/170 ENCRYPTED msg TO RIYAHD(EW)
16135 KVM70: Honolulu Meteo, Hawaii 0717 FAX 120/576 wx map (EW)
16136 BZR66: Xinhua Beijing, China 1026 RTTY 75/425 ry freq information (EW)
16136.3 BZR66: XNA Beijing 1321 RTTY 75/381 nx/EE (RH2)
16141.2 unid: 1753 Unknown 200/200 40 bit correlation, no decode, synchronous.(ED)
16149.5 MFA MOSCOW FRANCE 0845 CROWD36 40.1 tfc til 0915 (ANEE)
16161.7 Unid: 1132 TWINPLEX 100/400 encrypted text. don't know who this is.(EW)
16165.2 RFPA: MOD Paris, F 0952 ARQ-M2 200/425 idle (EW) (Supposedly MFA, not MOD - LOGS)
16165.3 RFQP: FF Jibouti 1742 ARQ-M2 200/375 CdeV prefixed "CO38". no CID (usually QPB) (RH2)
16182.5 NATO Mil,??? 1249 UNID 2400bps UNID PSK System, short bursts plus MIL-188-141 ALE pulses (MC)
16192 Unid: 1125 UNID 75/250 UNID FSK System, sync. cont. ACF=0 (MC)
16193.2 RFQP: FF Djibouti, Djibouti 0954 ARQ-M2 200/425 idle (EW)
16209.9 OZU25: MFA Copenhagen, Denmark 1031 TWINPLEX 100/425 encrypted text(EW)
16227.7 Unid 1310 ARQ-E 96 idle no tfc or id for hours. (BvR) Unid: 0855 ARQ-E 96/425 idle for hours. sends no tfc. (EW)
16227.8 Unid: 1750 UNID 96/375 tunes to ARQ-S4 & also ARQ-E. Poss FF Bangui?(RH2)
16231.7 Egyptian MFA, Cairo 1255 ARQ ATU-80 MSGs to many embassies (MC)
16242 N2G: French Emb San'a YEM 0950 FEC-A 192/425 w/5Lgs;098: French Emb
Cairo 1230 FEC-A 192/425 w/5LGs (ML2) P6Z: French MFA, Paris 1343 FEC-A 192/400 Opchat in FF (MC)

16266.7 Pakistani Embassy, Ankara 1146 TWINPLEX 100/140 MSGs in EE marked "parep ankara". ASP32: Pakistani MFA, Islamabad 1231 TWINPLEX 100/140 MSGs in EE to Embassy Ankara (MC)

16266 P6Z: MFA Paris, F 1047 FEC-A 192/400 5fgs (EW)

16261.8 RFT3D: FF Libreville 1800 ARQ-E3 192/380 FM Batinmfam Libreville to RFFCCC Centeradmi Lille et Al (RH2)

16270 Unid: 0957 CROWD36 cannot decode (EW)

16272 British MFA,??? 1127 Piccolo-12, idle (MC)

16274.8 Unid: 0912 PACTOR 200/200 UNID subhmode (MC)

16276 Unid: 1033 CROWD36 cannot decode (EW)

16280.2 prob RFFA: MOD Paris 1537 ARQ-M2 (200/296) w/idles. (DW2) RFQP: FF Djibouti, Djibouti 0957 CROWD36 cannot decode (EW)

16284.9 MFA Oslo 0845 TWINPLEX 100 tcf til 0930 (ANEE) OZU25: MFA ALGIERS 1042 TWINPLEX 100/400 MSGs to MFA Copenhagen. Danish Embassy, Riyadh 1042 TWINPLEX 100/400 MSGs to MFA Copenhagen. Danish Embassy, Dhaka 1041 TWINPLEX 100/400 MSGs to MFA Copenhagen. Danish Embassy, TelAviv 1938 TWINPLEX 100/400 MSGs to MFA Copenhagen. OZU25: Danish MFA, Copenhagen 1231 TWINPLEX 100/400 MSGs in EE to Cairo (MC)

16290.8 CLPJ: MFA, Havana, Cuba 1623 RTTY 50/460 w/SS circulars, then minrex EE nx to 1742. (RB)

16302 Unid: 1138 CROWD36 cannot decode (EW)

16305.1 Unid: 1001 RTTY 75/425 5fgs (EW)

16315 French Diplo,??? 0913 TT2300b 100, idle (MC)

16317 Unid: 1010 UNID 50/425 cishsystem? cannot decode (EW)

16324.7 RFT3D: FF Libreville 1548 ARQ-E3 192/400 8rc Betas. 1604z svc cct ((JD)) RFTJCS de RFTJD zfx TJD 472 a 473 (DW) RFTJD: FF Libreville 1430 ARQ-E3 192 idle (no id)(VR) RFTJD: FF Douala, Cameroon 0828 ARQ-E3 192/425 idle (EW) (FF Libreville, Gabon – LOGS) RFTJD: Libreville, Gabon 1615 ARQ-E3 192 bd Wkg RFT3 on CCT JDJ. (JD2) RFTJF: French Forces, Libreville, Gabon 1629 ARQ-E3 192/342 idling, w/C de V at 1830. (RB)

16332.4 V5G: MFA Bucharest, Romania 1156 ROU-ARQ 164.5/400 encrypted text (EW)

16355 FZS63: St Denis Meteo, Reunion 0937 RTTY 75/425 wx information. FZS63: St Denis Meteo, Reunion 0522 FAX 120/576 wx map (EW)

16340.1 ZKLF: Auckland Meteo, NZ 0901 FAX 120/576 wx map (EW)

16342.1 V5G: MFA Bucharest, Romania 0903 ROU-ARQ 164.5/400 circulars in Rumanian (EW)

16343.3 V5G: MFA Bucharest 1320 ROU-ARQ 218.2/395 online encrypted tcf.(PB)

16347 unid 1518 FEC w/plaintext Greek tcf. Greek mv net? (Dw2)

16352 Unid: 0900 UNID 200/425 cannot decode (EW)

16352.2 Rumanian Diplo,??? 1022 ROU-ARQ 218.3/400 crypto (MC)

16354.9 OMZ: MFA Prague, CZ 1142 RTTY 100/850 encrypted msgs (EW)

16357 OMZ: MFA Prague, CZ 0911 RTTY 100/425 circulars in Czech (EW)

16386.7 MFA Islamabad, Pakistan 1040 TWINPLEX 100/425 5fgs (EW) MFA Islamabad, Pakistan 1221 TWINPLEX 100/170 encrypted msgs=5fgs (EW)

16428 SNN299: MFA Warsaw, Poland 1204 POL-ARQ 100/170 circulars in polish. Sign off at 1201 w/ cw (EW) KRN: Loc. Unk. 1736. RTTY 75/535. Suspected Russian Diplo/Intel station w/ 1 msg of 1 5LGs for recipient KRN.20db signal. (PS)

16483 P6Z: MFA Paris 0930 ARQ6-90 w/5LGs to NDJA N'djamena (ML2)

16555.6 Unid: 0903 ARQ-M2/242 100/170 idle VFT group here can only get one channel to sync. (EW)

16688.5 UZUX: Geori Sevastopolya 1432 ARQ tcf. 3FFE6: Glory Mountain 1556 ARQ ETA SW pass. (AB2)

16690 CGOM3: unid 1559 ARQ tcf, selcall 70184. UBLA: Mekhanik Slauta 1612 ARQ tcf to Global Petroleum Co, USA. (AB2)

16694 HBFT: SILVRETTA 2310 ARQ W/Amver/PR. 2049N 12632W. Login 51102 HBFT. (WT)

16697 P3L22: M/V Arosa 1738 ARQ 30,499 DWT bulk carrier (HP Limmassol), w/noon posn report to Buenaventure, login 29212 AROSA. SWKM: M/V Commander 1915 ARQ 123,180 DWT combination vsl, w/crew list tlx, login 26550 COMA. (RB) C6KR7: M/V WINTER MOON 1820 ARQ W/Amver tcf. Login 26125 WINMON. (WT)

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WUNhv02

16951.5 6WW: French Naval Dakar Senegal 1927 RTTY w/ 75 baud RY test tape (LVH)
6WW: FN Dakar, Senegal 0836 RTTY 75/850 ry sg 6ww 6ww (EW)

16958 6WW: FN Dakar, Senegal 0836 RTTY 75/850 ry sg 6ww 6ww (EW)

16960 CKN: Canforce Esquimalt BC Canada 1728 RTTY 75bd NAWS test tape. (LVH)

16961.5 FUF: French Naval Fort de France Martinique 1727 RTTY 75bd RY test tape (LVH)

16971 JJC: Tokyo Meteo, Japan 0841 FAX 120/576 wx map (EW) JJC: Kyodo Tokyo Japan 2233. FAX w/ transmission parallel to 17069.5 kHz (LVH)

17022.5 WLO: MOBILE rdo 1735 FEC Tropical wx outlook. Tfc list. Tropical storm MARCO MARCOS tact data (DW)

17069.5 JJC: Kyodo Tokyo Japan w/ very weak FAX 60/576 signal 2224. Picture really distorted look like newprint. (LVH) JJC: Tokyo rdo, Japan 0910 FAX 60/288 Japanese text (EW)

17141 UFN Novorossysk, RUS 1454 RTTY 50/170 msg., maritime...(ED)
17141.6 USU Maripol, RUS 1501 RTTY 50/170 msg. maritime...(ED)
17148.3 NMG: USCG New Orleans 2000 FAX w/ wx chart w/ loadsa arrows and large explanatory panel on bottom left. (LC)

17151.2 NMC: San Francisco rdo CA US 1610. FAX 120/576 w/ wx chart nice strong signal (LVH)

17180 HWW: French Naval Paris France 1554 RTTY 75bd RY test tape. (LVH)
17181 LVA: Riga rdo, CIS 1115 RTTY 50/170 msg to ships in RR (EW)
17425.5 MFA Stockholm 0900 SWED-ARQ 100 wkg/embassy Rabat w/crime stats, political analysis til 0930 (ANEE)

17430 9VF209: Kyodo Press, Singapore 0934 FAX 60/576 Japanese text (EW)
17432 MFA BELGRADE (DFZG) 1410 RTTY 75/400 Encrypted tcf after "vcvcvc" and ltc. Then ry's and qtc list for 1430 broadcast (DW)
17438 MFA Bonn 0900 RS-ARQ 228.7 wkg/w. Europe til 1000 (ANEE)

17441.6 5YE: Nairobi Meteo, Kenya 0654 RTTY 100/576 wx information (EW)
17445.5 5YE: Nairobi Meteo, Kenya 1242 FAX 120/576 wx data (DG) 5YE: Nairobi Meteo, Kenya 0936 FAX 120/576 wx map (EW)

17450.5 EPG: unid 0935 VFT 3 ch FEC-A 192/170 w/Rys FOXES NIL on all channels (ML2)
17460 Russian Navy,?? 1311 36-50 50/250 tcf (MC)
17464.7 Egypt Embassy Delhi, India 1042 ARQ 5fgs to Cairo (EW)
17465 Unid SOUD station 1345 RTTY 100/500 msgd prefixed "11177 0099". (JD2)
17470 GYU: RN Gibraltar 0930 PICCOLO-6 testing w/foxes & figs (ML2)
17470 SOUD sta 0850 RTTY 75/500 w/5LGs link id 40078 (ML2)
17473.5 MFA Moscow 0900 CROWD36 40.1 tcf til 0930 (ANEE)
17497.5 4LX6: unid 1235 VFT 3ch FCE-A 192/170 /FOXES FIG COUNT RYs QTC then short crypto msg on ch 2 (ML2)
17590 HZN: Jeddah Meteo, Saudi Arabia 0657 RTTY 100/850 wx info (EW)
18005.7 Cairo Egypt 1444 ARQ Ministry of Foreign Affairs selcalling embassy Nairobi KXKT(MS)
18007.5 Unid: 1036 UNID 8 tone MFSK System, tone spacing 100Hz (MC)
18037.2 Japanese Emb Damascus SYR 0930 ARQ testing w/Rys foxes figs & ET(KV) Ry (ML2)
18042 Unid: 1106 PACTOR 200/200 UNID sub-mode (MC)
18055 DFZG: MFA BELGRADE 1433 RTTY 75/400 Encrypted tcf (DW)
18060 AXI36: Darwin Meteo, AUS 0848 FAX 120/576 wx map (EW)
18066.4 ICRC,??? 1048 PACTOR 200/200 Opchat in EE (MC)
18092 Brasilia Brazil Embassy of Poland 1458 POL-ARQ number groups to MFA Warsaw(MS)
18156.7 Egyptian Emb Kuala Lumpur MLA 1210 FEC w/ATU-80 msgd (ML2)
18180.6 UNID 0903 COQ/8 Appears end of qso w/ abbreviated FF "alors qru ar bc" (DW)
18220 JMH5: Tokyo Meteo, Japan 1017 FAX 120/576 wx map (EW) JMH5: Tokyo Meteo Japan 2215 FAX 120/576 w/ wx chart(LVH)
18235.3 Aid Organization, Zaire 1356 PACTOR 200/200 MSGs in FF (MC)
18237 BAF33: Beijing Meteo, China 0519 FAX 120/576 wx map (EW)
18238.1 ZRO4: PRETORIA MET 1514 FAX 120/576 End of surface analysis. LSB of 18240 (DW)
18247 SOUD sta 0930 RTTY 75/500 w/5LGs link id 10079 (ML2)
18261 GFE24: BRACKNELL MET 0921 FAX 120/288 Sea state charts. Weak copy due skip (DW)
SWISS EMBASSY ?LOC 1131 ARQ in irs mode. Then "no msg +?" and off air (DW) HBD20: MFA Berne 1230 ARQ over 30 mins of 5fg's (RH2)

Unid: 1320 ARQ Opchat in Portuguese (MC)

18278.5 HBD20: MFA Berne, Switzerland 1019 ARQ 5fgs (EW) HBD22: MFA Berne Switzerland 0300 ARQ 5lgs (MS4) (Swiss Embassy, New Delhi - LOGS)

18285 MAP RABAT 1210 RTTY 50/400 Press in FF then in EE (DW)

18295 CNM: MAP nx, Rabat 1322 RTTY 50/400 NX in EE (MC)

18325 8WA23: Indian Emb Beijing CHN 0900 RTTY 50/170 clg 8WD14 New Delhi w/ QRU (ML2)

18332 8WA23: Indian Emb Beijing CHN 0900 RTTY 50/170 clg 8WD14 New Delhi w/ QRU (ML2)

18343.1 MFA Lisbon 1223 ARQ 381 X 5lg's for Kinshasa Emb. NIL in wunlogs this year (RH2)

18363 P6Z: MFA Paris 0740 ARQ6-90 200/400 w/5Lgs to KHTM Khartoum (ML2)

18365.3 Unid: 1200 UNID 96/835 unable decode. nil in wunlogs this year (RH2)

18380.2 FN Brest 1328 ARQhE3 100/367 "FM cancel Brest to RFVIGN Garonne" info RFLVM Toulon (RH2)

18411.5 MFA Jakarta, Indonesia 1015 ARQhS/5 96/170 msgs to various embassies(EW) Indonesian MFA, Djakarta 1251 FEC-S 96/170 idle (MC)

18422.2 CLP22?: 1311 RTTY 75/517 Listed Cuban Emb. Hanoi. 2 sections of 5lg's (RH2)

18432 SOUD Station,??? 1325 RTTY 75/500 5LGs (MC)

18441.2 JMH5: Tokyo Meteo, Japan 1021 FAX 120/576 wx map (EW) JMJ5: Tokyo Meteo Japan 2200 FAX 120/576. w/ wx chart (LVH)

18458 CLP1 La Habana Cuba 1523 RTTY 46/ Ministry of Foreign Affairs circular de prensa no. 526 para todas las misiones(MS)

18461.5 PCW1: MFA Den Haag 1055 ARQ 5 fgs.(BVR)

18464 Unid: 0957 CROWD36 cannot decode (EW)

18487.9 MFA Oslo 0930 TWINPLEX 100 wkg/embassy Rabat, Dar Es Salaam? til 1030 (ANE)

18493.9 Unid: 1007 UNID 96/492 strong sigs. nil in wunlogs this year (RH2)

18527 MFA Paris 0930 ARQ6-90 200 wkg/unid embassy til 1100 w/51 tcf (ANE)

18529.3 Algerian Embassy, Hanoi 1146 COQUELETh8 13.3bd MSGs in FF to MFA Algiers (MC)

18594 Unid 1940 more scrambled comms. (MF2)

18597.3 Spanish Embassy, Kinshasa 1202 TWINPLEX 100/140 10LGs to MFA Madrid headed "embajada Kinshasa" Spanish Embassy, Luanda 1200 TWINPLEX 100/140 10LGs and MSGs in SS to MFA Madrid (MC)

18597.6 EAE220: MFA Madrid 1300 ARQ brief crypto starting "LU DECIMO" ending "GOLNAACL" (RH2)

18681 Russia Meteo, CIS? 0521 FAX 120/576 wx map (EW)

18760 P6Z: MFA Paris, F 1500 FEC-A 192/400 op chat, DE P6Z. (RB)

18841.1 UUUT: Ivan Burmistrov 1002 RTTY 50/170 crew tg's to Kerch (RH2)

18846.7 Egyptian MFA, Cairo 1116 ARQ ATU-80 MSGs to Kuala Lumpur

18941.5 MFA Algiers 101A COQUELETh8 13.3bd MSGs in Polish to SNN299 (MC)

18956.1 MFA Paris? 1252 UNID maybe ARQ6-90, unable decode, wunlogs say MFA Paris (RH2)

18966.7 RFHJ: FF Papeete, Tahiti 0350 ARQ-E3 96/425 idle (EW) RFHJ: FF Papeete 1900 ARQ-E3 96/400 Idle. (WT)

19028.7 7RZV20: Algerian Embassy, Moscow 0944 COQUELETh8 13.3bd MSGs in FF to MFA Algiers hdr "vc1 off moscou" (MC)

19031.7 MFA Islamabad 1030 TWINPLEX 100 wkg/Ghana til 1100 weak, QRN (ANE)

19110.9 Polish Embassy, Harare 1401 POL-ARQ 100/200 Claris MSGs in Polish to SNN299 (MC)

19140 Unid: 0809 CROWD36 cannot decode (EW)

19142.7 RFHJ: FF Papeete, Tahiti 0350 ARQ-E3 96/425 idle (EW) RFHJ: FF Papeete 1900 ARQ-E3 96/400 Idle. (WT)

19156.5 Unid: 1110 ARQ w/gps of 5 mixed ltrs & figs after WwWww, to/from fields blank,operator chat in FF & EE (ML2)

19181.7 Portuguese E, Kinshasa 1237 ARQ clg selcal "ZPPZ" then crypto. Portuguese MFA, Lisbon 1237 ARQ crypto after "///" to Embassy Kinshasa (MC)

19216.7 RFLLI: FF Fort de France,Mrt 1715 ARQ-E3 95/393 presumed. RFLLI: FF Fort
19218.8 Unid: 1030 RTTY 50/850 msg in unknown language. (EW)
19220 Unid: RTTY 50/850 Press service in unid language. All msg has "Bodogen" in the header. (North Korea MFA - LOGS) (MS4)
19226.4 Unid: Bonn 1030 RS-ARQ 228.7 wkd/Africa til 1430 (ANEE) Unid:1045 UNID 225/170 UNID Packet rdo System (MC) Packet rdo System (MC)
19354 SOUD sta 0900 RTTY 75/500 w/5LGs link id 80038 (ML2)
19363 USAF Roosevelt Roads (??) 1636 FAX (120/576) w/wx chart. (DW2)
19365.3 DOR: Bulgarian MFA, Sofia 0949 RTTY 150/500 Industrial NX in Bulgarian (MC)
19400 VVD69: Delhi Meteo, India 0707 RTTY 50/400 wx information (EW)
19502 V5G: Romanian Embassy, Lagos 0954 ROU-REC 166.4/5/400 MSGs in RR hdr "ambasada romaniei - lagos" (MC)
19635 P6Z: French MFA, Paris 1305 FEC-A 192/400 5LGs to many embassies (MC)
19685.5 WLO: Mobile rdo AL US 2152 ARQ w/3lg and callsign only CW mkrr(LVH)
19693 UGC: ST PETERSBURG rdo 1103 ARQ free idles w/CW Marker "UGC". (DW)
19699.1 UNF: Novorossissk R. 0952 ARQ football scores (RH2)
19707 UXR: Arkhangelsk rdo, CIS 1042 FEC msgs in RR w/3tg and callsign only "UGC". (DW)
19734.5 UGC: ST PETERSBURG rdo 1119 ARQ free idles w/CW Marker "UGC". (DW)
19747.5 6UV79: DAKAR MET 1442 RTTY 50/400 Met tfc. Then "fin diffusion afmet" to many embassies. Marker "cq de 6VU23/73/79" (DW)
19836.8 Unid: 1000 ARQ 100/700 idle in IRS mode (MC)
19858 NPN: APRA Harbour Meteo, Guam 1014 FAX 120/576 wx map (EW)
19860 MGJ: Navy Faslane, Scotland 0841 RTTY 75/850 02D 03B etc (EW)
19862 NPN: APRA Harbour Meteo, Guam 1019 FAX 120/576 wx map (EW)
20034.1 CLP: MFA Havana, Cuba 1050 RTTY 75/400 circulars in Spanish (MC)
2015 Unid: 1055 UNID 200/425 cannot decode (EW)
20302 NKW: Diego Garcia rdo, Diego Garcia 0517 FAX 120/576 wx map (EW)
20340.2 Unid: 0930 RTTY 75/517 5lg's + 64's, no id & not in wunlogs this year. CIS/CUB? (RH2)
20420.6 German/Italian/TurkDiplo 1242 RS-ARQ 228.5/170 tfc (MC)
20470 Unid: 0957 UNID 200/425 cannot decode (EW)
20556.5 RFGW: MFA Paris, F 1226 FEC-A 192/425 5fgs and idle (EW)
20556.6 P6Z: MFA Paris 1214 FEChA 192/400 diplo tfc (DG)
20600.2 MKK: RAF London 1230 RTTY 75/852 crypto (RH2)
20724.2 CTV: Portuguese Navy, Monsanto 1419 RTTY 50/400 "the quick brown fox... ry line count (EW)
20837.3 Unid: 1246 RTTY 75/869 perfect tune to RTTY. Gbge on screen (RH2)
20854.7 MFA Havana or Cuban Embassy 1533 RTTY 75/209 "396/embacuba 199 gers/ minrex 202 e inmediata" followed by 5FGs, ended w/"#fin del cable" (PB)
22377.5 KFS: Palo Alto rdo CA US 2149 ARQ w/3lde and C/S only CW mkrr(LVH)
22382.5 KPH: San Francisco rdo CA US 2148 ARQ w/3lde and C/S only CW mkrr(LVH)
22383.5 WLO: Mobile rdo AL US 2147 ARQ w/3lde and callsign only CW mkrr(LVH)
22389.5 MFA: USCG Honolulu HI US 2146 ARQ w/3lde and C/S only CW mkrr(LVH)
22395 KPH: San Francisco rdo CA US 2144 ARQ w/3lde and C/S only CW mkrr(LVH)
22403 WLO: Mobile rdo AL US 2141 ARQ w/3lde and callsign only CW mkrr(LVH)
22412 WLO: Mobile rdo AL US 2139 ARQ w/3lde and callsign only markr(LVH)
22447 FUV: FN Jibuti 1206 RTTY 75/850 "vvv de FUV" (PB)
22461 FUJ: French Naval Noumea New Caledonia 2141 RTTY 75bd RY test tape(LVH)
22467 FUJ: French Naval Noumea New Caledonia 2141 RTTY 75bd RY line count (EW)
22537 FUF: FN Fort de France 1645 RTTY 75/850 RY line count. MV Fuits. (RT2)
22542 JIC: Tokyo rdo, Japan 0634 FAX 120/576 Japanese text (EW)
22544 FUM: French Naval Papeete Tahiti 2125 RTTY 75bd RY test tape (LVH)
22544.8 Unid: 0635 UNID 100/850 encrypted text (EW)
23202 NATO Mil,??? 1422 Link-11 tfc (MC)
23370 HZNS0: Jeddah Meteo 1420 RTTY 100/850 wx tfc (DG)
23522.9 JMH6: Tokyo Meteo, Japan 0528 FAX 120/576 wx map (EW)

=MARITIME=

FFB: BOULOGNE RADIO 1922 CW Gale warning in FF. (DW)
LGL: Floroe Radio 1814 USB nav wrng no tfc for foreign ships and nav msgs (BVr)
MPBF4: Grampian Orcades 1820 USB clg Stonehaven radio. MV Fuiter 1702 UWB clg mv Alfonso Slechter no reply. 9HY04: Unid 1743 USB clg Farsund radio. GND: Stonehaven radio 1809 USB ww mv Shetland Service qsy chnl
WUNhv02

