

EUNL1997

EUROPEAN UTILITY NEWSLETTER 4-97

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* Editor:      Andreas Ibold, Mittelstr. 10, D-47441 Moers, GERMANY
* Tel.:       (49) 02841 / 178529
* Treasurer:  Norbert Reiner
* Membership fees to: Badische Beamtenbank Karlsruhe
* Konto Nr.: 2038005 BLZ: 66090800
* Dispatcher: Thomas Ingenpaß      Internet-Supporter: Reinhard Klein-Arendt
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Hello Gentlemen,

a very warm welcome to the first edition of 'EUNL' (European Utility Newsletter). After nearly one year without a german/european Newsletter we're back again. This was only possible with the help of the following gentlemen: Norbert (nr76) as treasurer and copy-master, Thomas (ti47) as our dispatcher, and myself (ai47) as editor.

At first, I think we all have to thank Reinhard Klein-Arendt very much for his 10-year-staying-power as editor of our high quality Newsletter. 10 years without

an omitted issue is really a great voluntary(!) service!!! Have you ever count the hours you have spend with editing the NL? His capabilities in the field of utility were indeed a greet help for all NL-members and we all liked his way of editing. I believe that I don't have to emphasize that all of us were sad as you

laid down the editorship but we also know that you ran out of breath with compiling the NL due to your teaching obligations and your research projects. But fortunately you will still be with us as 'Internet supporter' of our EUNL. So at least we all have to say it again with one voice: THANK YOU VERY MUCH FOR BEING OUR EDITOR FOR SUCH A LONG AND GOOD TIME AND FOR YOUR ABLE WORK! WE ALL WISH YOU THE VERY BEST!!!!!!!!!!!!!!

IMPORTANT: Please read the lines concerning the paid EUNL's of members at the end of this issue!!!!!!

N D B

267.5	2337	OPW	Bucharest/Otopeni	ROU	id	mo76
274	0020	SAL	Sal	CPV	id+tone	nr76
275	0028	VG	Haugesund/Karmoy	NOR	id	mo76
277	0029	CHT	Chiltern	G	id	mo76
277	2107	BRY	Bray-sur-Seine	F	id+tone	nr76
284	2333	GRN	Gorna	BUL	id+tone	mo76
284	2228	VN	Capo Vaticano	I	id+tone	nr76
284	0220	OSR	UNID	?	id	mo76
287.3	2324	HA	Haifa	ISR	id+tone	mo76
289	0013	MBA	Mansbach	D	id	nr76
291	0221	SN	Cabo San Sebastian	E	id+tone	nr76
295.5	0005	A	Jaroslawiec Lt.?	POL	id+dash	rk50
297.5	1732	MŽ	Mantyluoto	FIN	id+tone	nr76
307	2020	PG	Prague/Ruzyne	CZE	id	mo76
309.5	0033	MA	Marstein	NOR	id+tone	nr76
316	0025	BGU	Oslo/Bergerud	NOR	id	mo76
316	0020	TEA	Teano	I	id	nr76
318	2218	KLP	Dubrovnik/Kolocep	HRV	id	mo76
322	2210	TLN	Hyeres/La Palyvestre	F	id+tone	mo76
326	2354	OMA	Omastrand	N	id	nr76
330	2258	SRN	Saronno	I	id	mo76
331	2120	UT	Hemavan	S	id	mo76

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331	2002	NMN	Mendig	D	id+tone	nr76
332	2005	NV	Amsterdam/Shiphol	HOL	id	nr76
335	1558	RIM	Rimini/Miramare	I	id	mo76
336	0436	JZ	VidseI	S	id	mo76
337	0038	AH	Alghero	I	id	nr76
339	0003	ZL	Maastricht	HOL	id	nr76
348	2123	SVR	Sagvar	HNG	id	mo76
349	2319	TAR	Orland/Tarva	NOR	id	mo76
349.5	2005	SZA	Solenzara	F	id+tone	mo76
350	2258	LAA	Oulu/Laanila	FNL	id	rk50
351	1020	V	UNID	?	id+tone	mo76
351	0028	POM	Napoli/Pomigliano	I	id	nr76
352	1657	NEW	Newcastle	G	id	mo76
352	2149	OA	Oslo/Asker	NOR	id	mo76
353	1602	KRW	Krakow/Balice	POL	id	mo76
356	0101	PR	Praha/Ruzyne	TCH	id	nr76
357	2151	CAS	Torino/Caselle	I	id	mo76
359	2337	LOR	Lorient	F	id+dash	rk50
360	2158	ELB	Elba	I	id	nr76+mo76
363.5	1629	BRD	Brindisi	I	id	mo76
367.5	1630	PNZ	Ponza	I	id	mo76
370	2232	PSA	Spessart	D	id	zeTC
371	2203	CAG	Cagliari	I	id	nr76
373	1755	LPD	Lampedusa	I	id	mo76
373	0037	LCT	Unid	F?	id+tone	nr76
379	0024	PIS	Pisa	I	id	nr76
379	2146	VEN	Venezia	I	id	mo76
380	2134	BRI	Bristol	G	id	rk50+mo76
380	0132	VNV	Villanueva	E	id	nr76
385	1634	BO	Zadar	HRV	id	zeTC+mo76
385	1952	K	Kosice/Haniska	SVK	id	mo76
386	1637	RAK	Rakovnik	CZE	id	mo76
387	2156	CEV	Cervia	I	id	mo76
390	2349	AVI	Aviano	I	id	rk50
390.5	2159	ITR	Istres/Le Tube	F	id+tone	mo76
393	2306	DVA	Deva/Saulesti	ROU	id	rk50
394	2310	JOK	Kauhajoki	FNL	id	rk50+mo76
394	2145	MEL	Metlika	SVN	id	mo76
394	2157	NB	Stockholm/Bromma	S	id	mo76
394a	2331	SH	UNID	???	id	rk50
395	2335	BR	Budapest/Ferihegy	HNG	id	mo76+rk50
395	2153	LE	Krasnolesye	UKR	id	mo76
395	2154	OB	Marseille/Provence	F	id+tone	mo76
396	1623	RON	Ronchi dei Legionari	I	id	mo76
397	2147	HON	Hon	LBY	id	mo76
398	0114	NIT	Nitra	SVK	id	zeTC
400	2149	BRZ	Breza	HRV	id	mo76
401	0135	PTC	Porto Colom	E	id	nr76
401.5	2140	BET	Rheine-Bentlage	D	id+dasch	zeTC
402	2144	CAR	Carbonara	I	id	nr76+mo76
403	1640	KEK	Kerkyra	GRC	id	mo76
403	2142	OJ	Jonkoepping	S	id	zeTC
404	0454	ZLA	Zilina	SVK	id	mo76
404	2302	JAN	Halli/Janne	FNL	id	mo76
405	2144	AV	Goeteborg-Saeve	S	id	zeTC
405	0105	EWZ	Viljandi	EST	id	nr76
406	1642	GRO	Grosseto	I	id	mo76
408	0006	CHI	Chioggia	I	id	rk50
409	2147	DAR	Darlowo	POL	id	zeTC
409	2147	SG	Satenaes	S	id	zeTC
409	2210	CZE	Czempin	POL	id	zeTC
412	2127	FS	Sliac	SVK	id	mo76
412	0110	PP	Pecs (tent)	HNG	id	nr76
413.5	2150	DLS	Berlin-Luebars	D	id	zeTC
415	2214	OL	Lynkoepping-Saab	S	id	zeTC
416	2153	BCS	Bacchus	S	id	mo76
416	2154	MLT	Malta	MLT	id	mo76
417	2153	AH	Aengleholm	S	id	zeTC

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418	2157	ORA	Oradea	ROU	id	mo76
418	2155	ZV	UNID	?	id+tone	mo76
419	2159	RD	Vaesteraas-Hasslo	S	id	zeTC
420	2158	SS	Malmoe-Sturup	S	id	zeTC
421	2159	HS	Halmstad	S	id	mo76
423	2158	ZO	Zitorada	YUG	id+tone	mo76
423	2136	FOR	Forli	I	id	zeTC
423	1840	JIS	UNID	?	id+dash 7x in 1 minute	zeTC
424	2203	OKF	Desna	CZE	id	zeTC
425	0158	PIS	UNID	?	id+tone	nr76
426	2204	GBG	Gleichenberg	AUT	id	zeTC
430	2202	ALM	Aix les Milles	F	id+tone	mo76
432	1800	RO	Rothenburg	D	id	zeTC
432	2306	AKU	Ivalo	FNL	id	mo76
432	0247	PK	Chrudim	TCH	id	nr76
434	0133	THN	Thorn	HOL	id	zeTC
435	2204	GHT	UNID	?	id	mo76
435	2154	SM	Semyenovka	UKR	id	mo76
436	2156	FRA	Sarajevo/Butmir	BIH	id+tone	mo76
438	0530	B	Bratislava	SVK	id	mo76
450	2206	PDV	Plovdiv	BUL	id	mo76
465	2140	U	Burgas	BUL	id	mo76
482	2200	LOU	Louvigny	F	id+dash	zeTC
490	0206	KO	Koshany	UKR	id	nr76
490	0210	DVI	Donaueschingen	D	id	nr76
517	0126	ARD	Arad	ROU	id	zeTC
517	2140	JBR	Jaszbereny	HNG	id	zeTC
520	2142	BS	Budaoers	HNG	id	zeTC
521	0345	BSW	Bucuresti-Banesa	ROU	id	zeTC
523.5	1040	LK	Kolin	CZE	id+dot	zeTC
534	2137	NR	Nora	CZE	id	mo76
590	2136	OL	Szczecin/Goleniow	POL	id	mo76
598	2240	J	Kaposvar/Kaposuljak	HNG	id	zeTC
600	2243	KR	Krasnoborka	UKR	id	zeTC
615	0040	OM	Gorm A	IW	id+dash	zeTC
735	2240	KW	Koviahny	UKR	id	zeTC
840	2134	KR	Kaliningrad	KAL	id	mo76
940	0111	UD	Chudovo	RUS	id	zeTC
1060	0155	NE	Nemirov	UKR	id	zeTC
1145	0202	LT	Lyutezh	UKR	id	zeTC
1290	0039	TU	Reliy	RUS	id	zeTC

## F I X E D

3116	1341	DRCH	FGS Nerz	IW	clg Glücksburg for r/c	mo76
3327	2120	FDI22	FAF Aix-les-Milles	F	cw VVV-maker	ti47
3768.2	2127	FDC	FAF Metz	F	cw VVV-maker	ti47
4557	1922	FDG	FAF Bordeaux	F	cw VVV-maker	ti47
4595.5	1927	FDI8	FAF Nice	F	cw VVV-maker	ti47
4788	1930	FDI22	FAF ??	F	cw VVV-maker	pcG
5342	1008	FDY	FAF Orleans	F	cw VVV-maker	ti47
5462	1648	FDI22	FAF ??	F	cw-VVV-maker	pcG
5467	1011	FDE14	FAF Villacoublay	F	cw VVV-maker	ti47
5471	0849	LN2A	PTT Oslo	NOR	cw-id + synch+phasing	ti47
6825	1008	FAV22	FF Mons-Valerien	F	cw-lesson 'CQ DE FAV22 AR'	mo76
6990	0429	HAARP	HAARP Site Gakona	ALS	cw-vvv & test msg	rk50
6992.5	1040		Royal Navy Cadets Net	G	wkg c/s MFQ45,MFM15,MFM38	ai47
6997	1008	'sasso'	AF Martina Franca	I	wkg unid station, clear ID	ai47
7311.5	1057	FDE14	FAF Villacoublay	F	cw VVV-maker	ti47
7654	2253	4XZ	ISRNY Haifa	ISR	cw VVV-maker	ti47
7922	2136	I6S	Unid, military net?	F	wkg K9G, EE w/ FF accent	ti47
8143	1058	OLX	MoI Praha	CZR	cw VVV DE OLX OLX	ti47
10046	1234	4XZ	ISRNY Haifa	ISR	cw VVV-maker	ti47
10144	0933	DK0WCY	DARC Suederbrarup	D	cw id AURORA BEACON + dash	ti47
10871	1435	C	RUSNY Moscow	RUS	cw Channelmarker	abnl
10871	1435	S	RUSNY Arkhangelsk	RUS	cw Channelmarker	abnl
10873	1353		RUSNY Moscow	RUS	cw channelmarker "c"	ti47

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11417	1358	OLX	MoI Prague	CZR	cw VVV DE OLX OLX	ti47	
13527	.6	1422	S	RUSNY Arkhangelsk	RUS	cw channelmarker "S"	ti47
13528		1422	C	RUSNY Moscow	RUS	cw channelmarker "C"	ti47
13927		1510	AFF2CP	MARS Lexington, KY	USA	wkg AFA1EN	ai47
13927		1510	AFA1EN	MARS Shelbyville, IN	USA	wkg AFF2CP	ai47
13927		1527	AFA1JM	MARS Citra, FL	USA	wkg AFF2CP	ai47
13927		1714	AFA2AG	MARS Rockledge, FL	USA	wkg Reach 04	ai47
14391	.5	1327	NNN0BVL	MARS unk location, ME	USA	wkg NNN0CRU (unk ship)	ai47
14391	.5	1434	NNN0SYN	MARS unk location	USA	wkg NNN0COQ	ai47
14391	.5	1417	NNN0TDU	MARS Falmouth, ME	USA	wkg NNN0CXB	ai47
14402		1530	AAT7UO	MARS unk location	USA	rdo/check w/ AAM3PP	ai47
14402		1531	AAT5AO	MARS unk location, MN	USA	rdo/check w/ AAM3PP	ai47
14402		1405	AAR3JI	MARS Penrun, PA	USA	rdo/chk w/ AEM1USA	ai47
14402		1414	AAR1HG	MARS unk location, ME	USA	wkg AAM3PP Saint Albans, NY	ai47
14402		1416	AEM1USA	MARS Sembach AB	D	wkg AAM3PP	ai47
14402		1424	AAR2KS	MARS unk location	USA	rdo/chk w/ AAM3PP	ai47
14402		1431	AAR4SX	MARS unk location, GA	USA	wkg AAM3PP	ai47
14402		1520	AR315	MARS western Sahara	AOE	wkg AAR1HG	ai47
14402		1528	AAR2USI	MARS Ft. Monmouth, NJ	USA	wkg AEM1UFB MARS Bamberg	ai47
14402		1649	AAR3CB	MARS Shohola, PA	USA	clg AAR2KU, AAR2SN, AAR4USG	ai47
14402		1655	AEM1UFB	MARS Bamberg	D	wkg AAR1HG	ai47
14402		1726	AAV3USG	MARS unid	?	wkg AAR3CB	ai47
14402		1533	AAM3PP	MARS Saint Albans, NY	USA	wkg AEM1UFB MARS Bamberg	ai47
14470		1547	NNN0ERA	MARS Cape Coral, FL	USA	wkg NNN0CYJ	ai47
20048		1009	C	RUSNY Moscow	RUS	cw Channelmarker "C"	abnl
20048		1009	S	RUSNY Arkhangelsk	RUS	cw Channelmarker "S"	abnl

## A E R O

2941	2057		Rostov Volmet	RUS	wkg wx for VOLGOGRAD	ti47
3413	2313		Shannon Volmet	IRL	wkg wx for DUBLIN	ti47
4715	0845	MVU	RAF Upavon Volmet	G	wkg wx for Ancona	ti47
5658	2010		Bombay Aero	IND	wkg QUANTAS 5	ai47
5680	1228		Sweden Air Rescue	S	wkg w/Q96 and Y75 rdo/chk	abnl
5680	1300		Gotland Rescue	S	wkg Riga Rescue rdo/chk	abnl
5680	1301		Kinloss Rescue	G	wkg Seaking 137 rdo/chk	abnl
5680	0811	Navy707	RNY Yeovilton Heli	AIR	wkg Kinloss Rescue	mo76
5680	0856	DAF276	Danish AF Rescue 276	AIR	clg Sweden Air Rescue	mo76
5680	0857		Karup Rescue	DNK	wkg Sweden Air Rescue	mo76
5680	0857		Sweden Air Rescue	S	wkg Karup Rescue	mo76
5680	1115	SAREX6111	Gny a/c MFG-3 Nordholz	AIR	wkg Glücksburg	mo76
5680	1119	G-BIMU	Coast Guard Heli	G	wkg Kinloss Rescue	mo76
5680	1330		Koksijde Rescue	BEL	wkg BAF 93	abnl
5680	1326		UNID Sounded like 'austin'	4772	USB w/'austin' Rescue.	
					Must be a station from NW Europe	abnl
5685	0951	MKH5	RAF Finningley *)	G	wkg wkg CWL84	mo76
5685	0951	CWL84	RAF a/c Cranwell Base	AIR	wkg MKH5	mo76
5685	0958		COMPAMARE Civitavecchia	I	clg Rescue ILC	mo76
5687	1249	DHO23	AF Landsberg	D	r/chk with DHM91	mo76
5687	1003	DHM91	AF Münster	D	r/chk with DHO23	mo76+ai47
5687	1005	DHO60	AF Hohn	D	r/chk with DHM91	ai47
5714	0915	(CHARLY)	unid FAF	F	wkg E6N, ship-plot	ti47
5717	0955	DHM91	GAF Muenster	D	wkg aviation wx NO.47	ti47
6604	2233		New York Volmet	USA	wkg wx for Milwaukee	ti47
6628	0010		BA3194 British Airways	AIR	wkg New York Aero, report	ti47
6693	0014		Novosibirsk volmet	RUS	wkg wx ending	ti47
6693	1407		Jekaterinburg Volmet	RUS	wkg wx for "Pogan"	ti47
6730	1408		Aktyubinsk Volmet	KAZ	wkg wx for unid ap	ti47
8190	1446	ARCHITECT	RAF Upavon	G	wkg wx	ti47
8879	1736		Moroni Aero	COM	wkg Emirates 462	nr76
8888	2026		Luanda Aero	AGL	wkg KLM598	ai47
8965	1410	CUW	USAF Lajes	AZR	wkg REACH7916	ti47
8992	0002	AFE3	USAF Mac Dill	USA	wkg SKYKING	ti47
9010	1413		Unid	?	testing 1234554321, in EE	ti47
9013	1412		Unid	?	wkg 9HP, end-item	ti47
9037	1357		Unid	?	OMS wkg in scandinavian	ti47
10315	0837	METEO-10	GAF Flight	AIR	clg DHN66, selcall-req.	ti47
10315	1421	MAGIC-56	GAF Flight	AIR	clg DHN66, rdock, wx-req.	ti47

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11175	1257	REACH901	USAF Flight	AIR	clg	INCIRLIK, zgn	ti47
11309	1402		Sta. Maria Aero	AZR	wkg	AIR FRANCE 371	ti47
11309	1402	REACH5018	USAF Flight	AIR	clg	STA. MARIA, no joke!!	ti47
13270	1507		New York Volmet	USA	wkg	wx for Chicago	ti47
20133	1430	ARCHITECT	RAF Upavon	G	wkg	color-state-wx	ti47

## M A R I T I M E

1619.5	1742	PCH	Scheveningen R.	HOL	cw-id,	SITOR-mkr	ti47
1704	1744	OXZ	Lyngby R.	DNK	wkg	Nav-warns.	ti47
1711	2334	SDJ	Stockholm R.	S	wkg	galewarns, navwarns	ti47
1713	2350	PCG	Scheveningen R.	HOL	wkg	gale-warnings	ti47
1716	1745	PCG	Scheveningen R.	HOL	wkg	phonepatch	ti47
1734	0009	OXZ	Lyngby R.	DNK	wkg	phone	ti47
1856	1748	GND	Stonehaven R.	G	wkg	phone	ti47
2182	0015	EJM	Malin Head R.	IRL	wkg	MAYDAY-RELAY	ti47
2182	0005		Tyne Tees CGR	G	clg	Aberdeen CGR	nr76
2182	1809	7TB	Annaba R.	ALG	wkg	Bizerte R.	nr76
2182	1809	3VB	Bizerte R.	TUN	wkg	Annaba R.	nr76
2202.5	0022		Unid, RUSNy?	?	wkg	OMs in RUS,coded-msgs	ti47
2226	1836		HMCG Humber	G	wkg	phonepatch to RN in?	ti47
2586	2155	OXZ	Lyngby R.	DNK	wkg	navigational warnings	ti47
2625	1734	DHJ59	GNY wilhelmshaven	D	wkg	unid GNY warship	ti47
2625	2106	DRAV	FGS Karlsruhe	IW	wkg	DHJ59, msgs, qsl gru	ti47
2761	1851	OSU	Oostende R.	BEL	wkg	navigational warnings	ti47
3108	2119		German Civil Ships	IW	wkg	smalltalk, holidays	ti47
3542.5	2311	GKE1	Portishead R.	G	cw-id	SITOR-mkr	ti47
3615.5	2317	GKY1	Portishead R.	G	cw-id	SITOR-mkr	ti47
3782	2322	CTP	NATO IBERLANT Oeiras	POR	cw	VVV-maker	ti47
4065	2331	TBO	Ny Izmir	TUR	cw id	VVV T23C.....	ti47
4154.5	2017	DRAV	FGS Karlsruhe	IW	wkg	DHJ59, msgs, zes2	ti47
4247.5	0058	PPR	Rio de Janeiro R.	B	cw-cq		ti47
4265	2139	PPL	Belem R.	B	cw-vvv-mkr		ti47
4550.5	2343	TBU5	Unid TURNY	TUR	cw-id with	VVV	ti47
6395	0000	AQP	PAKNy Karachi	PAK	cw VVV VVV VVV	AQP2456	ti47
6449	0003	4XZ	ISRNY Haifa	ISR	cw	VVV-mkr	ti47
6467	0005	VTG	INDNY Bombay	IND	cw	VVV-mkr	ti47
6502	0027	TBB6	TURNY Ankara	TUR	cw	VVV TBJ DE TBB6 QRP	ti47
8130	0048	TBO	TURNY Izmir	TUR	wkg	T23C VVV DE TBO.....	ti47
8297	0840	ZLM	Taupo Maritime R.	NZL	wx,	tent id, vy weak	ai47
8335.5	0008	DRNM	FGS Juist	IW	wkg	DHJ59, msgs, qsl, gru	ti47
8335.5	2214	DHJ59	GNY wilhelmshaven	D	wkg	unid German warship	ti47
8417	0630	ZLA	Awanui R.	NZL	cw-id +	SITOR	hb31
8435.5	2315	LPD	General Pacheco R.	ARG	cw-id,	SITOR-mkr	ti47
8445	1631	KFS	San Francisco R.	USA	cw-cq		hb31
8445.5	0036	WLO	Mobile R.	USA	cw-de,	qsx	ti47
8448	2317	A9M	Bahrain R.	BHR	cw-cq		ti47
8452	2015	VIT	Townsville R.	AUT	cw-cq +	wx	nr76+hb31
8460.5	2316	PPJ	Juncao R.	B	cw-vvv		ti47
8470	2020	XVG	Haiphong R.	VTN	cw-cq,	tfc-list	nr76
8489	2320	AQP2	PAKNy Karachi	PAK	cw-vvv		ti47
8502	0039	PPL	Belem R.	B	cw-de,	qsx	ti47
8520.1	2323	PPO	Olinda R.	B	cw-vvv		ti47
8521	2300	VIP	Perth R.	AUS	cw-cq		pcG
8522	2213	CBV	Playa Ancha Zonal R.	CHL	cw-vvv		ti47
8522.5	0840	FFL4	St.Lys R.	F	cw	wx	abnl
8530	1710	UJE	Moscow R.	RUS	cw w/unid	vessel	abnl
8541	0838	LYL	Klaipeda R.	LTU	cw-marker		abnl
8555.5	0835	UIW	Kaliningrad R.	KAL	cw w/UBCI		abnl
8557	1331	SPE41	Szczecin R.	POL	cw	Qsx	abnl
8559	1509	GKB4	Portishead R.	G	cw	Qsx msg	abnl
8571	1708	UFN	Novorossiysk R.	RUS	cw	tfc-list	abnl
8571	1357	JNA	Tokyo Coast Guard	J	cw-cq		ti47
8573	2218	CLA	Havana R.	CUB	cw-cq		ti47
8588	2330	HPP	Panama Intelmar R.	PNR	cw-vvv	cq	ti47
8590.5	2059	XVS	HoChiMinh-Ville R.	VTN	cw-cq,	tfc-list	nr76
8602	2334	CWA	Cerrito R.	URG	cw-cq		ti47
8611.5	1705	TAH	Istanbul R.	TUR	cw	tfc-list	abnl

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8635	1702	UTQ	Kiev R.	UKR	CW-cq	abn1
8624	2339	XSQ	Guangzhou R.	CHN	CW-cq	ti47
8632	2346	XSW	Kao-shiung R.	TWN	CW-cq	ti47
8634	2356	PPR	Rio de Janeiro R.	B	CW-vvv	ti47
8646	2357	LPD86	General Pacheco R.	ARG	CW-vvv	ti47
8665	2227	XSG	Shanghai R.	CHN	CW-cq	ti47
8688.5	0051	ZSC	Capetown R.	AFS	CW-cq	ti47
8694	1315	XSZ	Dalian R.	CHN	CW-cq-call	ai47
8698	2230	7TF6	Boufarik R.	ALG	CW-cq	ti47
8700	2236	9AR	Rijeka R.	HRV	CW-vvv	ti47
12581	0638	LSD836	Argentina R.	ARG	CW-id + SITOR	hb31
12607	0923	OFJ	Helsinki R.	FNL	CW OFJ QSX 4 MHZ K	ti47
12808.5	1418	VTG	Ny Bombay	IND	CW-vvv	ti47
12856	0948	XSG	Shanghai R.	CHN	CW-cq	ti47
12859	0950	SVD5	Athinai R.	GRC	CW-de	ti47
12930	1002	JYO	Aqaba R.	JOR	CW-cq	ti47
12952.5	2305	VIP	Perth R	AUS	CW-cq	pcG

## D I G I T A L

129.1	1141	DCF 49	BMPT Bonn	D	ASCII 200 Encrypted tfc	abn1
147.3	1253	DDH 47	Hamburg Meteo	D	RTTY 50 RYRYRY	abn1
518	2050	GCC	Cullercoats R.	G	SITOR-B 100 Navtex	abn1
518	2348	PBK	Neth. Coast Guard	HOL	SITOR-B 100 Navtex	abn1
518	0000	CROSS	Ile d'Ouessant	F	SITOR-B 100 Navtex	abn1
518	0018	GNI	Niton R.	G	SITOR-B 100 Navtex	abn1
518	0030	SDJ	Stockholm R.	S	SITOR-B 100 Navtex	abn1
518	2148	LGT	Rogaland R.	NOR	SITOR-B 100 Navtex	abn1
518	2151	GNI	Niton R.	G	SITOR-B 100 Navtex	abn1
518	2248	OST	Oostende R.	BEL	SITOR-B 100 Navtex, 'T'	abn1
1608	0007	DHJ59	GNY wilhelmshaven	D	RTTY 75 encrypted X21E	ti47
1905	2332	SAB	Goteborg R.	S	SITOR-A 100 Tfc	abn1
2064	0019	FUB	FNy Brest	F	RTTY 75 encrypted traffic	ti47
2082	2116		NATO Naval Force	?	RTTY 75 encrypted ship-shot	ti47
2244	2245	I6DH	Czech station (MOI?)	CZE	RTTY 50 Uses 5 c/s. Changes c/s each hour.	abn1
2201	2312		NATO Naval Force	?	RTTY 75 encrypted ship-shot	ti47
2372	2100		F shipping network	IW	SITOR 100 (o.a. FNBP, FNKR, FNAY, FUCD, FNUO, FNXH, FUAB, FNCR)	abn1
2405	2258	DHO26	GNY Rostock	D	RTTY 75 encrypted G220	ti47
2461.5	2133	0A	Irish Navy Dublin	IRL	SITOR-A 100 Routine msgs	abn1
2461.5	2156	81	Irish Navy	IRL	SITOR-A 100 w/37. Routine	abn1
2461.5	2235		Irish Navy Dublin	IRL	SITOR-A 100 Routine msgs	abn1
2474	2314	PBC	Dutch Navy Goeree	HOL	RTTY 75 Availability msgs	abn1
2510	0019	DHJ59	GNY wilhelmshaven	D	RTTY 75 encrypted ship-shot	ti47
2515	2100	TBA	TURNy Ankara	TUR	RTTY 75 msgs 5lg, T12A	ti47
2538	2058	SQBL	mv Ziemia Krakowska	IW	SITOR-A 100 c1g QFKV,QFM	abn1
2578	2209		UNID	?	RTTY 50 Msg w13 102 25 2+3	
2575	2106		NATO Naval Forces	?	RTTY 75 encrypted ship-shot	ti47
2608	2108	FUO	FNy Toulon	F	RTTY 75 id with RY&SG	ti47
2634	0021	DHJ59	GNY wilhelmshaven	D	RTTY 75 encrypted X21E	ti47
2778	1853	M3C5	Polish Army, warszawa?	POL	RTTY 50 id to net Q8PW,RY	ti47
2780	2202	FUC	FNy Cherbourg	F	RTTY 75 unid sta, svc-tfc	ti47
2789	1252	FUE	FNy Brest	F	RTTY 75 Test tape	abn1
2806	0012	IGJ41	INy Augusta	I	RTTY 100 Availability msgs	abn1
2815	2235	IDR8	INy Rome	I	RTTY 75 Availability msgs	abn1
2840.7	0635	DBIF	mv BG22 Neustrelitz	IW	SITOR-A 100 w/Cuxhaven CG	abn1
2840.7	2301	DLGZ	mv BG21 Bredstedt	IW	SITOR-A 100 w/Cuxgaven CG	abn1
2840.7	0904	DLVB	mv Schleswig-Holstein	IW	SITOR-A 100 w/CG Cuxhaven	abn1
2840.7	0916	DBIG	mv BG23 Sellin	IW	SITOR-A 100 w/CG Cuxhaven	abn1
2840.7	0905		Coastguard Cuxhaven	D	SITOR-A 100 Msg to CG ves.	abn1
2840.7	1615	DGOQ	mv Scharhorn	IW	SITOR-A 100 w/CG Cuxhaven	abn1
2840.7	1940	DRCZ	FGS wismar	IW	SITOR-A 100 w/CG Cuxhaven	abn1
2892.3	2254	MGJ	Navy Faslane	G	RTTY 75 Availability msgs	abn1
2896	2256	IGJ41	INy Augusta	I	RTTY 75 Availability msgs	abn1
3172.5	2228	IMB31	Roma meteo	I	RTTY 50 RY tape	abn1
3196	0100		Prague Meteo	CZE	RTTY 50 Wx	abn1

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3206.5	2336		Portuguese Police	POR	SITOR-A 100 Msg to P.Cont	abnl
3390	2312	MGJ	RNY Faslane	G	RTTY 75 CARB-msgs	ti47
3750	2125	RBV71	Meteo Tashkent	UZB	RTTY 50 AAXX reports	ti47
3764.4	2323	PBB	HOLNy Den Helder	HOL	RTTY 75 CARB-msgs	ti47
3832.7	2200	RFF-	Paris FF	F	ARQ342/200/400/2chtoRFFVAY	pcG
4164	0735	DHJ59	GNY wilhelmshaven	D	RTTY 75 encrypted ship-shot	ti47
4167	2142		NATO Naval Force	?	RTTY 75 encrypted ship-shot	ti47
4214	0909	IDR	INy Roma	I	RTTY 75 CARB-msgs	ti47
4232	0030	FUF	FNY Fort de France	MRT	RTTY 75 testing, RY&SG	ti47
4256	2147	DHJ59	GNY wilhelmshaven	D	RTTY 75 encrypted x21E	ti47
4295	0100	HWN	FNY Paris	F	RTTY 75 id-tape, RY-SG	ti47
4512.5	2253	ETD3	Addis Abeba Aero	ETH	RTTY 50 airmove-changement	ti47
4570	1923	HZN46	Meteo Jeddah	ARS	RTTY 100 METAR-reports	ti47
4628	1940	RFF-	FF mil	F	ARQE/72/400	pcG
4784	1730	RFF-	FF mil	F	ARQE/72/400 UEF Ex BRIGATRANS	pcG
					"RFFEDFE DE RFFEDFM"	pcG
4813	2152	LZA8	Meteo Sofia	BUL	RTTY 50 AAXX-reports	ti47
4903	1059	DHJ51	Meteo Grengel	D	RTTY 100 id, CQ and RY	ti47
5097	2217	CFH	RCN Halifax	CAN	RTTY 75 "ZKR-tape"	ti47
5400	0855	YOG37	Meteo Bucuresti	ROU	RTTY 50 AAXX-reports	ti47
5430	0857	RVM75	Meteo Tashkent	UZB	RTTY 50 AAXX-reports	ti47
5062.6	1950	---	UNID?-poss FF	?	ARQE/192/400 cont idle	pcG
5064	0930	RFF-	FF mil	F	ARQE/72/400 UFA "EXOREG"	pcG
5121	daily	---	UNID?-poss FF	?	ARQE3/192/400 cont idle	pcG
5142	0950	RFF-	FF mil	F	ARQE/72/400 UAF "EXPLOITEX"	pcG
5250	1656	RFF-	FF mil	F	ARQE/72/400UFI EXBRIGATRANS	pcG
5327.7	1300	---	UNID?-poss FF	?	ARQE/48/400 cont idle	pcG
5400	1635	YOG37	Bucharest METEO	ROU	RTTY 50 cont met	pcG
5746	1539	RFF-	FF mil	F	ARQE/72/400 UAF"de RFFHCFA"	pcG
5725	0922		Unid	?	RTTY 50 msgs, 5ng	ti47
5752.5	0948	HBD20	MFA Berne	SUI	SITOR-A 100 w/embassies	abnl
5752.5	0940	HBD64	SUI Emb Bonn	D	SITOR-A 100 Msg to MFA	abnl
5752.5	0948		SUI Emb Brussels	BEL	SITOR-A 100 Msg to MFA	abnl
5757	1645	HBD20	Berne MFA	SUI	SITOR/A long 5ltr gps	pcG
5773	1051	HBD25	SUI Emb Tel Aviv	ISR	SITOR-A 100 w/MFA	abnl
5773	1048		MFA Berne	SUI	SITOR-A 100 to Emb TelAviv	abnl
5773	1319		SUI Emb Paris	F	SITOR-A 100 Msg to MFA	abnl
5773.2	1640	HBD20	Berne MFA	SUI	SITOR/A long 5ltr gps	pcG
5787	0900	RFF-	FF mil	F	ARQE/72/400 UAF "EXOREG"	pcG
5887.5	2221	IMB32	Meteo Roma	I	RTTY 50 CQ, RY&SG	ti47
6318	2224	IDR	INy Roma	I	RTTY 75 CARB-msgs	ti47
6333	0812	IGJ	INy Augusta	I	RTTY 100 CARB-msgs	ti47
6385	1018	FUO	FNY Toulon	F	RTTY 75 RY SG	ti47
6483	1052	PBB	RNNy Den Helder	HOL	RTTY 75 CARB-msgs	ti47
6929	daily	RFF-	FF mil	F	ARQE/192/170 EHR toAjaccio	pcG
6972	1630	YOG59	Bucharest ROMPRES	ROU	RTTY 50 FF news	pcG
6976	daily	RFF-	FF mil Ajaccio	F	ARQE/192/170 EHQ to Marsei.	pcG
7317	0018	BSB53	Lanzhou Meteo	CHN	RTTY 75 AAXX-reports	ti47
7625	2245	HZN47	Meteo Jeddah	ARS	RTTY 100 AAXX-reports	ti47
7658	1440	YZI223	TANJUG Belgrade	YUG	RTTY 50 EE-nx, economy	ti47
7693	0041	3BT3	Meteo Bigara	MAU	RTTY 75 Metar-reports	ti47
7808	1425	DFZG	MFA Belgrade	YUG	RTTY 75 RY 5min,tfc-list	ti47
7810	1333		Unid	?	RTTY 50 msg-bits of 5ng,	ti47
8050.2	2310	RFQP	Jibouti FF	DJI	ARQ342/200/400/2ch QPB/QPC	pcG
8145	1053	EIP	Shannon Aero	IRL	RTTY 50 TAF-wx,svc-tfc	ti47
8148	1400		MFA Warsaw	POL	POL-ARQ 100 w/embassies	abnl
8151	1056	IGJ	INy Augusta	I	RTTY 100 CARB-msgs	ti47
8317	1148		NATO Naval Force	?	RTTY 75 encrypted ship-shot	ti47
8478.5	2317	FUF	FNY Fort de France	MRT	RTTY 75 RG&SY	ti47
8538	2324	6WW	FNY Dakar	SEN	RTTY 75 RY & SG	ti47
8650	1325	SBP43	Szczecin R.	POL	SITOR-A 100 w/var.vessels	abnl
8650	1200	SPB43	Szczecin R.	POL	SITOR-B 100 Tfc list	abnl
8703	1130	UCE	Arkhangelsk R.	RUS	RTTY 50 News + tfc	abnl
9041	0004	5YE	Meteo Nairobi	KEN	RTTY 100 AAXX-reports	ti47
9057	1426	DFZG	MFA Belgrade	YUG	RTTY 75 RY, id at 1430	ti47
9130	0005	MGJ	RNY Faslane	G	RTTY 75 CARB-msgs	ti47
10106	0847		NATO Naval Force	?	RTTY 75 encrypted ship-shot	ti47
10162.5	1306	YIL71	INA Baghdad	IRQ	RTTY 50 EE nx	abnl

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10180	1115	MFA Bucharest	ROU	ROU-FEC 164 Tfc	abn1
10213	1237	CNM29 MAP Rabat	MRC	RTTY 50 EE-nx, economy	ti47
10314	1309	MFA Warsaw	POL	POL-ARQ 100 News	abn1
10551.3	1043	GFL23 Meteo Bracknell	G	RTTY 75 BBXX-reports	ti47
10600	1414	XVN37 VNA Hanoi	VTN	RTTY 50 FF-nx	ti47
10805	1228	DFZG MFA Belgrade	YUG	FEC-A 144 Encrypted msgs	abn1
11063	1253	LZU2 Meteo Sofia	BUL	RTTY 50 AAXX-reports	ti47
11149	2021	DFZG MFA Belgrade	YUG	RTTY 75 encrypted	ti47
11638	1057	DDK8 Meteo Quickorn	D	RTTY 50 AAXX-reports	ti47
13586	1513	CNM?? MAP Rabat	MRC	RTTY 50 harmonic?Spurious?	ti47
14387	1552	Unid	?	RTTY 75 cont. jumping fox	ti47
14775	1033	DOR MFA Sofia	BUL	RTTY 75 diplo-nx in BB	ti47
15821.9	1405	SAM MFA Stockholm	S	SWED-ARQ 100 Messages	abn1
15920	1448	CFH NY Halifax	CAN	RTTY 75 NAWs, ZKR-tape	ti47
15942	0950	OMZ MFA Bratislava	SVK	RTTY 100 News	abn1
16008	1509	DOR MFA Sofia	BUL	RTTY 75 msg 5lg and 5ng	ti47
16227.7	1520	RFFXI Bangui FF	CAF	ARQE/96/400 XZI to Paris	pcG
16278.6	1536	UNID?	?	COQ/8 French msgs	pcG
16992	0952	RBSL INDNY Bombay	IND	RTTY 50 id-tape RY & SG	ti47
17590	1429	HZN49 Meteo Jeddah	ARS	RTTY 100 AAXX-reports	ti47
18388.6	1559	5AF Tripoli Aero	LBY	RTTY 50/400 usual "hlltyf"	pcG

## Q S L - R E V I E W

ITU-Station	Days	rcvd/gvn	QRG	Callsign	Power	Name
AFS-Capetown Radio	15	lt,ppc-qs1/rp	8688.5	ZSC		ti47
AIR-CG Heli 'HL'	16	ppc/fo,irc	5680	'HL'	400 w	dp47
AIR-CG Heli 'MU'	8	ppc,sti,booklet	5680	G-BIMU	400 w	dp47
AIR-Gny Helicopter	79	ppc/fo,ms	5680	'GNY8950'		dp47
AIR-Lynx Heli Westland07	16	ppc,lt,fo,i,poster	5680		175 w	mo76
AIR-RAF Heli	58	ppc,lt,i,sti/fo,irc	5680	'Swallow 91'		dp47
AUS-IPS Beacon Darwin	16	ltr,sti,i	14405	VL8IPS		ai47
AUS-IPS Beacon Darwin	15	ppc,lt,i	20945	VL8IPS	2500 w	mo76
AUS-IPS Beacon Darwin	17	lt,i/USD	20945	VL8IPS		hb31
BHR-Bahrain Radio	22	cd/rp	8448	A9M		ti47
BIH-CFARS Prijedor	96	lt,limited Ham-cd	14384.5	CIS91		ai47
BLR-NDB Grodno/Obukhovo	20	ppc without details	452	'GP'		mo76
BLR-NDB Krupki	20	ppc without details	329	'KQ'		mo76
BLR-NDB Pleshchenitsy	34	ppc,lt	378	'OK'	700 w	mo76
BLR-NDB Svir	20	ppc without details	400	'FC'		mo76
BLR-NDB Svir	21	ppc (via cen. ads)	400	'FC'		nr76
BLR-NDB Vitebsk	20	ppc without details	524	'UU'		mo76
BRM-Yangon Aero	182	ppc,lt f/up 7th try	10066			ai47
BUL-NDB Bailovo	50	ppc	342	'BLO'	1000 w	mo76
BUL-NDB Burgas	50	ppc	321	'BU'	120 w	mo76
CAN-Baffin Aero	190	cd/ms	8891			hb31
CAN-CFARS Quispamsis,NB	193	Ham-cd	14384.5	CIW822		ai47
CAN-CFARS Topsail	95	Ham-cd,lt	14384.5	CIW816	1000 w	ai47
CHL-Playa Ancha Zonal R.	25	cd/rp	8522	CBV	1000 w	ti47
CZE-NDB Kolin	7	ppc	523.5	'LK'	60 w	zeTC
D -'Argonaut'	12	ppc/fo,ms(tactical c/s)	3116	DH066		dp47
D -GAF Penzing	120	ppc,sti,badge/fo,ms	5687	DH023	1000 w	dp47
D -Ndb Berlin	243	ppc,sti	299	'SL''		
zeTC						
D -NDB Diepholz	6	ppc	325	'DP'	25 w	mo76
D -NDB Drewitz	7	ppc (direct)	355	'DRW'	50 w	mo76
D -NDB Egelsbach	10	ppc	386	'EH'		nr76
D -NDB Friedland	243	ppc (via Berlin)	292	'FLD'		zeTC
D -NDB Fulda	21	ppc (via Frankfurt)	376	'FUL'		nr76
D -NDB Rothenburg	10	ppc,i	432	'RO'	50 w	zeTC
D -NDB Lahr	18	ppc (direct)	337	'LHR'	50 w	mo76
D -NDB Lichtenau	14	ppc/rp	341	'LAU'		zeTC
D -NDB Mansbach	21	ppc (via Frankfurt)	21	'MBA'		nr76
D -NDB Munchen	24	ppc (direct)	338	'MNW'	100 w	mo76
D -NDB Munchen	24	ppc (direct)	369	'MNE'	100 w	mo76
D -NDB Nordholz	120	ppc	372	'NDO'		nr76
D -NDB Oberpfaffenhofen	12	ppc,sti (direct)	429	'OBI'	25 w	mo76



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D	-NDB Trent	243	ppc,i	348	'TRT'	100	w	zeTC
D	-NDB Wustrow Lt.	23	ppc,lt,i	314	'WU'	70	w	zeTC
D	-Meteo Grengel	21	lt/rp	4903	DHJ51	1000	w	ti47
D	-Norddeich Radio	4	sti,b,cd/rp	2727	DAN			ti47
D	-Seenotkr. Nis Randers	6y	ppc/ms	1655				hb31
DNK	-NDB Billund	8	ppc,lt,vc/irc	395	'GE'	25	w	zeTC
DNK	-NDB Sevns Klint Fyr	120	ppc (direct)	290	'ST'			nr76
E	-Madrid Radio	18	QSL,b/	8682	EAD	10	kw	ti47
E	-NDB Cabo San Sebastian	10	ppc	291	'SN'			nr76
E	-NDB Costix	14	ppc (via Mallorca)	351	'CST'			nr76
E	-NDB Menorca	14	ppc,lt,i,vc (direct)	344	'MN'			nr76
E	-NDB Porto Colom	14	ppc (via Mallorca)	401	'PTC'			nr76
E	-NDB Zaragoza	42	cd-lt (via cen. ads)	389	'ZRZ'			nr76
EST	-NDB Tallinn/Ulemiste	16	ppc	474	'IB'	400	w	mo76
EST	-NDB Tallinn/Ulemiste	21	ppc,lt	418	'L'			nr76
EST	-NDB Tallinn/Ulemiste	21	ppc,lt	386	'LK'			nr76
EST	-NDB Viljandi	16	ppc,postcd,i	406	'EWZ'	400	w	mo76
EST	-NDB Viljandi	21	ppc,lt	406	'EWZ'			nr76
F	-NDB Istres/Le Tube	9	ppc	390.5	'ITR'	25	w	mo76
F	-NDB Le Puy/Loudes	6	ppc,i	372	'PY'			mo76
F	-NDB Niort-Souche	28	ppc,lt,vc	329	'NS'			nr76
F	-NDB Paris/Charles d.G	42	ppc	364	'RSO'			nr76
F	-NDB Paris/Orly	42	ppc	328	'OLS'			nr76
F	-NDB Paris/Orly	42	ppc	402	'ORW'			nr76
F	-NDB Peyrehorade	120	ppc (tnx to mo76)	470	'PRD'	10	w	nr76
F	-NDB Phare d'Ailly	17	ppc,lt,fo/irc	305.5	'AL'	15	w	zeTC
F	-NDB Rosedo Lt.	20	ppc,fo,lt/irc	287.5	'DO'	25	w	zeTC
G	-Clyde Coast Guard R.	15	ppc,lt,i,calendar	2182		750	w	mo76
G	-Kinloss Rescue	22	ppc,lt/fo,irc	5680				dp47
G	-NDB Brize Norton	56	ppc,lt,vc,i	386	'BZ'			nr76
G	-NDB Northampton	24	ppc	378.5	'NN'	100	w	mo76
G	-NDB Norwich	48	ppc,lt	371.5	'NH'	30	w	mo76
G	-RAF Boulmer Rescue	9	ppc,i/fo,irc	5680	'EGQM'	400	w	dp47
G	-Swansea CGR	25	ppc,lt/ms	2182				hb31
GHA	-Tema R.	58	ppc,schedule/fo,irc	16920	9GX	1000	w	dp47
GRC	-Athens Aero	66	ppc/fo,irc 5th try	5637	'LGAT'			dp47
GRC	-Ikaria Aero	231	ppc,vc/fo,irc	5637	'LGIK'	400	w	dp47
GRC	-Kastelorizo Aero	17	ppc/fo,irc	5637	'LGKJ'	1500	w	dp47
GRC	-Marathon Aero	20	ppc/fo,irc	5637	'LGMR'	1000	w	dp47
GRC	-NDB Kerkyra	49	ppc	403	'KEK'	20	w	mo76
GRC	-Samos Aero	384	ppc,lt	5637		400	w	ai47
GRC	-Samos Aero	1195	ppc,vc/fo,irc	5637	'LGSM'	100	w	dp47
GRC	-Sitja Aero	11	ppc,vc/fo,irc	5637	'LGST'	500	w	dp47
GRC	-Zakintos Aero	25	ppc,lt,vc/fo,irc	5637	'LGZA'			dp47
GRL	-Amassalik R.	22	folder,lt/irc	2250	OZL			hb31
HKG	-Hongkong Radio	17	cd,st/rp	8539	VRX35	5000	w	ti47
HKG	-RNY Hongkong	18	ppc,i/fo,irc f/up	8520	GZO			dp47
HNG	-NDB Pecs	26	ppc/rp back	412	'PP'	100	w	zeTC
HNG	-NDB Budaoers	26	ppc	520	'BS'	100	w	zeTC
HRV	-NDB Dubrovnik/Gruda	34	ppc	414	'GR'	50	w	mo76
HRV	-NDB Vrsar	39	ppc,lt,vc	369	'VRS'	50	w	mo76
HRV	-NDB Vrsar	90	ppc,lt,vc	369	'VRS'			nr76
I	-NDB Cagliari-Elamas	14	ppc	371	'CAG'			nr76
I	-NDB Carbonara	14	ppc (via Cagliari)	402	'CAR'			nr76
I	-NDB Elba	21	ppc (direct)	360	'ELB'	250	w	mo76
I	-NDB Rome/Urbe	41	ppc (direct)	285	'URB'	100	w	mo76
I	-NDB Rome/Urbe	21	ppc (direct)	285	'URB'			nr76
I	-NDB Vieste	11	ppc	405	'VIE'	250	w	mo76
I	-Porto Torres R.	34	QSL-lt/fo,irc via Cagl.	2182	IZN	9th try		dp47
INS	-Bitung R.	17	QSL-lt/fo,irc	8694	PKM	1000	w	dp47
INS	-Palembang R.	17	QSL-lt/fo,irc	8437	PKC	1000	w	dp47
ISL	-Neskaupstadur R.	427	ppc,vc	2182	TFM	1000	w	ai47
IW	-Aberdeen Lifeboat	7	ppc/ms	2128				hb31
IW	-FGS Alster	23	ppc/fo,ms	5680	DRHF			dp47
IW	-FGS Bayern	11	ppc,lt,sti,badge/fo,ms	3116	DRAJ	100	w	dp47
IW	-FGS Breitgrund	12	ppc	3116	DRXS	100	w	ai47
IW	-FGS Bremen	76	ppc/fo,ms	8335.5	DRAQ	1000	w	dp47
IW	-FGS Datteln	135	ppc/fo,ms	3116	DRFA			dp47