4294  WNU31: Slidell Radio LA US CW CQ marker 0806 (LVH)
4298  PPO: Olinda Radio Brazil 0807 CW V marker (LVH)
4300.5 KEJ: Globe Wireless, Hawaii 1049 CW cq marker (EW)
4303  OXZ2: LYNGBY RADIO 2300 CW Marker "cq de OX22/OXZ4 ans 4 8 12 mhz etc": 9HW4 JBGF2LYVH UMVC = pse ans 4185.4/8369.6/12553.1 = (DW)
4305.5 JNA: JMSA Japan 0810 CW marker(LVH) (JMSA - Japanese Maritime Safety Agency - LOGS)
4310  wnu41: Slidell Radio LA US 0812CW CQ marker (LVH)
4314  Unid 1714 CW mgs to m/k Kavarna. (BvR)
4318  VIT: Townsville Radio Queensland Australia 0814 CW CQ marker (LVH)
4328  JOS: Nagasasi Radio, Japan 1055 CW marker (EW) FFL2: St. Lys Radio France 0818 CW CQ marker. JOS: Nagasasi Radio Japan 1350 CW msg to AMCV followed by cq marker (LVH)
4331  WCC: Chatham Radio MA US 0819 CW V marker (LVH)
4343  WLO: Mobile Radio AL US 0822 tfc to unid ship (LVH)
4348.5 KLB: Seattle Radio WA US 1354 CW CQ marker(LVH)
4369  WLC: Rogers City, MI USA 1619 USB wkg ships Presque Ille, Cason J. Calloway, Edgar B. Spear, and Roger Blough. Gave posn reports w/ETA's and load info. The Presque Ille was on Lake Erie. Calloway was loading at Lorain, Ohio. Roger Blough was at Lansing Shoal. WLC: Rogers City MI, USA 2015 USB wkg lakers Cason J. Calloway (WE4879) Edgar B. Spear (WQ29670) Arthur M. Anderson (WE4805) and others w/locations, ETA's etc. (SF)
4387  WOO: 0200 USB re tfc list & ann re ship "direct dial" availability (sta/channel): WOM:423/805/1230/1609, WOO: 422/826/1228/1631, KMI:470/814/1229/1616. WOO, 0003 USB tfc list, also ann re direct dial access by ships. (KW2)
4402  KMI: Pt. Reyes Calif. 1215 USB automated wx broadcast incl. west Coast storm warnings (BDS)
4417  Various boats w/ informal discussions 1140 USB including: Raven, Coastin Jane, Heartbeat, Maoria. (KW2)
4426  SVN24: Athinai Radio telling C6KQ6 to stand by one minute (MB3)
4445  Kerikeri radio NZ 0715 USB wkg several vsls. (AW)
4646  Unid 0225 USB: fisherman net, they said that they were in the bay... they're also out of band!!! (AM3)
6236  Unid maritime w/two no id stas 0020 USB two radio officers discussing continuing education requirements. (KW2)
6289.5 EUC: TKH VOLGO-BALT 112 0746 CW admin from Km Kireyev to UCW4. UTPJ: TKH OMSKIY 134 0825 CW msg (in Eng) for eta Stettin to UCW4. EMFG: TKH LADOGA II 0828 CW admin from Km Gorchkov to UCW4. (HODD)
6289  ULD: TKH ICHIM 0740 CW admin from Km Stepanchenko to UHP5.
6335.5 VVF: CCG Iqualuelt 1805 CW ice bulletin. (BvR)
6337  CBV: Valpariso Radio Chile 0451 CW w/ V marker (LVH)
6344  SVB3: Athens Radio Greece 2241 CW w/ DE marker (LVH)
6344  PPJ: Juncao Radio Brazil 2242 CW w/ V marker (LVH)
6376  WCC: Chatham Radio MA US 2247 CW marker (LVH)
6380  UCW4: ST PETERSBURG RADIO 1002 CW msqs to UBEF: TKH SIBIRSKIY 2131 and UKLU: TKH SORMOSKIY 3055 (This is North Western Shipping Company tfc). (HODD)
6382  EAD2: Madrid Radio Spain 0437 CW w/ DE marker (LVH)
6389.7 wnu42: Slidell Radio LA US 2256 CW w/ CQ marker (LVH)
6410.7 KLB: Seattle Radio WA US 2259 CW w/ CQ marker(LVH)
6412  9VG: Singapore radio 1915 CW de 9Vg.(BvR) 9VG55: Singapore Radio, Singapore 1036 CW marker (EW) 9VG: Singapore Radio Singapore 1214 CW w/ V marker Very weak in heavy QRM. (LVH) 9VGG: SINGAPORE RADIO 2115 CW Marker "cq de 9Vg55/6412 khz qsx 6 mhz ch 1 3 4 5 7 qsx 6 mhz 1 3 4 5 7 10" (Dw)
6415  7TF4: BOUFARIK RADIO 2326 CW Marker "cq de 7TF4 qsx 6 mhz 6276/6276,5/6278/6278,5 khz tks k" (Dw)
6416  WLO: Mobile Radio AL US 1211 CW w/ DE marker (LVH)
6421.5 FFL3: ST LYS RADIO 2120 CW Marker "cq de FFL3/FFL4/FFL6 qsx 6 8 12 mhz channel 3 and 4 k": - 130hz low (DW) FFL: St. Lys Radio France 2300 CW w/ CQ marker (LVH)
6425  ST PETERSBURG RADIO (UGC) 1030 CW Marker "de UGC qsx 6/8/12/16 k"
6426.2 LYK: Klaipeda Radio Lithuania 2302 CW w/ CQ marker (LVH)
6444.5 SVD3: Athens Radio Greece 2303 CW w/ DE marker (LVH)
6446.5 WLO: Mobile Radio AL US 2305 CW w/ DE marker (LVH)
6457  SAA: Karisikona Radio Sweden 0445 CW w/ CQ marker (LVH)

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6457.5 JOR: Nagasaki Radio Japan 2311 CW w/CQ marker w/QRM from unid SS males talking. (LHV)
6465.5 ROD9: MURMANSK RADIO 0807 CW msgs to UAIR: NIS AKADEMIK SHATSKIY (ex UPME, a research vsl of the SEVMORNEFTEGEOFIZIKA fleet). (HOOD)
6477.5 KPH: San Francisco Radio CA US 1200 CW w/CQ marker (LHV)
6482 CLA: Havana Radio Cuba 2319 CW w/ CQ marker (LHV)
6484.5 WSC: Tuckerton Radio NJ US 1158 CW w/CQ marker (LHV)
6493 VAI: Vancouver Radio, CA 1035 CW marker (EW) VAI: CCG Vancouver BC Canada 2323 CW w/CQ marker (LHV)
6501 NRV: USCG Apra Harbor, Guam 1533 USB wx bcst. NOJ: USCG Kodiak, Ak 0222 USB marine wx. (AB2) USCG Mariana Section Communications(exact ID) 0955 USB wx & tide info to the area. Full ID at 1000. (AW)
6507 UIK: Vladivostok radio 1007 USB p/p to unid vsl in RR. (AW)
6513 Unid Russian stn 1005 USB presumed Kholmsk radio. p/p in RR. (AW)
7862.7 SPW: Warsaw Radio 0005 CW qsx 8400 (AM3)
8176 VIS: Sydney Radio 0715 USB w/wx information for Bass Strait area. (DW2)
8195 Unid: 1355 USB CH 801 qso fishing net ?? (RT2)
8199 KDDW: M/V Stonewall Jackson 2212 USB quick R/C w/WOM (JP) C6NW6: M/V Matt Spica 1726 USB 13,945 DWT dry cargo vsl clg/wkg WOM for R/T tfc. (RB)
8207 HCHN: Isabella II 0340 USB concluding R/T tfc w/WOM. (RB)
8240 GACH: HMS Lancaster 2229 USB wkg Portishead. (IB)
8246 PAPA: unid USN 0505 USB wkg 04V and C4H. PAPA instructed both to go to FOXTROT TANGO channel. (DW2)
8267 Destiny (c/s??) 1300 USB clg WOM. (IB) C6KP: T/SS Island Breeze 2320 USB 38,175 DWT cruise ship, clg/wkg WOM. This is the former Festival. 3EWK9: M/S Fascination 2359 USB Carnival Cruise Lines 70,000 GWT cruise ship concluding R/T tfc w/WOM. (RB)
8279 P3QM6: SARATOV CITY 1505 USB pp to Russia via OHG. (HOOD)
8297 Unid: 1350 USB American Eagle, Pride&Patriot morning fuel/lube rpts location some were around Morgan City sea buoy seas 5 to 7 ft wind nne 25 knots all is well new hand fine. (RT2)
8345 UZYT: TKH SLAVUTICH 2 0738 CW admin (leaving Burgas) to UWS3. (HOOD)
8350 HZKE: MV AHMED ARAB 0917 CW msg in Eng for eta Port Said via SUH. (HOOD)
8366.5 P3HK3: M/V Maiorca 2244 CW (no info) clg unid coastal sta, no joy. (RB)
8369 BEQ3: Qing Chuan 3 1312 CW clg JOS. (AB2)
8375 UANP: TKH LADOGA 17 0956 CW admin from Km Ivanov to UCW4. (HOOD)
8378 9HSS03: Orjen 1313 CW clg KFS. (AB2)
8396 P3QK2: M/V Fivvi 0440 USB 33,651 DWT bulk carrier, w/load report to SeaVenture, ETA Montevideo (Uruguay). P3LR5: M/V Mentor 0502 USB 22,247 DWT bulk carrier, w/posn report, login 29282 MENTOR. (RB)
8444.5 KFS: Palo Alto Radio, USA 1018 CW clg marker (EW) KFS: Palo Alto Radio US 1142 CW w/CQ marker (LHV)
8445 XSX: Keelung Radio, Taiwan 1027 CW marker (EW)
8445.5 WLO: Mobile Radio AL US 1141 CW w/DE marker (LHV)
8446 UFVM3: Nevelsk Radio, CIS 1001 CW marker (EW)
8448 A9M: Bahrain Radio, UAE 2033 CW marker (EW) A9M: Hamala Radio Bahrain 0250 CW w/CQ marker (LHV)
8449.6 CLA: Havana Radio 1229 CW w/cq mkr. (DW2)
8452 VIT: Townsville Radio, AUS. 0533 CW marker (EW)
8453 VAI: Vancouver Radio, CA 1033 CW marker (EW) VAI: CCG Vancouver BC Canada 1139 CW w/CQ marker.
8457 OFJ: Helsinki Radio Finland 0230 CW hrd call but nothing else in very weak signal. Heavy QRM from SS male in USB on frequency. (LHV)
8459 YQ14: Constanta Radio 1915 CW w/tfc list (PB)
8460 LZW4: Varna Radio 1905 CW “de LZW tfc list and blind as” (PB)
8460.5 PPL: Belem Radio Brazil 0228 CW w/V marker (LHV)
8461 ZSC: Cape Town Radio South Africa 0229 CW w/CQ marker (LHV)
8473 HLG: Seoul Radio South Korea 1131 CW w/CQ marker (LHV)
8473.5 SEOUL RADIO (HLG) 0801-04 CW Vri shaky hand, sounds like "4RG". Marker "cq de HLG qsx 6/8/12 mhz" occasionally by hand (DW) A7D: Doha Radio Qatar 0224 CW w/DE marker (LHV)
8476 9VG56: Singapore Radio, Singapore 1043 CW marker (EW)
8481 VIS: Sydney Radio, AUS. 0923 CW marker (EW)
8484 HLF: Seoul Radio 1231 CW w/cq mkr. (DW2) HLF: Seoul Radio South Korea
8482.5 HZG: Damman Radio Saudi Arabia 0219 CW w/ DE marker (LVH)
8491 PP: Rio de Janeiro Radio Brazil 0218 CW w/ V marker (LVH)
8496 CLA: Havana Radio Cuba 0215 CW w/CQ marker (LVH)
8500.5 Buchan 1245 USB wkg various stas on 401E. (PJ2)
8502 PPL: Belem, Brazil 0317 CW V, DE PPL, mkr. (AB2) PPL: Belem Radio Brazil
8511 XSW: T’al-Chung Radio 1220 CW w/cq mkr. (DW2)
8514 XSQ: Guangzhou Radio 1218 CW w/cq mkr. (DW2) WLO: Mobile Radio AL US 0211 w/ ship tfc list (DV)
8515 SAT: Tripoli Radio Libya 0210 CW w/ V marker (LVH)
8520.1 PPO: Olinda Radio Brazil 0208 CW w/ V marker (LVH)
8521 VIP: Perth Radio Australia 0208 CW w/ V marker (LVH) VIP: PERTH RADIO
8522.5 FFL44: St. Lys Radio France 0206 CW w/ CQ marker (LVH)
8525 WNU33: Slidell Radio LA US 0205 CW w/ CQ marker (LVH)
8532 LZW42: Varna Radio Bulgaria 0202 CW w/ DE marker (LVH)
8534 WLO: Mobile Radio AL US 0200 CW w/ DE marker (LVH) WLO: Mobile, Al 2150 CW 18 wpm qsx 4 6 8 12 16 22 MHz de WLO obs, amvers. (RT2)
8557 SPE: Szczecin Radio Poland 0158 CW w/ DE marker (LVH)
8558.4 KFS: Palo Alto Radio, USA 1020 CW marker (EW) KFS: Palo Alto Radio CA US 0157 CW w/ CQ marker (LVH)
8562 D3E51: Luanda Radio Angola 0145 CW w/ DE marker in heavy RTTY QRM (LVH)
8568.5 XFM: Manzanillo Radio Mexico 0140 CW w/ CQ marker (LVH)
8566 WLO: Mobile Radio AL US 0139 CW w/ CQ marker (LVH) WNU43: Slidell 2125 CW 26 WPM WNU43 WNU43 qsx 4 6 8 12 16 22... (RT2)
8572 CLA: Havana Radio 1213 CW w/cq mkr. (DW2) CLA: Havana Radio Cuba 0137 CW w/ CQ marker. Heavy key clicks noted. (LVH) CLA: Habana, Cuba 2115 CW 18 wpm cq cq de CLA tx 8573 12552 16736. (RT2)
8573.5 LYL: Klaipeda Radio Lithuania 0152 CW w/ CQ marker (LVH)
8574 LGB: Rogaland Radio, Norway 0910 CW marker (EW)
8582.5 KLB: Seattle Radio WA US 0133 CW w/ CQ marker (LVH)
8575 WCC: Chatham Radio MA US 0132 CW w/ V marker (LVH)
8589 HPP: Panama Radio Panama 0131 CW w/ V/CQ marker then into ship msg tfc (LVH)
8598 OXZ41: Lyngby Radio 1206 CW w/cq mkr. (DW2) OXZ41: Lyngby Radio Denmark 0128 CW w/ CQ marker (LVH)
8602 CWA: Cerrito Radio Uruguay 0126 CW w/ CQ marker (LVH)
8609.5 9VG73: Singapore Radio 1201 CW w/ch mkr. (DW2) 9VG73: Singapore Radio, Singapore 1039 CW marker (EW)
8611.5 TAH: Istanbul Radio 1200 CW w/cq mkr. (DW2)
8618 KPH: San Francisco Radio CA US 0122 CW w/ V marker (LVH)
8624 XSQ: Guangzhou Radio 1158 CW w/cq mkr. (DW2)
8630 WCC: Chatham Radio MA US 0119 CW w/ V marker (LVH) WCC: Chatham R Mass 0110 CW 21 WPM qsx4 6 8 12 16 16 de wcc. (RT2)
8634 PPR: Rio de Janeiro Radio Brazil 0116 CW w/ V marker QRM from weak ARQ idler. (LVH)
8642 KPH: San Francisco Radio CA US 0114 CW w/ V marker (LVH)
8646 LPD36: General Pacheco Radio Argentina 0109 CW. w/ V marker.
8651 XSQ: Guangzhou Radio 1144 CW w/cq mkr (DW2) XSQ: Guangzhou Radio China 1159 CW w/ CQ marker (LVH)
8663 HMM: Pyongyang Radio North Korea 0104 CW w/ CQ marker(LVH)
8664 TAH: Istanbul Radio 1143 CW w/cq mkr. (DW2)
8665 XSG: Shanghai Radio, China 0855 CW marker (EW)
8670 IAR: Rome Radio Italy 0059 CW w/ V marker (LVH)
8680 WSC: Tuckerton Radio NJ US 1407 CW w/ CQ marker (LVH)
8682 EAD3: Madrid Radio Spain 0054 CW w/ DE marker(LVH)
8685 IRM: CIRM Rome Italy 0052 CW w/ V marker (LVH)
8687 SVA: Athens Greece 0102 CW w/ ship msg tfc(LVH)
8687.5 ST PETERSBURG RADIO (UGC) 1020 CW Marker "de UGC qsx 6/8/12/16 k" (DW)
8688.5 9VG36: Singapore Radio, Singapore 1041 CW marker (EW) 9VG: Singapore Radio Singapore 1153 CW w/ tfc to unid ship weak. (LVH)
8688.5 ZSC: Cape Town Radio 0201 CW w/CQ mkr. (DW2) ZSC: Cape Town Radio South
Africa 0050 CW w/ DE marker (LVH)

8692.5 SVD4: Athens Radio Greece 0043 CW w/ DE marker (LVH)
8694 XSZ: Dalian Radio China 1403 CW w/ QSO marker (LVH)
8700 9AR: Rijeka Radio Croatia 2340 CW w/ V marker (LVH) 9AR: Rijeka Radio 1137 CW w/ch mkr. (DW)
8704 SVB4: Athens Radio Greece 2335 CW w/ DE marker (LVH)
8705.4 PKC: Palembang Radio Indonesia 1148 CW w/ QSO marker (LVH)
8706 JOS: Nagasaki Radio Japan 2333 CW w/ high speed QSO marker weak. (LVH)
8743 HSA: Bangkok Radio, Thailand 1230 USB gives EE wx information at 1235 (EW)
8764 8PO: Barbados Radio 2056 USB requesting all shipping in the vicinity of Barbados keep a look out for a missing surfer. (SF)

12438 UKOR: TKH ZNAMYA OKTVABRYA 0842 CW to UJE for "RADIO N NOVGOROD". (HOOD)
12454 U3VL: TKH PROFESSOR VOISKIY 0812 CW admin to "RADIO N NOVGOROD" via RFA. (HOOD)
12459 UAZB: MIKHAIL BORONIN 1055 CW admin from Km Khilchenko to UDK2 (replying on 13050). (HOOD)

12555 4JDR: TKH UZEIR HAJYBEYOV 0805 CW msg in Eng for Istanbul agents from Km Bakirov via UON (vsl bound for Mariupol). (HOOD)
12639.5 OST: Oostende, R Belgium 1540 CW marker (RT2)
12659.5 9VG37: Singapore Radio, Singapore 1044 CW marker (EW)
12660 WLO: Mobile Radio AL US 2102 CW w/ DE marker (LVH) WLO: MOBILE RADIO 1932 CW Marker "de WLO obs? amvers? qso 4 6 8 12 16 22 mhz qso ch 5/6 k" (or "ch 3/4 k") (DW)
12662 7TF8: Boufarik Radio, Algiers 1044 CW marker (7TF8: Boufarik Radio Algeria 2059 CW w/ CQ marker (LVH)
12672.5 CLA: Havana Radio, Cuba 1725 CW w/ CW call tape. (SF)
12676 HMZ: Pyongyang Radio 1602 CW marker (LVH)
12678 9MG3: Penang Radio, Malaysia 0914 CW marker (EW)
12682.8 PKE: Amboina Radio, Indonesia 0856 CW marker (EW)
12689 PPL: Belem Radio Brazil 2044 CW w/ V marker very weak. (LVH)
12699.5 PPJ: Juncao Radio Brazil 2032 CW w/ V marker very weak. (LVH)
12693 ST PETERSBURG RADIO (UGC) 1022 CW Marker "de UGC qso 6/8/12/16 k" (DW)
12695.5 KFS: Palo Alto Radio, USA 1050 CW marker (EW) KFS: Palo Alto Radio CA US 2040 CW w/ CQ marker (LVH) KFS: Palo Alto R Calif 1625 CW qso 4 6 8 12 16 22 mhz. (RT2)
12698 ZSC: Cape Town Radio South Africa 2039 CW w/ CQ marker (LVH)
12699 HPP: Panama Radio Panama 2038 CW w/ V/CQ marker (LVH)
12700 XSQ: Guangzhou Radio, China 1052 CW marker (EW)
12704.5 WLO: Mobile Radio AL US 2035 CW w/ DE marker (LVH)
12707 9VG34: Singapore Radio, Singapore 1044 CW marker (EW)
12709 A9M: Bahrain Radio, UAE 1058 CW marker (EW)
12712 HLW: Seoul Radio, South Korea 0928 CW marker (EW)
12724 9VG37: Singapore Radio, Singapore 1047 CW marker (EW) ZSC: Cape Town Radio South Africa 2032 CW w/ CQ marker (LVH)
12733.5 9VG20: Singapore Radio, Singapore 1042 CW marker (EW)
12771 UHP5: ST PETERSBURG RADIO 1208 CW admin to UBBH: TKH OB for Km Maralov (vsl is ex ERYD, OMSKIY 112). Same 1210 CW admin to UVDI: TKH IGARKA for Km Plotkin abt eta for Ijmuiden pilot. (UHP5 carries tcf for ENNEK SHIPPING CO of St Petersburg). (HOOD)
12780 D3E61: Luanda Radio Angola 2025 CW w/ CQ marker (LVH)
12799.5 PCH51: Scheveningen Radio Netherlands 1626 CW w/ DE marker (LVH)
12808.5 KPH: San Francisco Radio CA US 1625 CW w/ V marker (LVH)
12829.5 XFM: Manzanillo Radio Mexico 1621 CW w/ CQ marker (LVH)
12830 RKLM: ARKHANGELSK RADIO 1302 CW tcf list and freqs 4343/6371.5/8580/12830, then into RTTY 50/170 for UFBY: IUZAS ALEKSONIS. (HOOD)
12835.4 GKB: Portishead Radio, UK 1029 CW marker (EW)
12844.5 KFS: Palo Alto Radio, USA 1022 CW marker (EW) KFS: Palo Alto Radio CA US 1620 CW w/ CQ marker (LVH)
12844 WCC: Chatham Radio, USA 1027 CW marker (EW)
12856 XSG: Shanghai Radio, China 0857 CW marker (EW)
12864 XSW: Kaohshiung Radio, Taiwan 1153 CW marker (EW)
12869 WNU55: Slidell Radio LA US 1617 CW w/ CQ marker (LVH)
12871.5 XSG: Shanghai Radio, China 0853 CW marker (EW)
12876 VAI: Canadian Coast Guard Radio, Vancouver, B.C. Can 1741 CW w/CW call tape and msg for Crusade Venture - VRNJ. (SF) VAI: CCG Vancouver BC
Canada 1613 CW w/CQ marker (LVH)
12879.5 WLO: Tuckerton Radio NJ US 1612 CW w/ CQ marker (LVH)
12886.5 WLO: MOBILE RADIO 1708 CW t/fc lists and wx (DW) WLO: Mobile Radio
AL US 1610 CW w/ current t/fc list (LVH)
12887 EAD44: MADRID RADIO 0813 CW wkg 5HVN4 who told up to 340 then eventually given "qsa nil qr x ltr". Marker "de EAD3/EAD44 qxs 6 8 and 12 mhz cg ar k" (DW)
12906 DJJ: Bulacan Radio, Philipines 1151 CW marker (EW)
12910 UAT: Moscow Radio, CIS 1150 CW marker (EW)
12912.6 FF6L: St. Lys Radio France 1608 CW w/CQ marker (LVH)
12917 KLB: Seattle Radio WA US 1607 CW w/ CQ marker (LVH)
12923 HLW2: Seoul Radio, South Korea 0931 CW marker (EW) HLW2: Seoul radio South Korea 1606 CW w/ CQ marker (LVH)
12925.5 WCC: CHATHAM RADIO 1526 CW Marker "vvv cq de KPH/WCC gm qsx mf and 4 6 12 16 mhz qru? k" (DW) WCC: Chatham Radio, USA 1147 CW marker (EW)
12935 HLG: Seoul Radio, South Korea 0931 CW marker (EW)
12942 JNA: Tokyo Radio, Japan 1145 CW marker (EW)
12948 DYV: Iloilo Radio, Philippines 1144 CW marker (EW)
12952.5 VIP: Perth Radio, AUS. 0532 CW marker (EW)
12969 XSV: Tianjin Radio, China 1140 CW marker (EW)
12970.5 PXX: Jakarta Radio 1113 CW Q call. (AI) PXX: Jakarta Radio 1113 CW Q call. (AI)
12979.5 PPL: Belem Radio Brazil 1559 CW w/ V marker (LVH)
13002 KPH: San Francisco Radio CA US 1556 CW w/V marker (LVH)
13008 JOR: Nagasaki Radio, Japan 0523 CW marker (EW)
13011 IAR: Rome Radio Italy 1554 CW w/ V marker (LVH)
13015.5 IAR: Rome Radio Italy 1552 CW w/ V marker (LVH)
13020.4 VRX60 Hong Kong Radio, HK 0540 CW marker (EW)
13022 SPE63: Szczecin Radio, Poland 1136 CW marker (EW) SPE63: Szczecin Radio Poland 1551 CW w/ DE marker (LVH)
13024.9 WLO: Mobile Radio AL US 1547 CW w/ DE marker (LVH)
13029 SVB5: Athens Radio Greece 1547 CW w/ DE marker (LVH)
13033.5 WCC: Chatham Radio, USA 1011 CW marker (EW) WCC: Chatham Radio MA US 1544 CW w/ V marker (LVH)
13042.5 XVS: Ho Chi Minh Radio 1302 CW CQ call. (AI) XVS: Ho Chi Minh Radio 1302 CW CQ call. (AI)
13044 VRX: Hong Kong Radio 1304 CW CQ call. (AI) VRX61: Hong Kong Radio, HK 1014 CW marker (EW)
13077 EHY: Madrid Radio 1406 USB w/t/fc list (MB3) EHY: Madrid Radio 1406 USB w/t/fc list (MB3)
13089 NWL: Chesapeake 1730 USB w/ CQ marker (LVH)
13092 WOM: Miami High Seas Radio 1258 USB t/fc list, wx. (BvR) WOM: AT&T sta 1900 USB w/ t/fc list //17242// (DW2)
16866.5 Unid 1947 CW sta very weak and it is a chirpy signal. (LVH)
16911.2 JNA: Tokyo Radio, Japan 0815 CW marker (EW) (JMSA, Japanese Maritime Safety Agency, Tokyo, J - LOGS)
16914.5 CBV: Valparaiso Radio Chile 1937 CW w/ V marker (LVH)
16916.5 XSG: Shanghai Radio China 0816 CW marker (EW) WSC: Tuckerton NJ US 1936 CW w/ CQ marker (LVH)
16918 PPJ: Juncao Radio Brazil 1935 CW w/ V marker (LVH)
16930 7TF10: Boufarik Radio Algeria 1932 CW w/ CQ marker (LVH)
16933.2 JOS: Nagasaki Radio, Japan 0822 CW marker (EW) WCC: Chatham Radio MA US 1930 CW w/ V marker (LVH)
16935 A7D: Doha Radio, Qatar 0823 CW marker (EW)
16940 XSW: Kaohsiung Radio, Taiwan 0827 CW marker (EW)
16945 XVG7: Haiphong Radio, Vietnam 1001 CW marker (EW)
16956 XSV: Ho Chi Minh Ville Radio, Vietnam 0839 CW marker (EW)
16966 SVI6: Athens Radio, Greece 0911 CW marker (EW) SVB: Athens Radio Greece 1725 CW w/ DE marker (LVH)
16969 WLO: Mobile Radio AL US 1723 CW w/ DE marker (LVH)
16972 WCC: Chatham Radio MA US 1710 CW w/wx broadcast for the North Atlantic (LVH)
16974 SPE81: Szczecin Radio, Poland 0913 CW marker (EW)