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IW -FGS Falke	105	ppc, sti	3116	DRBV	100 w	ai47
IW -FGS Freiburg	37	ppc, sti	4154.5	DRKC		ai47
IW -FGS Fuchs	18	ppc	3116	DRBF	100 w	ai47
IW -FGS Holnis	18	ppc	3116	DRML	100 w	ai47
IW -FGS Juist	11	ppc	3116	DRNM	100 w	ai47
IW -FGS Konstanz	372	ppc/fo, ms	6779	DRED	100 w	dp47
IW -FGS Langeoog	7	ppc	5680	DRNN	100 w	mo76
IW -FGS Mhlhausen	12	ppc/fo, ms	3116	DRMO	100 w	dp47
IW -FGS Passau	15	ppc	3116	DRFJ		ai47
IW -FGS Pl"tze	14	ppc/fo, ms	3116	DRIH	100 w	dp47
IW -FGS Reiher	34	ppc	3116	DRBS	100 w	ai47
IW -FGS Rheinland Pfalz	36	ppc/fo, ms	6779	DRAS	1000 w	dp47
IW -FGS Rottweil	365	ppc/fo, ms	5680	DRET	100 w	dp47
IW -FGS Schwedeneck	19	ppc, fo, lt	4145.5	DRMF	100 w	ai47
IW -FGS Sperber	7	ppc/fo, ms	3116	DRBY		dp47
IW -FGS U-11	8	ppc/fo, ms	3116	DRDE		dp47
IW -FGS U-16	9	ppc, sti	3116	DRDJ	100 w	ai47
IW -FGS U-21	23	ppc	3116	DRDO	100 w	ai47
IW -FGS Westerwald	11	ppc/fo, ms	6779	DRKT		dp47
IW -FGS Wilhelm Pullwer	11	ppc	3116	DRMN		ai47
IW -MT Campania	73	ppc, lt, i/ ms	2182	ITEW		hb31
IW -MT Egitto Express	13	ppc, lt, i/ ms	2182	IBSD		hb31
IW -MT Sicilia	73	ppc/ ms	2182			hb31
IW -MV Irving Arctic	7y	ppc, lt/ ms	2182	VGLN		hb31
IW -MV Oil Transporter	15	ppc, lt/ ms	2182			hb31
IW -NDB Gorm Platform	15	ppc, i	615	'OM'		mo76
IW -St. Ives Lifeboat	6	ppc/ ms	2182			hb31
IW -USS Klakring	305	ppc, fo, lt	14470	NNNOCBU	600 w	ai47
KOR-Seoul Radio	26	lt, sked/ rp	8577	HLO	5000 w	ti47
LTU-NDB Kaunas/Karmelava	25	ppc, i	325	'KAU'	400 w	mo76
LTU-NDB Kaunas/Karmelava	25	ppc, i	343	'KUS'	400 w	mo76
MDG-Toamasina R.	61	ppc, lt, fo/ fo, irc	12680	5RS		dp47
MRC-NDB Nador/Taouima	27	ppc, lt	414	'NDR'	50 w	mo76
MRC-NDB Nador/Taouima	28	ppc, lt, vc	414	'NDR'		nr76
NOR-Bodoe Aero	9	ppc	5680	LIB	6000 w	mo76
NOR-NDB Birkeland	43	ppc (via cen. ads)	345	'BN'	100 w	mo76
NOR-NDB Grefsen	43	ppc (via cen. ads)	376	'GF'	100 w	mo76
NOR-NDB Grefsen	35	ppc (via cen. ads)	376	'GF'		nr76
NOR-NDB Haamar	43	ppc (via cen. ads)	371	'HAA'	100 w	mo76
NOR-NDB Omastrand	43	ppc (via cen. ads)	326	'OMA'	100 w	mo76
NOR-NDB Oslo	52	ppc/ ms	352	'OA'		hb31
NOR-NDB Rygge	43	ppc (via cen. ads)	381	'RG'	100 w	mo76
NOR-NDB Orland Tarva	35	ppc (via cen. ads)	349	'TAR'		nr76
NOR-NDB Vardal	43	ppc (via cen. ads)	387	'VDL'	100 w	mo76
NOR-PTT Oslo	11	cd/ rp	5470	LN2A	1000 w	ti47
NZL-Awanui R.	13	cd/ - via HQ	8417	ZLA		hb31
NZL-RNZN Auckland	30	lt/ rp	8601.5	ZLO	10 kw	ti47
POL-NDB Dziwnow Lt.	32	ppc/ irc	287.5	'DZ'	50 w	zeTC
POL-NDB Hel Lt.	13	ppc, NDB-list	306.5	'H'	50 w	zeTC
POL-NDB Jaroslawiec	16	ppc, fo	295.5	'JA'	50 w	mo76
POL-NDB Jaroslawiec	26	ppc, lt	295.5	'JA'	100 w	zeTC
POL-NDB Lubin	37	ppc/ irc	351	'LUB'	200 w	zeTC
POL-NDB Rozewie Lt.	32	ppc/ irc	310.5	'RO'	50 w	zeTC
POL-NDB Rozewie Lt.	21	ppc (via cen. ads)	310.5	'RO'		nr76
POL-NDB Swidnik	37	ppc	622	'SK'	400 w	zeTC
POL-NDB Wroclaw-Strachowice	37	ppc	255	'H'	300 w	zeTC
POR-NATO Oeiras	12	lt/ rp	6389	CTP		ti47
QAT-Doha Radio	22	lt/ rp	8473.5	A7D	2000 w	ti47
ROU-NDB Arad	14	ppc, lt (via cen. ads)	398	'K'	250 w	mo76
ROU-NDB Galati/Sendreni	17	ppc (via cen. ads)	413.5	'GLT'	250 w	mo76
ROU-NDB Oradea	17	ppc (via cen. ads)	418	'ORA'	250 w	mo76
ROU-NDB Sibiu	14	ppc, lt (via cen. ads)	381	'SIB'	250 w	mo76
ROU-NDB Tirgu Mures	17	ppc (via cen. ads)	428	'TGM'	250 w	mo76
RUS-Gelendszhik R.	70	ppc (rcvd via AUT OM)	12729	UVA		hb31
RUS-NDB Stavropol	28	ppc	358	' '		nr76
S -Kiruna R.	8	ppc	5680		300 w	mo76
S -NDB Bacchus	25	ppc (via cen. ads)	416	'BCS'		mo76
S -NDB Falk"ping	25	ppc (via cen. ads)	366	'SF'		mo76

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S -NDB Joenkoeping	6	ppc/ms	402	'OJ'		hb31
S -NDB Ljungy/Feringe	25	ppc (via cen. ads)	359	'OF'		mo76
S -NDB Söderhamn	25	ppc (via cen. ads)	365	'WS'		mo76
S -NDB Söderhamn	14	ppc (via cen. ads)	365	'WS'		nr76
S -NDB Stockholm	25	ppc (via cen. ads)	364	'NW'		mo76
S -NDB Stockholm	46	ppc (direct)	364	'NW'	25 w	mo76
S -NDB Sveg	25	ppc (via cen. ads)	368	'OY'		mo76
SLO-MFA Bratislava	120	ppc,rp/rp	9266	OMZ66		ti47
SNG-Singapore R.	50	lt,b,pc/rp	6340	9VG9	3000 w	ti47
SRL-Colombo R.	27	ppc,lt/irc	8473	4PB		hb31
SVB-Longyear Aero	23	ppc (direct)	5680		1000 w	mo76
SVK-NDB Dubove	14	ppc (via Bratislava)	310	'DBV'		nr76
SVK-NDB Jelsava	14	ppc (via Bratislava)	489.5	'JEL'		nr76
SVK-NDB Kosice/Haniska	48	ppc (via Bratislava)	385	'J''		nr76
SVK-NDB Nitra	67	ppc (via cen. ads)	398	'NIT'	100 w	mo76
SVK-NDB Pernek	67	ppc (via cen. ads)	477	'RP'	100 w	mo76
SVK-NDB Sliac	14	ppc,lt (direct)	486	'FX'	100 w	mo76
SYR-CFARS Golan Heights	81	ppc,lt	14384.5	VXV9	1500 w	ai47
UKR-Mariupol R.	14	ppc	8620	USU		nr76
URG-Cerrito Radio	34	lt/rp	8602	CWA		ti47
USA-Chatham Radio	206	lt/rp	8630	WCC		ti47
USA-MARS Binghampton,NY	21	ppc,Ham-cd	13927	AFA1YV	1500 w	ai47
USA-MARS Lexington,KY	15	ppc,Ham-cd	14606	AFF2CP	500 w	ai47
USA-MARS Rockledge,FL	22	ppc	13927	AFA2AG	1200 w	ai47
USA-MARS Salt Spring,FL	105	ppc	13927	AFA2XZ	1000 w	ai47
USA-MARS Satellite Beach	19	ppc	13927	AFA2XD	600 w	ai47
USA-MARS Shelbyville,IN	14	ppc	13927	AFA1EN	950 w	ai47
USA-MARS Shelbyville,IN	14	ppc	13927	AFA1FT	950 w	ai47
USA-MARS Smyrna,GA	19	ppc,Ham-cd	13927	AFA2XW	500 w	ai47
USA-MARS Thorsby,AL	67	ppc,Ham-cd	13927	AFA2RU	800 w	ai47
USA-Mobile Radio	24	lt,b/rp	12660	WLO		ti47
USA-NCC Arlington, VA	18	ppc,lt,cd,i,keyring	10493	KGD34	100 w	mo76
USA-San Francisco R.	334	lt/rp	12925.5	KPH		ti47
USA-Tuckerton R.,NJ	56	cd,lt	16916.5	WSC	5-10 kw	ai47
VTN-Da Nang R.	25	ppc,fo/irc	8570	XVT		hb31
VTN-Haiphong R.	33	ppc,lt	16945	XVG	2000 w	mo76
VTN-Haiphong R.	58	lt/fo,irc	8470	XVG		dp47

ppc=prepared card, lt=letter, i=information, fo=photo, sti=sticker, vc=viewcard,

cd=card, irc=international reply coupon, ms=mint stamps, rp=return postage, sked=schedule

## Addresses/Infos/Veri-signers:

HAARP is the disputed "High Frequency Active Auroral Research Program", backed by the US defence authorities, especially the Navy. The test transmission was especially for Hams. I don't know whether this transmission was just a propaganda gag or a serious try to make a military project transparent for the public. (rk50)

to mo76: As far as I know moved Finningley to Cranwell several years ago. The 3-letter code of the aircrafts changed also from FYY (ex Finningley) to CWL (now Cranwell) (ed).

CFARS Quispamsis,NB/CIW822: Mr. Peter Galant, 102 Colton Brook Rd., Quispamsis, NB E2G 1R3, CANADA (Ham-c/s: VE9KV) (ai47)

CFARS Golan Heights/VXV9: Commander, Canadian Contingent, United Nations Middle, East, ATTN: CFARS...CPL Herb Marr, CFPO 5002, Belleville, ONT K0K 3R0, CANADA or: ATTN: CPL L.A. Barnett, ONT K8N 5W6, who verified my report. (ai47)

CFARS Topsail/CIW816: Mr. Ken Knee, P.O. Box 149, Topsail, Conception Bay South,

NFLD A0A 3Y0 (Ham-c/s VO1KH) (ai47)

CFARS Prijedor/CIS91: Mr. Jeff wood, 22 Laroche Crescent, Petawawa, ONT K8H 3H4 (Ham-c/s VE3PAI/T9)

INFO from the letter: "The station was located on a hilltop near the town of

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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 Kenwood TS 450-S(AT) All Mode transceiver and a Dipole antenna cut for 14.200 Mhz." (ai47)

Neskaupstadir R./TFM: Gufunes Telecommunications Centre, Box 12240, 132 Rykjavik  
Yangon Aero: Department of Civil Aviation, 104 Strand Road, Yangon, Myanmar

v/s Thet Lwin, Radio Engineer, Yangon Int'l Airport (ai47)

Tuckerton R., NJ/WSC: v/s Kaye Montz, Administrative Assistant (viaWLO ads)(ai47)

Bodoe Aero/LIB: Bodoe Aeradio, P.O. Box 814, N -8001 Bodoe (mo76)

Longyear Aero: Mathias Bjerrang (JW5NM), PO Box 498, N-9170

Longyearbyen, Svalbard (mo76)

MFA Bratislava/OMZ66: Ministry of Foreign Affairs, Chief Radio Operator,  
Stromová 1, 83336 Bratislava, Slovakia (ti47)

Mariupol R./USU: v/s B. Borovik, Manager of Broadcasting Department of AzSCO (nr76)

NDB Burgas/BU + Bailovo/BLO: ATSA, Sofia Airport, BG- 1540 Sofia (mo76)

NDB Dubrovnik/GR: Air Traffic Service Authority, ATS Center Dubrovnik, 20117

Dubrovnik Airport (mo76)

NDB Jaroslawiec/JA: Cen. Ads. maritime: Urzad Morski w Gdyni, Pion Oznakowania  
Nawigacyjnego, ul. Chrzanowskiego 10, PL -81-338 Gdynia (mo76, zeTC)

NDB Nador/NDR: Office National des Aéroports, Le Commandant de l'Aéroport,  
Aéroport Nador-Taouima, Nador (mo76/nr76)

NDB Northampton/NN: Sywell Aerodrome Ltd., Sywell, Northampton NN6 0BT (mo76)

NDB Norwich/NB: Norwich Airport Ltd., Amsterdam Way, Norwich NR6 6JA (mo76)

NDB Viljandi/EWZ+Tallinn/IB: Heiki Palusaar, Puiatu, EE- 2961 Viljandi MK (mo76)

NDB's EWZ/L/LK: Lennuliikluseeninduse Keskus, Estonian Air Navigations Services,  
Lennujaama 2, EE-0011, P.O. Box 9, Tallinn (v/s Mati Tarlap) (nr76)

NDB Vrsar/VRS: North Adria Aviation, HR- 53450 Vrsar-Airport (mo76/nr76)

NDB Pecs/PP + Budaörs/BS: Légiforgalmi és Repülöten Igazgatóság, Navigációs  
Osztaly, P.O. Box 53, H- 1675 Budapest/Ferihegy (zeTC)

NDB Kolin/LK: Aeroklub Kolin, Letiste, P.O. Box 59 CZ-280 00 Kolin (zeTC)

NDB Phare d'Ailly/AL: F-76119 Ste. Marguerite Sur Mer (v/s Tournalle René)(zeTC)

NDB Niort-Souche/NB: Aérodrome de Niort Souche, Chambre de Commerce et  
d'Industrie des Deux-Sevres, Avenue de Limoges, F- 79000 Niort (nr76)

NDB's Paris: Aeroports de Paris, Service Technique de la Securite Aerienne Nord,

Batiment CANA, Rue de l'Echelle, B.P. 20102 Roissy CDG Cedex (nr76)

NDB Egelsbach/EH: Hessische Flugplatz GmbH, Egelsbach Haus 5+6, D- 63329  
Egelsbach (nr76)

NDB Stavropol: Stavropolskaja Akzionernaja Aviakompanija, Aeroport, ROS-355010,  
g, Stavropol (nr76)

NDB Menorca/MN: AENA, Direccion regional de Navegacion Aerea, Region Balear,  
Aeropuerto de Menorca, E- 07712 Mahon, Menorca (v/s Francisco Orfila Pons, Jefe  
de Mantenimiento) (nr76)

NDB Brize Norton/BZ: Royal Airforce Brize Norton, CIS ENG FLT, Carterton,  
Oxfordshire, OX18 3SD (nr76)

IMPORTANT \* IMPORTANT \* IMPORTANT \* IMPORTANT \* IMPORTANT \* IMPORTANT \* IMPORTANT

Please, please and please again: If you send in your logs and QSL's/Info, use the format which is used here. It will save much time and work for me!!! Many thanks!!!!!!!

Membership fees: Here is a summary for paid Newsletters. The figure in clamps means for how many issues you have already paid, including this issue: ua58 (7),

rb61 (6), pb40 (9), cbs (11), pcG (1 - due to renew!), fd40 (6), zeTC (6), fgI (7), bg48 (6), kjs (9), wk08 (6), hl71 (4), fmI (9), rmCAN (3), km40 (6), tm47 (4), koCH (9), mo76 (6), rp47 (6), dp47 (6), rr38 (6), hs61 (6), es50 (4), ps50 (6), js38 (6), ht45 (6), sw67 (6). (So we have 27 members + nr76, ti47 and myself. We start with a total of 30 members. (Without Internet members).

And we also have our first new member: It's Gurdip from the United Kingdom. A very warm welcome to you. Hope you have some fun with our utility journal!!!

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Many thanks to the following (10) contributors: mo76, dp47, hb31, ti47, zeTC, rk50, pcG, abNL, nr76, ai47

And that is the end of our first EUNL. I think that this was a very good start. If anyone of you has nice copies of seldom QSL's or other stuff that can be published, do not hesitate to send it to me. See you all (and many more) next month. I wish you what... + 73'

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EUROPEAN UTILITY NEWSLETTER 5-97

\*\*\*\*\*  
\* Editor: Andreas Ibold, Mittelstr. 10, D-47441 Moers, GERMANY \*  
\* Tel.: (49) 02841 / 178529 \*  
\* Treasurer: Norbert Reiner \*  
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\* foreign currency - no cheques please!! \*  
\* \* \* \* \*  
\* Deadline: 20th of the month!!! \*  
\* \* \* \* \*  
\*\*\*\*\*

Hi everybody,

thanks for the positive echo from the working minority on the first EUNL. I really hope that the silent majority is also pleased. The Internet version is a little bit shorter than the paper edition due to some material from photocopies.

N D B

198	0206	DIW	Dixon,NC	USA	id	aiDO
216	0135	CLB	Wilmington,NC	USA	id	aiDO
232	0244	GT	Grand Turk Int'l	TCA	id	aiDO
303a	1241	BHN	UNID	?	id	aiDO
325	1125	LRN	La Romana	DOM	id	aiDO
326	0209	BHF	Freeport	BAH	id	aiDO
329	0230	CH	Charlestown,SC	USA	id	aiDO
330	1454	SJ	San Juan	PTR	id	aiDO
332	0221	YFM	La Grande 4,PQ	CAN	id	aiDO
344	0150	ZIY	Georgetown	CYM	id	aiDO
344	0248	JA	Jacksonville,FL	USA	id	aiDO
345	0010	BGI	Bridgetown	BRB	id	aiDO
353	0241	HOT	Higuerote	VEN	id	aiDO
356	0208	PB	Palm Beach	USA	id	aiDO
360	1143	BFI	Beef Island	VRG	id	aiDO
360	0202	KIN	Kingston	JMC	id	aiDO
362	0158	GND	Point Salines	GRD	id	aiDO
369	0953	ZDX	Coolidge	ATG	id	aiDO
376	0253	ZIN	Great Inagua	BAH	id	aiDO
378a	0224	CMU	UNID	?	id	aiDO
382	0218	POS	Port of Spain	TRD	id+tone+E	aiDO
385	2250	AVN	Vilnius	LTU	id	zeTC
387	0256	PV	Providenciales Int'l	TCA	id	aiDO
391	1135	DDP	Dorado-San Juan	PTR	id	aiDO
394	2235	MEL	Metlika	HRV	id	zeTC
396	2237	RON	Ronchi die Legionari	I	id	zeTC
400	1749	HIV	Santo Domingo	DOM	id	aiDO
410	1739	HER	Santo Domingo	DOM	id	aiDO
415	0214	CBC	Cayman Brac	CYM	id	aiDO

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423	2158	ZO	Zitorada	YUG	id+tone	zeTC
424	1926	PIS	Pisarovina (tent)	HRV?	id+tone (ex PI ?)	zeTC
425	1129	PCA	Punta Cana	DOM	id with E	aiDO
425	2153	ERT	Erfurt-west	D	id	zeTC
425	2203	PI	Pii	UKR	id	zeTC
428	2205	SEX	Sembach	D	id	zeTC
428	2113	TGM	Tirgu Mures	ROU	id	zeTC
429	2207	GBL	Giebelstadt	D	id	zeTC
433	2202	CRE	Cres-Slnd	HRV	id+tone	zeTC
436	2210	FRA	Sarajevo/Butmir	BIH	id+tone	zeTC
445a	0151	PPA	UNID	?	id	aiDO
452	2126	ANS	Ansbach	D	id	zeTC
468	2128	FTZ	Fritzlar	D	id	zeTC
518	0008	TM	Tomakovka	UKR	id	zeTC
525	0011	CH	Chernyakhov	UKR	id	zeTC
525	1703	M	Mostkowo	POL	id	zeTC
534	1841	RN	Ostrava-Mosnov/Rona	CZE	id	zeTC
563	0018	LA	Namest nad Oslavou	CZE	id	zeTC
580a	1658	KT	UNID	?	id (8x = 1 min)	zeTC
588	2044	P	Katowice-Pyrzowice	POL	id	zeTC
588	2314	SN	Simferopol	UKR	id	zeTC
600a	1653	AR	UNID	?	id (9x = 1 min)	zeTC
617	2217	SV	Steblev	UKR	id	zeTC
633	0026	BE	Berezhany	UKR	id	zeTC
635	0029	GH	Minsk	BLR	id	zeTC
669	1852	L	Karlovy Vary-Vrata	CZE	id	zeTC
672a	1853	DT	UNID	?	id (8x = 1 min)	zeTC
695	1856	T	Trencin	SVK	id	zeTC
708a	2026	B	UNID	?	id (8x = 1 min)	zeTC
718	1657	SL	Soloveyevka	UKR	id	zeTC
718a	1820	AN	UNID	?	id (4x double id=1 min)	zeTC
770	1911	LR	Krakow-Balice	POL	id	zeTC
778	0050	GR	Krasnograd	UKR	id	zeTC
785	1901	OW	UNID	?	id (8x = 1 min)	zeTC
873a	1915	WO	UNID	?	id (8x = 1 min)	zeTC
950	0117	KM	Komisarivka	UKR	id	zeTC
955	0119	ZD	Divin	BLR	id	zeTC
985	2245	CP	Brest	BLR	id	zeTC
1083	2334	AU	Auly	UKR	id	zeTC
1150	2350	RV	Rzhevka	UKR	id	zeTC
1155	2224	KA	Kanev	UKR	id	zeTC
1175	2354	RA	Rokytna	RUS	id	zeTC

Some solved unid NDB's by nr76: AL-342 = Miroslawiec, EG-511 = Poznan/Lawica, GA-478 = Powidz, GO-316.5 = Drawsko, SC-442 = Darlowek, SJ-395 = Sochaczew, UK-392 = Inowroclaw. (All polish)  
(aiDO is your ed with QTH Punta Cana, Dominican Republic)

## F I X E D

2834	2016	FDC	FDC Metz	F	cw-vvv	zeTC
3090	2214		RUSNy	RUS	cw channelmarker "L"	ti47
3213	2128		Unid, TS?	RUS	cw timestrings: =990028??8	ti47
					Moscow Time!	ti47
3314	2221	HEP3	INTERPOL Zurich	SUI	cw-vvv	pcG+ti47
3326.5	2135	FDI22	FAF Narbonne	F	cw-vvv	ti47
3332	1900	HEP3	INTERPOL Zurich	SUI	cw-vvv	zeTC
3347	0436	FDE14	FAF Contrexeville	F	cw-vvv	zeTC
3358	1856	TBH3	Ny Golcuk	TUR	cw-vvv	zeTC
3678	1900	SXH	Ny Khania	GRC	cw-vvv	pcG
3685	1905	SXA	Ny Piraeus	GRC	cw-vvv	pcG
3712	2031	SXA33	Ny Piraeus	GRC	cw-vvv	pcG
3768.5	2228	FDC	FAF Metz	F	cw-vvv	ti47
3782	1910	CTP	Oeiras NATO	POR	cw-vvv	pcG
3837	2155	FDE14	FAF Contrexeville	F	cw-vvv	zeTC

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3963.5	0715	FDE14	FAF Contrexeville	F	CW-vvv	ti47
3972	0716	DPQT	unid, RUS-Army?	?	CW clg w5Q8	ti47
4073	2155		unid, TS?	RUS	CW timesignal: 0055, Moscow Time!	ti47
4557	2242	FDG	FAF Bordeaux	F	CW-vvv	ti47
4804.5	0919	FDE14	FAF Villacoublay	F	CW-vvv	ti47
4856	0730	FDG	FAF Bordeaux	F	CW-vvv	zeTC
4865	1830	FDG	FAF Bordeaux	F	CW-vvv	pcG
4921.5	0920	FDG	FAF Bordeaux	F	CW-vvv	ti47
4930.5	1710	SPW	Warsaw R.	POL	CW-vvv qsx mkr	pcG
5064	2258	9MB	Ny Lumut	MLA	CW-vvv	ti47
5090	0728	FDG	FAF Bordeaux	F	CW-vvv	ti47
5109	0443	FDI22	FAF Narbonne	F	CW-vvv	zeTC
5154	2148	C	Ny MOSCOW	RUS	CW channelmarker "C"	ti47
5245	1215	MRC01	RAF Cadets wellingborough	G	USB w/MRH19 unk loc.	abnl
5245	1140	MRH08	RAF Cadets Lymington	G	USB w/MRA01	abnl
5245	1124	MRC17	RAF Cadets	G	USB w/MRC01	abnl
5245	1144	MRC28	RAF Cadets wellingborough	G	USB w/MRC01 (net-contr.)	abnl
5245	1156	MRL50	RAF Cadets Finchley	G	USB w/MRC17	abnl
5245	1230	MRO17M2	RAF Cadets mobile unit	G	USB w/MRC28 wellingborough	abnl
5446.5	2302	FDC	FAF Metz	F	CW-vvv	ti47
5461.5	0736	FDI22	FAF Aix-les-Milles	F	CW-vvv	ti47
5693.5	2139	FDG	FAF Bordeaux	F	CW-vvv	ti47
6769	1145	SNN299	MFA Warsaw	POL	CW id in F1A-mode!	ti47
6845	1746	FDC	FAF Metz	F	CW-vvv	zeTC
6871	1313	HEP7	Zurich Police	SUI	CW-vvv	pcG
6908.5	1812	FDG	FAF Bordeaux	F	CW-vvv	pcG
7335.5	1157	FDC	FAF Metz	F	CW-vvv	ti47
7622.1	0753	SNN299	MFA Warsaw	POL	CW fast id in F1A-mode	ti47
7872	0733	LN2A	PPT Oslo	NOR	CW-id,synch+phasing	zeTC
7878	2317	4XZ	Ny Haifa	ISR	CW-vvv	ti47
8130	1630	TBO	Ny Izmir	TUR	CW-vvv	pcG
9186	1308	HEP9	Zurich Police	SUI	CW-vvv	pcG
11455.5	2023	KKN50	MFA Washington D.C.	USA	CW QRA DE KKN50 QSX ...	ti47
13927	1505	AFA1MH	MARS East Liverpool,OH	USA	wkg AR322	aiDO
13927	1505	AR322	MARS western Sahara	AOE	wkg AFA1MH	aiDO

## A E R O

2824	2108	MKL	RAF Pitreavie	G	CW wx for EDGF???	ti47
4540	0915	ARCHITECT	RAF Upavon	G	wkg msg to unid	ti47
5450	0848	MVU	RAF Upavon Volmet	G	wkg wx Leeming, new QRG!	ti47
5637	0621		Diagoras Aero	GRC	wkg Athinai	mo76
5680	0910		Stavanger Rescue	NOR	wkg Kinloss Rescue r/c	mo76
5680	1124	Navy YF	Heli Ny Yeovilton	AIR	wkg Kinloss Rescue	mo76
5680	1201	SMG44	Heli	AIR	wkg Plymouth Rescue	mo76
5680	1300		Gotland Rescue	S	wkg Riga Rescue	mo76
5680	1300		Riga Rescue	LVA	wkg Gotland Rescue	mo76
5680	1658	DREL	FGS Koblenz	IW	wkg Glucksburg Rescue	mo76
5693	2202	ARCHITECT	RAF Upavon	G	wkg wx and special msgs	ti47
5696	1435		RNAS Culdrose	G	wkg unid	mo76
5708	0742		FAF Nimes?	F	YL id 'Armerur?' wkg 6A5	mo76
5708	1808		FAF Nimes?	F	YL 9V5, Armand? FF	mo76
6758	2103	MKL	RAF Pitreavie	G	CW metar-wx for EB-stas	ti47

## M A R I T I M E

513.5	2058	EAO	Palma de Mallorca R.	E	CW-cq	zeTC
1704	1810	OXZ	L yngby R.	DNK	nav-warnings	zeTC
1785	2059	LGZ	Farsund R.	NOR	wkg phonepatch with unid	ti47
1869	2134	GKZ	Humber R.	G	wkg tfc-list, nav-warns	ti47
2182	2033	EAO	Palma de Mallorca R.	E	securite EE/SS, QSY	zeTC
2182	2033		Machichaco R.	E	securite EE/SS, QSY	zeTC
2182	2035	EAC	Tarifa R.	E	securite EE/SS, QSY	zeTC

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2182	2037	YLQ	Riga R.	LVA	wkg Konstantin S.	zeTC
2182	2035	IPP	Palermo R.	I	securite II/EE, QSY	zeTC
2182	2035	ICB	Genova R.	I	securite II/EE, QSY	zeTC
2182	2345	PBK	Netherlands CG	HOL	clg YARMOUTH for rdo/ck	ti47
2182	2139	IOVO	Aries Erre	IW	clg Trieste R.	mo76
2182	2142	GJCV	... Uno	IW	clg Valentia R.	mo76
2182	2155	VCYS	Maersk Gabarus	IW	wkg Wick R.	mo76
2182	2350	EAL	Las Palmas R.	CNR	QSY for tfc-list	ti47
2421	2145		German Civil Ships	IW	usb smalltalk, weather	ti47
2625	2238	DHJ59	GNY wilhelmshaven	D	wkg DRAG, c-request	ti47
2642	1825	A9M	Bahrain R.	BHR	cw-de + sitor	zeTC
2643.5	1824	SPS	Witowo R.	POL	cw-de + sitor	zeTC
2656	2153	IPA	Ancona R.	I	wkg nav-warns, OM in II	ti47
2727	2000	DAN	Norddeich R.	D	cw-id + sitor	zeTC
2799	2158	SVH	Iraklion R.	GRC	internal news, YL in EE	ti47
2827a	2013	9AR	Rijeka R.	HRV	cw-id + sitor	zeTC
2800	2159	4XZ	Ny Haifa	ISR	cw-vvv	ti47
2824	2339	PCG	Scheveningen R.	HOL	wkg nav-warnings	ti47
2829.5	2043	SPB	Szczecin R.	POL	cw-de	mo76
3108	2122		German Civil Ships	IW	smalltalk, qth: Helsinki	ti47
3116	0757	DRBC	FGS Luchs	IW	clg Glucksburg for r/c	mo76
3215	1945	LYK	Klaipeda R.	LTU	nav. warnings in RR, id	zeTC
3782	2229	CTP	NATO Oeiras	POR	cw-vvv	ti47
4065	2238	TBO	Ny Izmir	TUR	cw-vvv	ti47
4154.5	0956	DHJ59	GNY wilhelmshaven	D	wkg DRAG, zbz-nil!	ti47
4235	2200	IAR	Roma R.	I	cw-vvv	ti47
4294	2206	SXA34	Ny Spata Attikis	GRC	cw-vvv	ti47
6224	0706	ZLM	Taupo Maritime R.	NLZ	E-wx, id	mo76
6320.5	1050	FFT	Saint Lys R.	F	cw-id + sitor-mkr	ti47
6357	2045	SAA	Karlskrona R.	SWE	cw-cq	pcG
6425	2043	UGC	St. Petersburg R.	RUS	cw-de	pcG
6465	2024	UFZ	Vladivostok R.	RUS	cw "ujem de ufz"+wkg tfc	pcG
6465	2030	UIW	Kaliningrad R.	RUS	cw-cq (wipes out ufz!!)	pcG
6467	2018	VTG5	Ny Bombay	IND	cw-vvv	pcG
6779	1146	DRAG	FGS ROMMEL	IW	clg DHJ59, zgn, qsy 59/8	ti47
8297	1836	6XY	Kingston CGR.	JMC	wx,id	aiDO
8297	1834	WPE	Tug. Inc. Jacksonville	USA	wkg unid tug	aiDO
8335.5	1147	DRAG	FGS ROMMEL	IW	clg DHJ59, loud&clear, zbot	ti47
8427.5	2045	SPA	Gdynia R.	POL	cw SPA (all 16s), QRM A9M	mo76
8442	0755	TCR	Tophane Kulesi R.	TUR	cw-cq, tfc-list	zeTC
8452	2126	VIT	Townsville R.	AUS	cw-cq	mo76
8487	0728	VID	Darwin R.	AUS	cw-cq	mo76
8488	1650	ZSO	UNID	AFS	cw-de	mo76
8518	1615	VTR	IND Ny ??	IND	cw-vv "vvv vtr11/12"	pcG
8571	1900	JNA	Tokyo R.	J	cw-q	pcG
8578	1855	SUH	Alexandria R.	EGY	cw c/s mkr (rough note)	pcG
8590	1848	VTK	Ny Tuticorin	IND	cw-vvv	pcG
8590.5	1845	XVS	Ho Chi Min R.	VTN	cw-cq	pcG
8593	1600	UUI	Odessa R.	UKR	cw qtc list	pcG
8600	1635	XSV	Tianjin R.	CHN	cw-cq	pcG
8604.5	1630	DZJ	Bulacan R.	PHL	cw-cq	pcG
8619	2048	VRX	Hong Kong R.	HKG	cw-cq	pcG
8623	1558	5BA	Cyprus R.	CYP	cw-cq	pcG
8624	1500	XSQ	Guangzhou R.	CHN	cw-cq	pcG
8632	2035	XSW	Kaoshiung R.	TWN	cw-cq	pcG
8686	2000	CNP	Casablanca R.	MRC	cw-cq	pcG
8688.5	2005	ZSC6	Capetown R.	AFS	cw-cq	pcG
8691	2009	XST	Qingdao R.	CHN	cw-cq weak sigs	pcG
8694	2028	XSZ	Dalian R.	CHN	cw-cq weak sigs	pcG
8706	1620	JOS	Nagasaki R.	J	cw-cq	pcG
8752	0750	4XZ	Ny Haifa	ISR	cw-vvv	zeTC
10192.5	1324	DRKF	FGS Nienburg	IW	wkg DHJ59, msgs, qsl mo76+	ti47
10512	1346	AQP	Ny Karachi	PAK	cw-vvv spurious?	ti47
12750	2045	CWA	Cerrito R.	URG	cw-cq	ti47
12829	1504	XFM	Manzanillo R.	MEX	cw-cq	aiDO
12844.5	1521	KFS	San Francisco R.	USA	cw-cq	aiDO



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12847	2050	WCC	Chatham R.	USA	cw-cq, qsx	ti47
13002	1652	KPH	San Francisco R.	USA	cw-cq	aiDO
13023	1630	D3E62	Luanda R.	AGL	cw-cq (long winded)	pcG
13055	1628	UTQ	Kiyev R.	UKR	cw-cq	pcG
14654.5	1224	SPW	Warszawa R.	POL	cw-de	mo76
22628.5	1125	VTG	Ny Bombay	IND	cw-vvv	ti47

## T I M E S I G N A L

5000	2059	ULA4	TS Tashkent	UZB	cw-id, timesignals	mo76
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## D I G I T A L

2474	2147	PBC	Ny Goeree	HOL	RTTY 75 CARB-msgs	ti47
2608	2151	FUO	Ny Toulon	F	RTTY 75 id,testing RY&SG	ti47
2768.2	1850	PHVNI	MoI Hannover ch2	D	ARQE/96/170 idle	pcG
2769.2	2300	HFVSL	MoI Saarbrucken ch5	D	ARQE/96/85 QVL ok to Bonn	pcG
2789	2114	FUE	Ny Brest	F	RTTY 75 TESTING RY-SG-tapeti47	
2806	2200	IGJ	Ny Augusta	I	RTTY 100 CARB-msgs	ti47
2845.4	2106	PBB	Ny Den Helder	HOL	RTTY 75 01Y 02B 04A 06A ..mo76	
3272.9	2315	HFVNW	MoI Dusseldorf	D	ARQE/96/85 (non-ch)QVL cfm	pcG
3810	0853		NATO Air Force	?	RTTY 75 encrypted air-gro.ti47	
4489	2240	GFL26	Meteo Bracknell	G	RTTY 75 AAXX and id RYRY	ti47
4505	0856		Unid	F?	RTTY 50 FFmsgs ,OMs USB FFti47	
4510	0900		Unid	?	RTTY 50 msgs in 5ngs no wx	ti47
4570	2243	HZN46	Meteo Jeddah	ARS	RTTY 100 TTAA-reports	ti47
4840	1600	??	UNID FF??	?	ARQE/192/400 idle	pcG
4933	1940	RF---	UNID FFmil	F	ARQE/72/400 cont idle	pcG
4962	1947	SNN---	UNID Pol MFA	?	POL/ARQ unid mfa tfc	pcG
5050	1700	PBB	Ny Den Helder	HOL	ITA2/75/850 ch status mkr	pcG
5145.9	1100	GXQ	London DCN	G	PICC/6/2ch op chat indicates	
					its a link to Paris +" gep de gxq"	pcG
5240	1751	YZI213	TANJUG Belgrade	YUG	RTTY 50 EE-nx, culture	ti47
5262.8	1650	BRVHF	MoI Bonn ch 1	D	ARQE/96/85 toHFVBR/Berlin?	pcG
5264.5	1530	THVHF	MoI Bonn ch 6	D	ARQE/96/85 to HFVTH/Erfurt	pcG
5265.2	1000	GOVHF	MoI Bonn ch 8	D	ARQE/72/85 usual QVL's+cryppcG	
5312	0730	DFZG	MFA Belgrade	YUF	RTTY 75 encr. after YXYX	ti47
					parallel on 7808,9046, 11139	
5315	2150	BJZ27	Meteo wuhan	CHN	RTTY 75 AAXX-reports	ti47
5322	1617	RF---	UNID FF mil	F	ARQE/72/400 cont idle)	pcG
5400	0732	YOG37	Meteo Bucuresti	ROU	RTTY 50 AAXX-reports	ti47
5732.5	1540	RF---	UNID FF mil	F	ARQE/72/400 idle 5732.5/5862.5	
					are usually both on together)	pcG
5807	0739	DFZG	MFA Belgrade	YUG	RTTY 75 end of msgs	ti47
5862.5	1440	RF---	UNID FF mil	F	ARQE/72/400 cont idle	pcG
6766.7	2104	DHJ59	GNY wilhelmshaven	D	RTTY 75 encrypted x21E	ti47
6830	1715	JYF	PETRA Amman	JOR	RTTY 50 EE-nx, culture	ti47
6835	1758	GFL22	Meteo Bracknell	G	RTTY 75 METAR-reports	ti47
6903	2017	RFF--	UNID FF mil	F?	ARQE/184.5/400 cont idle	pcG
6929	daily	RFF--	Marseille	F	ARQE/192/170 cont idle but	
					mondays cct test msgs EHR	pcG
6972	1622	YOG59	ROMPRES Bucuresti	ROU	RTTY 50 RY-id, FF-nx	ti47
6976	daily	RFF--	Ajaccio	F	ARQE/192/170 cont idle but	
					mondays cct test msgs EHQ	pcG
7337	1150		YUG Emb / MFA Belgrad	YUG	RTTY 75 encryptions: XIXIXti47	
7352	2111		Unid		RTTY 50 msgs in 5lgs	ti47
7573	2308		NATO Air Force		RTTY 75 encr. air-ground	ti47
7625	2310	HZN47	Meteo Jeddah	ARS	RTTY 100 METAR-reports	ti47
7658	1212	YZI223	TANJUG Belgrade	YUG	RTTY 50 EE-nx	ti47
7760	1217	RGH77	Meteo Arkhangelsk	RUS	RTTY 50 AAXX & BBXX-rprt	ti47
7808	1430	DFZG	MFA Belgrade	YUG	RTTY 75 id QTC, RYRYRYRY	ti47
8625.9	2045	GYU	RNY Gibraltar	GIB	ITA2/75/170 "08a 12a gyu"	pcG
9462.5	2209	ETD3	Aero Addis Abeba	ETH	RTTY 50 air-route request	ti47
10132	1842	TNL55	Aero Brazzaville	COG	RTTY 50 posn-reports	ti47

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10145.5	0947	ROMPRES Bucuresti	ROU	RTTY 50	EE-nx,former 9797?	ti47
10551.3	2016	GFL23 Meteo Bracknell	G	RTTY 75	METAR-reports	ti47
10749.5	0932	C37A MOSSAD Tel Aviv	ISR	RTTY 100	"jumping fox",RY	ti47
10749.5	1718	C37A MOSSAD Tel Aviv	ISR	ARQE/288/400	cont crypto	pcG
10873.7	1905	RVFI Reunion	REU	ARQE3/100/400	REI to Paris	pcG
11080	1612	YKP28 SANA Damascus	SYR	RTTY 50	AA-nx	ti47
11453	1036	IMB33 Meteo Roma	I	RTTY 50	AAXX-reports	ti47
11638	1619	DDK8 Meteo Quickborn	D	RTTY 50	RY-tape	ti47
12186	1747	5AQ62 JANA Tripoli	LBY	RTTY 50	EE-nx	ti47
12750	2047	NIK USCG Boston, MA	USA	FAX 120	surface chart	ti47
13073	1554	C37A MOSSAD Tel Aviv	ISR	RTTY 100	test,jumping fox	ti47
13586	1040	CNM MAP Rabat	MRC	RTTY 50	EE-nx	ti47
14356	2057	GFL24 Meteo Bracknell	G	RTTY 75	AAXX-reports	ti47
14485	1039	BDTB Unid, tactical?	?	RTTY 100	on simplex net	ti47
14699	1451	Unid, arabian?	?	RTTY 75	ATU-80 msgs	ti47
16227.7	1640	RFFXI Bangui	CAF	ARQE/96/400XZI	toParis(XXI)	pcG
16293	1133	FNX YUG Emb Baghdad	IRQ	RTTY 75	encr msgs to MFA	ti47
17590	1513	HZN49 Meteo Jeddah	ARS	RTTY 100	TTAA-msgs	ti47
18040	1054	TCY4 AA Ankara	TUR	RTTY 50	TT-nx	ti47
18220.9	1054	CNM76 MAP Rabat	MRC	RTTY 50	FF-nx	ti47
18254	1113	SUU Meteo Cairo	EGY	RTTY 100	AAXX-reports	ti47
18255	1056	ATB68 INDINFO New Delhi	IND	RTTY 50	FF-nx	ti47
18388.5	1059	5AF Aero Tripoli	LBY	RTTY 50	QJH HLLTYF RYRYRY	ti47
18496	0914	CNM80 MAP Rabat	MRC	RTTY 50	AA-nx ATU-80	ti47
19860	1017	MGJ RNY Faslane	G	RTTY 75	CARB-msgs	ti47

Q S L - R E V I E W

ITU-Station	Days	rcvd/gvn	QRG	Callsign	Power	Name
AIR-GNy 4866	36	ppc/fo,ms	3116	'4866'	1000 w	dp47
ATA-Neumayer Station	5y11m	ppc/fo,ms 5f/ups!!	16587.1	DB9020	1000 w	dp47
AUS-IPS Beacon Darwin	14	ppc,l,sti	10407	VL8IPS	2000 w	dp47
BEL-NDB Kortrijk	7	ppc,i/ms	371	'OKT'		hb31
BLR-NDB Hrodna	42	ppc (via Cen.-Ads)	452	'GP'	700 w	nr76
CAN-Montreal Aero	25	ppc/ms f/up	8891			hb31
CHN-Guangzhou R.	36	lr/FRP	8624	XSQ		ti47
CUB-Habana R.	56	ppc,lt/ms	8496	CLA		hb31
CZE-NDB Mosnov-Rona	5	ppc/ms	534	'RN'	100 w	zeTC
CZE-NDB Nora	28	ppc,X-mas cd	534	'NR'		nr76
D -DARC Suederbrarup	8	qsl-cd/FRP	10144	DK0WCY	30 w	ti47
D -GAF Hohn	30	ppc,lt,sti,badges,i	5687	DH060	1000 w	dp47
D -Gny Eckernforde	30	ppc	3116	DHJ76		dp47
D -Gny Wilhelmshaven	176	qsl-cd/FRP	10722	DHJ59	6 kw	ti47
D -Meteo Quickborn	23	lt/FRP	4583	DDK2		ti47
D -NDB Barth	7	ppc	373	'BTH'		nr76
D -NDB Berlin-Schonefeld	28	ppc	299	'SL'		nr76
D -NDB Berlin-Tegel	28	ppc	321.5	'GL'		nr76
D -NDB Berlin-Tempelhof	28	ppc	327	'DIP'		nr76
D -NDB Berlin-Tempelhof	28	ppc	347	'DBR'		nr76
D -NDB Celle	5	ppc (via Hannover)	311	'CEL'		nr76
D -NDB Celle	20	ppc	311	'CEL'	100 w	zeTC
D -NDB Drewitz	14	ppc,i	355	'DRW'		nr76
D -NDB Hahn	21	ppc	376	'HAN'		nr76
D -NDB Hannover	5	ppc	320	'HA'		nr76
D -NDB Hannover-East	10	ppc,ham-dc/ms (direct)	320	'HA'	50 w	zeTC
D -NDB Hannover	5	ppc	332	'HAE'		nr76
D -NDB Hannover-Osterwald	10	ppc/ms (direct)	332	'HAE'	50 w	zeTC
D -NDB Hannover	5	ppc	358	'HW'		nr76
D -NDB Kirn	21	ppc	394	'KIR'		nr76
D -NDB Lahr	17	ppc/ms (direct)	337	'LHR'		hb31
D -NDB Lichtenau	7	ppc (via Kassel-Calden)	341	'LAU'		nr76
D -NDB Lubeck	5	ppc	394	'LYE'		nr76
D -NDB Solling	5	ppc	374.5	'SOG'		nr76
D -NDB Rothenburg	10	ppc,i	432	'RO'	50 w	zeTC
DNK-NDB Billund	5	lt	395	'GE'		nr76