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16980 UNQ: Novorossiysk Radio, CIS 0915 CW marker (EW)
16981.5 SVG6: Athens Radio, Greece 0842 CW marker (EW) SVG6: Athens Radio
Greece 1705 CW. w/ DE marker (LVH)
16984 PPR: Rio de Janeiro Radio Brazil 1704 CW w/ CQ marker. (LVH)
16987 VRX81: Hong Kong Radio, HK 0843 CW marker (EW) VRX: Victoria Harbor
Radio Hong Kong 2333 CW w/ CQ marker(LVH)
16990 HLO: Seoul Radio, South Korea 0844 CW marker (EW)
17000 CLA: Havana Radio Cuba 1700. CW w/ CQ marker (EW)
17002.4 XSG: Shanghai Radio, China 0935 CW marker (EW)
17007.7 KLB: Seattle Radio WA US 1656 CW w/ CQ marker (LVH)
17008.5 TAH: Istanbul Radio, Turkey 0937 CW marker (EW)
17008.5 VRX: Victoria Harbor Radio Hong Kong 2333 CW w/ CQ marker(LVH)
17011 XSX: Keelung Radio, Taiwan 0845 CW marker (EW)
17015 UTQ?: Kiev Radio, CIS 1042 CW marker (EW)
17016.5 XSG: Shanghai Radio, China 0935 CW marker (EW)
17022.5 MOBILE RADIO (WLO) 1705 CW tfc lists and info (DW)
17026 KFS: Palo Alto Radio CA US 1652 CW w/ship tfc list (LVH)
17027 FFL8: St Lys Radio, F 0901 CW marker (EW) FFL8: St. Lys Radio France
1648 CW w/ ship msg tfc then CQ marker (LVH)
17035 WCC: Chatham Radio MA US 1647 CW w/ CQ marker (LVH)
17037 YQI6: Constanta Radio, ROU 0903 CW marker (EW) YQI6: Constanta Radio
Romania 1643 CW w/ ship msg tfc(LVH)
17038 HLO: Seoul Radio, South Korea 0912 CW marker (EW)
17045.6 LPD46: General Pacheco Radio, ARG 1047 CW marker, first sta
from Argentina for me. (EW) LPD46: General Pacheco Radio Argentina 2229
CW w/ V marker(LVH)
17053 XSX: Keelung Radio, Taiwan 1031 CW marker (EW)
17064.8 EAD: Madrid Radio Spain 1635 CW w/ DE marker (LVH)
17068.4 OX2: Lyngby Radio Denmark 1605 CW w/ ship msg tfc real weak.(LVH)
17074.4 LGW: Rogaland Radio Norway 1632 CW w/ CQ marker (LVH)
17077 ESA: Tallin Radio, Estonia 1001 CW marker (EW)
17079.2 HLF: Seoul Radio, South Korea 0912 CW marker (EW)
17088.8 KPH: San Francisco Radio CA US 2224 CW w/ V marker (LVH)
17091 GXSQ: Gangzha Radio, China 0914 CW marker (EW)
17094.8 SVA: Athens Radio, Greece 0915 CW marker (EW)
17096 VRX: Hong Kong Radio, HK 1003 CW marker (EW)
17103.2 XSG: Shanghai Radio, China 0915 CW marker (EW)
17105 IRM9: INT Medical Radio Rome, I 0917 CW marker (EW) IRM: CIRM Rome
Radio Italy 1627 CW w/ V marker (LVH)
17113 GKB: Portishead Radio, UK 0918 CW marker (EW) GKB6: Portishead Radio
UK 1625 CW w/ DE marker (LVH)
17115 UGC: St Petersburg Radio, CIS 1005 CW marker (EW) UGC: ST PETERSBURG
RADIO 1027 CW Marker "de UGC qsx 6/8/12/16 k" (DW)
17117.6 WNU: Slidell Radio LA US 1623 CW w/ CQ marker (LVH)
17130 HLW: Seoul Radio, South Korea 0655 CW marker (EW)
17141 UFN: Novorossiysk Radio, CIS 1101 CW marker (EW)
17141.6 USU: Mariupol Radio, CIS 1010 CW marker (EW)
17145 LZW: Varna Radio, Bulgaria 1102 CW marker (EW)
17146 CLA: Havana Radio Cuba 1618 CW w/ CQ marker (EW)
17147 URL: Sevastopol Radio, CIS 1012 CW marker (EW)
17160.8 IRA: Rome Radio Italy 1610 CW w/ tfc list (LVH)
17161.3 VIP: Perth Radio, AUS 0649 CW marker (EW)
17162 PPO: Olinda radio Brazil 1608 CW w/ V marker (LVH)
17164.8 ZSC7: Cape Town Radio, SA 1015 CW marker (EW) ZSC: Cape Town Radio
South Africa 1606 CW w/CQ marker (LVH)
17165.6 CLA: Havana Radio Cuba 1605 CW w/CQ marker (LVH)
17169 A9M: Bahrain Radio, UAE 0922 CW marker (EW)
17170.4 PJC: Williamsted Radio Curacao Netherlands Antilles 1558 CW w/ V
mkr (LVH)
17172.4 9MG11: Penang Radio, Malaysia 0925 CW marker (EW)
17173.5 WLO: Mobile Radio AL US 2222 CW wkg a ship in w/ msg tfc(LVH)
17175.1 A9M: Bahrain Radio, UAE 0927 CW marker (EW)
17175.2 VAI: CCG Vancouver BC Canada 1556 CW w/ DE marker (LVH)
17181 XVS: Ho Chi Minh Ville Radio, Vietnam 1018 CW marker (EW)
17184.8 KFS: Palo Alto Radio CA US 1553 CW w/ CQ marker (LVH)
17188 SVD6: Athens Radio, Greece 0928 CW marker (EW) SVD6: Athens Radio
Greece 1552 CW. w/ DE marker (LVH)
17198.3 HZG: Dammam Radio, Saudi Arabia 1118 CW marker (EW)
17198.9 PCH60: Scheveningen Radio, Netherlands 0930 CW marker (EW) PCH60:
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Scheveningen Radio Netherlands 1539 CW w/ DE marker (LVH)

17206.1 IAR: Rome Radio, I 1120 CW marker (EW) IAR: Rome Radio Italy 1538
CW w/DE marker (LVH)

17213.9 SPH: Gdynia Radio Poland 1536 CW. w/ DE marker (LVH)

17230 CWA: Cerrito Radio Uruguay 1536 CW w/ CQ marker w/ QRN from ARQ
idler. (LVH)

17232.9 9VG53: Singapore Radio, Singapore 0933 CW marker (EW)

17238.8 XSV: Tianjin Radio, China 0934 CW marker (EW)

17239.7 PKB: Belawan Radio, Indonesia 1126 CW marker (EW)

17242 WOM: Miami high seas radio 1300 USB tfc list, wx. (BvR) (Officially
called "AT&T Coast Station Florida" - LOGS)

17245 MLKE7: 1555 USB dx 16363 psn/rpts p/p gos (RT2)

22090 Unid Asian stn 0635 USB. long p/p to unid vsl. (AW)

22452 XSQ: Guangzhou Radio, China 0551 CW marker (EW)

22459 XSX: Keelung Radio, Taiwan 0553 CW marker (EW)

22464 Odessa Radio 1308 CW cq (DG)

22477.5 KPH: San Francisco Radio CA US 2132 CW w/ ship msg tfc then V
CW marker (LVH)

22478 CBV: Valparaiso Radio Chile 2140 CW w/ V marker (LVH)

22518 WCC: Chatham, R 1655 CW 21.3 wpm tel no for port services 1-800-xxx-xxxx
ships tfc (RT2)

22539 KLB: Seattle Radio WA US 2127 CW w/ CQ marker (LVH)

22557 KPH: San Francisco Radio CA US 2121 CW w/ V marker (LVH)

22565 XSW: Kaoshiung Radio, Taiwan 0638 CW marker (EW)

22575.5 PKX: Jakarta Radio, Indonesia 0641 CW marker (EW) WNU: Slidell Radio
LA US 2120 CW. w/ CQ marker (LVH)

22576.5 JNA: Tokyo Radio, Japan 0525 CW marker (EW) (JMSA - Japanese Maritime
Safety Agency, Tokyo, J - LOGS)

22581.5 KFS: Palo Alto Radio CA US 2119 CW w/ CQ marker (LVH)

22595.7 SVB7: Athens Radio 1108 CW cb (DG)

22603.5 PPR: Rio de Janeiro Radio Brazil 2116 CW w/ V marker(LVH)

22646.5 JOS: Nagasaki Radio, Japan 0520 CW cq marker (EW)

22670.5 PPR: Rio de Janeiro Radio Brazil 2106 CW w/ ship tfc list(LVH)

18.2 VTX3: Indian Navy India 0425 CW marker, unsure of location (EW)

2428 MKL: RAF Edinburgh 1809 CW wx (BvR)

2702 Royal Navy: Coastal Control Ch.GB 0737 USB w/2 tone channel available
signal (UKMCCS Maritime Coast Control). (RB)

3023 RESCUE 12: 0135/0145 USB wkg Kinloss and Shanwick. 12 asked Shanwick to
relay close down msg to Kinloss because they were not answering, Kinloss
had transmitter problems and were off air. (CH)

3047 Halifax Military 0445 USB wkg several Unids re: submerged boat (sounded
like). (JJ)

3068 RESETTLE 0711 USB wkg NIGHTWATCH 01. At 0712z, a quick "Test. 1,2,3,
3,1.1 Test out (suspected MACDILL or MCCLELLAN, just because they've
been doing that a lot recently on the GHFS). (JJ) NIGHTWATCH 01 0450 USB
wkg RESETTLE on self ID'd Z-100, trying to work out ANDVT commrs.
NIGHTWATCH req RESETTLE to call him on LL. RESETTLE now female op, was
male around 0440. (MG)

3113 SAM 201 0047 USB wkg Andrews Vip on F-777 for pp to unid meteo for wx,
active runway, the usual service requests. Prior to moving to this freq
they were up on 6683. (JJ)

3125 FDI22 French AF Narbonne 2125 CW V-Marker (CK)

3130 Unid w/Informal net chatter (military exercise?) 2344 USB stations in
net: 93, 1c, Q. (KW2). (USN - LOGS)

3134 BRIMSTONE 0659 USB worked NIGHTWATCH 01. (JJ)

3143 WAR46 0656 USB worked NIGHTWATCH 01, and then NIGHTWATCH 01 called
DECEPTIVE (who was now on 4472), followed by DECEPTIVE wkg NIGHTWATCH
01 at 0657z. At 1403z, FEARLESS enters the net, and at 1405z, FEARLESS
w/ a 26-character EAM, trailing the GHFS bcst of same. (JJ) NIGHTWATCH
01 0448 USB passing P4DHCL tfc. ABDUCTION also in net. (MG)

3295 WAR46 0631 USB called NIGHTWATCH 01. At 0633z, a very weak station
(maybe NIGHTWATCH 01) w/ 26-character EAM string, taken from the
26-character string of the 20/20/26 character EAM set held on the GHFS
at 0619/0629z. LOSTSHOE 0011 USB called NIGHTWATCH 01. BRIMSTONE 0701
USB worked NIGHTWATCH 01. WAR46 0042 USB worked NIGHTWATCH 01. At 0046z,
MAYBERRY worked COMPETENT. (JJ) NIGHTWATCH 01 0410 USB wkg RESALE?
(maybe) req move to Z100. I caught the tail end of their comms on 3067. Is this Z100? NIGHTWATCH req move to Z-115 (3143). No better there, NIGHTWATCH req move to Z105. I thought I caught the tail end of their comms again on 3116, but it was so faint to tell. (MG) NIGHTWATCH 01 0410 USB wkg RESALE? (maybe) req move to Z100. (RD2)

4154.5 DRAG: FGS Rommel (D185) 0800 USB wkg DHJS9 for RTTY coordination (JP) DRAG: FGS Lutjens (D185) 0657 USB German Navy guided missile destroyer, wkg DHJS9, Wilhelmshaven Naval w/after send of RTTY tfc, QSL/QRU. Last logged her 5/95. (RB)

4120 ZRA: ?? Not Sure CW Marker. (Unid. S. African Navy - LOGS)

4314 4XZ: IN Haifa 1709 CW 5 fgs. (Bvr)

4448 Andrews VIP 0450 USB wkg AF-1 w/brief, ANDVT voice, signal cks. (JJ)

4452 Air Force 2 0500 USB wkg Andrews VIP for 021735z preflight freqs, given as: "This one" (this freq.) and "957." (The designator "this one" is a new one for me and sign of the times at Andrews.

4469 MOCKINGBIRD 7: 0052 USB clg MOCKINGBIRD 2 no joy, CAP net. (AM3)

4472 NIGHTWATCH 01 0658 USB called NIGHTWATCH 01. COMPETENT 0300 USB worked NIGHTWATCH 01; at 0308z, MAYBERRY worked NIGHTWATCH 01; at 0310z, BIGRANC worked NIGHTWATCH 01, COMPETENT. At 0323z, STABILITY worked NIGHTWATCH 01. At 0417z, COMPETENT worked NIGHTWATCH 01; when NIGHTWATCH 01 asked him if he wished to go into the "green" COMPETENT said sure, but someone in COMPETENT's background yelled at him to "check out, check out!" so COMPETENT did an "umm, request to check out of the net." At 0423z, NIGHTWATCH 01 called & raised WAR46, placed a pp to a very common DSN 939 number, this time id'd by female operator as NIGHTWATCH 02. Friendly chit chat, and NIGHTWATCH 01 tells NIGHTWATCH 02 "Red guys will be returning to the doghouse tomorrow." (sounds like "red"); then Night02 passed some brief "traffic" to NW01, and gone. NIGHTWATCH 01 0622 USB worked WAR46. (JH)

4491 CYRANO 44 (FAF AWACS) 1445 USB wkg VEILLEUR (CCAO Taverny, French Airforce HQ) w/tfc (also in line-form) about a SAR-mission. I can't tell where or what kind of SAR-mission this is. (GD3)

4492 BIG LAKE##: 0215 USB c/s BIG LAKE 00,05,06, and 07 in net. BIG LAKE to net 'qsy to 'ALFA', 'DELTA' is backup. (AM3) BIGLAKE ## (00; 01; 02; 03; 04; 05; 06) callsigns 0713 USB w/active net control comms possibly involving some sort of digital signal slightly up freq from 4492 (w/ the freq also qrm'd by occasional ALE-type pulses centered slightly down freq.) Suddenly at around 0710z, the signals went from mostly unreadable to maybe S9. (JH) BIGLEG (or BIGLEAGUE) 00, 01, 03, 05, & 06 0518 USB apparently wkg data tfc w/each other. Made reference to a "TOR" (Time of Receipt) for msg. timestamp '0524zulu.' (JJ)

4495 STUDIOUS 0355 USB called NIGHTWATCH 01; at 0358z OXIDATION called NIGHTWATCH 01; at 0400z SHEPWRECK up on freq. (JH)

4550 TBUS: 0330 CW TBDJ de TBUS... Turkey??(AM3)(Turkish Navy, Ankara -LOGS)

4558 C: Unid 0125 CW rptng (AM3) (Russian Navy, Moscow -LOGS)

4645 NAVY 496 0350 USB periodically wkg Andrews VIP for signal cks and election results. Other than that, it has been a very quiet flight. Made a pp at 0353z for wx but I couldn't make-out the destination. ETA at (?) is 0645z. (JJ)

4704.4 INDIAh9 0505 USB wkg HABITAT re: playground comms. I-9 wants to know if Y-S-T is in the net. Also wkg ANDVT Comms. (JJ)

4715 RAF Volnet London UK EE aviation weather 0828 (LVH) RAF Volnet 1657 USB saying 'no report received' for each and every airport it should broadcast met-reports for (MB3)

4717 N2P: Italian Navy 1517 USB wkg IDR(Ck) FOXTANGO 0749 USB worked MIKE. (JJ) HERSHEY 0150 USB wkg MIKE, re: tell your "TANGO-INDIA-CHARLIE" thanks. Also hrd mentioned: DELTA-TANGO, FOXTROT-TANGO, QUEBEC, CHARLIE-1, GREYHOUND, DELTA #s (tracks) 23, 24, and 30. etc., etc. (JJ)

4726.5 FDE14: FAF Villacoublay Air 1155 CW vvv. (PB) (See next -LOGS)

4727 FDE14 French AF 2220 CW V-marker (CK) (4726.5 or 4627?? - LOGS)

4730 RAF 'Cyprus Flightwatch' 1720 USB w/wx for European RAF bases and some wx warnings (thunderstorms over Cyprus) (MB3)

4742 Ascot 2144: VC-10 1123 USB Architect dep Brize Norton 1055/1105 eta Bari (Italy) 1330/35 standard relay C + BRIKKAZ + BRIKMAZ selcal CFAH. Ascot 4169 0915 USB w/Architect (C-130, RAF), .... CFE inspections, block clearance nr. RO/CFE/98, at 0939 w/pp Lyneham ops: suggested re-route due to Romanian block clearance not valid and to
avoid Moldavia: from Prague. (OKL) route: UA484 - DIBED - B41 - SH - A28 - destination (have a quick look to see if that makes sense...) UA484 is on R-NAV2, not on the standard airways map. Lifter form 0935 USB w/ Architect (Chinooks), ops normal. B0D 0952 USB w/ Architect (Nimrod?), radio ck. MLW 1016 USB w/ Architect (Nimrod?), wx EHV (Valkenburg). RFR 7C81 0830 USB w/ Architect (helicopter) wx EGVO (odiham) and EGKK. (BH) 7EJ 1420 USB cgl Architect. no joy. Navy 708 1423 USB architect nothing hrd. U2Y: 0050 USB Architect calling. replied but weak, unreadable. ASCOT 5672: 0051 USB wkg Architect w/ selcal ck AK-CH. IFN 50: 1145 USB wkg Architect w/ pp Ascot ops/ controller. On way back to Lyneham w/ cracked windscreen. was going to Sarjevo, diverting back eta 1210 IFN 80: 1115 USB wkg Arc. Dep Lyneham 1040 arr Split 1330, selcal ck AK-DF. IFN 80: 1105 USB wkg Architect Dep. Lyneham 1030, arr Split 1330, selcal ck AK-DF. Std Rly Kilo. 2v019: 1130 USB wkg Arc. req pp High wycombe ext 7978, terminated. D3G: 1118 USB wkg Architect, wkg freq will be DA, call Architect on freq DA. LISTER 17: 1120 USB wkg Architect w/ pp Lyneham ops. inbound 1150, contact 70Sqn. let fit and training know eta. ASCOT 5700: 1107 USB wkg Architect. selcal ck AJ-CK negative, chq to 6739 where selcal ck okay. (CH) ASCOT-5329 2129 USB wkg Architect. INCIRLIK (A30) 2224 USB USAF EAM msg (ck) IFN 24: 1435 USB wkg Architect. Stansted to Split. Selcal DH-KM - RAF Tristar. HOBBIT Formation:1220 USB wkg Architect dep RAF odiham req. radio watch RAF 27(R)Sqn Puma or Chinook helos ". Architect: 1752 USB wkg "LIFTER Formation" msg from Lifter Ops Lifter 3 u/s - so unable RV. Lifter's here are RAF 7Sqn Chinook helos from RAF Odiham. SHF 93 1422 USB wkg Architect. Puma helo from RAF Leeming to RAF Aldergrove monitoring freq. ASCOT 9257" 1125 USB wkg Architect. From Brize Norton to Lincoln Municipal NE. Info relayed to KOFF (Offutt) also. Selcal was LM-GK which I think is one the RAF's 'new'VCh10's - I could use an update though. ASCOT 3201 2348 USB wkg HAVEN (RAF Ascension), heading to Brize Selcal LM-DG. RAF Tristar CZA ZE706. Navy 49676 2315 USB wkg Andrews - pp's - including debating the merits of meeting w/ a Senator. RAFAIR 18L2: 1536 USB wkg Architect. RAF Nimrod to Kinloss from ETUR.(PR) RR2537 1403 USB Architect/dep.BRIZE 1250/05 eta JEDDAH 1920/30 Standard relay 'b' sel/ BLHJ (XV101 VC10). (RD3) ASCOT5292 1019 USB wkg Architect w/ a departure msg. ASCOT 9259 1020 USB wkg Architect w/ radio ck & a selcal of LM-HJ. 216 sqn Tristar dep RAF Brize Norton. ASCOT 1223 0840 USB wkg ARCHITECT departure msg. dep EGWU 0800/05 eta LETO 1010/15 std rly-R selcal DJ-FH. A Bae125 of 36sbn wkg Architect at RAF Northolt. F7W 1432 USB wkg Architect w/ ops normal. STARTREK FORMATION 1102 USB wkg Architect. From Brize Norton to Lincoln Municipal NE. Info relayed to KOFF (Offutt) also. Selcal was LM-GK which I think is one the RAF's 'new'VCh10's - I could use an update though. ASCOT 3201 2348 USB wkg ARCHITECT departure msg. dep EGWU 0800/05 eta LETO 1010/15 std rly-R selcal DJ-FH. A Bae125 of 36sbn wkg Architect at RAF Northolt. F7W 1432 USB wkg Architect w/ a radio ck. M4Q 0855 USB wkg Architect w/ a radio ck. Brdegun at 1125 ETA Split at 1420/30. Selcal AJ-BH. JB15 1100 USB wkg Architect. ground radio. HOBBIT-2 1103 USB wkg Architect w/ radio ck & selcal of AJ-EH. ASCOT4284: 0931 USB wkg Architect w/ radio ck & selcal of AJ-DE. Q5A39 USB 1107 wkg Architect w/ a ops normal. STARTREK FORMATION 1102 USB wkg Architect. Wanted the on the hour broadcast. Architect obliged. ASCOT9057 1126 USB wkg Architect dep BrizeNorton 0954 std rly-A eta KLNK at 1945/55. selcal LM-GK. ASCOT5020 1058 USB wkg Architect. PP to ASCOT ops. A/C was required back today. to facilitate this they would require a very quick turn around. can you sort this for us please ? HOBBIT-2 1048 USB wkg Architect. CH-47 dep Lynham en-route to Odiham, no relay, req listening watch. HOBBIT-1 1046 USB wkg Architect. Chinook helicopter dep Lynham EGXE en route to EGVO w/ 13 POB eta 1150. ASCOT240 0847 USB wkg Architect w/ std rly-D -AKTKORR & +JEDAPPO +JEDARRU. selcal EG-AJ. ASCOT5620 1028 USB wkg Architect dep Brugen stg rly-G. Wanted wx for a bunch of french airfields. Paris cdg, Lyon... F7W 1025 USB wkg Architect required TAF for CORK, EICK.(SM)
MACDILL w/ voice and data. At 0109z, TATOOED called NIGHTWATCH 01 during the attempted voice/data work. At 0110z, TATOOED called NIGHTWATCH 01 and raised MACDILL who gave him a signal ck. At 0111z, MACDILL told NIGHTWATCH 01 that his data tfc was garbled but understandable. At 0112z, TATOOED again worked MACDILL. At 0132z HELPMATE worked NIGHTWATCH 01 & told NW01 that WAR46 was trying to raise him on Z130, then HELPMATE exited the net. At 0212z, NIGHTWATCH 01 was still wkg MACDILL in voice and data, and told MACDILL something to the effect that MACDILL was not to alter the msg.