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E -NDB Albacete	42	ppc,lt (via Cen.-Ads)	321	'ABT'		nr76
E -NDB Bailen	42	ppc,lt (via Cen.-Ads)	418	'BLN'		nr76
F -NDB Aurillac	14	ppc	343	'AR'		nr76
F -NDB Bordeaux-Merignac	35	ppc,lt,i,picture	361	'NB'		nr76
F -NDB Hyeres	21	ppc,i	322	'TLN'		nr76
F -NDB Istres	10	ppc	390	'IST'		nr76
F -NDB Moulins	7	ppc	324	'MOU'		nr76
F -St. Lys R.	6	lt,guide/FRP	6320.5	FFT		ti47
F -St. Lys R.	11	ppc,QSL-leaf,i/irc,fo	8420	FFT		dp47
FNL-NDB Kaipi	10	ppc (via Cen.-Ads)	340	'KAI'		nr76
FNL-NDB Kemi	10	ppc (via Cen.-Ads)	324	'AS'		nr76
FNL-NDB Kruunupyy	21	ppc (via Cen.-Ads)	388	'KRU'		nr76
FNL-NDB Laanila	21	ppc (via Cen.-Ads)	350	'LAA'		nr76
FNL-NDB Mikkelä	10	ppc (via Cen.-Ads)	336	'M'		nr76
FNL-NDB Pyhasalmi	10	ppc (via Cen.-Ads)	380	'PHS'	#800 cfd!	nr76
FNL-NDB Ranta	21	ppc (via Cen.-Ads)	392	'RAN'		nr76
FNL-NDB Seinäjoki	21	ppc (via Cen.-Ads)	352	'PSJ'		nr76
FNL-NDB Seppi	21	ppc (via Cen.-Ads)	357	'SEP'		nr76
GRC-Athens R.	14	guide,qsl/FRP	12859	SVD5	5 kw	ti47
GRC-HNY Athens	46	ltr/FRP	6470	SXA24		ti47
GRC-Leros Aero	39	ppc/irc,fo	5637	'LGLE'		dp47
GRC-Samos Aero	560	ppc,kind lt	5637			nr76
HNG-NDB Bekescasba	20	ppc,i (via LRI)	400	'BC'	100 w	zeTC
HNG-NDB Bekescasba	20	ppc,i (via LRI)	416	'R'	100 w	zeTC
HNG-NDB Budapest-Ferihegy	20	ppc,i (via LRI)	420	'HM'	100 w	zeTC
HNG-NDB Budapest-Ferihegy	20	ppc,i (via LRI)	343	'A'	100 w	zeTC
HNG-NDB Budapest-Ferihegy	20	ppc,i (via LRI)	395	'BR'	100 w	zeTC
HNG-NDB Bugac	20	ppc,i (via LRI)	430	'BUG'	100 w	zeTC
HNG-NDB Kiskunfelegyhaza	20	ppc,i (via LRI)	400	'KD'	100 w	zeTC
HNG-NDB Tapiosap	20	ppc,i (via LRI)	306	'TPS'	100 w	zeTC
HRV-NDB Dubrovnik	21	ppc,i,book abt Cilipi	414	'GR'		nr76
HRV-NDB Osijek	14	ppc (direct)	372	'CE'		nr76
HRV-Rijeka R.	24	sked,qsl-cd/FRP	8700	9AR	6 kw	ti47
I -Augusta R.	35	ppc/ms	2628	IQA	1000 w	hb31
I -NDB Milano-Malpensa	14	ppc	292	'NOV'		nr76
INS-Makassar R.	36	lt/IRC (via Djakarta)	12682.5	PKF		hb31
INS-Semarang R.	57	lt/USD (via Djakarta)	8461	PKR	1000 w	hb31
IRL-Malin Head R.	30	lt,guide/FRP	2182	EJM	1 kw	ti47
ISL-NDB Skardsfjara	236	cd/IRC	312.5	'SR'		hb31
IW -Ferry Bretagne	11	ppc,f/ms	2182	FNBR		hb31
IW -FGS Bad Bevensen	85	ppc,lt/fo,ms	3116	DREV	100 w	dp47
IW -FGS Fehmarn	16	ppc	3116	DRLF	100 w	ai47
IW -FGS Gefion	47	ppc/fo,ms	3116	DRGK	100 w	dp47
IW -FGS Geier	30	ppc/fo,ms	3116	DRBW	100 w	dp47
IW -FGS Groemitz	395	ppc/fo,ms	3116	DREW	100 w	dp47
IW -FGS Hermelin	11	ppc/fo,ms	3116	DRCG	100 w	dp47
IW -FGS Holnis	8	ppc/fo,ms	6779	DRML		dp47
IW -FGS Kronsort	60	ppc,lt,fo/fo,ms	6779	DRME		dp47
IW -FGS Luchs	21	ppc/fo,ms	3116	DRBC	100 w	dp47
IW -FGS Meck.-Vorpommern	36	ppc	4154.5	DRAK	1000 w	ai47
IW -FGS Meck.-Vorpommern	36	ppc/fo,ms	4154.5	DRAK	1000 w	dp47
IW -FGS Medusa	95	ppc,lt,badge/fo,ms	3116	DRGL		dp47
IW -FGS Mosel	11	ppc/fo,ms	6779	DRHK	150 w	dp47
IW -FGS Schleswig-Holstein	25	ppc,i,badge	12415.5	DRAI	1000 w	dp47
IW -FGS Sulzbach-Rosenb.	17	ppc/fo,ms	3116	DREU	100 w	dp47
IW -FGS Tiger	10	ppc,sti/fo,ms	3116	DRBA	100 w	dp47
IW -FGS U-19	33	ppc,lt/fo,ms	6779	DRDM	100 w	dp47
IW -FGS U-21	101	ppc/fo,ms	10192.5	DRDO	100 w	dp47
IW -FGS U-25	40	ppc/fo,ms	3116	DRDS	100 w	dp47
IW -FGS U-29	7	ppc/fo,ms	3116	DRDW	100 w	dp47
IW -FGS Wilhelm Pullwer	5	ppc/fo,ms	3116	DRMN	100 w	dp47
IW -MS Hamburg	7	ppc/ms	2182			hb31
IW -USS John F. Kennedy	56	ppc,lt,i,DIN-A4 fo	14391.5	NNN0CXB	1500 w	ai47
MCO-Monaco R.	15	nd cd,i/irc (back),fo	8728	3AC		dp47
MRC-MAP-Rabbat	15	ppc,lt,bookletirc,fo	13585.9	CNM85/x11		dp47
NOR-NDB Baatvik	35	ppc (via Cen.-Ads)	362	'BVK'		nr76
NOR-NDB Finndal	35	ppc (via Cen.-Ads)	368	'FN'		nr76
NOR-NDB Rennesoy	35	ppc (via Cen.-Ads)	378	'RSY'		nr76

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NOR-NDB Romskog	35	ppc (via Cen.-Ads)	363.5	'RSK'		nr76
NOR-NDB Skomvaer Lt.	21	ppc,lt,vc	299.5	'SK'		nr76
NOR-NDB Tautra	35	ppc (via Cen.-Ads)	393	'TAT'		nr76
NZL-Taupo Maritime R.	108	ppc,lt,booklet,vc	8297	ZLM	1000 w	ai47
NZL-Taupo Maritime R.	233	ppc,lt,booklet,vc	8297	ZLM	f/up 1000 w	dp47
PAK-Navy Karachi	39	lt,qs1-cd/FRP	8489	AQP		ti47
POL-NDB Gdansk	28	ppc (via Cen.-Ads)	383	'S'		nr76
POL-NDB Hel	14	ppc	306.5	'H'		nr76
POL-NDB Jaroslawiec	14	ppc	295.5	'JA'		nr76
POL-NDB Kornik	16	ppc/irc (via warszawa)	303	'KA'	300 w	zeTC
POL-NDB Krakow	28	ppc (via Cen.-Ads)	353	'KRW'		nr76
POL-NDB Mielec	46	ppc/irc (via warszawa)	296	'SA'	40 w	zeTC
POL-NDB Rozniaty	16	ppc/irc (via warszawa)	478	'GA'	1000 w	zeTC
POL-NDB Rzeszow-Jasionka	46	ppc/irc (via warszawa)	341.5	'R'	40 w	zeTC
POL-NDB Szczecin/Goleniow	28	ppc (via Cen.-Ads)	285	'O'		nr76
POL-NDB Szczecin/Goleniow	28	ppc (via Cen.-Ads)	590	'OL'		nr76
ROU-NDB Cluj	44	ppc,lt,fo/IRC (Cen-Ads)	513	'CLJ'		hb31
S -NDB Eskilstuna	14	ppc (via Cen.-Ads)	362	'NN'		nr76
S -NDB Eskilstuna	14	ppc (via Cen.-Ads)	402	'LX'		nr76
S -NDB Göteborg/Landvetter	14	ppc (via Cen.-Ads)	369	'NL'		nr76
S -NDB Karlskoga	14	ppc (via Cen.-Ads)	407	'KA'		nr76
S -NDB Sundsvall	14	ppc (via Cen.-Ads)	378	'OS'		nr76
S -NDB Torsby	14	ppc (via Cen.-Ads)	384	'TY'		nr76
S -Stockholm R.	37	f,qs1-cd/FRP	1711	SDJ		ti47
SVK-MFA Bratislava	20	ppc/fo,irc	12208	OMZ66	1000 w	dp47
SVK-NDB Poprad-East	15	ppc/ms (direct)	438	'PE'	50 w	zeTC
SVK-NDB Poprad-Tatranska	15	ppc/ms (direct)	418	'PW'	50 w	zeTC
SVK-NDB Poprad-Tatry	15	ppc/ms (direct)	317	'PPD'	150 w	zeTC
TWN-Kaohsiung R.	26	lt,map/FRP	8632	XSW	5 kw	ti47
UGA-Entebbe Aero	193	ppc,lt/irc,fo f/up	11300	5XD	1000 w	dp47
USA-MARS Massillon,OH	1395	f/d-cd/SASE	14441.5	NNNOVNO	500 w	ai47
USA-Mobile R.	26	ppc,QSL-lt,i/irc,fo	8446	WLO	5/10 kw	dp47
USA-NDB Jacksonville,FL	27	ppc,QSL-lt	344	'JA'	400 w	aiDO
USA-Tuckerton R.	22	ppc,lt,sti,i	16916.5	WSC	5000 w	dp47

ppc=prepared card, lt=letter, i=information, fo=photo, sti=sticker, vc=viewcard,

cd=card, irc=international reply coupon, ms=mint stamps, rp=return postage, sked=schedule, sase=self addressed and stamped envelope, f=folder, f/d full detailed, USD= US Dollar

## Inquiries Department:

OM dp47 would like to know, if the following LDOC's still exist: LUFTHANSA Frankfurt, AEROLLOYD Frankfurt, LTU Dusseldorf, HAPAG LLOYD Hannover. QRG's? OM hb31 asks for a valid address of LSD836 Argentina Radio and of infos about Italian COMPAMARE stations. Anyone???

## Addresses/Infos/Veri-signers:

Meteo Quickborn/DDK2:Deutscher wetterdienst, Postfach 10 04 65, D-63004 Offenbach, GERMANY. (ti47)  
 DK0WCY: DK4VW, Ullrich Mueller, Kreuzacker 13, D-35041 MARBURG, GERMANY (ti47)  
 NDB Osijek/CE: Ministarstvo Pomorstva, Prometa i Veza, Uprava Kontrole Leta Zagreb, Centar Aerodromske Kontrole Leta, Osijek, Republika Hrvatska (nr76)  
 NDB Dubrovnik/GR: Ministarstvo Pomorstva, Prometa i Veza, Uprava Kontrole Leta Zagreb, Centar Aerodromske Kontrole Leta Dubrovnik HR-50213 or: Air Traffic Services Authority, ATS Center Dubrovnik, HR- 20177 Dubrovnik Airport (nr76)  
 NDB Aurillac/AR: Chambre de Commerce et d'Industrie d'Aurillac et du Cantal, Aeroport Aurillac-Tronquiériers, F- 15000 Aurillac (nr76)  
 NDB Istres/ITR: operated by: Armée de l'air, CMC 06 125, F- 13 Istres Air (nr76)  
 NDB Hyeres: Le Chef des Services Operations, Base Aeronautique Navale d'Hyeres, B.P. 200, F- 83800 Toulon NAVAL (nr76)  
 NDB Barth: Ostsee Flughafen Barth GmbH, D- 18356 Barth (nr76)  
 NDB's Berlin-Tempelhof DBR/DIP: DFS Deutsche Flugsicherung GmbH, Regionalstelle Berlin, Postfach 420653, D- 12066 Berlin (nr76)

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NDB Drewitz/DRW: Flughafen Sud-Brandenburg-Cottbus GmbH, Flugplatz Drewitz, D-03197 Jaenschwalde Ost (nr76)

NDB Hahn/HAN: Flughafen Hahn GmbH & CoKG, Gebäude 401, D- 55483 Lautzenhausen (nr76)

NDB Hannover/HA/HAE/HW + Solling/SOG: DFS Deutsche Flugsicherung GmbH, Niederlassung Hannover, Petzelstrasse 80, D- 30669 Hannover (nr76)

NDB Lubeck/LYE: Flughafen Lubeck GmbH, Blankensee, D- 23560 Lubeck (nr76)

NDB Skomvaer/SK: Skomvaer Lighthouse is unmanned. Ads: Kysteverket, 4. Distrikt,

Postboks 23, N- 8310 Kabelvag (They are in charge for the coastal region between

Bronnoysund and Andenes (nr76)

NDB Jaroslawiec/JA: URZAD MORSKY w Gdyni, ul. Chrzanowskieg o 10, PL 81-338 Gdynia (nr76)

NDB Mosnov/RN: Rizeni letoveho provozu CR s.p., Letiste Ostrava/Mosnov, Stredisko letovych navigacnich sluzeb, CZ 74251 Mosnov (zeTC)

NDB Rothenburg/RO: Flugplatz Rothenburg/Görlitz GmbH, Friedenstrasse 105a, Postfach 1153, D- 02927 Rothenburg (zeTC)

NDB Celle/CEL: Stab/Flugbetriebsstaffel, FS StOffz, Immeinmann Kaserne, D- 29225

Celle (zeTC)

NDB Jacksonville/JA: FAA, System Service Center, P.O.Box 18350, Jacksonville, FL

32229-0350 (ai47)

Samos Aero: Civil Aviation Authority, Samos Airport, Pythagorion, Samos v/s Nikos Mitzalis (is utility DXer as well as ham!) (nr76)

Taupo Maritime R./ZLM: Maritime Operations Centre, Percy Cameron St., P.O. Box 30945, Lower Hutt, Wellington (ai47)

MARS Massillon/NNNOVNO: Perry D. Ballinger, 2468 Bellevue S.W., Massillon, OH 44647, USA (ai47)

St. Lys R./FFS/FFT/FFL: Station stopped all CW on 16th Dec. 1996 (dp47)

Augusta R./IQA: (remote controlled via Palermo R.) QSL requests via: ITALIA TELECOM S.p.A., Stazione Radio Costiera, Via Paulo 24, I-90148 Palermo (hb31)

Although still listed in 'Klingenfuss' and 'Seefunk' lists, Charlottentown CGR. (VCA) was closed some years ago. They amalgamated with Halifax CGR. Halifax CGR.

was relocated to Dartmouth after closure of HF services in autumn 1996. They are

now located at Shannon Hill/Dartmouth. Address: Canadian Coast Guard, MCTS Shannon Hill. P.O. Box 1000, Dartmouth, N.S. B2Y 3Z8 (Info via Allen G. Simpson,

Officer-in-Charge at Shannon Hill) (hb31)

To hb31: Mea culpa Hans-Dieter! With the start of EUNL you have already paid for 6 issues! First issue to be paid is 11/97. Sry x 1000!!!

To pcG: It is not necessary to sort your logs seperately. Layout OK. Fee received - I will pass it to the treasurer.

A note from the treasurer concerning membership fee: Norbert gave me some new infos for paid EUNL's: pb40 (until 02/99), kjs (until 2/99), ggG (until 7/98) ti47 (until 11/99), dp47 (until 11/98), js38 (until 11/98) and ht45 (until 11/98). The month/year in clamps means the first issue to be paid). Guys, I really appreciate that trust!!!

Another new member is OM Dmitri Mezin from Kazan - Tatarstan in Russia. A hearty welcome to you!!!

Many thanks to the following (8) contributors: pcG, abNL, zeTC, mo76, dp47, ti47, hb31, nr76

gd dx + 73'

## EUROPEAN UTILITY NEWSLETTER 6-97

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\* Editor: Andreas Ibold, Mittelstr. 10, D-47441 Moers, GERMANY

\* Tel.: (49) 02841 / 178529 \*\*\*\*\* e-mail: aibold@aol.com

\* Treasurer: Norbert Reiner

\* Membership fees to: Badische Beamtenbank Karlsruhe

\* Konto Nr.: 2038005 BLZ: 66090800

\* Dispatcher: Thomas Ingenpass

\*

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\* Membership fees for the printed copies: payable to the treasurer

\* Germany: 20 DM; Europe: 20 DM (13 \$); Overseas: 25 \$ or the equivalent in

\* foreign currency - no cheques please!!)

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\* Deadline: 20th of the month!!!

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Hi out there,

as I do not have any intelligent words for this introduction, I would like to pay your attention on my new e-mail address: aibold@aol.com  
This means, that those of you, who don't have any paper and pencils in this electronic and multimedia world any more, can send now their logs via e-mail. There is no excusion any longer, hi.

## N D B

284.5	1048	PR	Porkkala	FNL	id+tone	nrju
286	1443	SLT	Sylt	D	id	pb40
286	1535	NE	Nancy	F	id	pb40
286	1525	ROK	Rokiskis	LTU	id	nrka
287.3	1641	CM	Cromer Lt.	G	id (QRG?)	pb40
289.5	1210	MN	Hammerodde	DNK	id+tone	nrka1
289.5	1053	LO	Landsort	S	id+tone	nrju
290	0010	TR	Tirana Rinas	ALB	id	nr76
291	1710	WE	Wangerooge Lt.	D	id	pb40
292	1927	NKR	Neckar	D	id	pb40
293	1410	KLA	Klaipeda	LTU	id	nrkla
294	2320	KU	Kullen	S	id+tone	nr76
295	0108	PT	Skopje	MAK	id+tone	nr76
295.5	1739	JA	Jaroslawiec Lt.	POL	id+tone	nrka1+pb40
296.5	2206	MY	Cabo Mayor	E	id (QRG?)	pb40
296.5	0559	LA	Lista Lt.	NOR	id	pb40
298	2019	REM	Reims	F	id	pb40
303	1955	RTT	Rattsburg	AUT	id	pb40
305.7	1649	LS	Hirtshals Lt.	DNK	id	pb40

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306	1600	SG	Stuttgart	D	id	pb40
306.5	1230	H	Hel	POL	it+tone	nrka1
306.5	1055	RS	Ristna	EST	id+tone	nrju
307	1230	LE	Leba	POL	id+tone	nrka1
310.5	1220	RO	Rozewie	POL	id+tone	nrka1
312.5	2005	BK	Baltiysk	KAL	id+tone	nrka1
312.5	2004	BT	Mys Taran	KAL	id+tone	nrka1
315	1335	Q	Kajaani	FNL	id	pb40
315	1716	MU	Unid	?	id	pb40
315	2010	ND	Nida	LTU	id+dash	nrka1
316	2210	PA	Leman A platform	IW	id	pb40
316	1647	IN	Sonderborg	DNK	id *)	pb40
316	1722	IN	Ingoelfshoefdhi	ISL	id *)	pb40
* How do you have distinguished these Baacons ? (ed)						
320	1521	FFM	Frankfurt	D	id	pb40
321	1531	SP	Skrydstrup	DNK	id	pb40
322	1058	KOR	Malmi Korso	FNL	id	nrju
323	2317	ETT	Unid	RUS?	id	dmRU
324	2008	EAF	Unid	?	id+tone, vy strong	nrka1
330	1658	SO	Eelde	HOL	id	pb40
331	1405	IND	Unid	?	id+tone	nrka
339	2348	AY	Velik Luky	RUS	id	nr76
339	1322	HAM	Hamburg	D	id	pb40
341	0511	LO	Billund	DNK	id	pb40
342	2032	AL	Mirolawiec	POL	id	nrka1
342	2358	LL	Fagernes/Leirin	N	id	nr76
344	1101	HEK	Hekka	FNK	id	nrju
346	1851	WLU	Luxembourg	LUX	id	pb40
346	0628	AU	Stauning	AUT	id	pb40
346	1223	BT	Unid	?	id, strong	nrka1
350.5	1326	FU	Hamburg west	D	id	pb40
351	1200	OV	Visby	S	id	nrka1
352.5	1652	DD	Oostende	BEL	id	pb40
353	1203	KRT	Kartuzy	POL	id	nrka1
355	1825	INA	Unid	?	id+dash (c/s all 8sec)	nrry
358	0339	GRK	Grakallen	NOR	id	pb40
358	1551	MNE	Muencehn Nord-Ost	D	id	pb40
360	1904	SR	Ensheim	D	id	pb40
361	0335	LIE	Lieto	FNL	id	nrju+pb40
362	0333	BVK	Batvik	NOR	id	pb40
364	1202	GRU	Grudziadz	POL	id	nrka1
365	1313	GLX	Glueckstadt	D	id	pb40
365	1410	VIL	Vilnius	LTU	id	nrka
365	1828	ERL	Unid	?	id+dash (c/s all 8 sec)	nrry
366	1655	MB	Maribo	DNK	id	pb40
368	1612	BYC	Bueckeburg	D	id	pb40
368	0318	FN	Finndal	NOR	id	pb40
371	0312	HAA	Hamar	NOR	id	pb40
372	0308	ODR	Oddderoy	NOR	id	pb40
372	1735	SKD	Skauville	LTU	id	nrry
373	1121	MP	Cherbourg	F	id	pb40
373	2034	KEM	Kemi	FIN	id	pb40
375	1802	KD	Kristianstad	S	id	pb40
376	0658	HP	Esbjerg	DNK	id	pb40
376	1104	R	Parnu	EST	id	nrju
379	0258	REK	Reksten	NOR	id	pb40
380	1702	FLB	Flensburg (Points ?,hi)	D	id	pb40
380	2025	FLR	Flornes	NOR	id	pb40
381	1945	AB	Akraberg Lt.	FAR	id	pb40
382	1943	SBG	Salzburg	AUT	id	pb40
383	0548	LST	Lista	NOR	id	pb40
384	1906	SY	Stuttgart	D	id	pb40
385	1444	MSE	Muenchen Sued-Ost	D	id	pb40
385	1937	KV	Halli	FNL	id	pb40
385	2235	AVN	Vilnius?	LTU?	id	nrka
385.5	1712	KIL	Kiel Lt.	D	id	pb40
386	2033	MT	Unid	?	id (once all 5 sec)	nrka1
386	1105	LK	Tallinn/Yulemiste	EST	id	nrju

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387	1731	JL	Kuopio	FNL	id	pb40
388.5	0015	CH	Schiphol	HOL	id	nr76
389	1930	MR	Myra	NOR	id	pb40
389	2005	RK	Truko	FNL	id	pb40
389	1913	STR	Strasbourg	F	id	pb40
390	1440	JEV	Jever	D	id	pb40
392	1720	RW	Berlin	D	id	pb40
393	1925	TAT	Tautra	NOR	id	pb40
395	1921	OI	Unid	?	id	pb40
396	1912	YG	Rygge	NOR	id	pb40
399	1909	NGY	New Galloway	G	id	pb40
399.5	1433	ONO	Oostende	BEL	id	pb40
400.5	1417	EJ	Esbjerg	DNK	id	pb40
404	1856	LW	Luxembourg	LUX	id	pb40
404	1901	BMR	Baia Mare	ROU	id	pb40
404	1106	WZ (WZE?)	Unid	?	id	nrju
406	1836	EWZ	Unid	?	id(Viljandi/EST 405kHz,ed)	pb40
406	0016	MO	Moghilev-Podolsky	UKR	id	nr76
407	1102	LUP	Laupheim	D	id	pb40
407	2032	BG	Berga	NOR	id	pb40
407	1215	KK (K?)	Unid	?	id	nrka1
407	0545	PN	Palanga	LTU	id (ex PNG)	nrkla
			(out of operation during evening and night hours,			nr76)
409	0419	SG	Satenaes	S	id	pb40
409	1410	DAR	Darlowo	POL	id	pb40
410.3	1413	FNA	Unid	?	id	pb40
411	0415	M	Kokkola	FNL	id	pb40
412	1805	GS	Guetersloh	D	id	pb40
412	1915	SE	Strasbourg	F	id	pb40
413	2156	KTI	Kuhtai	AUT	id	pb40
414	1749	SLB	Solberg	NOR	id	pb40
416	0108	BCS	Bacchus	S	id	nr76
416.3	1407	AH	Unid	?	id(Aengleholm/S 417kHz,ed)	pb40
419	1615	WUN	Wunstorf	D	id	pb40
420	2158	INN	Innsbruck	AUT	id	pb40
420	2031	SS	Unid	?	id	pb40
422.6	1405	HS	Unid	?	id (Halmstad/S 421kHz,ed)	pb40
425.5	1403	FE	Fehmarnbelt	D	id	pb40
426	1513	MIQ	Mike	D	id	pb40
426	2107	GBG	Gleichenberg	AUT	id	pb40
431	0116	BAM	Barmen	D	id	pb40
432	0550	PL	Palanga	LTU	id	nrkla
			(out of operation during evening and night hours,			nr76)
432	0056	BB	Bobrka	UKR	id	nr76
434	1110	A	Riga/Skulte	LVA	id	nrju
442	1205	SC	Darlowek	POL	id	nrka1
450	1704	LHR	Lahr	D	id	pb40
452	0147	ANS	Ansbach	D	id	pb40
473	0115	RG	Kishinai	MDA	id	nr76
482	0228	SWH	Schwäbisch Hall	D	id	pb40
486	2351	FX	Sliac	SVK	id	nr76
488	0101	ILM	Illesheim	D	id	pb40
492	1532	HDM	Coleman	D	id	pb40
518	2015	AE (A?)	Unid	?	id+tone	nrka1
527	2302	PT	Unid	RUS?	id	dmRU
558.5	1103	FG	Unid	RUS?	id (FG+1s pause FG+6s pause)	dmRU
840	1736	KR	Kaliningrad	KAL	id	nr76
			(out of operation during evening and night hours,			nr76)
1255	2310	DX	Unid	RUS?	id	dmRU
1685	2308	WM	Unid	?	id	nr76

Some Remarks by OM nr76: nrka1 = QTH Kaliningrad; nrju = QTH Jurmala, near Riga; nr76 = QTH Ryn, near Suwalki, Poland; nrkla = QTH Klaipeda, LTU, nrka = QTH Kausas, LTU.