This lengthy attempt to work MACDILL in data is unusual - usually if they can't get it right w/in a few minutes, they write the session off. COMPETENT 0053 USB worked NIGHTWATCH 01. (JH)

4785 NATO Alligator Co-ord net:1350 USB primarily British accents but some North European accents too. Part of the group moved the co-ord net to some unreadable designator possibly hrd on 11175 v. weak at about 1610. S or 6 NATO tri-graph c/s 1208 USB (predominantly British voices) on alligator co-ord freq. Just setting this one up I think. I've hrd them here for a couple of weeks now - on and off anyway. (PR)

5026 NIGHTWATCH 01: 0620 USB clg unid callword on 'Z140", no joy, QRM from broadcast station. (RB)

5043.5 Unid military 1630 USB Many stations (some w/European accents) & callsigns requesting sig reports, SNOWBALL & PINGPONG mentioned, also tfc between 'Flight Lieutenant and Commander' re 'lift-off'. Can anywun confirm this as Air co-ord freq for NATO exercise off NE Scotland? (ANUK)

5065 9MB: MN Georgetown 1925 CW vvv vvv (BV) 9MB: Malaysian Navy 1730 CW "VVV VVV VVV 9MB 13/16/19" (CK)

5078 ECHO-7-QUEBEC 0057 USB wkg QUEBECh3hZULU w/ "Alligator" coordination tfc. (JH)

5142.6 NMB: USCG Group Charleston, 0014 USB SC, USA clg v9V, B4U comes up, adv re tfc v9V passed earlier (app in the 'green'), confirms 7,000 on the fuel. (RB) NMV: USCG GRP Mayport, F1 0517 USB wkg "cutters" req they adv when their boarding team is back on board & they are enrt to SAR, adv AirSta Miami has a Falcon on-scene. (RB)

5150 S: Russian Navy 2120 CW.(CK) (Arkhangel'sk - LOGS) C: Russian Navy 2120 CW. (CK) (Moscow - LOGS)

5154 C: Unid 0515 CW rptng "c" in CW. C: 0135 CW rptng "c" (AM3)(Russian Navy, Moscow - LOGS)

5320 NUIH: USCG Point Warde (WPB-82368) 0540 USB wkg USCGC Point Estero(JP)

5342 FDY French AF Orleans 1511 CW Vhmarker (CK)

5343 RIT: Moscow Naval, RUS 1400 CW P/L Russian nav wngs addressed to RKZ //11155. (J02)

5350 FI222 French AF Narbonne 1511 CW V-marker (CK)

5423.4 Proud Victory/Tango Charlie: 1641 USB wkg Determined Warrior, Green Stone, Rocket Ranger, VTC, & others ---co-ordination comms regarding live firing was from A/C: Id'd as "red circuit" (KW2).

5425 FOXTROT 0035 USB wkg I/B - I was intercepting CANYON (?) 401/403 -were to conduct Level 1 query on track - next air contact was at 3138N 6255W, altitude 24500, course 180 - FOXTROT assumed control 102/103 HOMPLATE at 0040 - finally Id'd track as P-3 w/wings clean. According to posn given, were around Bermuda. (TB)

5475 Unid 2254 USB TIGER 1 clg TIGER 2 for radio ck "on hotel foxtrot (hf)", no joy, then M4C clg TIGER 2 for radio ck. (DB3)

5680 Rescue 51 1036 USB wkg Plymouth Rescue, airborne from Lossiemouth, on route to SAR in posn 4919N0105E ETA on scene 12:15 8 hrs endurance. Rescue 193 1104 USB Refuel at the Scilly Isles complete on route SAR datum ETA 1245. Rescue 194 1115 USB Back A/C for Rescue 193 on route Scilly Isles. 1133 posn Scilly's radial 255/44. (AD2) SRG 131: 1030 USB enrt Lake district (CH) Helicopter Q98 1300 USB wkg w/ Riga Rescue.(both stations were loud and clear)(HW) DGU, 2128 USB wkg/ clg various stations for rdo ck: Legrand Radio, Seven Island Radio, Ruberville(?). (KW2) CAMSPAC Pt Reyes 0542 w/ vsl Portious (sp?). CAMSPAC Pt Reyes 0403 w/ S/V Yellow Rose (MS5) SRG 128 1345 USB wkg Kinloss Rescue dep Leconfield 6 pob for 1hr local flying.RAF Sea King rescue helo. 69 1158 USB wkg Sweden Air Rescue. Dep Brandby and is Southbound as well as being clear as possible. EI-BHO: 1505 USB wkg Kinloss Rescue r/c. Should be an Irish Sea King. Rescue 128 1404 USB wkg Kinloss Rescue - 5 miles W of Stoke, RAF Rescue Sea King, not far
from my location. SAREX 31: 1230 USB wkg Kinloss Rescue. On task in 15 mins for PLB search (exercise). Nimrod a/c, also hrd w/ SRG 137, a Sea King. Riga Rescue: 1310 USB wkg Glueckzburg Rescue for Radio ck. Glueckzburg sounded as though he had a Swedish accent. (PR) KINLOSS RESCUE 1626 USB wkg RESCUE 177 re last known posn of a/c 13.02 5629.2N/00349.8W. At 1635 RESCUE 131 w/Kinloss re will be airborne from Perth in 10 mins, req.search info”. Also Kinloss wkg mountain rescue team 'ALPINE 22' who are heading for search area. At 1716 RESCUE 131 reports on scene & req to deploy 4 MRS (mountain rescue crew) to search a hilltop at the point of last known posn of a/c for 30m while they perform air search. RESCUE 177 adv 131 present posn is Lough Turret. At 1722 RESCUE 131 adv Kinloss have located crashed a/c, no need for assistance now. At 1738 Kinloss adv 131 to go to Perth to pick up 4 Police who will replace MRT from Leuchars-bring MRT to Perth now-the Police will act as crash guards. (TW)

5684 Andrews VIP 0747 USB wkg SAM 26000 for a new primary on "F-437." Previously hrd on 6761 (F-957) and 6993 (F-117) just before landing on this freq. (JJ)

5692 RESCUE 1710 0250 USB wkg NMN w/pp Miami Op's, is at last reported posn of ship in danger of sinking. (name of ship unknown) 1710 was going to att to locate ship & contact other ships in area to aid in search on Ch 16. Dropping buoy to mark search pattern start & drift direction. (LH) Rescue 2131 0020 USB wkg Camslant. pp Miami Ops. Summed up by : Found no trace of ELT, so RTB. (PR)

5693 Coast Guard Group Cape May: 2214 USB wkg CG 6511 couldn't hear one another & was advised to go to FM (KW2).

5696 CAMSLANT Chesapeake: 0430 USB wkg 12 Carlie requesting flt ops. (CM) CAMSPAC: USCG COMSTA Point Reyes 2316 USB wkg 6042. 2129: USCG HU-25 2328 USB wkg CAMSLANT reporting flight ops normal. 37C: USCG HU-25A 0438 USB clg GROUP CHARLESTON. Charleston answers, calling SFC "2133" (USCG HU-25A) CANFORCE 2873: 0215 USB CANFORCE A/C wkg USCG CAMSPAC and Trenton Military. A/C located in Southern California area. SWORDFISH 32 1038 USB wkg CAMSLANT. Reporting that USCG Helo 6033 is rtb to San Juan and that SWORDFISH 32 will be flying cover and staying in the area. SWORDFISH is a call for USCG a/c involved in DEA ops. Rescue 6033 is enroute to San Juan w/ a medevac. SWORDFISH 32 reports that he hrd a mayday call on ch 16 from a fishing vsl which hit a shoal, is resting on the shoal and taking on water. Apx posn of the fishing vsl is 2041N 06708W. SWORDFISH descending to look for the vsl. At 1053, SWORDFISH 32 compromised his id by calling "Vsl calling mayday, this is Coast Guard Rescue 2132 on channel 16." Unfortunately (fortunately for us) they were on 5696 at that time (Dw2) NAVY HM923 0013 USB clg Coast Guard COMMSTA Honolulu re is departing Barbers Point att w/12 POB enrt to search area. COMMSTA secures their guard advising std. freq pair as pri. and sec.(5.696pri, 8.983sec) and if any questions requiring assistance should be on station at 0025z. (EA) CG1704 0218 USB departs BP w/8 PAX enrt Christmas Island, COMSTA advises 5.696 pri 8.983 sec and SAG Alpha as tertiary. Believe SAG Alpha is 5693. (EA) Air Force Rescue 60224 1635 USB wkg CG Group Humboldt Bay, they will be airborne from Moffett Federal Air Field and flying to the SAR site soon. Navy "Sickleave" hrd w/ ground ck, answered by CG Group Humboldt Bay. USAF Rescue 60224 1719 USB wkg CG Group Humboldt Bay, said a USAF H60, callsign AF Rescue 107 was enroute to the SAR, ETA 1:40 mins. CG Cutter Sapelo 1811 USB wkg CG Humboldt Bay w/ location of data marker buoy dropped last night, 40209.3N 12506.5 W ?, also told CG Cutter Buttonwood ? enroute, on scene at 1900 local. CG653 2322 USB wkg Humboldt Group re: airborne soon, 3 pog. CG1601 1721 USB wkg CG Humboldt Bay, departing SAR scene soon and returning to Sacramento Air Station, ETA 10:30am local. COMMSTA Kodiak 0000 USB clg CG1790 (not hrd), pos rpt on gnd in Kodiak. CAMSLANT 2359 USB wkg CG1715 Flt Ops normal, pos rpt. CG Cutter Sapelo 1806 USB wkg CG Humboldt Bay rpt they are in a heavy debbris field, setting up search patterns. CG6562 1719 USB wkg CG Humboldt Bay, enroute from CG San Francisco to Santa Maria for refueling, followed by CG San Diego. CG Humboldt Bay 1809 USB wkg USS Stethem re: refueling of AF H60's (EG) NAVY 508 1340 USB called by Culdrose (JP2) 93A, 2214 USB wkg CAMSLANT, accepting guard 6POB's homeplate Panther sector 6B patrol. CG2112 2225 USB wkg CAMSLANT, accepting guard 6POB's Roosevelt
Roads PR. CG Rescue 6002 2242 USB wkg CAMSLANT, accepting guard 4 POB's from Elizabeth City heading on mission for Elizabeth River area person in water. CG 2115, 2243 USB wkg CAMSLANT, securing guard on final approach to Otis ANG Base (MA). CG 6034 2132 USB wkg CAMSLANT, fit ops normal (now) posn rpt N3816/W7525, noted to CAMSLANT that just prior to call they had "complete" internal/external communications failure & if they couldn't be contacted they would head for 5696?. (Kw2) TANGO 6 YANKЕЕ 2058 USB passing flight ops normal to CAMSLANT Chesapeake. At 2100 CG 6009 passing posn report to CAMSLANT, CG RESCUE 2104 2145 USB departing Opa-Locka enroute Jacksonville request CAMSLANT take their guard. Station Mayport also contacted 2104 and requested they try and raise the cutter BEAR. At 2158 CG 6001 passing flight ops normal to CAMSLANT. CAMSLANT 2028 USB req flight ops from CG 1712, flights ops normal. (MF2) CAMSLANT Chesapeake 0207 USB clg Rescue 2131 0220 Rescue 6012 SITREP for CAMSLANT. 0231 CAMSLANT w/ radio ck to Rescue 2131 0245 Miami Ops called 2131. 2131 reports that vsl can't secure EPIRB on 121.5. CAMSLANT Chesapeake 0417 & 12C, 12C weak but readable (MS5) CAMSLANT Chesapeake 0416 USB wkg CAMSPAC Point Reyes for test. Rescue 6002: 0431 USB initiated guard w/ CAMSLANT Chesapeake for flight from Elizabeth City, NC to offshore from MCAS Cherry Point, NC. Guard was secured at 0722z after return to Elizabeth City, NC. HERK 04 1003 USB wkg CAMSLANT Chesapeake, requested msg relay to Maquetta(?). (MSG) J67: 1435 USB wkg Culdrose Ops req clearance into a couple of radar areas for SAREX search.Royal Navy Jetstream T2 a/c ?. USC a/c 0000 USB wkg CAMSLANT, including : CG 6009:HHh60J @ 35.43N 75.37W CG 1503: HC-130H @ 35.22N 77.32W. W8T @ 25.18N 78.08W Rescue 2131: HU-25C, 25.33N 78.06W . CG 1711 0000 USB wkg CAMSLANT. Ops Normal @ 27.59N 80.59W "Rescue 1500" also w/ CAMSLANT Ops Normal @ 35.12N 72.29W. Y7L 1420 USB wkg Culdrose Ops (Royal Navy), leaving Plymouth area was probably a Dutch Lynx helicopter (from accent and noise). (PR) Coast Guard 1501 2308 USB wkg PP to Atlantic Area Ops Command (via CAMSLANT Chpk), they report are bingo fuel, going into Bermuda for fuel. Have not sited any vssl in distress yet, are wkg legs of search. Intentions are not to search back to DMB (Data Marker Buoy) but to let it drift. If site any flares will change search....Command is having trouble resolving fix.....CG1501 will return DMB after fuel. Lots of other activity here including posn reports to PANTHER. (PS3) SHARK 03: USCGC Harriet Lane (WMECh-903) 0206 USB wkg 32C w/posn. NRDC: USCGC Campbell (WMEC-909) 0500 USB wkg HERK 19 (CG 1719, HC-130 'Hercules') w/posn, later ID's as SHARK 09 wkg HERK 19. Culdrose Op's: Royal Navy AS Culdrose 0833 USB wkg unid a/c w/ck's. (RB) US Coast Guard Rescue 1710 0300 USB w/Cutter Tampa, Canadian Warship St Johns, USS John Hancock and US Navy Ship "Statesman" w/kg a SAR on a sailboat at 28.20N 76.13W (SP) WMN: CAMSLANT Chesapeake 1353 USB w/kg Coast Guard 2141 the boat was found and that 2141 could resume its regular flight. (SL) 2141-CG 63A: CAMSLANT Chesapeake, requested msg relay to Maquetta (?). (MSG) 37C had dep BRAVO 9, homeplate was PANTHER and were enrt PANTHER 400...at 0012 the DELTA agent on board req CAMSLANT to contact PANTHER for posn, range and speed of TOI...PANTHER didn't have updated info...DELTA agent requested that if TOI is heading to WHISKEY 6 then use CG 2112 (who had been sent to Key west to refuel & was expected to be at a posn just South of Bimini at 2030L to take a DELTA team to Nassau. PANTHER requested that 37C head to PANTHER 400 and call them landline...37C reported that they would be at PANTHER 400 at 2025L...at 1955 UTC 63 ALPHA (former CG 2112) reported to CAMSLANT that they had acquired the target - PANTHER tells 63A that there will be a Falcon relieving them at 2030L & they should return to WHISKEY 10...37C then talked to 63A direct and asked if 63A was directly over the TOI...63A replied that he was over the boat and it's course of 360 degrees at 30 knots...37C asked for posn & 63A gave him 2503.9N 7907.9W and boat was now dead in the water...37C then switched to 5692 for direct pp w/ PANTHER...never connected...at 0215 UTC 63A was 12NM from KILO 6 & asked PANTHER to notify local authorities that it looked like the boat was heading to KILO 6. 63A told to stay w/ target. At 0235 63A reported that the boat was DNW and they thought that they had been spotted by someone on the shore w/ a searchlight...nothing else hrd until 0310 when 63A reported that he was on the ground at KILO6 and that the boat was abandoned in the harbor...subjects had fled the area and...
local authorities & 63A's DELTA team was chasing them. 37C meanwhile was coming hard and were 170 NM from scene...37C requested a landing site for them at KILO 6 to which 63A replied that if he was light that he could land, otherwise he would have to use the hoist to get the DELTA team up...at 0325 63A reported that the DELTA team was back on board w/ one of the members having been hit by a rock and possibly suffering a broken collarbone...63A was returning to WHISKEY 10 but 37C should keep coming to look for the bales possibly dumped...63A told 37C that whatever he did, he shouldn't land at KILO 6 due to 'hostiles'(TB).

HABITAT 2205 USB w/kg TANGO-4-NOVEMBER. Re: Moving to voice ch. WY01. It seems these two are also w/kg UHF comms at this time, so maybe WY01 is a UHF freq? HABITAT 1834 USB and numerous other players: MAGIC CARPET SIERRA, 1-ECHO, KILO-0, etc. (JJ) HABITAT, MAGIC CARPET and A5 0346 USB (MS)

LOSTSHOE 0011 USB worked NIGHTWATCH 01. NIGHTWATCH 01 0025 USB worked WAR46 w/pp to a common DSN number for NIGHTWATCH, for a brief connectivity ck, and gone. KEYLOCK 0716 USB worked NIGHTWATCH 01 and checked out of the net. At 0757z TAILBONE called and eventually raised NIGHTWATCH 01 at 0801z, for a data ck. NIGHTWATCH 01 0710 USB worked RESETTLE. ONEPUNCH 1517 USB called NIGHTWATCH 01. At 1524z OVERTONE worked NIGHTWATCH 01, and asked 32z ONEPUNCH. At 1533z OVERTONE (female opr now) worked NIGHTWATCH 01 under the ANDVT comms between OVERTONE & ONEPUNCH. FLATWARE 0610 USB worked NIGHTWATCH 01. At 0635z, FLATWARE worked NEWMATH. At 0748z, TEAMWORK worked INCLUSIVE. At 0811z, FLATWARE (w/ distinctive "clattering" noises in his audio's background) w/39-character EAM (IHOEAK...). At 0823z, FOOTSORE w/ 33-character EAM (CXTWKO...); "more to follow"; 39-character EAM (CZXVGIV...). During these transmission, FLATWARE popped up w/ EAMS as well, qrm'ing the FOOTSORE xmsns. At 0832z FOOTSORE w/ the IHOEAK...string; and 0837z w/ the CXXGIV... string. At 0841z, NIGHTWATCH 01 w/"SKYMASTER. AKAC 3-6-9 msg of 10 groups follows." and into NHS AMV BYD OHA 76O 66F BTJ R4S YTY E2Z. SKYMASTER was also hrd from callsigns and NIGHTWATCH 01 on 25/26 Oct 96 utc during an apparent large strategic exercise similar to this activity. At 0916z, TEAMWORK was up w/ the same AKAC 3-6-9 msg (w/out the SKYMASTER part). NIGHTWATCH 01 0808 USB worked TESTKIT; ENCOURAGE (EAM broadcaster); VIGILANT. At 1447z, ENCOURAGE w/ a 20-character (P4F6VM...) EAM, also hrd on 8968/15016/17976 at h+55/h+25. (JH)

CAPE RADIO 0725 USB w/brief comms. (JH)

RJE73: 1447 CW Q/CQ TC marker followed by tfc in cyrillic alphabet and numbers(CK)

TB0: Turkish Navy, Izmir 2203 CW, "vvv vvv vvv de tbo tbo tbo t23c t23c t23c" marker (MC)

TB02: Izmir Navy. R Turkey 0700 CW VVV VVV VVV DE TB02 TB02 TB02 VVV VVV VVV T23C T23C T23C (CK) (5759 or 5795 ?? - see 5759 log - LOGS)

BRIMSTONE 0704 USB worked NIGHTWATCH 01. NIGHTWATCH 01 2033 USB worked GLASSWARE. At 2051z, GLASSWARE worked NIGHTWATCH 01 and exited the net (he had just entered the net at 2024z.) At 2057z, NIGHTWATCH 01 w/ a 26-character EAM (trailing the GHFS bcst of same), simulcast on 5800 & 9016. GERANIUM 1648 USB worked NIGHTWATCH 01, w/this freq made primary freq. DEERMEAT 0029 USB called NIGHTWATCH 01, w/no response and moved to 9016. Unid 0118 USB “very” weak activity that sounded like a commercial pp in progress, w/one party having a UK (or Commonwealth) EE accent. Too weak to make out the id's or who was running the patch. NIGHTWATCH ONE 0012 USB called NEOSIGN (callsign active 24 hours). At 0014z, BLACKEYE called NEOSIGN. ASSISTANT 0323 USB called NIGHTWATCH 01. At 0631z, NIGHTWATCH 01 w/ a 26-character EAM, after which he called ASSISTANT, w/no response. (JH) DEERMEAT: 0104 USB clg Nightwatch.no response. WAR 46: 0007 USB clg Nightwatch. No response (As Jeff said earlier - but I hrd nothing on 9016). (PR) - possibly a patch...Nightwatch.

NIGHTWATCH 01 2144 USB worked TALLCORN, and set this freq as net primary (because of lack of qrm on freq, but not for long.) At 2145z, NIGHTWATCH 01 moved FOGCOUNT from 9016 to here. Due to swbc firing up on freq shortly thereafter, they eventually moved net to 5705. ASSISTANT 0333 USB called NIGHTWATCH 01. A bad choice on NIGHTWATCH 01's part, as the freq is heavily qrm'd at this time of night. (JH)
WUNhv02

5881 RMP: Navy Kaliningrad 0817 CW "de RMP 9134 =zpc=" (PB)

6379 4XZ: Israeli Naval Radio Haifa Israel 2250 CW w/ V marker (LHV)

6382 TBA6: Turkish Navy Ankara Turkey 0438 CW w/ V marker (LHV)

6385.1 AQK: Karachi Naval?, Pakistan 1730 CW marker "VVV AQK 2/4". (JD2)

6389 CTP: NATO Lisbon Radio Portugal 2254 CW w/ V marker (LVH)

6470 SXA: Greek Naval Radio Piraeus Greece 2316 CW w/ V marker (LVH)

6493 VAI: Vancouver Radio, CA 1035 CW marker (EW) CCG - LOGS VAI: CCG Vancouver BC Canada 2323 CW w/ CQ marker (LVH)

6501 NMN: CAMSLANT Chesapeake VA US 2326 USB calling the cutter Harriet Lane Told cutter to move to 6518. (LVH)

6502 TBB6: Turkish Naval Radio Ankara Turkey 2326 CW w/ V marker (LVH)

6518 NMN: CAMSLANT Chesapeake VA US 2327 USB calling the cutter Harriet Lane This is not an ITU allocated MMS frequency. No answer from HL. (LVH)

6647 WATCHDOG 94 1320 USB wkg GUY informing them of a good size group of French fishermen around 51.27N 06.04E GUY (HMS Lindisfarne P-300 Island Class Patrol) Royal Navy thanks for the ID Rick) heads over to have a look. WATCHDOG 94 1148 USB wkg "YZ" (prob. GUY - HMS Lindisfarne) Quick survey of French/British trawlers in their area. (PR)

6683 ANDREWS 1817 USB wkg SAM 200. (JH) NIGHTWATCH 0354 USB setting up data comms here w/MacDill. SPAR 66 2122 USB checking Andrews VIP on this new primary, "781" at 2122z. AF 62 0200 USB wkg Andrews VIP for pp to 301-DSN. EXECUTIVE-1-FOXTROT, DC-9 2216 USB ETA Las Vegas 2305z wkg Andrews VIP for pps. VHF freq. 122.95 mentioned for Vegas. (JJ)

NIGHTWATCH (female operator) 1318 USB clg Andrews asking for a signal ck. Andrews responded and transmission ended. At 1340 NIGHTWATCH 01 calling ANDREWS requesting a call to NIGHTWATCH 02, then w/comm's to NIGHTWATCH 02 informing them that NIGHTWATCH 01 would be late getting to Offutt. Told NIGHTWATCH 02 to go ahead and use vehicles for their operation. NIGHTWATCH: 1318 USB clg Andrews asking for a signal ck. Andrews responded and transmission ended. (SL)

6691 LIMERICK: 0334 USB prob USN Eh6B clg "zulu on CA" (DW2) RAFTMAN 1532 USB worked BOOMTOWN in voice and data, maybe for the next 90+ minutes. Also moved to CB (11187). BOOMTOWN 1738 USB worked TICKTOCK, w/ lots of "ZDK msg via "broadcast" (zdk=repeat), and also lots of mention of GVL (Greenville, Tx?). At 2320z, BLACKDOG worked TICKTOCK ("feet wet at this time"). At 2323z: "ACS/T up at this time". "Put CI operator on". "QSL handover" (TICKTOCK to BOOMTOWN - just noticed this is near 2359z); "ACO up now". DUCKCALL 2143 USB worked TANACITY in clear voice and data. When DUCKCALL asked to perform a "T-quad", TENACITY bitched off as he was "monitor only" for this, but agreed to accept DUCKCALL's "T-quad" ck. This was followed w/ standard ticking and very short beeps at the top of each minute. (JH) TICKTOCK 0545 USB wkg SPRINTER w/ comm's and data. Using "TE034 Data Modem 4 tone" (MG)

6693 NATO style trigraph calls 1308 USB R8w (Brit.), 1BT (US) and others. (PR)

6697 5LN: 1127 USB wkg MKL wanting to know where to find 3KT. MKL hrd wkg O6J (German accent) for wx info thru CRATT later on. (PR)

6712 FMN 53C9 0932 USB Circus Vert (Atlantic?) dep....1000 QRX 1130z (in FF). (BH) McClellan: 0508 USB wkg NIGHTWATCH. Asks to call again in 30 mins. (CM) FAF 6645: 1320 USB from Cazaux to Ibiza, crew 7. msg to be relayed to "Airecolnav Toulouse", "Ceaa Tours", "Centops Fap Villacoublay". COTAM 3158 1515 USB from Dax to Orleans, mission nr 9646340593. COTAM 1814 1500 USB from Luxeuil to Aix. COTAM 3154: 1300 USB going to Madrid, mission Nr 9647340478 (JP2) TALON 23: 1208 USB wkg Croughton. pp Banter Control. Heading to Mildenhall needs a doctor on arrival for one person. Pilot gave TN as 88-1699. Which probably should be 86-1699 a 7th SOS MC-130H. IFO 14 1724 USB wkg Croughton pp Andrews VIP - says try F957 I hrd IFO 14 on 6761 but mostly QRM. Tink dropped as 14 was almost on approach will use F267 (6730) as primary and F311 (17220) as secondary tomorrow (12/11/96). (PR)

6715 TALLCORN 2141 USB worked NIGHTWATCH 01, both heavily qrm'd by regular h=30 data xmsn hrd on this freq daily. WAR46 0548 USB called NIGHTWATCH 01 for a signal ck. At 0549z, PLOWYKE worked NIGHTWATCH 01 and exited the net. At 0715z MUSCULAR called NIGHTWATCH 01. OXIDATION 0217 USB called and eventually raised NIGHTWATCH 01. At 0344z SHIPWRECK (callsign remained active 21+ hours, until 2359z; had "noisy"

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background similar to sounds from some EAM simulcasters) called NIGHTWATCH 01; at 0345z, SHIPWRECK worked LIMERICK (callsign heavily used throughout week). (JH) 5 FOXTROT MIKE: 2057 USB wkg Halifax Military re closing watch. Unid: 2 stations 2241 USB re informal discussion 1 station on ground at Robins AFB -- AFRES informal chit chat freq? (kw2). 8UL: 0115 USB wkg Halifax MI1. Then into CRATT. (PR) 6617 SPAR 63:1340 USB DV on board, landed at ?, msg relayed to Ramstein (JH) 67 SPAM 27000 1226 USB wkg Andrews for wx at HECA (Cairo Int.) (PR) 6719.4 MAGIC CARPET SIERRA 2217 USB wkg HABITAT & others. (JJ) 6727 8LV: 1320 USB wkg DHJ35 (Wilhelmskron Navy), cannot complete mission so RTB Nordholz. Prob a German Navy Atlantic. (PR) 6730 SAM 300 2023 USB worked ANDREWS w/pp's. NAVY 50511 0123 USB worked ANDREWS. (JH) NAVY 496 0118 USB wkg Andrews for a signal chk. EXECUTIVE h1hFOXTROT 2348 USB wkg Andrews VIP re: departing Ontario, CA "in 15 MIKES." (JJ) Air Force 2 1435 USB wkg Andrews VIP for pp's(PR) 6735 GOLF 0656 USB wkg unk station; probably FOXTANGO net. The net was still active at 1527z. MIKE 0035 USB wkg various stations - probably FOX TANGO Alligator Playground voice co-ord net. FOXTANGO 0854 USB wkg JULIET, MIKE, PAPA and other players in his net. Discussing a move ('kick') to DELTA 00. (JH) 6739 STEEL 12: 0120 USB Wkg Incirlik. told to QSY to 11118, week readable, QSY to 7805 (CH) ANDREWS 0619 USB as lead GHFS station, w/ a 20(RY)/20(RY)/26(FL) character EAM set over a 10 minute period. MCCLELLAN 0620 USB as lead GHFS station w/ a 20(E4)/20(E4)/26(P4) character EAM set over a 9 minute period. At 1522z, REACH 4828 worked MCCLELLAN w/pp to TRAVIS rep his receiver REACH 205. NIGHTWATCH 01 0055 USB wkg ANDREWS moved them to 4745. OFFUTT 0239 USB as lead GHFS station w/a 20-character EAM "FOR TACAMO PAC PRIMARY" (which followed by 8 hours an EAM "FOR TACAMO PAC SECONDARY." OXIDATION (probable USN) 0200 USB called MAINSAIL at 0200z and THULE AT 0204z. At 0214z OXIDATION worked WAIISTCOAT and passed NIGHTWATCH net freq of Z160. At 0350z, STUDIO worked ALBROOK, w/ a pp to "COMMAND CENTER" (hrd in these patches and directly on 6691/11118 since 01 Oct 96), telling COMMAND CENTER that the "skipper" is sending new 'mission schedule', and requests that COMMAND CENTER relay the "intention of your AOR ("ay oh are" (?) (Area Of Responsibility ?) regarding his forces." PAT 139 0706 USB worked HICKAM w/pp to COMMAND POST. OVERTONE 0655 USB worked ANDREWS w/pp to EVANS, who id's on the patch as BOOMTOWN. OVERTONE asks for "msg via wideband", w/BOOMTOWN asking "what msg?". OVERTONE replied "the VQ3 mission change" and to "ZDK via wideband" (repeat via wideband). At 0746z, SOMBREO called "MAINSAIIL w/ FLASH precedence tfc", and raised (oops, didn't note it), w/pp to a common DSN 339 number (the extension was yelled to the SOMBREO operator by someone in his audio's background). The FLASH msg: "request immediate retransimit of 182342z "stat" (that would be a msg of 8 hours earlier)." FLAS a DSN 884 number (tinker), id'd as "AAR". FLASH 99 self-id'd himself as "the Navy plane", and he was trying to get info about parking at the TANGO ramp "...by VQ4 ramp." OFFUTT 0641 USB w/an "all frequency request" for TIGER 23 AND FLIGHT. NIGHTWATCH 01 0151 USB worked THULE w/ a signal ck, and went. At 0338z, NIGHTWATCH 01 called "any station" for a signal ck, w/no response. At 0344z, an undid station (no id given) lit up the freq w/a musical train whistle, and into a spirited musical rendition of "'I've been working on the railroad'; cut off in mid tune. At 0345z, NIGHTWATCH 01 w/ a call for MAINSAIIL. At 0512z NIGHTWATCH 01 worked MCCLELLAN w/pp to a DSN 271 number (not hrd before); w/ the party at the other end very hesitant about what was going on, but it appeared to be a signal ck, and NW01 gone. At 0619z E9P calling HICKAM, and saying in the blind "Executing Exercise GRIDIRON", and req a pp to a DSN 471 number id'd as FL. At 0620z, MCCLELLAN w/a 20(CA)/20(CA)/26(T4) EAM set over a 9 minute period. OFFUTT 0607 USB as lead GHFS station, w/ a 26(T4)/20(T4) character EAM set. At 0627z, OFFUTT w/ a 26-character T4... EAM, followed at 0633z w/ a 20-character T4... EAM. Unusual to hear so many now rare 20-character T4... EAMS over a 7 hour period. (JH) SAMBLADE 0425 USB wkg MacDill for NIGHTWATCH freqs: "Zulu-175 pri. & Zulu-120 sec." (JJ) REACH 827: 2123 USB wkg Lajas pp Hilda East eta 0015Z OEKH C5 acft tail #700463 (kw2). Navy KU 59 2335 USB wkg Thule. pp Navy Duty, Keflavik
WUN-v02

(RSN 450h5070). Relay of off-sta msg from CLH (who was about an hour from Lajes). MUH 12 0025 USB clg Lajes for a radio ck. No response. DEERMEAT: 0145 USB wkg Thule. pp Nightwatch. NW says will be "down for 2 hours to work on frame of A/C". That infamous "interrogative" term was used by DEERMEAT in pp. RAFAIR 15LO 1340 USB wkg ARCHITECT for wx at Brunswick Bangor and Portland. Likely to be a Nimrod on tour.

6745  CHR: Trenton Military, ON 0230 USB wx bcst. (AB2)

6750  PAPA: unid USN 0347 USB wkg QUEBEC on FoxTango net (DW2) FOXTANGO 0448 USB wkg GOLF, then moved to the "101 net". (JH) FoxTango net 0005 USB active again briefly - mainly hrdr radio cks. (PR)

6757  NIGHTWATCH 01 2147 USB wkg TALLCORN. NIGHTWATCH 01 0009 USB worked INCLUSIVE, FOOTSORE, MEMORIZE, IDENTICAL for a signal ck (none of the callsign were used in the net just 10 minutes earlier on 9016). At 0119z FOOTSORE w/ 20-character EAM. At 0121z, NIGHTWATCH 01 w/ "CARDTABLE. CARDTABLE. AKAC 3-6-9 msg of 3 groups"; repeated; and into GP WHJ HO7. At 0128z, FOOTSORE w/ 26-character EAM. At 0237z, NIGHTWATCH 01 called INCLUSIVE & req he go into "green". INCLUSIVE seemed to respond by calling SILVERADO 28 (sounds like), at which point NIGHTWATCH 01 told him to go into the "green" again. At the completion of the ANDVT comms, NIGHTWATCH 01 called him INCLUSIVE 02. NIGHTWATCH 01 asked INCLUSIVE 02 if INCLUSIVE 01 were on freq, & was told yes, so NIGHTWATCH 01 raised INCLUSIVE 01 and they went into ANDVT comms. At 0243z, NEWMATH worked INCLUSIVE 01 for a signal ck, followed by NIGHTWATCH 01 wkg INCLUSIVE 01. At 0244z, URGENT called NEWMATH for a signal ck. At 0245z, INCLUSIVE 01 worked INCLUSIVE 02 in the clear and in ANDVT. By 0312z, URGENT worked INCLUSIVE (no suffix; female operator now). At 0342z, IDENTICAL worked NIGHTWATCH 01. At 0400z, NIGHTWATCH 01 called UPPER CUT but raised INCLUSIVE who told NW01 that UPPER CUT was out of the net. WGY904 1602 USB w/a HOTEL msg to unk party (missed it.) At 1604z WGY904 called DAYDREAM and passed a HOTEL msg in the blind. NEWSROOM 1740 USB worked CAMERAMAN and entered the net through CAMERAMAN. At 1811z, CAMERAMAN worked NIGHTWATCH 01 (now active), and attempts to exit the net via NIGHTWATCH 01, but is unable to authenticate NIGHTWATCH 01's 3-character set. They go into ANDVT, but the ANDVT comms are not wkg w/ CAMERAMAN. NIGHTWATCH 01 directs CAMERAMAN to call NIGHTWATCH 01 at a common DSN 939 number, & exit the net through secure landline cks. (JH)

6761  SAM 27000 2130 USB wkg ANDY w/11460 (Sec). (DC) TURBO 47 0535 USB clg FLIGHT w/o response. MACDILL responded to TURBO 47's calls, but misid'd TURBO 47 as JAMBO 47. For some reason, MACDILL was guarding this freq this local night. At 0546z, TURBO 47 called JAMBO. At 0647z, LUCKYHIT called MACDILL w/out response, then called MAINSAIL w/o response. Unusual to hear callwords on this freq since 1992. At 1644z TURBO 54 clg/wkg TURBO 06. Comms followed by some verbal horseplay on freq, which sounds like from other a/c (mention of "goodtimes"). At 1647z, CODER ## FLIGHT (sounds like; could not make out numeric) called CODER 66. At 1700z JAKE 12 (sounds like; numeric called "one two") called something that sounded like OFFICE or maybe OFFUTT, w/ no response. STUMP 48 (sounds like) 0047 USB worked TURBO 46. (JH) GASSER 07 0430 USB clg Altus Command Post. No joy. WOODY 43 2310 USB wkg STRIKE Ops for msg: "FLCXGS." LUCKYHIT 0452 USB wkg MacDill for msg, relay to NIGHTWATCH. SAM 300 1537 USB DV 3 + 8, pps via Andrews VIP. GASSER 07 0430 USB clg Altus Command Post. No joy. WOODY 43 2310 USB wkg STRIKE Ops for msg: "FLCXGS." LUCKYHIT 0452 USB wkg MacDill for msg, relay to NIGHTWATCH. (JJ) RAID 48: 0036 USB calling SPIRIT 28 on "6761 Upper". (JM) SNOOP 56 1123 USB clg QUID 64 - did so on and off for 20 mins w/ no response hrd. Apart from a radio ck w/ Reach 1506. (PR)

6779  DRHN: FGS Main (A515) 0039Z USB doing voice coordination of RTTY w/ DHJ59 (JP)

6815.6  P7J 0315 USB active in DEA/USCG activity. X4V also active. (AH2) Cutter Hamilton (sounded like) 2349 USB posn 17.19N 65.19W (sounded like) wkg comms, both voice and ANDVT w/various unids and later hrd: SHARK 39 calling SHARK 67. No joy. (JJ)

6817  NAVY 676 0402 USB wkg Andrews VIP w/ signal chks. (JJJ)

6825  FAV22: FA Mont-Valerien 1040 CW "cq de FAV22 ar" (PB)

6844.5  FDE14: FAF Villacoubly 1050 CW "vvv de FDE14" (PB)

6992.5  Submarine HMS Vigilant 1131 USB wkg MFP34. Sub said that his CO wanted
to work as many Sea Cadet stns as possible. MFP34 said that they had a local fishing boat on hand to take a party of Sea Cadets out to view the submarine. The sub said that CO wants to know names and locations of Cadet units contacting the submarine. The NCS (MFJ04) passed a list of station callsigns and locations to the sub. (GT)

6993 ANDREWS 1721 UB wkg SAM 974. (JH) SAM 417 1600 UB enrt to Hawaii? wkg Andrews VIP. Also on 11056. SAM 26000 0245 UB DV 2 + 17, enrt to Vietnam, via Elmendorf/Yokota, wkg Andrews Vip for pp requests. Also found on 8026 and 11460. (JH)

6997 Unid: 0210 UB Male calling out Phonetic Letters ...many "whiskey's" and what sounded like Spanish numerals. The signal had a strange tone flutter in it. Small gaps in between letter groups. A good S5-S7 signal into Long Island. (JC5) (per post by Costas K, this could be the Italian AF - LOGS)

7535 NORFOLK SESEF 1931 UB conducting HF transmitter tests w/ the USS GRUMMAN. (MF2) Norfolk SESEF (Ft. Story, Virginia Beach Va.) 2030 UB wkg 9RT w/various radio tests. (SF)

7805 STEEL 12: 0120 UB wkg Incirlik. pp DSN 564 0000/local no. QSY to 4850 during pp then back to 7805 because of bad signal. 2 other morale pps made, one busy other answer phone. (CH)

7831 TALLCORN 2143 UB wkg NIGHTWATCH 01. BIGLAND 1918 UB (or BIG____; can't make out the call; female opr) w/26-character EAM, trailing the GHFS bcst of same. She then called NIGHTWATCH 01 (no response) and REGENCY (sounds like), and asked REGENCY if he had received her "VOM2" (dropping the P4 static characters of the P4VOM2 preamble.) At 1922z, REGENCY cks out of the net via BIGLAND. At 1942z, BIGLAND w/ a 26-character EAM, trailing the GHFS bcst of same by 7 minutes. At 2000z, BIGLAND w/ a 26-character EAM, trailing the GHFS bcst of same. TICKTOCK 2317 UB called NIGHTWATCH 01. (JH) Nightwatch 01 2013 UB wkg Squadar freq Z-170 (SF)

7919 METAPHOR, unk 0735 UB wkg a/c w/HERKEY callsigns. (JD2) (USCG -LOGS)

7944 RIW: Khiva Naval, Uzbekistan 1025 CW clg CMU967 & getting no reply. (JD2)

7975 Charlie Hotel Hotel 7091 1750 UB to CHH 7052 passing codeword "Icefan." Open mike on freq, much giggling from female op., male voice suggests "unit is sinking in the mud." Seems like they are all having a good time on assignment. (ED)

8026 NAVY 50511 1542 UB wkg ANDREWS; moved to 11460. (JH) SAM 26000 0535 UB wkg Andrews VIP for Taiwan and Vietnam flight clearances and pp to Hanoi. SPAR 66 2052 UB DV 3 + 4, dep KCOS (Colorado Springs) 2042z enroute to CYQX wkg Andrews VIP on "290" for pp to Ramstein Command Post, 480-DSN. Andrews VIP 2319 UB wkg SAM 26000 w/preflight signal cks here and also on 11214. (JH) Andrews 2046 UB wkg SAM 375. (MF2)

8032 SAM 203 1604 UB ETA Andrews: 1905z, wkg Andrews VIP for pp to CROWN and CROSSBOW for requested SATCOM chk. Request was denied by CROSSBOW, "we have an exercise in progress." (JH)

8040 SAM 300 1537 UB DV 3 + 8, pps via Andrews VIP. Air Force 2 0105 UB wkg Andrews VIP for pp to CACTUS-3 re: SATCOM link. 0105z. At 0120z Two Spanish speaking males came up on freq. and in somewhat broken EE mentioned Mexico a few times, Gringo a few times, finally said "please get off the line." Air Force 2 did. AF-2 moved to 8047. Air Force 2 0105 UB wkg Andrews VIP for pp to CACTUS-3 re: SATCOM link. (JJ)

8047 PACOM 01 1645 UB Andrews VIP signal cks. NIGHTWATCH 0325 UB wkg Andrews for signal cks. (JJ)

8053 SAM 201 2330 UB wkg Andrews VIP for pp to Signature Av. and SAM Command. (JJ)

8078.5 The "REAR" 2208 UB clg any station this net for a radio ck. No joy. (JJ) (probably USN convoy comms...or USMC? - LOGS)

8094.5 FDC: FAF Metz 2100 CW vvv marker (PB)

8122 HMAS Protector 2030 UB calling Darwin control and Canberra control re circuits for passing tfc, it appeared that Canberra had some equipment problems. (BS) VLRW: Royal Australian Navy survey motor launch Benalla (A04) 1007 UB in contact w/ shore station Cairns Control. VLRH: HMAS Bendigo (PTF-211) 0742 UB wkg Canberra Control w/re msg tfc. VHP: Canberra Control, AUS 0807 UB wkg U9Q for radio ck. (RB)

8130 TBO: unk naval, TUR 1715 CW "VVF DE TBO t23c". (JD2) (Turkish Navy, Izmir - Logs) TBO: Turkish Navy, Izmir 1840 CW, "vvv vvv vvv de tbo tbo t23c t23c t23c" marker (MC) TBO: Turkish Navy Izmir 2059 CW "vvv de Pagina 1128
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4XZ: Israeli Naval Haifa Israel 0318 CW w/ V marker (LVH)
8494.7 D: Russian Naval Odessa Ukraine 0213 CW single letter HF marker (LVH)
8551.6 CTP: NATO Lisbon Portugal 0152 CW w/ V marker (LVH)
8590 VTK: Indian Navy Tuticorin 1410 CW VVV VTK 3/4/5/6/7. (AI1)
8968 GHOST 21: 1740 USB tfc via McClellan, QSY 11181. (AB2) Reach 3670 1810 USB wkg Lajes, pp Lajes PMSV wx KSWF (Stewart, NY) 2100. (BH) MacCellan: 2158 USB w/ EAM Broadcast (CM) MacCellan: 0630 USB w/ 26 character EAM (P4YVJH....) PARK 53: unid 0253 USB w/ an "any station" call. (Dw2) Reach0229 2233 USB wkg Hickam pp to Hickam Metro req wx 0115z. (EG) NASA 931 UTC? USB wkg Lajes, believe this is KC-135 N931NA? (JD3) SHARK 12 1536 USB wkg MacCellan w/pp to LOBO. About an hour earlier SHARK 11 was up wkg ANDREWS w/pp to LOBO, w/Shark 11 id'ing himself as ex WACO w/ "certain passengers" ex "point of origin." & enrt to maybe MWCR. FOGCOUNT 1828 USB was up (simulcasting on 8968 & 15016) at 1825z, 1855z, 1925z, and 1955z w/ 60hcharacter EAM (IHN97....), taken from 1418z GHFS broadcast), 20-character EAM (RYGZKI..., taken from 1716z GHFS broadcast, and 20-character EAM (RYJVB4..., taken from 1803z GHFS broadcast, & "ignoring" a 26-character EAM broadcast at 1739z by ANDREWS. At 1934z TROUT 99 called MAINSAIL for a signal ck. At 1953z TALLCORN called MAINSAIL and raised ANDREWS. When ANDREWS asked TALLCORN to spell his callsign, he did not use phonetics, but instead "spelled" it out ("Tee Aay Ell Ell ...etc). INTERLUDE 1855 USB ("clattering" noise in the backgroud of his audio, similar to sound hrd on ANGRYMAN a couple of days earlier) w/ a 26-character EAM (FLYS47..) simulcast on 8968 & 15016 at 1855z & 1955z, w/the string first hrd on the GHFS at 1756z. At 1935z ANDREWS, as lead GHFS station, w/20-character EAM "FOR TACAMO PAC SECONDARY." Undid '88' 1858 USB (could not make out the callword) called SKYBIRD & raised THULE, requesting his "current msg traffic," "current msg traffic," a friendly request to the THULE opr for "the temperature there tonight." ANDREWS 0730 USB w/ a 26-character EAM at ANDREWS' post 0600z h+30 "repeat" EAM xmsn time, w/ the string taken from a 0633z GHFS transmission of same. Also hrd on 6712 as is normal, but not hrd on 11244. (propagation). NIGHTWATCH 02 1488 USB called MAINSAIL & raised MCCLELLAN for a pp to NIGHTWATCH 01, which was completed at 1914z: NW02 asked NW01 "to do a one-twelve" which was also described by NW01 as "the UIC one twelve net", but NW01 said that all his systems are down, and that his net is on Z170/Z175. At 1904z GASSR 92 worked LAJES w/pp to SEMINOLE OPS (he had one engine shut down due to low oil pressure indications). NIGHTWATCH 01 0339 USB called "any station" for a signal ck. At 0340z, WAGONBED responded to NIGHTWATCH 01's calls, but NIGHTWATCH 01 begged off, stating that he wanted to raise a ground station. No response, and gone. At 0548z, 5CH calling "any station this net" for a radio ck, w/ no response. At 0633z, E9P worked NIGHTWATCH 01 in to an "EXEC/(DSN #73)" for an "EXEC/(DSN #73)" call, w/ a datetime group sounding like 10#451, and a TOR from F1L of 100634. OFFUTT 0042 USB w/ an "all frequency request" for SNOOP 34. MCCLELLAN 2338 USB w/ a 20-character EAM "FOR TACAMO PAC PRIMARY", immediately followed by LAJES w/same EAM. (JH) REACH 0260 115 USB to Aviano (should have been Moron) and then Entebbe (JP2) Lajes, 0118 USB EAM "JNAL7U..." (Kw2) Rain 34, 0120 USB wkg Thule, very brief pp/ Raymond 37 & relay request info for Nordic Control eta 0330z -- I believe this is a U2/TR1 or SR71 A/C based upon the tactical callsign utilized & transmission sound. Count 45, 0121 USB wkg Thule, advised ops normal and QSY' back to 6761. LA 102 2331 USB wkg Lajes, pp DSN 433-XXXX "Golden Hawk/ w/ ops info. Reach 42958: 1825 USB wkg Lajes -- pp Lajes cmd post eta 2002z. Reach 5009: 2108 USB wkg Thule -- pp Dover cmd post eta 0030z, 17 pax, 45k cargo. Y32: 0054 USB wkg Thule --passed info for relay to drop zone coordinator. PTA 108: 2134 USB wkg Andrews pp PTA ops eta Andrews 2250z. SIERRA 88: 2209 USB wkg Andrews pp McCord ops w/ eta 2300Z (Kw2). SIDECAV 0606 USB wkg 9 ROMEO VICTOR on comms. (MF2) CHILL 12 0330 USB wkg Thule w/ pp to THERMOMETER passing msg: SAES3JCHILL12192000BCW. At 0342 clg FACEDROP (possibly via pp, no setup hrd). (MJ) REACH 534: 1522 USB being led around the spectrum by Thule before being lost (by me at least). They tried 9016, 8992, 6739 and back again. SPAR 67:1347 USB wkg Thule pp METAPHOR to get freqs - 7919 & 4770 (No chance of hearing them... Pagina 1129
here due heavy interference on both). OVA: 0955 USB wkg Lajes. pp commercial no. that Lajes has trouble w/. Then gets a Norfolk Navy base DSM which doesn't connect. Then gives up. TUSK 03 1405 USB wkg Thule. pp Moron Ops (DSN 722-8237/8391). '03 is at AR95 (44N 15W roughly 3 from an old log) w/ no sign of receiver. (PR) HERKY 412 1418 USB Lajes/Req.Metro-Told that wx for GMMX will improve overnight still low vis at overnight. (RD3)