F I X E D



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4064	2036		Nevod-75	RUS	in RR:Ya Nevod semdeset p`at`, d`la vas nichevo ne imeyu (I`m Nevod-75, having nothing for you), then counts from 1 to 10.	dmRU
5803	0943	FDG14	FAF Villacoublay	F	cw-vvv	ti47
6870.9	2158	HEP7	INTERPOL Zurich	SUI	cw-vvv	ti47
6908.7	1937		AF Bordeaux	F	cw-vvv	dmRU
7383	0724		Unid	?	cw-731 731 local stn!	dmRU
8124	2003	OLX	MoI Prague	TCH	Czech: Deviat Shest Edna	dmRU

## A E R O

3765	2058		Routing Network	RUS	YL voices	dmRU
4645	0554		Tallinn Volmet	EST	met-report in EE	ai47
4785	2208	7XH	Unid, tactical	?	clg 3UY for rdo-chk	wk08
5450	2228		RAF Volmet	G	wx for Manchester, new fg	dmRU
5505	2231		Shannon Volmet	IRL	wx for Hamburg, Frankfurt	mRU
5517	2314		Cairo Aero	EGY	wkg Khartoum Aero	wk08
5517	2304	SFN2251	a/c SAFIRAN	AIR	wkg Addis	wk08
5517	2304		Addis Abeba Aero	ETH	wkg SFN 2251	wk08
5517	2306		Khartoum Aero	SDN	wkg AIRFRANS 491	wk08
					AIRFRANS = official ICAO c/s for AIR FRANCE	(wk08)
5538	2237		GULF Air Manama (Yes,ed)	BHR	tfc in AA	dmRU
5541	2236	FEX4A	a/c FEDEX	AIR	wkg Stockholm LDOC	wk08
5598	0006	N7TVPS	Unid a/c	AIR	wkg New York	wk08
5680	1919	Pedro 2	Res. Heli NAS de Koy	AIR	wkg `Rescue 125`	ai47
5680	1920		Yarmouth Coast Guard	G	wkg `Rescue 125`	ai47
5680	1924		Ijmuiden Rescue	HOL	wkg `Rescue 125`	ai47
5680	1925		Plymouth Rescue	G	wkg `Rescue 125`	ai47
5680	1735	DRFL	FGS Datteln	IW	clg Gluecksburg Rescue	wk08
5690	0935	OA	UNID IRL?	?	wkg YT posn-rprt	ai47
6604	2340		New York Volmet	USA	forecast	wk08
6628	2341		Navy LA059 unid flight	AIR	wkg Santa Maria Aero	wk08
(Navy LA is a USNy P-3C aircraft with homebase located in Jacksonville, FL (ed)						
6693	1300		Syktyvkar Volmet	RUS	wx for Syktyvkar, Ukhta...	dmRU
6693	1305		Koltsovo Volmet	RUS	wx for Koltsovo, Perm...	dmRU
6693	1841		Novosibirsk Volmet	RUS	wkg wx-sked	ti47
6727	0907	MAGIC 67	NATO-Aircraft	AIR	clg LBJ (Bodoe) no joy	ti47
6727	0908	JWT	Ny Stavanger	NOR	clg Magic 67 for rdo-chk	ti47
7870	1132		Routing Network	RUS	c/s Tyurik, Ogurchik	dmRU
8861	1752	TR-KKB	Gabonese AF (C-130)	AIR	wkg Dakar Aero	ibG
8894	0643		El Golea Aero	ALG	wkg Algier Aero	ibG
8894	0714		Bechar Aero	ALG	wkg Algier Aero	ibG
8903	2120	TT-PAF	Chad AF (C-130)	AIR	wkg Brazzaville Aero	ibG
8903	1927	AFB-690	Belgian AF	AIF	wkg Brazzaville Aero	ibG
8903	1811		Malabo Aero	GUI	wkg Brazzaville Aero	ibG
8903	1954		Point Noire Aero	COG	wkg Libreville Aero	ibG
10030	1907	D-AERZ	LTU Flight	AIR	wkg LTU Duesseldorf LDOC	wk08
10072	1225	CKT433	a/c Caledonian 433	AIR	clg Speedbird LDOC, no joy	wk08
10315	0749	MAGIC 51	GAF Flight	AIR	wkg DHN66, rdo-chk	wk08
11232	1832	CHR	AF Trenton	CAN	wkg CANFORCE 2665	ti47
11306	1136	GKX	Portishead R.	G	clg G-RCEJ, QSY 8170	wk08

## M A R I T I M E

3357.5	2148	TBH3	Ny Gocuk	TUR	cw-vvv	dmRU
3542.7	2102	GKE1	Portishead R.	G	cw-id + sitor	dmRU
3616	2100	GKY1	Portishead R.	G	cw-id + sitor	dmRU
3782	2152	CTP	Ny Oeiras	POR	cw-vvv	dmRU
4065	2037	TBO	Ny Izmir	TUR	cw-vvv	dmRU
4224	2059	TCR	Tophane Kulesi R.	TUR	cw-cq, tfc-list	dmRU
4227	2106	SXA	Ny Spata Attikis	GRC	cw-vvv	dmRU
4231	2110	A7D	Doha R.	QAT	cw-de	dmRU

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4320	1945	IAR	Roma R.	I	cw-vvv	dmRU
4328	1942	JOS	Nagasaki R.	J	cw-cq	dmRU
4350	1936	TBB	Ny Ankara	TUR	cw-vvv	dmRU
6326.5	1941	SAB	Goeteburg R.	S	cw-id + sitor	dmRU
6344	1946	SVB	Athinai R.	GRC	cw-de	dmRU
8417	0517	ZLA	Awanui R.	NZL	cw-id + sitor	ai47
8420.5	1914	9VG	Singapore R.	SNG	cw-id + sitor	dmRU
8430	1907	9VG	Singapore R.	SNG	cw-id + sitor	dmRU
8444.5	0210	KFS	Palo Alto R.	USA	cw-de	ti47
8457	1829	OFJ	Helsinki R.	FNL	cw	dmRU
8474	1832	JYO	Aqaba R.	JOR	cw	dmRU
8495	0227		Ny Moscow	RUS	cw Channelmaker `C`	ti47
8514	2218	XSQ	Guangzhou R.	CHN	cw-de	ti47
8539	1916	VRX35	Hongkong R.	HKG	cw-cq	dmRU
8541	1923	LYL	Klaipeda R.	LTU	cw-wkg LYFJ	dmRU
8571	0306	UFN	Novorossiiks R.	RUS	cw-de	dmRU
8574	0307	LGB	Rogaland R.	NOR	cw-cq, qsx	dmRU
8589	2223	HPP	Panama Intelmar R.	PNR	cw-vvv cq	ti47
8604.5	2225	DZJ	Bulacan R.	PHL	cw-vvv	ti47
8618	0244	KPH	San Francisco R.	USA	cw-vvv	ti47
8622	1933	PCH41	Scheveningen R.	HOL	cw-de	dmRU
8623	1529	5BA	Cyprus R.	CYP	cw-cq	dmRU
8634.5	2227	VTG	Ny Bombay	IND	cw-vvv	ti47
8646	2228	LPD86	General Pacheco R.	ARG	cw-vvv	ti47
8650	1526	SPB	Szczecin R.	POL	cw-id + sitor	dmRU
8682	1523	J2A8	Djibouti R.	DJI	cw-de	dmRU
8682	2108	EAD	Madrid R.	E	cw-de	dmRU
8687.6	0449	UGC	St. Petersburg R.	RUS	cw-de	dmRU
8688.5	2232	ZSC	Capetown R.	AFS	cw-cq	ti47
8692.5	0447	SVD4	Athinai R.	GRC	cw-de	dmRU
8698	1459	7TF6	Boufarik R.	ALG	cw-cq, qsx	dmRU
8704	0446	SVB	Athinai R.	GRC	cw-de	dmRU
8706	1455	JOS	Nagasaki R.	J	cw-cq	dmRU
8716	2233	SVS	Athens R.	GRC	cw-de	ti47
8797	1810	UTQ	Kiew R.	UKR	cw-id	wk08
11688	1238	RCV	Ny Moscow	RUS	cw-clg RKZ, wx	dmRU
12673.5	1733	CLA	Habana R.	CUB	cw-cq	ti47
12695.5	1736	KFS	Palo Alto R.	USA	cw-cq	ti47
12738	1741	PPR	Rio de Janeiro R.	B	cw-de	ti47
12748	0443	IRM	Roma Medico R.	I	cw-vvv	dmRU
12780.5	0441	9AR	Rijeka R.	HRV	cw-vvv	dmRU
12799.5	0804	PCH51	Scheveningen R.	HOL	cw-de	dmRU
12808.5	1747	VTG	Ny Bombay	IND	cw-vvv	ti47
12835.5	0439	GKB	Portishead R.	G	cw-de	dmRU
12876	1802	VAI	Vancouver CG	CAN	cw-vvv	ti47
12925.5	1809	WCC	Chatham R.	USA	cw-de	ti47
12952.5	1812	VIP	Perth R.	AUS	cw-cq	ti47
12984	0435	4XZ	Ny Haifa	ISR	cw-vvv	dmRU
13002	1818	KPH	San Francisco R.	USA	cw-vvv	ti47
13022	1451	SPE	Szczecin R.	POL	cw-de, qsx	dmRU
13029	0434	SVB	Athinai R.	GRC	cw-de	dmRU

## D I G I T A L

2747	0211	PBC32	Ny Noordwijk	HOL	RTTY 75 CARB-msgs	ti47
			laut NATO nicht Goeree, sondern Noordwijk!			(ti47)
2608	0212	FOU	Ny Toulon	F	RTTY 75 test-tape RY-SG	ti47
2789	0217	FUE	Ny Brest	F	RTTY 75 test-tape RY-SG	ti47
2815	0218	IDR	Ny Roma	I	RTTY 75 CARB-msgs	ti47
2892.3	0219	MGJ	Ny Faslane	G	RTTY 75 CARB-msgs	ti47
3297	1802	RPFNG	Ny Algesne	POR	RTTY 75	ai47
3390	0230	MGJ	Ny Faslane	G	RTTY 75 CARB-msgs	ti47
3745	0239	HZN	Meteo Jeddah	ARS	RTTY 100 TTAA-reports	ti47
3764.4	0241	PBB	Ny Den Helder	HOL	RTTY 75 CARB-msgs	ti47
4212.5	0248	IDR	Ny Roma	I	RTTY 75 CARB-msgs	ti47
4219.5	0249	GYU	Ny Gibraltar	GIB	RTTY 75 CARB-msgs	ti47

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4225.5	0251	IGJ	Ny Augusta	I	RTTY	75	CARB-msgs	ti47
4232	0252	FUF	FNy Fort de France	MRT	RTTY	75	test-tape RY-SG	ti47
4271	0253	CFH	Ny Halifax	CAN	RTTY	75	id-tape	ti47
4320.6	0258	MGJ	Ny Faslane	G	RTTY	75	CARB-msgs	ti47
4489	0309	GFL26	Meteo Bracknell	G	RTTY	75	AAXX-reports	ti47
5345	0927	RSW71	Meteo Arkhangelsk	RUS	RTTY	50	AAXX-reports	ti47
5400	0930	YOG37	Meteo Bucuresti	ROU	RTTY	50	AAXX-reports	ti47
5731	0339	YRR4	Meteo Bucuresti	ROU	RTTY	50	AAXX-reports	ti47
5787	0935		Unid	?	RTTY	50	BBBBB 11111 NNNNN	
						22222	MMMMM= RE 426 K	ti47
5887	0944	IMB32	Meteo Roma	I	RTTY	50	AAXX-reports	ti47
6318	0344	IDR	Ny Roma	I	RTTY	75	CARB-msgs	ti47
6333.5	0345	IGJ	Ny Augusta	I	RTTY	75	CARB-msgs	ti47
6358.5	0946	PBC32	Ny Noordwijk	HOL	RTTY	75	CARB-msgs	ti47
6362.1	1459	MGJ	Ny Faslane	G	RTTY	75	CARB-msgs	ti47
6385	0951	FOU	Ny Toulon	F	RTTY	75	test-tape RY-SG	ti47
6483	0952	PBB	Ny Den Helder	HOL	RTTY	75	CARB-msgs	ti47
6835	1850	GFL22	Meteo Bracknell	G	RTTY	75	BBXX-reports	ti47
7681.4	0705	GXQ	Army London	G	VFT	50	chn. 3 RYI foxes	ti47
7681.7	0705	GXQ	Army London	G	VFT	50	chn. 4 RYI foxes	ti47
7682	0705	GXQ	Army London	G	VFT	50	chn. 5 RYI foxes	ti47
7784	0724	KAWN	USNy Cuttler, ME	USA	RTTY	75	met-rprts KAWN	ti47
8083.7	0735	MKK	RAF London	G	VFT	50	chn. 2 RYI foxes	ti47
8084	0735	MKK	RAF London	G	VFT	50	chn. 3 RYI foxes	ti47
8084.3	0735	MKK	RAF London	G	VFT	50	chn. 4 RYI foxes	ti47
8086	0735	MKK	RAF London	G	VFT	50	chn. 9 RYI foxes	ti47
8086.4	0735	MKK	RAF London	G	VFT	50	chn. 10 RYI foxes	ti47
8086.7	0735	MKK	RAF London	G	VFT	50	chn. 11 RYI foxes	ti47
8087	0735	MKK	RAF London	G	VFT	50	chn. 12 RYI foxes	ti47
8087.4	0735	MKK	RAF London	G	VFT	50	chn. 13 RYI foxes	ti47
8087.7	0735	MKK	RAF London	G	VFT	50	chn. 14 RYI foxes	ti47
8151	0811	IGJ	Ny Augusta	I	RTTY	75	CARB-msgs	ti47
8429.5	0814	IDR	Ny Roma	I	RTTY	75	CARB-msgs	ti47
8453	1433	HWN	Ny Paris	F	RTTY	75	test-tape RY-SG	ti47
8478.5	0843	FUF	FNy Fort de France	MRT	RTTY	75	test-tape RY-SG	ti47
8605	1438	UIW	Kaliningrad R.	KAL	RTTY	50	SK DE UIW c/d	ti47
8625.9	0845	GYU	Ny Gibraltar	GIB	RTTY	75	test-tape RY-SG	ti47
8642.1	1441	MGJ	Ny Faslane	G	RTTY	75	CARB-msgs	ti47
10204.9	0906		Unid, Tripoli Aero?	?	RTTY	50	RY, no id, weak	ti47
10423.3	1459	YMA20	Meteo Ankara	TUR	TRRY	50	TAF-reports	ti47
10551.3	1503	GFL23	Meteo Bracknell	G	RTTY	75	AAXX-reports	ti47
10600	1505	VNA	VNA Hanoi	VTN	RTTY	50	E-nx, economy	ti47
10855	1512	GXQ	Army London	G	VFT	50	11 chn. RYI foxes	ti47
10945	1515	CFH	Ny Halifax	CAN	RTTY	75	ZKR-tape	ti47
11125	1522	HZN	Meteo Jeddah	ARS	RTTY	100	TTAA-reports	ti47
12208	1043	OMZ66	MFA Bratislava	SVK	RTTY	100	msgs	ai47
12728	1738	MGJ	Ny Faslane	G	RTTY	75	CARB-msgs	ti47
12857	1754	6WW	FNy Dakar	SEN	RTTY	75	test-tape	ti47
13031.2	1822	FUF	FNy Fort de France	MRT	RTTY	75	test-tape	ti47
17590	1445	HZN49	Meteo Jeddah	ARS	RTTY	100	AAXX-reports	ti47
18254	1449	SUU	Meteo Cairo	EGY	RTTY	100	TTAA-reports	ti47

Q S L - R E V I E W

ITU-Station	Days	rcvd/gvn	QRG	Callsign	Power	Name
AIR-JAT aircraft	55	ppc,vc`s,sti	5658	`YU-AKJ`	400 w	ibG
AIR-Iran Air-841	163	ppc,lt,sti,vc`s	5658			ibG
BRB-Barbados R.	75	ppc,lt	8764	8PO		ibG
D -NDB Berlin	35	ppc	299	`SL`	100 w	ai47
D -NDB Berlin	35	ppc	309	`MW`	100 w	ai47
D -NDB Berlin	35	ppc	327	`DIP`	100 w	ai47
D -NDB Berlin	35	ppc	347	`DBR`	100 w	ai47
D -NDB Flensburg	5	ppc	380	`FLB`		pb40
D -NDB Glueckstadt	48	ppc,lt	365	`GLX`		pb40
D -NDB Hamburg	48	ppc,lt	339	`HAM`		pb40

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D -NDB Hamburg West	48	ppc,lt	350.5	`FU`		pb40
D -NDB Jever	99	ppc	390	`JEV`		pb40
D -NDB Wunstorf	30	ppc,lt	419	`WUN`		pb40
DNK-NDB Billund	7	ppc	341	`LO`		pb40
DNK-NDB Maribo	11	ppc	366	`MB`		pb40
DNK-NDB Skydstrup	4	ppc	341	`SP`		pb40
DNK-NDB Sonderberg	26	ppc	316	`IN`		pb40
DNK-NDB Stauning	11	ppc,sti	346	`AU`		pb40
E -NDB Cabo Mayor Lt.	50	ppc	296.5	`MY`	(QRG?)	pb40
EST-Tallinn Volmet	30	ppc,lt	4645		1000 w	pb40
F -NDB Cherbourg	27	ppc	373	`MP`		pb40
F -NDB Reims	18	ppc,i,map	298	`REM`		pb40
G -NDB Cromer Lt.	19	ppc	287.5	`CM`	(QRG?)	pb40
G -NDB New Galloway	30	ppc,nice lt	399	`NGY`	80 w	pb40
ISL-NDB Ingoelsfshoefdhi	91	ppc,cd,i	316	`IN`	200 w	pb40
IW -FGS Dillingen	8	ppc,fo,vc	3116	DREX	140 w	ai47
IW -FGS Gefion	136	ppc	3116	DRGK	100 w	ai47
IW -NDB Lemna A, Shell	52	ppc,foto-cd	316	`PA`		pb40
IW -USS Enterprise	90	ppc,lt,badges,sti,i	14441.5	NNN0COG		ibG
JMC-Kingston CGR.	57	ppc,lt (hrd in DOM)	8291.1	6YX	100 w	ai47
LUX-NDB Luxembourg	24	ppc	346	`WLU`		pb40
LUX-NDB Luxembourg	24	ppc	404	`LW`		pb40
MRT-FNy Fort de France	58	lt,ppc	8478.5	FUF		ti47
NOR-NDB Batvik	21	ppc	362	`BVK`		pb40
NOR-NDB Finndal	164	ppc	368	`FN`		pb40
NOR-NDB Flornes	15	ppc	380	`FLR`		pb40
NOR-NDB Grakallen	15	ppc	358	`GKR`		pb40
NOR-NDB Myra	164	ppc	389	`MR`		pb40
NOR-NDB Odderoy	25	ppc	372	`ODR`		pb40
NOR-NDB Tautra	21	ppc	393	`TAT`		pb40
NZL-Awanui R.	18	cd (via HQ)	8417	ZLA		ai47
POL-NDB Darlowo	14	ppc,sti	409	`DAR`		pb40
S -NDB Kristianstad	10	ppc	375	`KD`		pb40
TCA-NDB Grand Turk	48	ppc (hrd in DOM)	232	`GT`	400 w	ai47
TCA-NDB Providenciales	48	ppc (hrd in DOM)	387	`PV`	400 w	ai47
USA-NDB Dixon,NC	54	ppc (hrd in DOM)	198	`DIW`	1000 w	ai47

JAT = Jugoslovensk i Aerotransport (Airline company)

ppc=prepared card, lt=letter, i=information, fo=photo, sti=sticker, vc=viewcard,

cd=card, irc=international reply coupon, ms=mint stamps, rp=return postage, sked=schedule, sase=self addressed and stamped envelope, f=folder, f/d full detailed, USD=US Dollar

Membership and Money corner:

At first, we have to welcome another new member in our EUNL-community: It`s Ian Baxter from the United Kingdom (ibG). He introduced himself with some nice logs and QSL`s/infos. Great, I hope you go on this way.

Fee received from: wk08 and ibG - TNX!!!

Addresses/Infos/Veri-signers:

c/f EUNL 5/97: 2824 kHz MKL: EDGF is the ICAO locator for Fulda-Jossa (wk08).

To pb40: Please check your NDB Frequency list! The maritime NDB frequencies (like MY-Cabo Mayor Lt. or CM-Cromer Lt.) changed several years ago. TNX!!! (ed)

For those of you, who are interested in the russian channelmakers, here are the locations of these stations:

`F` = Vladivostok    `C` = Moscow    `L` = St. Petersburg    `P` = Kaliningrad

`R` = Ustinov            `S` = Arkhangelsk            `V` = Tashkent

NDB`s Finndal/FN+Myra/MR: Skien Lufthavn, Geiteryggen, Lufttrafikkjenesten 204, N-3729 Skien (pb40)

NDB Jever/JEV: FlBtrStff/JaboG 38F, Upjeversche Str. 1, D- 26419 Schortens (pb40)

NDB Maribo/MB: Lolland Falster Airport, DK- 4970 Rodby (v/s Hansen) (pb40)

NDB Darlowo/DAR: Przedsiębiorstwo Państwowe `Porty Lotnicze`, Agencja Ruchu Lotniczego, 00-906 Warszawa, ul. Zwirki i wigury 1 (pb40)

NDB`s Skrydstrup/SP: N.C. Jensen, Seniorsergant, LD MEDE FSNSKP, Flyvestation Skrydstrup, DK- 6500 Vojens (pb40)

NDB Lidköping/KL: priv. Ads.: Karl-Gustav Bylehed, Rosenvägen 3, Box 3069, S-53103 Vinninga (SM6DUA) (pb40)

NDB`s Karup/KP+KA: Flyvestation Karup, DK- 7470 Karup (pb40)

NDB Alborg/GL: Flyvestation Alborg, DK 9430 Vadum (pb40)

NDB Kookoerne/KU: Tele Attavegaatit, Kyst-og Flyradiolinien, Postboks 1002, DK-3900 Nuuk (pb40)

NDB`s Berlin: DFS Deutsche Flugsicherung GmbH, Regionalstelle Berlin, Postfach 420653, D- 12066 Berlin (ai47)

NDB Dixon,NC/DIW: FAA, System Service Unit, 940 Aviation Drive, New Bern, NC 28562 (ai47)

NDB Grand Turk/GT+Providenciales/PV: Turks and Caicos Civil Aviation Authority, Director of Civil Aviation, P.O. Box 168, Grand Turk (ai47)

Kingston CGR./6YI: Jamaica Defence Forces Coast Guard, HMJS Cagway, Port Royal, Kingston 1 (ai47)

Tallinn Volmet: Lennuliiklusteeninduse Keskus, Estonia Air Navigations Services, Lennujaama 2, EE-0011, P.o. Box 9, Tallinn (ai47)

Barbados R./8PO: v/s - winston Pinder, Assistant Manager, Customer Services, BET (ibG)

USS Enterprises/NNN0COG: v/s - David A. Rourk, Chief Journalist, Assistant Public Affairs Officer (ibG) (my 131st US Navy ship verified-ibG) (great-ed)

USS Enterprises/NNN0COG: v/s - David A. Rourk, Chief Journalist, Assistant Public Affairs Officer (ibG) (my 131st US Navy ship verified-ibG) (great-ed)

Affairs Officer (ibG) (my 131st US Navy ship verified-ibG) (great-ed)

That great work was made by (6) contributors: ibG, pb40, dmRU, ti47, wk08 and nr76. TNX!!!

gd dx + 73'

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EUROPEAN UTILITY NEWSLETTER 7-97

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\*  
\* Editor:        Andreas Ibold, Mittelstr. 10, D-47441 Moers, GERMANY        \*  
\* Tel.:         (49) 02841 / 178529        \*\*\*\*\* e-mail: aibold@aol.com        \*  
\* Home page:   http://members.aol.com/aibold/EUNL.htm        \*  
\* Logs:         http://members.aol.com/aibold/logs.htm        \*  
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\*        \*  
\* Deadline: 20th of the month!!!        \*  
\*        \*  
\*\*\*\*\*

Hi Gentlemen,

EUNL1997

I can proudly present the first EUNL Home page in the Internet! Address is:  
<http://members.aol.com/aibold/EUNL.htm>

This EUNL Home page has general informations. Down under is a link (Logs) where you can go to this issue (and in the future to the actual edition of course) of our journal for downloading. Or you can go directly to the logs:

<http://members.aol.com/aibold/logs.htm>

A special bonus for all NDB freaks: You find a link (NDB) at EUNL Home page. There you can go to another web page where all NDB's logged in EUNL 4-97 to 7-97

are listed. This will be continued with the purpose, to get a NDB data base of logged NDB-stations in Europe.