9871 CARDFILE 71 ECHO 2215 USB clg Gulf 2 Papa repeatedly. no response hrd. CARDFILE 71 ECHO w/ good strong signal here in Long Island. (JC5) WAFER 741 1933 USB reporting ops normal to ZERO CHARLIE VICTOR. (MF2) FIGHTING TIGER: 751, (USN P-3C?) 1747 USB clg (screaming) A6K, A6K clg 751, later FIGHTING TIGER 752 relayed his tcf. FIGHTING TIGER: 720, (USN P-3C?) 1859 USB wkg 84C passing spare group msg. (RB) Wafer 741 2106 USB wkg 4ED. Wafer 741 passed "Spare Group 5 Time 2100 zulu" Net still active at 2123 w/ several players. (SF)

9874 Airforce Sydney 0012 USB wkg "Striker 436" an Orion P3C Marine surveillance a/c out of Edinburgh WA airbase. (AW )

9878 CAMSLANT, 2358 USB wkg CG Rescue 2112, flt ops normal posn rpt N25,36 W79,21. (KW2) SHARK 29: 1750 USB (maybe "Shocker 29" - but "Shark" may be more likely here) wkg CAMSLANT has lost comms w/ all except CAMSLANT and CG 1715. (PR) CG503: 1930 USB psn/rpt 2457n/7811w inbound Air Station Miami 3 POB. (RT2)

9888 EXECUTIVE-hFOXTROT 2035 USB w/Andrews VIP signal cks. (JH)

9892 NIGHTWATCH 01 0341 USB called "any station" w/no response and gone. (JH) MacDill, 0118 USB wkg JNAL7u..". A9Z: 1731 USB wkg MacDill -- pp Groton submarine base? for ops/supply coordination, shore station Id'd it as a submarine. Abez 1: 2138 USB wkg MacDill -- pp range control w/ no joy. SAM 201: 1222 USB wkg MacDill pp Andrews VIP re departure from Miami 1210Z VIP advised to QSY to "784" for direct comm (KW2). MacDill 1940 USB wkg multiple pp's for REACH 8509 to MacDill Ops,HILDA EAST & AMC meteo (8509 is a C-5 Tail#850009). (MF2) Portuguese AF 636: (no. ?) 1300 USB wkg UNID. REACH 167: 2145 USB wkg Ascension. pp HILDA EAST Completed refuel on AR96. REACH 534: 1140 USB wkg MacDill. pp to a DSN 698 no. sorting out air refuel w/ (Male 87). (PR)


9903 SENTRY 50 2349 USB worked TRENTON MILITARY w/pp to TINKER COMMAND POST "w/ traffic." (JH)

9904 ROGUE (sounds like) 09 1927 USB wkg RAYMOND 07 w/pp to ALTUS COMMAND POST. MEET 1 1821 USB wkg MEET 2 (or sounds like MEAT/MEET) in muffled voice comms. SENTRY 61 1815 USB called RAYMOND 07 for a signal ck w/no response. SENTRY 61 2337 USB called RAYMOND 7 for a signal ck. HAWK 84 2239 USB wkg RAYMOND 07 w/pp to DYESS wx. (JH)

9906 BOATDOCK (sounds like) 0042 USB wkg NIGHTWATCH 042 USN wkg NAILHOB 0024 USB called NIGHTWATCH 01. At 0406z, NAILHOB worked IMPURITY in voice & data. PANHURST 1707 USB worked NIGHTWATCH 01. At 2042z, NIGHTWATCH 01 worked GLASSWARE who entered the net. NIGHTWATCH 01 1730 USB w/an EAM broadcast. At 1732z, MUSCULAR called NIGHTWATCH 01 w/no response so he moved to Z135 (MUSCULAR active since at least 0703z, so I suspect he was trying to exit the net). DEERMEAT 0031 USB called NIGHTWATCH 01 w/no response. Also at 0043z & 0103z w/ no response. At 0206z DEERMEAT w/ a 26-character EAM (P44HGZ...), w/ a "clattering" noise and people shouting over the noise in his audio's background. ANDVT comms 1703 USB followed by station (female opr; presumed BLUECHIP), w/comment made to "contact me via WHISKY BRAVO 23". These comms followed by SHIPWRECK wkg BLUECHIP, w/ SHIPWRECK saying that he was asked by NIGHTWATCH 01 to inquire about BLUECHIP's msg datetime group 171640. At 2319z, STONEAGE worked NIGHTWATCH 01 & entered the net - by 0001z+, there was no callsign STONEAGE in the net. The net players were said to be BLUECHIP: SHIPWRECK: LONGBOAT (or LONGBOAT; "monitor only"); and STUDIOUS. "01" 1609 USB wkg "02" (possibly two a/c in the process of a handoff) worked each other. At 1633z, SPREADER called BLACKDOG (another long-lived call, active until 2359z; female opr). At 1635z, SPREADER to BLACKDOG: "Your handover will be coming over "broadcast". There is suddenly tons of "handover" chatter in these nets over many days. At 1637z, BLACKDOG called
WUNhv02

AUDIOKIT (another long-lived callsign; probable USN); raised same; and
into ANDVT comms. The nets suddenly have had more ANDVT comms between
the players on a continuing basis than in the past. At 1656z, HICKAM is
up on freq. At 1735z, VERIFIED (or maybe VERIFY) worked BLACKDOG. At
2003z, AUDIOKIT worked NIGHTWATCH 01, looking for DIGNITARY and any
other stations who have checked into the net recently - told REGISTER
(sounds like) at 1840z. At 2316z TICKTOCK worked NIGHTWATCH 01. FLATWARE
1522 USB worked NIGHTWATCH 01 and exits the net. At 1929z, MAYBERRY
called NIGHTWATCH 01. At 1949z, FURCOAT called COURTLAND. At 2331z,
RECKLESS worked MUSKETEER; comment made (something to the effect that
a msg is coming via..) "ZERO THREE ZERO "SEE" or maybe ZERO THREE
ZERO THREE WHISKEY BRAVO (maybe aka 303 WB, as in a channel designator)
in 10 mikes instead of CHARLIE ALPHA". (Via WB instead of HF 6691.)
MUSKETEER called NOTED at the completion of ANDVT comms w/ RECKLESS.
NIGHTWATCH 01 0503 USB worked MCCLELLAN, w/a "PATTERN 3" (conference
call connectivity ck), as some training for some MCCLELLAN
"trainees". The PATTERN 3 was conducted twice, w/ the first set of
Commands and what not consisting of 15 parties (the last 4 of which
were callsigns either active in the present NIGHTWATCH net, or wkg
the net in about 8-12 hours), and the second set consisting of only 12
parties (COMMAND CENTER was the only party plainly understood here;
everyone else was echoy and muffled to me). At 0512z, TESTKIT worked
NIGHTWATCH 01. TESTKIT was told that LIMERICK, ORIGINATE, and two
other calls were active in the net. At 0810z, VIGILANT worked
NIGHTWATCH 01 and entered the net. MCCLELLAN 0737 USB wkg HICKAM in
voice and data. Heavy GHFS to GHFS data day followed. At 1628z,
MCCLELLAN called MACDILL. CRABHOLE (spelled) 1819 USB worked
NIGHTWATCH 01, and enters the net. NIGHTWATCH 01 1828 USB worked WAR46
for a signal ck, and gone. Apparently, no players in the net at this
time. HICKAM 1833 USB wkg PACOM 01 w/pp's. At 1849z FIREANT called,
raised, but did not hear NIGHTWATCH 01. NIGHTWATCH 01 0203 USB called
SNOWPLOW. At 2028z, DUCKCALL worked NIGHTWATCH 01 and entered the net.
At 2047z, DUCKCALL worked TENACITY. At 2119z SNOWPLOW worked DUCKCALL
and exited the net through DUCKCALL (NIGHTWATCH 01 had gone monitor
only for 30 minutes.) DUCKCALL kept saying that SNOWPLOW was entering
the net. At 2311z, NIGHTWATCH 01 called and raised SNOWPLOW, but was
informed by SNOWPLOW that he had already left the net. (3H) NW01 1930
USB adv "just landed home station and will be off HF for approximately
1 and a half hours". (LK) WAR46 1943 USB checking in w/ NIGHTWATCH 01,
02. NIGHTWATCH 2110 USB going secure w/ POOLHALL on P-Z175. ANGRYMAN
2111 USB advising NIGHTWATCH he will be monitor only. NIGHTWATCH 2113
USB going secure w/ REPUDIATE. NIGHTWATCH 2121 USB advising POOLHALL
he has not hrd from FEARLESS since 1845. (MF2) McClellan 0440 USB
wkg NIGHTWATCH 01 w/request for a pattern 3 or pattern 6 to train two
operators. NIGHTWATCH replied he would have to check w/ 'Battle
Station Commander' to see if he can. McClellan first asked NW if he
did that sort of thing. he repiled yes. NIGHTWATCH asked McClellan to
call him LL on DSN 936-3525. (MG) NIGHTWATCH wkg McClellan w/ "Request
pattern 3 setup". They go thru authentication, same as checking into
net. McClellen asks for precedence this call, NIGHTWATCH replies
"Flash". Dial tone comes up followed by "105" in a female 'voice mail'
computer voice. Another voice, I'm not sure it was real, repeats "All
conferes stand by", NIGHTWATCH w/ "Communications Flash Test Call-all
stations report ?????( couldn't make it out). He then calls out in
order, STRATCOM, ACOM, UCOM (maybe EUROPE), CINCCOM, NORAD US SPACECOM,
COMMAND CENTER, PACIFIC, SPECIAL OPS, SOUTHCOM, TRANSCOM??, COGNIZANT,
YARDBIRD, BALLPEN, and CARPETBAG. All reply weak or barely readable.
NIGHTWATCH w/ "This terminates conference". McClellan wkg NIGHTWATCH,
trying to find out why all stations in Pattern 3 test answered w/ "weak
, readable". McClellan suggests maybe the conferes didn't know it was
coming over HF. NIGHTWATCH replays w/ "that's a first for me".
McClellan "Yeah, usually the TACAMO's handle it". Both stations w/
ANOTHER Pattern 3 test about 10 minutes later. Apparently McClellan
has two operators that need this test to complete some sort of training.
TESTKIT 0519 USB wkg NIGHTWATCH checking into net. LIMERICK, ORIGINATE,
NAMEBAKE, CARPETBAG also in net. No mention of YARDBIRD or BALLPEN from
Pattern 3 test above. Also no LIMERICK or NAMEBAKE stations polled in
test either. (MG) Nightwatch 01 2010 USB wkg Squadcar freq Z-175 (SF)
WUNhv02

9017 SAM 203 2138 USB clg Andrews -- no joy. (Kw2)
9019 RAID 15 0420 USB wkg PLANTATION for pp to NORDIC Control. After some time, PLANTATION advises that NORDIC Control is unable to transmit. RAID 15 informs PLANTATION that they must have a pp, a relay will not do....RAID must speak to someone at NORDIC Control in person. The PLANTATION signal was exceptionally strong into Long Island, while RAID was also loud and clear at my QTH. (JC5)
9023 GRIZZLY 07 1819 USB clg EAGLE CONTROL. TALLCOURSE (sounds like) 1527 USB clg/wkg REVETMENT for brief comms. DRAGNET VICTOR 2136 USB worked DEERHUNTER. BRANDY 1936 USB worked WGY950 w/a HOTEL msg (H221935).
9023 Typical next to last week of the month activity from these guys. OKIE SAM 1822 USB wkg BLUECRAB in clear and secure voice. DEERHUNTER 2239 USB worked DARKSTAR MIKE. (JH) BRANDY:1704 USB. calling MICROFILM BRANDY w/ a very good signal in Central KY From a previous logging AXLEROD operator now identifying as DARKSTAR MIKE. AXLEROD: 1644 USB calling MICROFILM (not hrd) w/ a H221640 msg.
hrd earlier about SAM 417 flying in "non-stop." Apparently, SAM 417 will be refueled in-flight. (JJ)

11059
SAM 403 1805 USB wkg Hickam p/p CASINO ROYAL. REACH 07RC 2145 USB (tail 638086) wkg Hickam w/pp McCord AFB. (AB2) SOONR31 1944 USB failed attempt pp. SERN078 1945 USB wkg Andrews pp to GUNRUNNER. SOONR31 1947 USB wkg Andrews pp to Barksdale AFB 781 3226. Operations at Barksdale was told ETA is 2125 requesting 20,000 lbs fuel & sleep? service. requesting an unid item be there at 2100 and wants Barksdale to confirm. JOHN BULL 1954 USB wkg Offutt, said something about freq's for NIGHTWATCH. The freqs were 211, 180. CARMEN(EIGHT?) 1956 USB wkg Offutt and requested pp. Offutt made pp somewhere for them. They requested WX info for (ILG?), Delaware, got observations @ Wilmington. Unid USB 1958. (VAT____) wkg Offutt pp to unid. Told the party they were airborne and ETA 2230 ask if the wx was getting -better- and were given a wx report. Said they would be A3 when returned & were warned that runways were wet. EVAC416 2019 USB called Mainsail and received no reply. REACH202 2019 USB called Ascension for radio ck. EVAC416 2023 USB called Mainsail and received no reply. Unid 2031 USB requested pp w/ GUNRUNNER. REACH 4502 2048 USB wkg Offutt req pp and was covered by another station.(AR) Navy GF21 2048 USB clg Mainsail no joy. Herky 100: C-130, Ramstein 1056 USB clg Mainsail Incirlik responds, no joy, -> 13016 -> 13200 -> 11175 (Croughton) pp DSN 480-2121 (Ramstein Command Post): dep 11014, the squadron is closed till midnight due to thanksgiving day). Reach 11T4: C-141B, 66-0162 1105 USB wkg Incirlik pp Ramstein AMCC: tailnr 60162, mission nr AQB20T2, etbRamstein 1330, A1, paax & payload info over UHF closerin. pp Ramstein PMSV, no pirep. Navy LF16T-P-3, VP-16 1111 USB clg Mainsail -> 11244 (Incirlik) pp DSN 624-6797 (referred to Incirlik as "my unit", party was called CONTRON DUTY or something on the patch). dep out of France late due to maintenance, eta on deck Sigonella 1+00 from now, ensure all parties notified. SAM 26000: C-137, 89th AW 1114 USB clg Mainsail no joy, 1132 wkg Incirlik on 11244 pp DSN 314-626-5235 (Naples base ops): DV2 + 9, eta Naples 1340z, req. 45K fuel upload, servicing, water, latrine service, 150 lbs wet ice on departure. Parking on the VIP stand directly in front of the air terminal. Runway in use: 24. Reach 109: C-141B, 66-0162 1135 USB wkg Croughton pp Hilda East: dep GMSL (Sidi Slimane, Morocco) 1100, mission nr AMXF109AE334 (how's that for a short mission nr?), tailnr 60162, eta Ramstein 1435. pp Ramstein PMSV wx Ramstein 1130 A3, Mildenhall 1144, Frankfurt 1145, Malmedy 1144, Ramstein (bad wx in Germany, snow and bad viz). Pirep: C-141 3711n 00354w fl350. Note: this is the same a/c which flew Reach 11T4 yesterday. IFO 16: USAF, IFOR mission 1156 USB wkg Incirlik pp Ramstein Command Post, DSN 480-2121: stuck at Sarajevo due to bad visibility and heavy snow, no deicing available. Suggestion from CP: sweep the snow off the wings. closing down, call again via landline. The outboard engine makes this a 4 engine plane, which is not that much help in identifying an AMC A/C. IFO 60:C-130, USAF, IFOR 1205 USB wkg Croughton pp Ramstein PMSV, DSN 480-7015 for wx Ramstein 1330. Pirep: C-130 47.28n 014.49e fl180 vis 100 NM(!), posn is 80 NM ESE Salzburg. Reach 0082 2013 USB Ascension pp Dover command post, Dover metro IFO 04 1446 USB Mainsail (USAF, IFOR) no joy. Rhet 99 1446 USB Mainsail no joy. Navy WU521 1251 USB Incirlik pp DSN 624-4971 (Duty Office). DSN 624 = Sigonella): from 9FR spare group 02 (distorted). Herky 58 1257 USB Incirlik (C-130) pp DSN 480-2121 (Ramstein CP): eta 1445, A1, 16 pax + loose baggage, need fleet service, Pax transportation. FLC 94 1328 USB Incirlik also pronounced c/s as 'Flightcheck', FAA a/c? pp CONUS DSN 940-2819 ("Oak City"): on the ground, problem w/ a clearance for Oman due to a fax-machine inop. Fax nr. given. 6QS 1330 USB Croughton clg both Croughton and Skyking,
WUN-v02

no joy Reach 1819 (C-141B, 64-0621) 1333 USB to Incirlik when they said 1819 was weak readable: "turn your antenna to the Ukraine" pp

Hilda East: tailnr. 40621, on the ground UKBB (Kiev?) w/ a downloading problem (handling equipment), next station EYVI (Vilnius) is open

daylight only, unable to make that in daylight, request why they're not open after sunset. Later: visa needed to RON in UKBB, crew has no dep

LUKK 1050, arr UKBB 1150. What's LUKK? Lion(?) 81 1335 USB wkg Offut a/c wk, pp .... ops: 50% video lock, eta 1330 local. Navy AH930 1350

USB wkg Incirlik pp DSN 624-5121 (duty office "7TW"): spare group 03. See the earlier Navy WU521, the DSN nr. changed 1 digit, probably my

mistake. Navy 50496 1401 USB wkg Offut (VP-3A) pp Andrews Presidential Airways, lost them on 875: -> 505 (9006, thanks to the designator list!)

pp DSN-564-xxxx: eta on time, everyone notified, need fuel truck, fleet service. pp Norfolk PMSV, wx Norfolk 1700. Refix(?).13 1401 USB clg

Mainsail no joy. unidh64 1404 USB has Quid 11 loud and clear. FOOT 19:

Callsign was spelled and type acft. C-130 1818 USB w/ Offutt relaying info to Nellis AFB, NV Base Ops. Request 9000 lbs upload. dep

from Randolph AFB, TX and then will be going to Hulburt Field, FL PPR 

# 321311TA. (I have no record of FOOT callsign. Any ideas?) WITC 93:

Callsign was spelled and type acft. C-130 1856 USB w/ Offutt p/p DSN 747-8693 (Rapid City Reg.Arpt.SD) concerning snow removal and wx. ETA

2037z (My records show callsign is from 175th Wing, Baltimore, MD) Callsign unreadable (C-130 Acft.) 1915 USB w/ Offutt requesting PPR 

for landing at Columbus (Unknown if Columbus, OH or Columbus AFB, MS) crew member has a family crisis and needs to return to Milwaukee ASAP.

A/C was on tactical mission and requested 10,000 lbs upload. Offutt relayed from Columbus Base Ops PPR # 16-07. BONE 21: 28th BW Ellsworth

AFB, SD B-1B acft, Callsign spelled 1918 USB calling MAINSAIL. Elmendorf answered and told BONE 21 to standby. At 1924z Elmendorf attempted to

contact BONE 21. No answer. REACH 149 C-141B 1903 USB pp w/ McClellan Metro for KSUU (Travis AFB, CA) WX. PIREP FL 39.0 posn 39 North 104

West (That puts him about 70 miles southeast of Denver, CO) CARMEN 3:

Callsign was spelled and type acft. C-130 2330 USB w/ Hickam Global p/p DSN 924-9416 (Salt Lake City IAP, UT) UTAH CONTROL (ANG 151st ARW

CP). ETA 0215 dep Howard AB, Panama req. customs & Ag for 14 Pax and a crew of 7. Running late because of head winds of 100 plus knots near Houston, TX. (I have no record of CARMEN callsign. Any Ideas?)

PETER 40: Callsign Spelled 0102 USB calling for Offutt on 8968 first. No answer. then he went to 1175 and tried MAINSAIL w/ still no

answer. Hickam radio was busy w/ REACH tfc and must have never hrd PETER 40. (Once again I have no record of PETER callsign.) Raider

29: VMR 352 C-130 acft 1933 USB w/ Elmendorf p/p to McChord Inflt. Kitchen w/ a order for 7 crew meals (Turkey on Sourdough) upon arrival

at McChord AFB, WA. This was one lengthy discussion w/ Kitchen. (BH3) OPENKIES 12T: 1100 USB wkg Croughton (only part of transmission couldn't

be heard). HERKEY 46: 1100 USB clg Croughton. SPAR 51: 1119 USB clg Incirlik w/rdo ck. IFO 12: 1343 USB wkg Croughton w/ pp --- ops est 1700 local, no.2 oil pressure problem.

G.A.F. 346: 1407 USB clg Andrews, no joy. CANFORCE 2937: 1114 USB clg Croughton, nothing hrd so chg freq to 17976, no joy (CH) GOPHER01:

2104 w/ Offutt pp to base ops? Status is A1; they will be offloaded tomorrow; nobody will be meeting them on the ramp. (CR) RAVEN 46 2136

USB wkg Elmendorf AFB for pp to Unid command post. (DW2) NIGHTHAWK-61 2347 USB wkg MacDill for pp to 0-D-O (spelled out). NIGHTHAWK-61

stated he was 12 minutes out & req wx for Quantico. (EC) Turbo28 2309 USB clg Reach?. Hickam 2238 USB clg COBRA05 tanker ops online, Capt

Cox at Offutt tanker cancelled, wx 0200Z Hickam alt Kona, cross winds and t-storms at Hickam. Reach0259 2247 USB clg McClellan, McClellan ans

but neg contact. NAVY IJ767 2237 USB clg Elmendorf req pp DSN 827-4592. McDIll 2255 USB wkg Reach0602 (not hrd). Andrews 2245 USB w/ all

freq req for Reach709 (no resp hrd). ASPEN33 2230 USB wkg Elmendorf for radio ck. OMNI361 (English accent)2244 USB clg Elmendorf est

McChord 0015z req pp McChord CP Pirep 707 a/c type. NAVY IJ767 2243 USB clg Mainsail "w/ tfc to pass from Z7G, pp to duty office" "7ZG reporting Ops normal, QSL time 22:45" (I'm pretty sure he said Z7G once, and 7ZG the second time). SHADOW65 2231 USB clg Mainsail, McDIll ans, req pp Offutt metro, told to move to 15016. SHADOW65 2235 USB wkg McDIll, pp to Offutt Metro, 0130Z wx req. Reach0241 2246 USB

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clg Mainsail (no ans hrd). Hickam 2309 USB wkg Reach0140 (not hrd). Reach6P7 2306 USB clg Mainsail, ans by Hickam, radio cks. BELTLOOP 2308 USB clg McClellan (no resp hrd). Hickam 2358 USB wkg Reach0077 (not hrd). (EG) Incirlik UTC? USB w/20 character EAM "For region Alpha" starting w/"RYHN55....". (GD3) Air Force 2 0107 USB wkg Ascension w/pp to 423 DSN w/female op on AF2 requesting that Ascension call and "let them know we're almost there...estimating blocks @0115 Zulu." (HB) AF2C 1755 USB worked MCCLELLAN w/pp to a DSN 942 number, id'd as FIDDLE (maybe MIKE MIKE FIDDLE or somesuch), passing info about a "spare" (or sounds like) group for PELICAN 11. At 1939z TROUT 99 called MAINSAIL & raised OFFUTT, w/pp to ANDREWS wx. At 1949z OFFUTT worked ADJUSTMENT for a signal ck. At 2002z, PACOM 01 worked HICKAM. ASCENSION 1854 USB worked ARIA ONE. At 2037z ALLIGATOR worked MCCLELLAN & set up data comms - she was going to perform them here until MCCLELLAN hurriedly moved her to 11181. CODER 65 1436 USB called SKYBIRD & raised MACDILL for a signal ck. At 1441z ATRA 41 (sounds like) worked MACDILL w/pp to MUDBUG CONTROL, re activity at 38N 87W and a warning to "watch for A/C carriers in your vicinity." At 1541z, MCCLELLAN was up w/a 26-character EAM, at the end of which STINGBEE called & raised MCCLELLAN for NIGHTWATCH 01 wkg freqs. After a few long minutes later, MCCLELLAN popped up and asked STINGBEE for NIGHTWATCH's DSN number. STINGBEE did not have it; thanked MCCLELLAN for his work; signed off w/ MCCLELLAN; & called raised MACDILL. STINGBEE asked MACDILL for NIGHTWATCH 01's wkg freqs. Many minutes passed; STINGBEE called and raised MACDILL & reminded him that he needed NIGHTWATCH 01 wkg freqs. MACDILL advised STINGBEE that he was unable to raise NIGHTWATCH 01. At 1557z, STINGBEE called SURPRISE w/ no response. PACOM 01 0714 USB wkg HICKAM w/pp to a party that sounded like FUJI CONTROL; then w/pp to YOKOTA w/20w-20D4P 42 1511 USB called MAINSAIL for a radio ck. CODY 01 (self-id'd C130) 1634 USB worked OFFUTT w/pp to a DSN 975 number, w/ CODY 01 ent to WHITEMAN to pick up an A-10 engine, & told that he will be getting 2 not 1. At 1754z, NC9E called MAINSAIL & raised ALBROOK w/pp to a now common DSN 942 number (Jacksonville, Fl). At 1856z, NC9E worked OFFUTT w/a pp to a DSN 942 number and passed a "contact report" regarding the Sulphur Enterprise. There has suddenly been heavy P3 activity of this type on 11175. At 1902z, S4J2 worked OFFUTT w/pp to KELLY wx. NIGHTWATCH 01 1718 USB called MAINSAIL & raised MACDILL, w/pp to WRIGHT PATTERSON wx, for arrival wx at 1810z. At 1824z, LOOK 76 called MAINSAIL w/ no response. At 1943z, IAF 009 wkg MACDILL w/pp to an unid location (I missed the first part, but I suspect it was PETERSON Colorado) apparently req permission to make an approach to the airport. He was firmly refused (told no more than once), which I think ticked him off; as he politely but abruptly ended the patch and left the freq, w/ MACDILL left "hanging". At 1946z, ALOMA 05 called MAINSAIL. WAFFER 71A (sounds like) 1709 USB wkg BLUESTAR MACDILL w/pp to BBMIBARAC 1755USB REC 1 & 2, w/switching his "comm guard to "R" FREDDIE" (or sounds like). OFFUTT 2034 USB as lead GHFS station, w/ 20-character EAMS "FOR HAWK EYE FORCE" at 2033z, 2047z, and 2055z. One hour later, OFFUTT was up w/20-character EAMS "FOR HUSKER FORCE" (sounds like Saturday afternoon U.S. football mascots) at 2133z, 2147z, and 2155z. MUDBUG 01 1605 USB called NIGHTWATCH 01 w/no response. At 1605z MUDBUG 01 called "any station" for a radio ck, eventually raising ALBROOK and ANDREWS, w/each opr showing some "snap" in trying to work this station. At 1607z, NIGHTWATCH 01 called MUDBUG 01, followed at 1608z w/MUDBUG 01 calling "any station". OVERTONE 0648 USB called MAINSAIL; raised but did not respond to ASCENSION; and raised MACDILL, w/a pp to a common DSN 339 number (2 extensions) associated w/BOOMTOWN, who he initially id'd as EVANS (static call, maybe their WB posn or whatever). OVERTONE requested "rephase W-tac"; then "request wideband asap, over. CHILL 12 1950 USB wkg GHFS station w/pp. SAM 375 2026 USB worked ASCENSION and MACDILL for pp's. At 2026z, RAZOR 02 called MAINSAIL. At 2034z, OFFUTT w/ 120-character EAM, w/apparent repeating pattern near the end of the string. KIWI 898 1734 USB wkg OFFUTT re arrival info at San Diego. TIGER 24 0641 USB worked MCCLELLAN, w/pp to RAYMOND 37 (DYESS CP) w/ billeting chatter. RAID 15 0125 USB wkg MCCLELLAN w/pp to NORDIC CONTROL/GOLD DO, and advised that RAID 15 was orbiting south of HURLBURT and had boom problems. KEYHOLE 1431 USB called YOKOTA,
but raised OFFUTT. He thanked OFFUTT, but told him he wanted YOKOTA.

At 1548z, QUEBECK ZERO ECHO called SKYBIRD just after a FOXTROT broadcast on the GHFS. No response. At 1615z, SNOOP 39 called MAINSAIL, raised OFFUTT. He thanked OFFUTT, but told him he wanted YOKOTA.

At 1548z, QUEBECK ZERO ECHO called SKYBIRD just after a FOXTROT broadcast on the GHFS. No response. At 1615z, SNOOP 39 called MAINSAIL, raised OFFUTT, and placed a pp to DAVIS MONTHAN. BLAY 80 (spelled) 1853 USB worked OFFUTT w/pp to ALTUS CP for a GASER ## still on the ground.

TRILLION 0202 USB worked ANDREWS (who he misspelled as LAJES) for NIGHTWATCH wkg freqs: Z165/Z175. At 0640z, TIGER 44 worked Mcclellan w/pp to RAYMOND 33. (JH) IAF009: 1958 USB R/C w/ Andrews. Italian AF 2148: 2003Z USB P/P via Andrews for Nellis AFB wj. (JP)

REACH S109 1330 USB from Mc Connell, over the Gander area. REACH S103 tail 90533,1530 USB from Moron to Frankfurt, empty (JP2) Shark 89, 2246 USB wkg Albrook, pp Lobo w/metro wx Howard 23002. Beach 72, 0011 USB wkg MacDill, pp Altus CP for confirmation of refueling track— self ID'd as acft from 92 Air Refueling Wing Fairchild AFB (WA). Romelad, 0012 USB wkg Hickam, rdo ck loud & clear. Reach 084, 2335 USB wkg MacDill, pp metro wx for Mt Home & McChord AFB's. Flindin 2136 USB wkg MacDill, req passing of data tcf advised QSY 13242 (were not hrd by either). Flindin 2142 USB MacDill -- QSY 11181 for data tcf. LC

REACH 31AE 1215 USB wkg Andrews. pp HILDA East. Delayed out of Lakenheath "heading to Morocco TALCE at GMSL" GMSL (Sidi Slimane ?, Morocco) is about 15NM from Rabat/Sale field. OLIVE 40 1430 USB wkg Mcclellan. pp Offutt CP. Metro and someone else. eta Offutt 1730. TSI 1340 USB cIg Incirlik for 5 mins previously gets Croughton for pp COMSUBLANT CWO (on DSN 564-6442). Exercise Esteem Highly Alpha tcf.

Reach 08x3: 1140 USB wkg Croughton. pp Hilda East,Hilda .tail no. is 50102 C-17A from Keflavik to Bonn. FLIGHT-CHECK 94 1430 USB wkg Incirlik. I missed their dest. but they said they wanted to go into Rabat, Morocco very soon. Also called as "November 94".Assumed to be an FAA C-29A (N94 !), from both callsigns. REACH 111 1331 USB wkg Incirlik. pp HILDA East trying to sort out an RON site after going thru at least 3 Moroccan airfields (Casablanca, Marakech and Ben Guirir to drop off cargo/pax) and confusing HILDA a bit. BUTYL: 1508 USB wkg Ascension. Ops normal msg for relay to Croughton or "CTF 67" (Com. Pagina 1136
Task Force 67?? (PR) SHARK 83 2342 USB wkg LOBO PP via Albrook. (PS3)

TITAN 19: C-130 Cherry Point? 1753 USB wkg Andrews GHFS w/pp Westover CP, ETA 1900z needs customs & agg. Navy LA057: P-3C of VP-5 "Mad Foxes" NAS Jacksonville, FL 1604 USB wkg Offutt GHFS w/pp re status of DASH 1, 2, & 3 (est 20 mins before they will be off the deck). Navy LD340: P-3C, VP-10 Red Lancers, NAS Brunswick 1608 USB wkg Offutt w/radio ck. Navy AF2C: EA-6B VAQ-209 1609 USB wkg Offutt GHFS w/pp FIDDLE, passes "op's normal" msg. I'd guess it was an E-6B (AF-62x) from VAQ-209 "Star Warriors", although AF-6xx calls are E-2C's from VAW-78. Navy NK603: EA-6B or E-2C 1701 USB clg main sail for radio ck, cud either be a EA-6B of VAQ199 "Cougars" or a E-2C of VAW113 "BlackHawks". Navy WV401: C-130T of VR-53 at Martinsburg Va. 1735 USB w/pp via McClellan to 871 DSN (Op's), passes cargo info. TITAN 19: C-130 Cherry Point? 1753 USB wkg Andrews GHFS w/pp Westover CP. ETA 1900z needs customs & agg. ATON 002: unid a/c 2206 USB wkg MacDill GHFS w/pp 431 DSN, arrived TVSV 1915z, dep TVSV 2130z, ETA Rosy Roads of 2320z. Navy LA052: P-3C of VP-5 "Mad Foxes", NAS Jacksonville, FL 2231 USB wkg McClellan GHFS w/radio ck. (RB) IFOR04 1410 USB Incirlik/p/p to RamC Vicenza . Told Kingfish V to co-ordinate w/ Rhein Main AMCC if no pass or cargo and ck w/ Kingfish C. If so then re-frag(?) payload to terminate mission. Navy XY321 1413 USB clg main sail Called several times - no answer. (RD3) Royal Navy 393: 2108 USB a/c eta Key West Fl 2340z & to take on fuel. (RT2) 20W7: 0921 USB wkg Ascension w/ a PP to Hilda. We ETA Blocks LWOH at 1130 we are A1 w/ 30000 lbs of cargo. We have 5 pallets to offload. He was advised that he had become weak unreadable & to change to 15016. TERROR 19 (Spelt Phonetically on air) 1604 USB wkg Croughton w/ PP to DICTATE for satcom frequencies. Given 397.450 up & 263.850 down. Was advised that these were clear or Secure. TERROR 19 also wanted confirmation that DICTATE was on at 124.525 & Uniform of 236.0. DICTATE confirmed & stated these were also either clear or secure. DICTATE then advised TERROR 19 that there was a Hotel Fox freq of 8.972 & again it was "either way". TERROR 19 then wanted confirmation that he had clearance to transmit TURKISH airspace. DICTATE couldn't advise so it went quiet for a few mins until SHADOW 1 came up & told TERROR 19 that he should have done this before departing RHODA. (prob ROTA, SP) He had but was just checking-in 30 mins before crossing "the line". All was OK & Diplom clear & Secure. TERROR 19 then wanted confirmation that he had clearance to transit TURKISH airspace. DICTATE couldn't advise so it went quiet for a few mins until SHADOW 1 came up & told TERROR 19 that he should have done this before departing RHODA. (prob ROTA, SP) He had but was just checking-in 30 mins before crossing "the line". All was OK & Diplom clear & Secure. DICTATE couldn't advise so it went quiet for a few mins until SHADOW 1 came up & told TERROR 19 that he should have done this before departing RHODA.

(OPS 5743 (sounded like) 0145 USB clg Juliette (?) Tango. At 1840 (Papa?)60 clg Papa Juliette Kilo repeated. (JC5) This would probably be 3WT - Norwegian Navy, Stavanger, Norway, posts over WUN indicated the 5743 was probably a Norwegian Navy Sea King out of Bodo, Norway. The "60" calling PJK surely wanted 11178 we think! - LOGS)

11180

(OPS 5743 (sounded like) 0145 USB clg Juliette (?) Tango. At 1840 (Papa?)60 clg Papa Juliette Kilo repeated. (JC5) This would probably be 3WT - Norwegian Navy, Stavanger, Norway, posts over WUN indicated the 5743 was probably a Norwegian Navy Sea King out of Bodo, Norway. The "60" calling PJK surely wanted 11178 we think! - LOGS)
change in orders (from Frankfurt). (PR)

RAFTMAN 1547 USB worked BOOMTOWN. OVERTONE 0235 USB worked unid. (JH)

Ascot 5041: Hercules, RAF 2041 USB clg Architect no joy. Architect 1103 USB w/pressure settings for RAF fields (MB3)

Trenton Military 1400 USB clg Darkstar November w/ no response hrds. (PR) BANDSAW HOTEL: ART (E-3 AWACS) 1625 USB (ART = Aerial Radar Technician) wkg Trenton Military w/pp RAYMOND 24 (Tinker AFB) 'Radar Maint', after, BANDSAW HOTEL MCC (Mission Crew Commander/Coordinator) wkg same re mission options. (RB)

BAYONNE 1919 USB w/pp for NIGHTWATCH 01 to 1852. (MF2) German AF 219 1228 USB wkg DHO23 then DHM91 for wx at Keeflavik and Reykjavik. GermanAF 079 1350 USB wkg DHM91 (GAF Munster). Just dep Keeflavik. (PR) Bayonne Global: Bayonne, NY 1704 USB Military Traffic Management Center, Command Emergency Comms Center, Bayonne, NJ, wkg RAIDER 48 w/att pp to Dobbins AFB CP. QSY 15016. (RB)

Unid Asian phone net 0630 USB. Bad interference to USAF. (AW) SAM049 2254 USB wkg Andrews pp to Travis Metro 837-5549 0145 wx. Nightwatch01 2256 USB clg Andrews "on secondary" for comm ck, aft no ans SAM049 resp "Andrews is busy w/ a pp", no ans by NW (EG) ANDREWS 1923 USB worked SAM 202 w/pp's re SAM 202's crypto gear. SAM 049 1950 USB worked ANDREWS w/pp's. (JH) PACOM 01 1708 USB DV 2 + 6, dep Miramar NAS 1721z, ETA Hickam AFB: 2305z, wkg Andrews VIP. SAM 26000 1830 USB wkg Andrews VIP for signal chks and VIP pps. SAM 201 2255 USB wkg NAVY 511 & Andrews VIP. PACOM 01 1708 USB DV 2 + 6, dep Miramar NAS 1721z, ETA Hickam AFB: 2305z, wkg Andrews VIP. (JH)

IFO 14: 1445 USB wkg Andrews pp Marine Guard. Belgrade to ck on security for visit. At end of pp Andrews calls "SPAR 63" on their secondary freq - '63 not hrd here. SPAR 63 1357 USB wkg Andrews. Relay of msg from Ramstein CP. TROUT 99 1241 USB wkg Andrews VIP for pp's. (PR) SAM 049 1946 USB wkg ANDREWS VIP dep 1935Z ETA 0115Z (apparently to Reno NV from ???). Placed one patch to a Washington-DC area commercial number. SAM 049 2148 USB wkg ANDREWS VIP w/ occasional p/p tfc. In a patch to his mother somebody on the flight deck confirmed the destination is Hawaii. NIGHTWATCH 01 2148 USB on freq just after the patch to chat w/ 049. Evidently both aircraft are on their way to Hawaii to support the President's visit. One a/c op asked the other "Are you up on ALE?" "Roger scanning 3 and 5" (RJL)

SAM 204 1809 USB wkg Andrews VIP for signal chks and pp to Command Post. SAM 403 2250 USB w/ Andrews VIP w/ signal cks. (JH)

RAGTIME 1741 USB worked NOTED. NIGHTWATCH net was using this as a primary freq. At 1753z, CHALICE DELTA called & raised NIGHTWATCH 01 for some signal cks. At 1923z RAGTIME worked WOODWORK. CRABHOLE 1821 USB worked NIGHTWATCH 01. (JH) SAM 27000 0605 USB wkg Andrews VIP for a pp. (Very weak, but it sounded like the call was directed to Manila.) Then advised Andrews that they were shutting down until (again, very weak but sounded like) 0920z. And at that time they'll be back up on F-823 (this freq). (JH)

CFC 2942 1125 USB Trenton Military wx Mildenhall + more. pp .... Ops: eta Lyneham 1305, probably have to make a wx divert, contact Lyneham Ops when approaching to arrange diversion and handling. Brize Norton mentioned as well. ASCOT2824: 1524 USB wkg Trenton Military requesting wx for Greenwood. (CM) AF1: USB w/Anderson Military requesting WX for PANC (ANCHORAGE, AK) .primary/.missed secondary/etc etc (DT2) Canforce? 2243 USB wkg Trenton Military for wx (EG) Trenton military 1953 USB w/pp for FOXTROT GULF 51 to unid. Trenton Military 1940 USB w/pp for 2953 to Trenton Ops. (MF2) CFC 2948: 1305 USB wkg Trenton Mil, Lyneham to Trenton. Selcal GH-AJ - Canadian Herc half way home. (PR)

Airforce Townsville 0739 USB wkg "Striker 447"This is an Orion P3C Marine surveillance a/c out of Edinburgh WA. (AW) PATROL 06: 1203 USB wkg UNID, EE poss. German accent. posn report : 52.24N 017.25E @ 0000z, 1e. over Poland. (PR)

ANDREWS 2128 USB as lead GHFS station, w/ a 104-character EAM (IHXM0Q...). ALLIGATOR 2252 USB w/ a 26-character EAM simulcast on 11244 & 6739. GLASSWARE 2017 USB called ANDREWS but raised THULE for NIGHTWATCH 01 wkg freqs. MCCLELLAN 1403 USB as lead GHFS station w/ 63-character EAM "FOR USS MINNEAPOLIS AND ST-PAUL" (E4GFMJ...). OFFUTT 1847 USB worked GERANIUM. At 2343z, FGOCOUNT called MACDILL and raised MCCLELLAN, w/pp request for NIGHTWATCH 01. At 2346z, MCCLELLAN as
lead GHFS station w/ a 26-character EAM (P4SXUG...). At the completion of the xmsn, FOGCOUNT popped up and told MCCLELLAN that he did not get a good copy of the tfc, & req a readback. MCCLELLAN was immediately (2351z) back up as lead GHFS station w/ a 20-character EAM (P4H6TW...), followed immediately by FOGCOUNT raising MCCLELLAN and asking for a repeat of the P4SXUG string, which MCCLELLAN provides in one readthrough. At 2357z, FOGCOUNT worked MCCLELLAN w/pp to NIGHTWATCH 01 and tells NIGHTWATCH 01 that FOGCOUNT had no joy in raising NW01 on Z150, and asked NIGHTWATCH 01 to enter him into the net via the patch. NIGHTWATCH 01 begs off and tells him to try the wkg freqs again in 30 minutes (at 0030z, a station called NIGHTWATCH 01, but it went under the callsign DEERMAT.) LONGBOAT 2127 USB called & worked THULE for a pp. OFFUTT 1944 USB as lead GHFS station, w/ a 26-character EAM "FOR TACAMO PAC SECONDARY CREW." (JH) SNOOPSS 1102 USB clg "GOODPOST (?) CONTROL" w/ no response. Soon after picked up Incirlik for pp to DSN 222-4632/3 - referred to as "Mission Control" Believed to be heading to Offutt. SNOOP 56 1112 USB wkg Thule. pp Banter Control (Mildenhall).


Danish AF 609: (no. ?)1325 USB wkg an UNID Danish station for what sounded like wx at Aalborg and Vaerlose and others.(PR)

11246 IFZ 50: 1220 USB wkg Architect w/ selcal ck AK-CM. (British accent but I thought IFN were Bosnia callsigns for UK?) (CH) ASCOT 5967: 1229 USB wkg Cypriot Flt Watch. enrt Lyneham. 15E at 1600z, Lyneham at 0000z. selcal ck AH-KL (CH) Architect (RAF Upavon) wkg <missed it>4789 for sel-cal ck AK-BG. Architect 1240 USB wkg Ascot 4333, passing ??? WX. Architect 1253 USB wkg RAF/IC19 (unhrd here). Architect 1255 USB wkg Ascot 4331, posn 15E@12:40, ETA EGXW 15:55, selcall AH-GH (MB3) Gibraltar 0954 USB clg X6K for radio ck. ASCOT 3420: 1534 USB wkg Cypriot. To HKJK somewhere.Selcal LM-DG, RAF Tristar. ASCOT 2539: 1545 USB wkg Cyprus, Akrotiri to Hanover, req wx. Selcal EG-AJ, RAF VC-10. ASCOT 2010 1223 USB wkg ARCHITECT msg relay to Cyprus eta RAF Akrotiri 1400 + req wx Selcal CF-DE RAF VC-10 CIK XV106. (PR) ASCOT 5324 1237 USB wkg Cyprus. Selcal AK-BE. A RAF Hercules (XV223) going to Adana (Turkey). ASCOT 5229 1157 USB wkg Cypriot Flight Watch for a failed pp to Akrotiri Ops. Heading into Akrotiri then back to Lyneham. ASCOT5241: 1615 USB wkg ARCHITECT eta Prestwick 1910 for relay K.pp ASCOT Ops to ask who is handling a/c at Prestwick.Selcal AJ-LM - RAF Hercules C3 XV221. (RD3)

11413 AF-2 2205 USB enroute to Andrews AFB, ETA 0055z. 6989 sec. (AH2)

11440 ANDREWS 1543 USB worked SAM 974, & then called "50511" (NAVY 50511.) (JH) SAM 26000 0245 USB DV 2 + 17, enrt to Vietnam, via Elmdendorf/Yokota, wkg in progress. SAM 049 0015 USB wkg Andrews VIP for an attempted pp to McChord Metro. Andrews relayed back to 049 that McChord Metro, in effect, blew-them-off and told 049 to call someone else. EXECUTIVE-1-FOXTROT 1755 USB wkg Andrews VIP re: landing gear light. (JJ) Andrews 1922 USB w/pp for SPARKS 67,also provided some DSN# 978-4888 DSNAndrews billeting, 978-8088 DSN#Andrews Ops. (MF2)

11466 PACAF 01 1600 USB wkg Andrews VIP "for a better freq." (JJ)

11480 SHAZAM: AM wkg ROADRUNNER w/ ARP. 17 (PS)

11500 WGY901 1805 USB called DAYDREAM and passed a HOTEL msg in the blind. Also APPLESAUCE called A. (could not make it out.) Active callwords in this monthly activity appear to start w/ the letter "A" (Army?). At 1902z, WGY913 (probably via WGY912) called SNOWBALL. CORONADA 1651 USB called AXEL ROD, w/ no response. NIGHTWATCH 01 1832 USB worked UPPERCUT in voice and data. At 1858z, NIGHTWATCH 01 worked VARIABLE. At 1902z, NIGHTWATCH 01 worked UNWANTED. At 1926z, VARIABLE worked NIGHTWATCH 01 and exited the net. COLORBAR 1832 USB worked FIREANT. At 1837z, FIREANT worked NIGHTWATCH 01 & entered the net through the challenge process. At 1847z, CORRUGATE worked NIGHTWATCH 01 and entered the net. (JH) Service Center 1918 USB calling 203 in the clear,then went green. UNID 1936 USB being given the go ahead to proceed to March, AFB via route of their choosing (weak),second party said he would be on 340. (MF2)

11634 Ascension GHFS: Ascension Isl 0238 USB att to work U9J, no joy, QSY
12070 OUTCLASS 2038 USB called NIGHTWATCH 01 (who's monitor only for hours). At 2042z, OUTCLASS called NIGHTWATCH 01, then called CORRUGATE. TENEMENT 1955 USB called NIGHTWATCH 01. (JH) Nightwatch 01 2011 USB wkg Squadcar freq Z-211 (SF)

12070 OUTCLASS 2038 USB called NIGHTWATCH 01 (who's monitor only for hours). At 2042z, OUTCLASS called NIGHTWATCH 01, then called CORRUGATE. TENEMENT 1955 USB called NIGHTWATCH 01. (JH) Nightwatch 01 2011 USB wkg Squadcar freq Z-211 (SF)