And for those of you, who can't get enough utility informations, there is also a

link to the WUN Home page (WUN). This will answer all questions where to find our magazine in the Net. I hope you enjoy this service! Have a nice summertime!

N D B

276.5	1349	BW	Bremen	D	id	ti47
292	0613	PS	Unid	RUS	id	dmRUS
302.5	1614	FB	Flamborough Head Lt.	G	id+dash	rk50
305	1617	AL	Pointe d'Ailly Lt.	F	id+dash	rk50
320	2058	C	Debrecen	HNG	id	zeTC
323	0314	GT	Hamburg	D	id	ti47
325	0318	DP	Diepholz	D	id + 2 dashes	ti47
330	0319	SO	Elde Groningen	HOL	id	ti47
331a	0617	NV	Unid	?	id	rk50
335.5	0322	TWN	Twenthe Enschede	HOL	id	ti47
337	2200	PIA	Piacenza	I	id	zeTC
339	0323	HAM	Hamburg	D	id	ti47
339	0006	PRA	Pratica di Mare	I	id	rk50
340	0011	ISA	Treviso	I	id	rk50
346.5	1351	BMN	Bremen	D	id	ti47
349	2241	KSL	Kassel	D	id	rk50
349	2222	JX	Vaexjoe	S	id	rk50
350a	1631	DSA	Unid	?	id+dash	rk50
354	1314	MTZ	Metz	F	id+dash	rk50
357	2143	KVR	Kavouri	GRC	id	zeTC
358a	0930	BA	UNID	?	id (6x = 1 min)	zeTC
363.5	2149	ERL	Erlangen	D	id	zeTC
365	1353	GLX	Glueckstadt	D	id	ti47
370	0745	PSA	Spessart	D	id	rk50
372	1354	NDO	Nordholz	D	id + 10 sec dash	ti47
379	0758	CZ	Charleville	F	id+dash	rk50
379a	0755	FUL	Unid	?	id	rk50
382	2327	GAZ	Gazoldo	I	id+dash	rk50
387	2331	VDL	Vardal	NOR	id	rk50
387	2339	CEV	Cervia	I	id	rk50
388a	2337	GR	Unid	?	id+dash	rk50
389	2226	HY	Skive	DNK	id	rk50
390	0120	FLR	Floresti	ROU	id	rk50
390	2000	AVI	Aviano	I	id	zeTC
390	1355	JEV	Jever	D	id + 20 sec dash	ti47
390	2341	AVI	Aviano	I	id	rk50
392	2033	UK	Inowroclaw	POL	id	zeTC
392	2110	GDY	Mariehamn-Godby	FIN	id	zeTC
392	1512	VUN	Verdun	F	id+dash	rk50
394	2348	NV	Nevers	F	id+dash	rk50
396	2108	HYV	Hyvinkaa	FIN	id	zeTC
398	2233	K	Arad	ROU	id	rk50
399	2253	MTN	Salamanca	E	id	rk50
399	2129	WBD	wiesbaden	D	id	zeTC
400.5	0330	EJ	Esbjerg	DNK	id	ti47
404	1526	MVC	Merville/Calonne	F	id+dash	rk50
405	2134	GRW	Grafenwoehr	D	id	zeTC
411a	0033	PP	Unid	?	id	rk50
412a	0031	NTM	Unid	?	id, also at 1316 UTC	rk50

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421a	0132	WM	UNID	?	id (4x = 1 min)	zeTC
423	2022	FE	Odense-Beldringa	DNK	id	ti47+zeTC
432	1656	RO	Rothenburg	D	id	zeTC
434	2110	SK	Leipzig	D	id	zeTC
434	2156	THN	Thorn	HOL	id	zeTC
436	2117	TEST	UNID	?	id	zeTC
478	2050	GA	Powidz/Rozniaty	POL	id	zeTC
490	2331	DVI	Donaueschingen	D	id	zeTC
544	1113	PS	Unid	RUS	id	dmRUS
578a	2103	FR	UNID	?	id (8x = 1 min)	zeTC
600	2122	KR	Krasnoborka	UKR	id	zeTC
602	1012	DJ	Unid	RUS	id	dmRUS
643a	1900	RU	UNID	?	id (8x = 1 min)	zeTC
663a	1905	TZ	UNID	?	id (8x = 1 min)	zeTC
706a	1839	GT	UNID	?	id (8x = 1 min)	zeTC
716	1528	F	Caslav	CZE	id	zeTC
888	1303	P	Pardubice	CZE	id	zeTC
965	1108	B	Unid	RUS	id B B then 10s pause	dmRUS
1290	0020	BG	Bogdanovka	UKR	id	zeTC

## F I X E D

2667.5	2109	FDG	AF Bordeaux	F	cw-vvv	ti47
3321	1808	R	Ny Izhevsk?	RUS	cw channelmkr	dmRUS
3768.5	2216	FDC	AF Metz	F	cw-vvv	zeTC
4155	0600	VDE	Unid	?	cw-vvv, later 5ngs	ti47
4745	0805		RAF Buchan	G	USB w/1DN,8NX,R1E exerciseabnl	
4890	0404		Gera-27	RUS	wkg skala-12, chat in RR	dmRUS
4925	1106	MRB01	RAF Cadets (B-network)	G	USB w/MRC16	abnl
5245	1030	VARIOUS	RAF Cadets stations	G	USB MRC01,MRH19,MRW98,MRC16, MRA01, MRW34 & MRO20 active	abnl
5342	1338	FDY	AF Orleans	F	cw-vvv	ti47
5680	0835		Ronne Rescue	DNK	USB w/Kinloss Rescue r/ck	abnl
5680	0848		Architect	G	USB Testing	abnl
5748.5	1341	FDI	AF Aix-les-Milles	F	cw-vvv	ti47
5803	0919	FDE14	AF Villacoublay	F	cw-vvv	ti47
6434.4	0929		Royal Navy	G	RTTY 100 Encrypted msgs	abnl
6690	2054		Unid	I?	chat in II: `la musica, la musica, malo, malo`, followed by music	dmRUS
6700	0926	REM4	RUS Geophysics Inst.	RUS	wx info in AM	dmRUS
6825	0925	FAV22	French Air Force	F	cw msgs	abnl
6844.5	1358	FDY	AF Orleans	F	cw-vvv	ti47
6844.5	1934	FDC	AF Metz	F	cw-vvv	dmRUS
6908.5	0648	FDG	AF Bordeaux	F	cw-vvv	zeTC
6928	0828	EBA	Ny Madrid	E	cw-cq	pcG
6992.5	1010	VARIOUS	RN Sea Cadets stns	G	USB MFP34,MFQ40C,MFJ04	abnl
7334	1044	FDC	AF Metz	F	cw-vvv	zeTC
7335.5	1401	FDY	AF Orleans	F	cw-vvv	ti47
7472.5	0751	FDY	AF Orleans	F	cw-vvv	ti47
7472.5	0800	FDC	AF Metz	F	cw-vvv	pcG
7521.5	0957	FDG	AF Bordeaux	F	cw-vvv	ti47
7547	1307		UNID	?	ssb in EE: 1234567890	dmRUS
7834.5	1041	FDY	AF Orleans	F	cw-vvv	ti47
7834.5	0651	FDC	AF Metz	F	cw-vvv	zeTC
7871.7	0755	LN2A	PTT Oslo	NOR	cw-id+synch+phasing	ti47
7878	1410	4XZ	Ny Haifa	ISR	cw-vvv	ti47
8005	2000	RCD33	R. Moscow Feeder	RUS	RR relay Mayak px	zeTC
8094.5	0800	FDY	AF Orleans	F	cw-vvv	ti47
8168	0805	FDI	AF Aix-les-Milles	F	cw-vvv	ti47
8300	1510		New Star Broadcasting Stn TWN	AM Numbers msg in CC		abnl
8495	2241	C	Ny Moscow	RUS	cw channelmkr	dmRUS
10046	1145	4XZ	Ny Haifa	ISR	cw-vvv	ti47
10407.1	0857	LN2A	PTT Oslo	NOR	cw-id+synch+phasing	ti47
10858	1211		Unid	?	cw-msgs 5lgs	ti47
13415.2	1943	PCW1	MFA Den Haag	HOL	cw-id + sitor	zeTC
13523	1845	8BY	UNID	?	cw-vvv	pcG

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13538	2201	NNNOMCL	MARS Camp Lejeune,NC	USA	wkg	NNNOCBE	ai47
14383.5	1955	NNNOCZG	USS John Hancock	IW	wkg	NNNOFLH	ai47
14383.5	1955	NNNOFLH	MARS Jacksonville,FL	USA	wkg	NNNOCZG	ai47
14391.5	1426	NNNOPSX	MARS Nashville,GA	USA	wkg	NNNOCXZ	ai47
14441.5	1952	NNNOCTI	USS Ingraham	IW	clg	any MARS stateside	ai47
14441.5	2033	NNNOCYJ	USS Stark	IW	clg	any MARS stateside	ai47
14463.5	2218	NNNONBL	MARS Groton,CT	USA	wkg	Ham on AFD	ai47
14470	2004	NNNOCBE	USS Leyte Gulf	IW	wkg	NNNOKRQ	ai47
14470	2018	NNNOCOD	USS Hue City	IW	wkg	NNNOKRQ	ai47
14470	2018	NNNOKRQ	MARS Cincinatti,OH	USA	wkg	NNNOCOD	ai47
14470	1934	NNNOCUO	USS Spruance	IW	wkg	NNNOSYN	ai47
14470	1934	NNNOSYN	MARS Unid	USA	wkg	NNNOCUO	ai47
14470	1942	NNNOTDN	MARS Falmouth,ME	USA	wkg	NNNOCZR	ai47
14470	1942	NNNOCZR	USNS Powhatan	IW	wkg	NNNOTDU	ai47
14470	2057	NAV-2	MARS North Charleston	USA	wkg	Ham on AFD	ai47
14950	1950	RWM79	R. Moscow Feeder	RUS	RR	relay Mayak px	zeTC
18646.6	0946	PCW 1	MFA The Hague	HOL	cw-	marker	abnl

## A E R O

2429	2104	MKL	RAF Pitreavie	G	cw-wkg taf-wx, msg to D7H	ti47
2869	2041		Novosibirsk Volmet	RUS	wx for Barnaul, Tomsk	dRUS
2899	0133		Shanwick Aero	IRL	wkg DELTA-13, posrep	ti47
2899	0231		Gander Aero	CAN	wkg DELTA-10, posrep	ti47
2971	0241		Shanwick Aero	IRL	wkg unid A C	ti47
3016	0243		Gander Aero	CAN	wkg AMERICAN-385, posrep	ti47
4645	1328		Tallin Volmet	EST	wkg airwarnings	ti47
5691	2017		Khabarovsk Volmet	RUS	wx messages	dRUS
6617	1354		Kiev Volmet	UKR	wkg wx-data	ti47
6617	1355		Rostov Volmet	RUS	wkg wx for Krasnojarsk	ti47
6730	2205		Aktyubinsk Volmet	KAZ	wkg id, wx	ti47
6730	2210		Karaganda Volmet	KAZ	wkg id, wx	ti47
6730	2215		Almaty Volmet	KAZ	wkg id, wx	ti47
8828	0600		Honolulu Volmet	HWI	OM wx (tent)	lrG
8909	0134		Madras Aero	IND	wkg INDIAN-411	lrG
8957	1913		Shannon Volmet	IRL	wx messages	dRUS
10024	2347		Pascua Aero	PAQ	wkg ARGENTINE-1880	lrG
11297	0912		Moskva Volmet	RUS	wkg wx for Kiev	ti47
11297	1508		St.Petersburg Volmet	RUS	wkg wx-data	ti47
11318	1517		Samara Volmet	RUS	wkg weather infos	ti47
17937	1442		LDOC Flight Support Lima	RRU	wkg aircraft	lrG

## M A R I T I M E

120	2114	SXA	Ny Spata Attikis	GRC	cw-vvv	zeTC
444.5	1250	PCH	Scheveningen R.	HOL	cw tfc list	abnl
447.5	1335	LGQ	Rogaland R.	NOR	cw wx	abnl
449	0901	OXZ	Lyngby R.	DNK	cw-nav wngs + tfc list	abnl
1698	0335	EAR	Coruna R.	E	pp to Valencia	ti47
1710	0338	SAG	Goeteborg R.	S	nav-warnings	ti47
1797	0341	SDJ	Stockholm R.	S	nav-warnings	ti47
2182	0038	ZBM	Bermuda Harbour R.	BER	OM in EE (vy nice,ed)	lrG
2182	1036		Alderney Lifeboat	IW	wkg LandsEnd	lrG
2182	0105	CTS	Ny Sagres	POR	OM EE/PP qsy	lrG
2182	0045		MV Magic Eye	IW	clg St. John's CGR.	lrG
2182	0013		Unid USCG	USA	OM EE	lrG
2182	0137	VOK	Labrador CGR.	CAN	OM qsy 2598	lrG
2182	0141	VCG	Riviere-au-Renard CGR.	CAN	OM EE/FF qsy	lrG
2182	0515		MV Oil Trader	IW	wkg Stonehaven R.	lrG
2182	2336	CUG	Sao Miguel R.	AZR	YL PP qsy 2742	lrG
2358	2358	VCP	Placentia R.	CAN	clg,tfc	lrG
2625	2104	FFM	Marseille R.	F	nav-warnings	ti47
2628	2045	IQA	Augusta R.	I	wx	ti47



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4223.2	0224	YLQ	Riga R.	LVA	cw-id YLQ SCAN AUTO	ti47
4250	0232	WLO	Mobile R.	USA	cw-id	ti47
4250	2208	ASK	Karachi R.	PAK	cw-vvv	dmRUS
4350	0306	TBB	Ny Ankara	TUR	cw-vvv	ti47
5000	0027	4XZ	Ny Haifa	ISR	cw-vvv	dmRUS
6357	2053	SAA	Karlskrona R.	S	cw-cq	pcG
6379	0211	4XZ	Ny Haifa	ISR	cw-vvv	ti47
6470	2004	SXA24	Ny Spata Attikis	GRC	cw-vvv	dmRUS
6481	0655		TURNy in ??	TUR	cw-id fr bcst T43B, Izmir?	ti47
6478.7	2052	SVA3	Athinai R.	GRC	cw-qtc	dmRUS
6480.5	2143	TBH	Ny Izmir	TUR	cw-vvv	pcG
8297	2236	AADS	USAV Runneymede	IW	clg AAC2	ai47
8363.5	2127	UHQU	UNID MV	IW	cw-clg UIW	dmRUS
8426	0610	NMC	CAMSPAC Point Reyes,CA	USA	sitor-A	lrG
8429	0630	NMO	USCG Honolulu,HI	HWI	sitor-A	lrG
8430	1853	9VG39	Singapore R.	SNG	SITOR/A cw/tlx	pcG
8431.5	1840	ZSC	Capetown R.	AFS	SITOR/A cw/tlx	pcG
8437	2308	4XZ	Ny Haifa	ISR	cw-vvv	ti47
8450	1850	SUZ	Serapeum R.	EGY	cw-cq + safety msg	pcG
8472	2313	WLO	Mobile R.	USA	cw-id DE WLO ...	ti47
8473.5	2015	A7D	Doha R.	QAT	cw-de mkr	pcG
8474	1845	JYO	Aqaba R.	JOR	de mkr	pcG
8484.5	2317	HZG	Dammam R.	ARS	cw-id DE HZG ...	ti47
8490	1900	AQP5	Ny Karachi	PAK	cw-vvv	pcG
8493	1635	TBA	Ny Ankara	TUR	cw-vvv	pcG
8495	2318		Ny Moscow	RUS	cw channelmarker `C`	ti47
8495.1	2319		Ny Arkhangelsk	RUS	cw channelmarker `S`	ti47
8496	2126	CLA	Havana R.	CUB	cw-cq	pcG
8500	1900	UON	Baku R.	AZE	cw manually wkg tfc	pcG
8505	1615	TBO	Ny Izmir	TUR	cw-vvv	pcG
8506	1625	XSX	Chi-lung R.	TWN	Cw cq mkr	pcG
8520.1	2239	PPO	Olinda R.	B	cw-vvv	ti47+dmRUS
8522	0113	CBV	Playa Ancha Zonal R.	CHL	cw-vvv	pcG+ti47
8525	0115	WNU	Slidell R.	USA	cw-cq	ti47
8539	1905	VRX	Hong Kong R.	HKG	cw-cq	lrG+pcG
8541	1912	A9M	Bahrain R.	BHR	SITOR/A cw/tlx mkr	pcG
					now part of Globe wireless network	pcG
8546	0117	OBC	Ny Callao	PRU	cw-vvv	ti47
8558.4	0126	KFS	Palo Alto R.	USA	cw-cq	ti47
8565	0128	D3E	Luanda R.	AGL	cw-de	ti47
8566	2035	VT04	Ny Vishakhapatnam	IND	cw `ga de vto4 zbw56` man.	pcG
8570	0130	WNU	Slidell R.	USA	cw-cq	pcG+ti47
8571	1828	JNA	JMSA Tokyo	J	cw-cq	pcG+lrG
8573	2038	CLA	Havana R.	CUB	cw-cq	ti47+pcG
8580	1648	RKLM	Arkhangelsk R	RUS	cw `4ly de rklm`	pcG
8582	2230	XSN	Ningbo R.	CHN	cw-cq	dmRUS
8589	2210	HPP	Panama R.	PNR	cw-vvv/cq	pcG
8590.5	1750	XVS	Ho Chi Minh R.	VTN	cw-cq	pcG
8598	0110	OXZ	Lyngby R.	DNK	cw-cq, tfc for 9HLI4/EZAP	dmRUS
8600	2050	XSV	Tianjin R.	CHN	cw-cq	pcG
8602	0137	CWA	Cerrito R.	URG	cw-cq	pcG+ti47
8601.4	1815	ZLO	Auckland RNZN	NZL	cw-de	pcG
8604.5	2214	DZJ	Bulacan R.	PHL	cw-cq	pcG
8610	1830	UCE	Arkhangelsk R.	RUS	cw-de	pcG
8611.5	1910	TAH	Istanbul R.	TUR	cw-de	pcG
8614	1834	URL	Sevastopol R.	UKR	cw-de	pcG
8618	0139	KPH	San Francisco R.	USA	cw-vvv	ti47
8620	1850	USU	Mauripol R.	UKR	cw wkg tfc	dmRUS+pcG
8624	2221	XSQ	Guangzhou R.	CHN	cw-cq	dmRUS
8630	0050	WCC	Chatham R.	USA	cw-cq, tfc list	dmRUS
8632	2218	XSW	Kaohsiung R.	TWN	cw-cq	dmRUS
8634	1800	VTG6	Ny Bombay	IND	cw-vvv	pcG
8634	2215	PPR	Rio de Janeiro R.	B	cw-vvv, qsx	dmRUS
8639	1822	VNG?	Sydney TS??	AUS?	second pips	pcG
8646	2217	LPD46	General Pacheco R.	ARG	cw-vvv	pcG
8650	1628	SPB43	Szczecin R.	POL	SITOR CW/Telex	pcG
8658	0044	ASK	Karachi R.	PAK	cw-vvv	dmRUS
8662	1915	TAH	Istanbul R.	TUR	cw-de	pcG

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8665	1622	XSG	Shanghai R.	CHN	cw-cq	pcG
8670	0040	IAR	Rome R.	I	cw-vvv, qsx	dmRUS
8682	1618	J2A8	Djibouti R.	DJI	cw-cq - poor keying	pcG
8682	0419	EAD	Madrid R.	E	cw-de, qsx	dmRUS
8749	0539	OYR	Aasiat R.	GRL	ssb, OM-id (nice,ed)	lrG
8764	0547	NMO	USCG Honolulu,HI	HWI	wx by OM	lrG
8764	0430	NMC	CAMSPAC Point Reyes,CA	USA	wx by OM	lrG
12579.5	0944	YLQ	Riga R.	LVA	cw	abnl
12611.5	0650	KEJ	Kahalehani R.,HI	HWI	cw-id + sitor	ai47
12611.5	0654	KEJ	Kahalehani R.,HI	HWI	sitor-A	lrG
12649.5	1901	XSG	Shanghai R.	CHN	SITOR/A wkg 3cfg4	pcG
12660	0608	S7Q	Victoria R., Mahe	SEY	cw-cq	lrG
12662	1519	7TF	Boufarik R.	ALG	cw-cq	ti47
12688	1719	A9M	Bahrain R.	BHR	cw-id + sitor	pcG
12689.5	1521	PPJ	Juncao R.	B	cw-vvv	ti47
12693	0932	UGC	St. Petersburg R.	RUS	cw-QSX tape	ti47+abnl
12699	0414	HPP	Panama Intelmar R.	PNR	cw-vvv-cq, qsw	lrG+dmRUS
12704.5	1424	PKM	Bitung R.	INS	cw-cw	ti47
12709	2019	A9M	Bahrain R.	BHR	cw-cq, qsx	dmRUS
12724	0414	9VG57	Singapore R.	SNG	cw-cq, qsx	dmRUS
12727.5	1446	XSW	Kaohsiung R.	TWN	cw-cq	ti47
12736.6	1947	TAH	Istanbul R.	TUR	cw-cq	dmRUS+ti47
12738.5	1949	PPR	Rio de Janeiro R.	B	cw-vvv	ti47
12780	1959	D3E61	Luanda R.	AGL	cw-vvv	ti47
12795	0428	UCE	Arkhangelsk R.	RUS	cw-de uce 5 k	dmRUS
12801	1922	TAH	Istanbul R.	TUR	cw-cq	dmRUS
12808.5	2011	VTG	Ny Bombay	IND	cw-vvv	ti47
12823.5	2014	CTP	NATO Oeiras	POR	cw-vvv	ti47
12847	2019	WCC	Chatham R.	USA	cw-vvv	ti47
12844.5	0432	KFS	Palo Alto R.	USA	cw-cq, qsx	dmRUS
12856	1918	XSG	Shanghai R.	CHN	cw-cq	dmRUS
12869	2108	WNU	Slidell R.	USA	cw-cq	ti47
12876	2318	VAI	Vancouver CGR.	CAN	cw-cq	ti47+lrG
12886.5	2155	EAD	Madrid R.	E	cw-vvv	ti47
12906	1718	DZJ	Bulacan R.	PHL	cw-cq	ti47+lrG
12935	1913	HLG	Seoul R.	KOR	cw-cq	dmRUS
12940	1909	LZW	Varna R.	BUL	cw tfc list	dmRUS
12942	1842	RKLM	Arkhangelsk R.	RUS	cw `4ly de rklm..`	pcG
12958.5	2242	PPO	Olinda R.	B	cw-vvv	ti47
12966.8	1628	A7D	Doha R.	QAT	cw-de	pcG
12969	1830	XSV	Tianjin R.	CHN	cw-cq	pcG
12969	1530	SUH4	Alexandria R.	EGY	cw-cq	pcG
12970.5	1355	PKX	Djarkata R.	INS	cw-cq	pcG
12984	1902	4XZ	Ny Haifa	ISR	cw-vvv	dmRUS
12997.5	0856	UUI	Odessa R.	UKR	cw `cq de utt/uui`+tfc list	pcG
13057	1213	OMC	Bratislava R.	SVN	cw-cq	lrG
13062	2304	CLA	Habana R.	CUB	cw-cq	ti47
13076.5	1754	JNA	JMSA Tokyo	J	cw-cq	dmRUS
13076.7	1755	HZG	Dammam R.	ARS	cw-de	dmRUS
13083	0400	KMI	Dixon R.	USA	OM EE, wx (tent)	lrG
13083	0355	VIS	Sydney R.	AUS	OM EE, wkg A3CL6	lrG
13146	1752		UNID	I	usb-tfc in II	dmRUS
13152	1750	FFL	Saint Lys R.	F	usb: Ici Saint Lys Radio	dmRUS
13197	1744		Odessa R.?	UKR	usb-wkg PROFESSOR MINIAEV	dmRUS
16807	0808	9VG	Singapore R.	SNG	cw-id + sitor	pcG
16817	2114	WCC	Chatham R.	USA	cw-id + sitor	zeTC
16819.5	1908	NMN	CAMSLANT Chesapeak,FL	USA	cw-id + sitor	pcG+zeTC
16825	1450	WCC	Chatham R.	USA	cw-id + sitor	pcG
16826	1910	ESA	Tallinn R.	EST	cw-id + sitor	zeTC
16828	1911	WLO	Mobile R.	USA	cw-id + sitor	zeTC
16836	1913	DAN	Norddeich R.	D	cw-id + sitor	zeTC
16838.5	1915	9AR	Rijeka R.	HRV	cw-id + sitor	zeTC
16839.5	1441	UFN	Novorossiysk R.	RUS	cw-id + sitor	pcG
16846	1916	UGC	St. Petersburg R.	RUS	cw-id + sitor	zeTC
16883	1918	OST60	Oostende R.	BEL	cw-id + sitor	zeTC
16893	1920	USU	Mariupol R.	UKR	cw-id + sitor	pcG+zeTC
16933.2	1230	WCC	Chatham R.	USA	cw-vvv	pcG
16955	1228	YLQ	Riga R.	LVA	cw-id + sitor	pcG