1283.5 CTP: NATO Lisbon Portugal 1623 CW w/ V marker (LVH)

13200 Reach9409 2314 USB wkg Hickam pp to Elmendorf Metro 0200z wx, Pirep C141. Reach2691 (not hrd) 2249 USB wkg Hickam for Metro. Hickam 2252 USB w/ Fodrot msg, DFK 51 QD(EQ) Reach 0183: 1813 USB wkg Thule -- pp Hilda East ops matters and wx for CYOX (Gander) arrival 1945Z obtained from Trenton. Reach 807P: 1817 USB wkg Thule -- pp Denali (Elmendorf AFB, AK) regarding coordination of additional refueling ops; had just refueled Reach 118 (C141 acft). (Kw2) SPAR 63 2232 USB wkg Offutt dispatch, wants to know if any people there waiting for them. Said will call again in 15m for POB wants to talk to person arriving there at Offutt. HARDY 91 Heavy 2334 USB clg Thule, weak but readable. Location overhead Portland, Oregon. Req PP to Tinker AFB OK), no answer. (PS3) Elmendorf GHFS: AK, US 2022 USB wkg REACH 0234 w/pp unid meteo, passes posn 5096N/14252W during pirep. (RB)

13211 TOPPS 11 (sounds like) 2010 USB called PLANTATION OPS. (JH)

13241 SAM 681 1151 USB wkg Andrews VIP for pp to local number. (JJ)

13242 MACDILL 2036 USB worked PACOM 01, and then HICKAM worked PACOM 01. CORRUGATE 1840 USB called NIGHTWATCH 01. (JH) SPAR 58 2025 USB clg MacDill, very weak. NIGHTWATCH 01 1923 USB wkg CORRUGATE on ZULU 215. (MF2)

13245 NIGHTWATCH 01 1958 USB called TEAMWORK. At 1959z, COURTLAND worked NIGHTWATCH 01. At 2001, FURCOAT (male and female oprs in same comm) worked COURTLAND. At 2149z, NOTED called MUSKETEER, then "any station this ptt." At 2150z TEAMWORK worked NOTED. (JH)

13257 Architect 1247 USB wkg Ascot 9105, ETA Brize Norton 15:00, selectcall AJKM (MB3) CANFORCE1523 1621 USB wkg TRENTON MILITARY av wx for LGSA was advised that Olympic airways would be contacted & would handle things...good luck. (SM)

13440 SAM 204 2351 USB DV 3 + 6, wkg Andrews VIP for pps to Grand Forks AFB re: 0200z arrival, weather, and services. SPAR 66 and 67 2145 USB checking new possible freqs here w/Andrews VIP. SPAR 66, says, "Can't do 731...I've got some bad filters in my radio...can't go any lower than 8 meg." Goes to F-290 at 2145z. SAM 204 2351 USB DV 3 + 6, wkg Andrews VIP for pps to Grand Forks AFB re: 0200z arrival, weather, and services. (JJ)

13527 C: Beacon Moscow 0652 CW cont cccc (BVR)

13907 NEONSIGN 1602 USB wkg NIGHTWATCH 01. (JH)

13927 DANDA 69: 2239 USB (C-141B 62nd AW) wkg AFF2CP (Carswell AFB Cmd Post?/USAF MARS?) w/pp. over Utah entc McChord AFB from Fla. Crew planning to make calls using MCI's free phone calls for military personnel due to Veterans Day. AFF2CP: USAF Mars Lexington KY 2010 USB wkg "E6A". Seems as a/c id'd by a/c type (E6A). During one pp, the subject being called told the a/c to be sure and "pull in the cable (cable - VLF antenna???) before doing a barrel roll over the lake (missed name of the lake). Both parties had a good laugh at that. The person saying this obviously was military and stated that some people from the squadron were meeting at the lake for a picnic. At 2040, E6A switched over to AFF2SP to continue pp's. (DW2)

13974 NNNOCOT: unid USN vs1 MARS Sta 2017 USB wkg NNNORFH: USN MARS station Southern California for pp's. Anyone know who NNNOCOT is yet? (not the decommissioned Fairfax County). (DW2)

13993 AAT9HD: MARS, unk location 1621 USB wkg AFA...? (missed c/s). (AI)

13994 AAV7BB: unid MARS 1903 USB wkg ABM6NY (unid MARS). ABM6NY passed QTH as South-Central Nebraska. Tfc re: relay of msg to New York. (DW2)

14383.5 NNNOCME: USCGC Northland (WMECh904) MARS 2105 USB wkg NNNOMP: USMC Camp Pendleton MARS station for a pp. (DW2)

14391.5 NNNOCXB: USS John F. Kennedy (CV-67) MARS 2108 USB wkg NNNORRC: unid USN MARS for pp's. (DW2)

14477 NNNOTDU: MARS private shore station, Falmouth, Me 1842 USB wkg unid ship NNNCA. (AI)

14864.5 SAM 403 1904 USB on F-466 wkg Andrews VIP on AF-1's secondary. (JJ)

15011 SAM 28000 1845 USB wkg ANDVT commw w/ Andrews VIP. (JJ)
15016 RCH 122AE: 1110 USB wkg Ascension, reporting no anti ice, potential problem, head for Ramstein or Rota. RCH 20AE: 1150 USB wkg Croughton w/ pp Frankfurt AMCC, arr 1405 Rhine main, A2 for No. 3 engine thrust reverser (TR) (CH) SHADOW65 2233 USB clg McDill, neg contact. (EG) Navy LV619 2227 USB wkg Albrook, pp Charleston metro eta 2300Z. Reach 0018, 2248 USB wkg McDill, pp Lajes metro wx for 0045Z eta located 40N 47W. Roller 05: 2133 USB wkg McDill -- pp Little Rock base ops wx winds/temp & ops coordination; was advised to contact PMSV on 239.8 when closer. (KW2). Albrook 1958 USB making an all frequency request for SHARK 87. ALP HOTEL FOXTROT 5 2001 USB looking for a radio ck from Albrook. McDill 2004 USB pp for LOOPHOLE to DNS#339h4527/4528 switched to 11217. Albrook 1950 w/pp for REACH 1950 to McGuire AFB & meteo (REACH 1950 is a KC-130). At 0200, Albrook wkg PP for EVAC 10 to AEROVAC OPS, switched to 11175. Albrook 1921 USB w/pp for REACH 85 to LOBO. Albrook 1946 USB w/pp for LOBO to SHARK 27. (MF2) REACH 20AE 1145 USB wkg Croughton. pp AMCC (Frankfurt ?) Discussed the dropping off of a "TAL-SEA" (TALCE ?) confirmed that freqs for it are as aircrew booklets indicate so other A/C will be OK. Heading to Frankfurt for 1400. (PR) Bayonne Global: Bayonne, NY 1714 USB Military Traffic Management Center, Command Emergency Comms Center, Bayonne, NJ, wkg RAIDER 48 w/pp to Dobbins AFBCP, ETA is 1500L, req K-loader. (RB) REACH 20W7: 0945 USB wkg Incirlik. Wanted wx for LWOH. Op didn't know the designator - a/c spelled it out as Ohrid in Macedonia. PIREP gave posn as N44 E9 (N Italy) C141 w/ a windy 239 degrees at 75 kts. REACH 7F7: 0955 USB wkg Incirlik. WX for LICZ Signonella (Italy).C141 Tail no. 40630 @ 39N 33E (N Turkey). REACH RS101: 1015 USB wkg Incirlik.pp to HILDA East eta for HUEN (Entebbe, Uganda) of 1130Z, Talked about a flight plan from HKMO (Mombasa, Kenya) to LICZ (see above). Also asked about diplomatic clearance for Rawanda not available. (RP2) 20W7: 0925 USB wkg Ascension w/ a PP to Hilda. We ETA Blocks LWOH at 1130 we are A1 w/ 30000 lbs of cargo. We have 5 pallets to offload. (SM) 15038 SPAR 19 2202 USB wkg Andrews VIP here (and many other freqs) during a 16 hour non-stop flight from Pakistan. (JJ) 15048 Andrews 1913 USB w/pp for NAVY JULIETT 676, afterwards the operator at Andrews and the 676 radio tech had a discussion about Portuguese bread, must be a slow day. (MF2) 16117 FOXTROT-9-INDIA 2252 USB w/EAMS. (JJ) 16862 VTR: 0902 0902 CW marker (EW) (VTR is Vishakhapatnam Naval, India - LOGS) 16938 VTRG8: COMCEN Radio Bombay, India 0825 CW marker (EW) (Indian Navy - LOGS) 16950 9MB: Navy Georgetown, Malaysia 0831 CW marker (EW) 16986 CTP: NATO Lisbon Portugal 1703 CW w/ V marker (LVH) 17018 EBA: Madrid Naval Radio, Spain 0859 CW marker (EW) 17050 4XZ: Haifa Naval Radio, Israel 0908 CW marker (EW) 4XZ: Israeli Naval Haifa Israel 1638 CW w/ V marker (LVH) 17227.6 ZLO: New Zealand Navy, NZ 1122 CW marker (EW) 17780 Cape Radio: 1828 USB wkg 'King xx' (unheard), telling him that 'his freq was 5822 At 1836, they worked 'King 22' (also unheard, same a/c??) w/ exactly the same msg (GT) 17976 Reach V5 1059 USB Incirlik calling, -> 11175 -> 6712 (clg Croughton). Also hrd Lajes ckg on flight 8968 later. pp Mildenhall PMSV. COGNIZANT 1629 w/26-Character EAM, simulcast on 9016, 6739, 11244, & 17976. (JH) Incirlik 1430 USB wkg V18 w/pp to ? (Incirlik weak, a/c unheard here) (MB3) HARDY 91 Heavy 2336 USB clg Thule, no joy. (PS3) LANCER 12 1455 USB wkg Andrews pp Euro DSN 622-2610.12 says no comms on VHF/UHF/X-ray (?) or 5/10 Meg HF and requests they are active on all channels in 1min. (PR) Trenton military 1955 USB w/pp for CANFORCE 57 Port Au Prince to unid #. (MF2) 18018 Cyprus Flight Watch 1317 USB w/ weather warning broadcast for strong winds at Akrotiri who are obviously not used to strong winds they were only 30 knot gusts! (PR)
a short period of low local QRM. (KB)

212 NDB UCF: Cienfuegos, Cuba 0610. (BH2)
244 NDB HF: Hartford, CT 1420. (BH2)
258 NDB ORJ: Corry, PA 0421. (BH2)
272 NDB RU: San Marcos, TX 0448. (BH2)
317 HAF: NBD Haifa (Air Force). ISR 0331 CW. (AI2)
328 PHA: NBD Paphos, CYP 1102 CW. (AI1)
343 DKA: NBD Dhekelia, CYP 0620 CW. (AI1)
350 NDB LI: Fredrickton, NB, Can. 0510. (BH2)
351 BOD: NBD Beirut, LBN 0623 CW. (AI1)
361 AD: NBD Aden, YEM 1905 CW. (AI1)
372.5 KTN: NBD Kariatian, SYR 1705 CW. (AI2)
380 NDB AJL: Abejorral, Columbia 0622. (BH2)
420 EA: NBD unid 1915 CW. (AI1)
435 LCA: NBD Larnaca, CYP 0749 CW. (AI1)
4469 Unid 0615 AM time signal station w/simple one tone beep on the second, skipped the half minute beep & had ann at the 54 second mark which I believe was in Spanish. (AI1) (HB2IOA, time signal station in Guayaquil, Ecuador op by Instituto Geografico e lnstituto de la Armada -LOGS)
4512 Unid: 0133 USB YL/GG??? followed by musical tones then numbers and letters (AM3) (Mossad numbers station - Logs)
4567 Unid Japanese phone net 0718 USB. (AW)
4665 Unid 0243 AM: YL in EE rptng "Victor Lima Bravo Two " (AM3) (Mossad numbers station - Logs)
4686 Unid: 1710 USB refs made to "sending out a recovery patrol"also refs to AA.12364" "B.122"this freq was active last yr w/ tfc in western Sahara i think that this may be some sort of UN station any info anyone ??? (PO)
4765 unid 2033 USB several stns h all female operators - in a net in RR(MB3)
5068 7PNK: 1356 CW changed to USB then YL in Arabic??? Unid 0310 USB: OM in GG??? w/ 5/g's, distorted, muffled. (AM3) (MOI Prague in Czech - Logs)
5108.5 Unid Number Station 1433 LSB preamble of 3 ascending tones. Then YL reading GG number groups. ended w/ ende. ende. 15 min's total.(SM)
5170 Unid 0050 AM: YL EE rptng "Sierra Yankee November Two" (AM3) (Mossad numbers station - Logs)
5203 WEGB: 2128 CW wkg "WFIZ" (CK)
5230 SYN: 0555 (ENIGMA classification E-10) sending the special marker "SYN44" instead of the regulars SYN SYN2 etc.(CK) (Mossad - LOGS)
5277 PANTER 2014 USB advises 37 CHARLIE that 45 MIKE a flight of 4 will be heading into PANTER 400 from the south. (MF2)
5284 Unid: 0400 USB YL/GG rptng "Whiskey Lima" w/ electronic tones. 3/2FGx2 at 0405. off at 0413 w/ "ende". (JM4) (BND Germany - German "Two Letter Station - LOGS)
5301 OLX: 0600 CW changed to USB then YL in Arabic??? Unid 0310 USB: OM in GG??? w/ 5/g's, distorted, muffled. (AM3) (MOI Prague in Czech - Logs)
5336 ELAL: 1149 CW clg "IMKC" (CK)
5395 Various 0253 USB SS comms between "Monterey", "Mazatlan" and various others. Mexican Police/Army?? (DW2)
5424.7 Lima: 1658 USB clg any station --no joy (KW2).

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WUN-v02

5610 Unid 0700 CW "010/00" repeated until 0705Z, then ended w/ "BT BT 0 0 0". Short (one dash) zeros. Strong signal S9+20 here in Athens (CK)
5702 unid 1640 USB "DO" clg "WV" in FF several times, no joy (MB3)
5772 PPT88: unid 0732 CW w/VVV VVV PPT88 PPT88. (DW2)
5777 13: unid 0812 USB wkg 10. Had 3rd party on the phone. Off the air at 0813. (DW2)
5841 SHARK 13 1951 USB receiving posn report from SWORDFISH 60. At 1954 PANTHER clg SHARK 13 requesting info SWORDFISH 55 who is at Z10. At 2009 SHARK 13 clg PANTHER, req switch to MRhBAND (INMARSAT). At 2104 SWORDFISH 60 calling SHARK 13,60 passes ops report and request 13 assume his guard. At 2108 PANTHER calls SHARK 13 and informs 13 that PANTHER has SWORDFISH 55 guard. At 2111 SHARK 13 requests PANTHER to pass them SWORDFISH 55 operational state. PANTHER asks SWORDFISH 55 if there heading directly to ALMIGHTY. SHARK 19 1926 USB requests SHARK 13 to shift to green. At 1936 93ALPHA calling in a posn report to PANTHER, 93 wants to if there are any prisoners to pickup upon arrival. PANTHER reports no prisoners just pickup the team. SWORDFISH 55 at 1955 clg SHARK 19,19 passes 55 his mission plan at takeoff. At 1944 37 CHARLIE requests SHARK 13 shift to green. At 2006 93 ALPHA passes to PANTHER he is airborne w/ 3 pob and 10 hours of fuel. At 2008 SHARK 19 req PANTHER if SWORDFISH 81 is airborne,19 then requests that 81 stay put. At 2019 93 ALPHA passes ops normal to PANTHER. (MF2) SHARK 13: 1408 USB wkg PANTHER (SL)
5911 Unid 0830 CW w/5LGs, "bt 780 30 08:28:42 $996 bt" (PB)
6241 Unid Pacific island phone net 0953 USB. (AW)
6613.8 Unid Pacific Island phone net 0940 USB in Aero band. (AW)
6735 unid 1545 USB Two stns (men) chatting in an Arabic language. Both very strong into Central Europe. One sounding as if there was jet-engine sound in the background (MB3)
6805 RBK72 2025 USB Radio Moscow Feeder (MB3)
6810 Russian Man numbers station 0327 AM middle of the broadcast, YL/EE (unisex voice) w/ 5FGx2. Broadcast ended at 0349 w/480 480 173 00000. (JM4)
6844.5 Unid 0217 CW sending dots continuously (AM3)
6855 unid 1717 USB 2 men chatting in an Asiatic language (MB3)
6871 HEP7 1238 CW V-marker (CK) (Kontonspolizei Zurich - Interpol - LOGS)
6913 Unid: 2301 CW poss Czech user w/5fgs (DG)
6995.5 Unid Malaysian phone net 1014 LSB (AW)
7060 Unid 0445 AM YL rptng "cio2" in ee (AM3) (Mossad numbers station - LOGS)
7922 Unid 0730 USB EE-language net daily; also 0830, 1600; mentions rigs & drills & referred to as "Tripoli". (JD2)
8000 JJY: Tokyo Time Sta 1513 AM. (DW2)
8089 Unid Pacific Island phone net 1030 USB in marine band. (AW)
8141 Unid: 0015 CW 5/fg's signoff= 0030 (AM3)
8142 OLX: MoI Prague 1307 USB 5FGs (PB)
8160 Russian Man numbers station 0327 AM middle of the broadcast, YL/EE (unisex voice) w/ 5FGx2. Broadcast ended at 0349 w/480 480 173 00000. (JM4)
8187 Unid: 0210 AM SS/f w/5LGs Poor audio. (PS)
8638 VNG: Sydney Time Station Australia 1204 w/ time ticks (LVH)
9123 BS3d: and AU44 1437 CW w/ number/letter groups. (JM)
9123.5 U41: 1639 LSB w/msgs for an unid station. Weak signal in Central KY. Similar to LSB stations logged last Friday on 8170.5 and 8180.5 kHz (JM)
9251 MI6 numbers station 2140 USB YE/E 5f tfcc. At 2200, wp w/ Lincolnshire Poacher tune. (DW2) MI6 Cyprus 2000 USB LP/E3 YL/EE W 73886 ID, many rpts then 5gps, //6959 (RH2)
10452 CIA Number stn 1020 USB 5FG's by YL. Each group repeated twice. (AW)
10493 WGY 912: 0007 USB ann re closing station until Monday morning 0800 (a.m.) local (KW2).
11021 Unid 1056 CW "UMA gsa qsy" (PB)
1111.2 Unid Possibly Middle East or North Africa. 0447 USB Arabic comms between 3 stations weak but readable. (PS)
11117 unid 1257 CW 28WPM repeating 341 3 times, w/ 4 long dash between. (ED)
11170 unid numbers stn 1234 USB female w/Russian accent w/5LGs using names like 'peter susan william nancy henry' and repeating each group. Transmitter had sound of a cooling fan in the background and sounded like 'Russian home brew' Off the air @1239. (MB3) (Nancy Adam Susan Pagina 1143
numbers station -LOGS-

11220 Unid Asian phone net 0630 USB. Bad interference to USAF. (AW)
11380 unid 1518 USB pp (man and woman) in Greek. (MB3)
11416 OLX 1157 CW Encoded msg to "146" (CK)
11618 Unid numbers 1345 AM? off @1351 UTC w/open carrier: male w/5FG's in SS...very strong signal, distorted. @1354UTC a quick burst of morse code w/ the last dah (or dit) held for about 20 seconds then no carrier. (HB)
11630 Unid numbers 1404 Mode? off @1417, female w/5FG's in SS, very readable ...many of the groups were the same as the previous log. she ended w/final three times. (HB)
13225 Alia 'Base' 1244 USB wkg Alia ??? re ETA Amman (MB3)
13375 unid numbers stn 1330 USB very strong female synthesized 'British English' voice w/5FGs. Off air@1545 after sending a short melody for 30 seconds or so, also at 1430. (MB3) (Lincolnshire Poacher -LOGS)
Lincolnshire Poacher 1901 USB YL/5FG. (RB)
13890 unid 1345 USB 2 males in Spanish (QSYed here from 13905) (MB3)
13905 unid 1343 USB 2 males in Spanish, mentioning '13890' (MB3)
13907 Unid station 2314 USB sending ALE pulses (LVH)
14487 Lincolnshire Poacher 1033 USB w/5fps (EW) Unid numbers station 1225 USB w/very British YL w/5FG's. (RH)
14686 ATLAS 1932 USB clg 940 for 1/2 hour status report. (MF2)
14711.2 unid 1340 USB male in Italian, one side of dx QSO? (MB3)
14996 RWM: Time signal Moscow 1140 CW "cq de RWM" (PB)
15682 Lincolnshire Poacher 1028 USB Numbers station 5fps (EW)
16084 Lincolnshire Poacher 1030 USB Numbers station w/5fps (EW) MI6 CYPRUS 1200 USB LP/E3 YL/EE w 48401 ID, //15682 , heavy jamming! Unid: 1300 USB LP/E3 YL/EE //15862 & 14487. heavy jamming (RH2)
16307 UNID 1535 CW As if sending telegram. Frequency not a harmonic of a ship's 8 mhz freq (DW)

THIS MONTH'S CONTRIBUTORS:

(A2B) Art Blair, Orangevale, Ca, USA (by mail): NRD-515, M-7000
(AD2) Alan Doherty, N.Coast, Ireland
(AH2) Arthur P. Heely, QTH?
(AI) Andreas Ibold, Moers, Germany (by mail)
(AM3) Albert Miles, Richmond, Va, USA
(AM4) Andy Malavansky
(ANEE)Anonymous, Eastern Europe
(ANUK)Anonymous, In UK
(AR) Al Robertson, NE Texas, ICOM R72a, Palomar MLB-1 balun, outdoor 86ft. wire
(AW) Alex yellner, Sydney, Australia: Kenwood R5000
(AW2) Allen Watkin, Australia: Kenwood R2000
(BD) Brent D. Saylor, Pa, USA: Icom R-70, AEA CP-1 TU
(BF) Bill Farmer, Rockville MD, USA, NRD535, M7000
(BH) Bart Hoekstra, Leeuwarden, The Netherlands: Lowe HF-225
(BH2) Bob Hamilton, Long Island, NY, USA: Drake R8
(BH3) Bill Halpin, San Bernardino, CA USA
(BS) Brian Stevenson, Australia, R-2000
(BVR) Bert van Rij, Naaldwijk, The Netherlands: Icom R71e, Hoka Code 3
(CH) Carl Hender, Suffolk, UK: IC R72, JVFX, HAMCOMM
(CK) Costas Krallis, Athens, Greece: Yaesu 7700
(CM) Craig Mackinnon, Halifax, NS, Canada: Yaesu FRG-7
(CR) Chris Reed, W. Pennsylvania
(CVS) Cor van Soelen, Flussing Netherlands, NRD515/NDH518, Decoder home made, HAMCOMM 3.1
(DA) David Alpert, New York, NY, USA
(DB) Dave Batcho, Las Cruces, NM, USA
(DB3) Darren Bell, Northern England
(DC) Dennis Campagna, SE Connecticut, USA
(DGT) David W. Gentile, central UK: Kenwood R5000, Hoka Code3
(DT2) Don Turner, Vacaville CA, Kenwood Ts-450/Sat R-5 Vert Base At 30Ftinv Vee 40 Mtrs E/W Apex 30Ft, PK232/Mbx Running Pcpakratt
(Dw) Day Watson, Clevedon, UK: NRD535, Racal RA1792, Code 30 v.2, JVFX
(Dw2) David Wright, San Angelo, Tx, USA: DX394, Grundig YB400, Code 3 Gold
(Dw3) Donald Warner, Medway, Ohio, USA
(EA) Ed Ashcraft, Oahu, HI, USA

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(SS) Stan Scalsky, Leonardtown, Md, USA: IC-R71A, M7000, Code 3
(SZ) Steve Zollo, Adelaide, Australia
(TB) Tim Braun, Haymarket, Va, USA: FRG-100
(TK) Takashi Kuroda, Tokyo, Japan: WJ HF-1000/Racal RA67906M R2174(P)URR, M7000/8000
(TO) Tony Orr, Reston, Va, USA: Lowe HF150, Datong FL-2
(TW) Tony W.??
(VC) Victor I. Culver
(WT) Wade Taylor, Glendora, Ca, USA

Abbreviations Used

//   Parallel with Frequency pp   Phone Patch
5FG's   5 Figure Groups PP   Polish language
5LG's   5 Letter Groups R/T   Radiotelephone (ship/shore phone)
a/c    Aircraft rdo   radio
ARP    AIREP or Air Report re   Reference/Regards
ck     Check req   Request
cud    Could RR   Russian language
dep    Departed SAR   Search & Rescue
dx     duplex sta   Station
EE     English language sx   Simplex
enrt   En route tfc   Traffic
f      female TG's   Telegrams
FF     French language tlx   telex
GG     German language unid   Unidentified
hrd   Heard unk   Unknown
m      male vs1   Vessel
msg    Message w/   with
MIB    Maritime Info Broadcast wkg   Working
nx     News wx   Weather
posn   Position

== END == FIN == ENDE == FINE == FIM == KONETS ==