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17103.2	1248	XSG	Shanghai R.	CHN	cw-cq		dmsRUS
17013.5	0901	5BA	Cyprus R.	CYP	cw-cq		pcG
17015	1126	UTQ7	Kiyev R.	UKR	cw-cq		pcG
17113	1247	GKB	Portishead R.	G	cw-de		dmsRUS
17147	1242	URL	Sevastopol R.	UKR	cw-wkg	UTHJ	dmsRUS
17184	2043	KFS	Palo Alto R.,CA	USA	cw-cq		lrG
17189.6	0923	D3E71	Luanda R.	AGL	cw		pcG
17239	2038	CWA	Cerrito R.	URG	cw-cq		lrG
22395	1552	LPD	Gen. Pacheco R.	ARG	cw-cq		lrG

D I G I T A L

123.7	0841		DGPS stn Mainflingen	D	MSK 300		abnl
129.1	0837	DCF49	BMPT Bonn	D	ASCII 200 Encryp msg+foxes		abnl
147.3	0834	DDH47	Hamburg Meteo		RTTY 50 ry		abnl
518	0818	GNI	Niton R.	G	SITOR-B 100 Navtex		abnl
518	0848	GCC	Cullercoats R.	G	SITOR-B 100 Navtex		abnl
518	0947	PBK	Netherlands CG	HOL	SITOR-B 100 Navtex		abnl
518	0949	LGQ	Rogaland R.	NOR	SITOR-B 100 Navtex relaying		abnl
					nav wngs from Lyngby R.		abnl
518	1000	OST	Oostende R.	BEL	SITOR-B 100 Navtex.	M	abnl
518	1600	UGE	Arkhangelsk R.	RUS	SITOR-B 100 Navtex		abnl
2474	0840	PBC	Ny Noordwijk	HOL	RTTY 75 wkg CARB-msgs		ti47
2789	1312	FUE	Ny Brest	F	RTTY 75 wkg TESTING RY-SG		ti47
2789	2043	FUE	Ny Brest	F	ITA2/75/850 sg/ry test mkr		pcG
2892.3	0846	MGJ	Ny Faslane	G	RTTY 75 wkg CARB-msgs		pcG+ti47
3196	1315	OLB7	Meteo Praha	CZR	RTTY 50 wkg AAXX-reports		ti47
3205	2035	RFF--	UNID FF mil	F	ARQE/72/400 UAF night freq		pcG
3764.4	0854	PBB	Ny Den Helder	HOL	RTTY 75 wkg CARB-msgs		pcG+ti47
3784	2047	RFF--	UNID FF mil	F	ARQE/72/400 UFA night freq		pcG
4280	1323	PBC	Ny Noordwijk	HOL	RTTY 75 wkg CARB-msgs		ti47
4322.1	0904	MGJ	Ny Faslane	G	RTTY 75 wkg CARB-msgs		ti47
4489	0907	GFL26	Meteo Bracknell	G	RTTY 75 wkg id RY, TAF-wx		ti47
4583	0908	DDK2	Meteo Quickborn	D	RTTY 50 wkg AAXX-reports		ti47
5018	0805	RF--	UNID?? FF	F	ARQE/72/400 idle nil tfc		pcG
5121	1100	??	UNID FF mil?	F	ARQE/192/400 cont idle		pcG
5149	1600	RFF--	UNID FF mil	F	ARQE/72/400 UAF ex.ACTIONEX		pcG
5164.4	0745	FIT37	Tours Pref.	F	SITOR/A FF msgs		pcG
5164.4	1100	FIT45	Orleans Pref.	F	SITOR/A FF msgs		pcG
5221.5	2120	TYE	Cotonou Air	BEN	ARQ342/96/400/2ch ch A/B		pcG
5256.5	1957	??	?? DCN	?	PICC/6 4ch-return of 5280?		pcG
5280.5	1932	GXQ	London DCN	G	PICC/6 4ch ch1 op ch1 chat		pcG
5294.5	2129	RFF--	UNID FF mil	F?	ARQE/72/400 idle		pcG
5373	1405	RFF--	UNID FF mil	F	ARQE/72/400 UAF RFFXCFA de		pcG
					RFFWER ex + svc msgs		pcG
5386	1630	RFF--	UNID FF mil	F	ARQE/72/400 UFA ex.ACTIONEX		pcG
5477.5	1348	??	UNID?? DCN	G?	PICC/? s/ch an idle		pcG
5740	1200	RFF--	UNID FF mil	F	ARQE/72/400 UFA svc msgs		pcG
5752.5	1005	HBD20	Berne MFA	SUI	SITOR/A 5lgs to Bonn (BMRM)		pcG
5752.5	1020	HBD64	Bonn Swiss MFA	D	SITOR/A qsl to Berne		pcG
6976	1022	RFF--	Ajaccio FF	F	ARQE/192/170 EHQ usual idle.		
					EVERY Monday test msgs - times vary		pcG
6333.5	0629	IGJ	Ny Augusta	I	RTTY 100 wkg CARB-msgs		ti47
6358.5	0931	PBC	Ny Noordwijk	HOL	RTTY 75 wkg CARB-msgs		ti47
6362.1	0631	MGJ	Ny Faslane	G	RTTY 75 wkg CARB-msgs		ti47
6370.9	0633	GYU	Ny Gibraltar	G	RTTY 75 wkg CARB-msgs		ti47
6483	0935	PBB	Ny Den Helder	HOL	RTTY 75 wkg CARB-msgs		ti47
7349.2	1405	BAF44	Meteo Beijing	CHN	RTTY 50 wkg AAXX-reports		ti47
7495.5	2221	MTS	Pt. Stanley DCN	FLK	PICC/6 op chat		pcG
7614	1120	RFF--	Marseille FF?	F	ARQE/192/170 idle(was on 6929)		
					has cct test msgs EVERY monday		pcG
7642.7	1150	RFFH	Paris	F	ARQ342/200/400/2ch FDXA		pcG
7646	1000	DDH7	Meteo Quickborn	D	RTTY 50 wkg AAXX-reports		ti47

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7659	1405	HBD57	SUI Emb Vienna	AUT	SITOR/A reply to Berne	pcG
7659	1246	HBD20	MFA Berne	SUI	SITOR/A s/c BMIY + 5lgs	pcG
7677	1205	HBD20	MFA Berne	SUI	SITOR/A 5lg to London(BMRK)	pcG
7946.5	1400	D?	? German	D?	ITA2/100/400 cont (GG) met	pcG
8000.5	1920	?	UNID? DCN	?	PICC/? s/ch idle	pcG
8011.5	1700	?	UNID?	?	??/100/170 cont.	pcG
8050.2	1914	RFQP	Djibouti	DJI	ARQ342/200/400/2ch QPB/QPC	pcG
8074.5	2052	MKD	Cyprus DCN	CYP	PICC/6 s/ch idle	pcG
8082.1	1047	MKK	RAF London	G	VFT 50 chnl 2 of VFT	ti47
8082.3	1047	MKK	RAF London	G	VFT 50 chnl 3 of VFT	ti47
8083.6	1047	MKK	RAF London	G	VFT 50 chnl 7 of VFT	ti47
8084.0	1047	MKK	RAF London	G	VFT 50 chnl 8 of VFT	ti47
8084.3	1047	MKK	RAF London	G	VFT 50 chnl 9 of VFT	ti47
8085.5	1047	MKK	RAF London	G	VFT 50 chnl 11 of VFT	ti47
8085.7	1047	MKK	RAF London	G	VFT 50 chnl 12 of VFT	ti47
8086.0	1047	MKK	RAF London	G	VFT 50 chnl 13 of VFT	ti47
8086.3	1047	MKK	RAF London	G	VFT 50 chnl 14 of VFT	ti47
8086.5	1047	MKK	RAF London	G	VFT 50 chnl 15 of VFT	ti47
8086.6	1047	MKK	RAF London	G	VFT 50 chnl 16 of VFT	ti47
8087	1047	MKK	RAF London	G	VFT 50 chnl 17 of VFT	ti47
8087.3	1047	MKK	RAF London	G	VFT 50 chnl 18 of VFT	ti47
8087.5	1047	MKK	RAF London	G	VFT 50 chnl 19 of VFT	ti47
8108.2	1900	RFQP	Djibouti	DJI	ARQ342/200/400/2ch QRG/QPF	pcG
8150.4	1100	PBB	Ny Den Helder	HOL	RTTY 75 CARB-msgs	ti47
8429.5	0836	IDR	Ny Roma	I	RTTY 75 CARB-msgs	ti47
8453	1857	HWN	Ny Paris	F	ITA2/75/850 ry/sg mkr	ti47+pcG
8568	2224	FUV	FNy Djibouti	DJI	ITA2/75/850 faao de fuv	pcG
8625	0843	FUM	Ny Papeete	OCE	RTTY 75 TESTING, RY-SG	ti47
8625.9	0844	GYU	Ny Gibraltar	GIB	RTTY 75 CARB-msgs	pcG+ti47
8642.1	1110	MGJ	Ny Faslane	G	RTTY 75 CARB-msgs	ti47
10215.1	0855	HZN48	Meteo Jeddah	ARS	RTTY 100 AAXX-reports	ti47
10501.3	1149	GFL23	Meteo Bracknell	G	RTTY 75 id, CQ-RY	ti47
10600	1152	XVN37	VNA Hanoi	VTN	RTTY 50 id, RY-tape	ti47
10626	1630	?	UNID	?	ARQE/184.6/400 cont idle	pcG
10652.6	1203	MKK	RAF London	G	VFT 50 chnl 5 of VFT	ti47
10652.9	1203	MKK	RAF London	G	VFT 50 chnl 6 of VFT	ti47
10653.3	1203	MKK	RAF London	G	VFT 50 chnl 7 of VFT	ti47
10654.8	1203	MKK	RAF London	G	VFT 50 chnl 9 of VFT	ti47
10655.0	1203	MKK	RAF London	G	VFT 50 chnl 10 of VFT	ti47
10655.3	1203	MKK	RAF London	G	VFT 50 chnl 11 of VFT	ti47
10655.7	1203	MKK	RAF London	G	VFT 50 chnl 12 of VFT	ti47
10656.0	1203	MKK	RAF London	G	VFT 50 chnl 13 of VFT	ti47
10656.4	1203	MKK	RAF London	G	VFT 50 chnl 14 of VFT	ti47
10656.7	1203	MKK	RAF London	G	VFT 50 chnl 15 of VFT	ti47
10686	0903	9DM17	Meteo Tehran	IRN	RTTY 50 AAXX-reports	ti47
10749.5	1624	C37A?	Tel Aviv MOSSAD?	ISR?	ARQE/288/400 cont crypto	pcG
10890.6	1339	GXQ	RA London	G	RTTY 50 chnl 1 of VFT	ti47
10891.2	1339	GXQ	RA London	G	RTTY 50 chnl 3 of VFT	ti47
10891.6	1339	GXQ	RA London	G	RTTY 50 chnl 4 of VFT	ti47
10892.0	1339	GXQ	RA London	G	RTTY 50 chnl 5 of VFT	ti47
10892.4	1339	GXQ	RA London	G	RTTY 50 chnl 6 of VFT	ti47
10892.9	1339	GXQ	RA London	G	RTTY 50 chnl 7 of VFT	ti47
11039	1347	DDH9	Meteo Quickborn	D	RTTY 50 AAXX-reports	ti47
11080	1149	YKP28	SANA Damascus	SYR	RTTY 50 EE-nx, politics	ti47
11125	1352	HZN	Meteo Jeddah	ARS	RTTY 100 AAXX-reports	ti47
11412.9	1355	GXQ	RA London	G	RTTY 50 chnl 3 of VFT	ti47
11413.2	1355	GXQ	RA London	G	RTTY 50 chnl 5 of VFT	ti47
11413.5	1355	GXQ	RA London	G	RTTY 50 chnl 6 of VFT	ti47
11453	1359	IMB33	Meteo Roma	I	RTTY 50 AAXX-reports	ti47
11638	0915	DDK8	Meteo Quickborn	D	RTTY 50 AAXX-reports	ti47
12180	1404	UMK	Unid	?	RTTY 75 UMK UMK QTC	ti47
12561.5	0934	UVEZ	mv Novoukranika	INT	RTTY 50 msgs	abnl
12728	1855	MGJ	Ny Glasgow	G	ITA2/75/850 status mkr	pcG
12823.9	1033	GYU	Ny Gibraltar	GIB	RTTY 75 CARB-msgs	ti47
12857	0935	6WW	FNy Dakar	SEN	ITA2/75/850 ry/sg/le brick	pcG
12921.0	1036	MGJ	Ny Faslane	G	RTTY 75 CARB-msgs	ti47
12965	0900	USO5	Izmail R	UKR	ITA2/50/170 ryry test + cw	pcG
13031.2	1038	FUF	FNy Fort de France	MRT	RTTY 75 TESTING RY-SG	ti47

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13042.5	1041	FUV	FNy Djibouti	DJI	RTTY 75 TESTING RY-SG	ti47
13510	1047	CFH	Ny Halifax	CAN	RTTY 75 METR-reports	pcG+ti47
13580.5	1834	?	UNID DCN?	?	PICC/? single ch cont	idle pcG
14593.5	1800	?	UNID DCN?	?	PICC/? single ch cont	idle pcG
14356	1053	GFL24	Meteo Bracknell	G	RTTY 75 AAXX-reports	ti47
14497.8	1056	CSY	Aero Sta.Maria	AZR	RTTY 50 ROUTER-msgs	ti47
14560.4	1058	JYF2	PETRA Amman	JOR	RTTY 50 news in AA	ti47
14940.5	1918	?	UNID? DCN	?	PICC/? s/ch idle	pcG
15920	1104	CFH	Ny Halifax	CAN	RTTY 75 ZKR-tapes	ti47
16834	1430	CUL	Lisbon R.	POR	SITOR/B foxes test+qtc	listpcG
16892	1424	XSG	Shanghai R.	CHN	SITOR/A msg + id`shairadio`	pcG
16898.5	1401	UAT	Moscow R.	RUS	SITOR/A/B wkg m/v HoChiMinhpcG	
16915	1109	FUX	FNy Le Port	REU	RTTY 75 TESTING RY-SG	ti47
16951.5	1111	6WW	FNy Dakar	SEN	RTTY 75 TESTING RY-SG	ti47
16961.5	1112	FUF	FNy Fort de France	MRT	RTTY 75 TESTING RY-SG	pcG+ti47
17055.1	1114	MGJ	Ny Faslane	G	RTTY 75 CARB-msgs	ti47
17592.1	1257	HZN49	Meteo Jeddah	ARS	RTTY 100 AAXX-reports	ti47
18242.1	1259	ZRO4	Meteo Pretoria	AFS	RTTY 75 BBXX-reports	ti47
18254	1301	SUU	Meteo Cairo	EGY	RTTY 100 AAXX-reports	ti47

T I M E S I G N A L

10000	0624	WWVH	NBS Kekaha,HI	HWI	YL-id, pulses	1rg
15000	0715	WWVH	NBS Kehaha,HI	HWI	YL-id, pulses	1rg

MINISTRY OF INTERIOR GERMANY  
ALL STATIONS ARQE/96 OR /72 by pcG

CH	FREQ	BD	SHFT	CID	FROM	RID	TO
1	2233.82	72	85	SHVHF	BONN	PHVSH	KIEL
2	2234.16						
3	2234.50	72	85	GNVHF	BONN	HFVGN	BAD BRAMSTEDT
4	2234.84	96	85	HFVTH	ERFURT	THVHF	BONN
5	2235.18						
6	2235.50	96	85	HHVHF	BONN	HFVHH	HAMBURG
7	2235.86	96	85	HFVBK	WIESBADEN	BKVHF	BONN
8	2236.20						
1	2293.82	96	85	GWVHF	BONN	HFVGW	BONN?
2	2294.16						
3	2294.50	72	85	GMVHF	BONN	HFVGM	KASSEL
4	2294.84						
5	2295.18						
6	2295.52	96	85	NWVHF	BONN	HFVNW	DUSSELDORF
7	2295.86	96	170	HFVBR	BERLIN	BRVHF	BONN
8	2296.20						
1	2385.32	96	85	BKVHF	BONN	HFVBK	WIESBADEN
2	2385.66						
3	2386.00	72	85	HEVHF	BONN	HFVHE	WIESBADEN
4	2386.34	72	170	PHVSH	KIEL	SHVHF	BONN
5	2386.68	96	85	HFVHH	HAMBURG	HHVHF	BONN
6	2387.02	96	85	RPVHF	BONN	HFVRP	MAINZ
7	2387.36	96	85	HFVHB	BREMEN	HBVHF	BONN
8	2387.70	96	85	SLVHF	BONN	HFVSL	SAARBRUCKEN
1	2440.32	96	85	BRVHF	BONN	HFVBR	BERLIN
2	2440.66						
3	2441.00						
4	2441.34						
5	2441.68	96	170	HFVRP	MAINZ	RPVHF	BONN

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6	2442.02	96	85	THVHF	BONN	HFVTH	ERFURT
7	2442.36						
8	2442.70	72	85	GOVHF	BONN	HFVGO	BERLIN
1	2673.32	96	85	NIVHF	BONN	PHVNI	HANNOVER
2	2673.66	72	85	HFVGO	BERLIN	GOVHF	BONN
3	2674.00	96	85	HBVHF	BONN	HFVHB	BREMEN
4	2674.34	96	85	HFFBW	STUTTART	BWVHF	BONN
5	2674.68	72	85	HFVGS	MUNICH	GSVHF	BONN
6	2675.02						
7	2675.36	99	85	HFVBY	MUNICH	BYVHF	BONN
8	2675.70						
1	2767.82	96	85	BYVHF	BONN	HFVBY	MUNICH
2	2768.16	96	140	PHVNI	HANNOVER	NIVHF	BONN
3	2768.50	96	85	GSVHF	BONN	HFVGS	MUNICH
4	2768.84	72	85	HFVGN	B BRAMSTEDT	GNVHF	BONN
5	2769.18	96	85	HFVSL	SAARBRUCKEN	SLVHF	BONN
6	2769.52						
7	2769.86	96	85	HFVHE	WIESBADEN	HEVHF	BONN
8	2770.20	96	85	BWVHF	BONN	HFFBW	STUTTART
-	3272.95	96	85	HFVNW	DUSSELDORF	NWVHF	BONN
1	3850.32						
2	3850.66	96	170	HFVGM	BONN	GWVHF	BONN
5	3851.68	72	85	HFVGM	KASSEL	GMVHF	BONN
7	3852.36	96	85	HFVBK	WIESBADEN	BKVHF	BONN
1	4442.32	72	85	GWVHF	BONN	HFVGM	BONN
2	4442.66	96	85	HFVSL	SAARBRUCKEN	SLVHF	BONN
3	4443.00	72	85	HBVHF	BONN	HFVHB	BREMEN
4	4443.34						
5	4443.68						
6	4444.02	96	85	NWVHF	BONN	HFVNW	DUSSELDORF
7	4444.36						
8	4444.70						
1	4618.32	96	85	BKVHF	BONN	HFVBK	WIESBADEN
2	4618.66						
3	4619.00	96	85	HEVHF	BONN	HFVHE	BONN
4	4619.34						
5	4619.68						
6	4620.02	96	85	RPVHF	BONN	HFVRP	MAINZ
7	4620.36						
8	4620.70	96	85	SLVHF	BONN	HFVSL	SAARBRUCKEN
1	4970.32	96	85	NIVHF	BONN	PHVNI	HANNOVER
2	4970.66	96	170	PHVNI	HANNOVER	NIVHF	BONN
3	4971.00	96	85	HBVHF	BONN	HFVHB	BREMEN
4	4971.34	72	85	HFVGO	BERLIN	GOVHF	BONN
5	4971.68	72	170	PHVSH	KIEL	SHVHF	BONN
6	4972.02						
7	4972.36	96	85	HFVHH	HAMBURG	HHVHF	BONN
8	4972.70						
1	4977.32	96	85	BYVHF	BONN	HFVBY	MUNICH
2	4977.66	96	85	HFVHB	BREMEN	HBVHF	BONN
3	4978.00	72	85	GSVHF	BONN	HFVGS	MUNICH
4	4978.34						
5	4978.68						
6	4979.02						
7	4979.36						
8	4979.70	96	85	BWVHF	BONN	HFVBW	BONN
1	5022.82	72	85	SHVHF	BONN	PHVSH	KIEL
2	5023.16	96	85	HFVBY	MUNICH	BYVHF	BONN
3	5023.50	72	85	GNVHF	BONN	HFVGN	HANNOVER

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4	5023.84	96	170	HFVBR	BERLIN	BRVHF	BONN
5	5024.18	72	85	HFVGS	MUNICH	GSVHF	BONN
6	5024.52	96	85	HHVHF	BONN	HFVHH	HAMBURG
7	5024.86	96	85	HFFBW	STUTT GART	BWVHF	BONN
8	5025.20						
1	5262.82	96	85	BRVHF	BONN	HFVBR	BERLIN
2	5263.16						
3	5263.50						
4	5263.84						
5	5264.18						
6	5264.52	96	85	THVHF	BONN	HFVTH	ERFURT
7	5264.86						
8	5265.20	72	85	GOVHF	BONN	HFVGO	BERLIN

NOTES: Most traffic is encrypted, but all headers, service and QVL messages are in clear. QVL's are transmitted by Bonn every 4 hours, starting 0300utc (the message gives utc+1. Shortly afterwards the out stations will reply with a confirmation, which usually indicates their location. Most (encrypted) traffic takes place during place normal (German) office hours, Mon-Fri. There are day/night frequencies for most (the longer) and prior to the QSY a service message from Bonn is sent. Some of the out stations are quite weak (in UK), also their frequencies are at times a little off.

ADDITIONS/ALTERATIONS TO THIS LIST MOST WELCOME. ESPECIALLY WHETHER BONN IS STILL THE HEADQUARTERS ?? - REUNIFICATION.  
pcG..pcG..pcG..pcG..pcG..pcG..pcG..pcG..pcG..pcG

Q S L - R E V I E W

ITU-Station	Days	rcvd/gvn	QRG	Callsign	Power	Name
AFS-Capetown R.	70	f/d cd,i/USD	2182	ZSC		lrG
AIR-Res. Heli NAS de Koy	16	ppc,sti	5680	`Pedro2`	100 w	ai47
BAH-NDB Freeport	57	ppc (hrd in DOM)	326	`BHF`	400 w	ai47
BAH-NDB Great Inagua	57	ppc (hrd in DOM)	376	`ZIN`		ai47
D -Quickborn Meteo	14	f/d lt	4583	DDK2		lrG
E -Palma R.	56	cd,booklet via Madrid	2182	EAO		lrG
G -Portishead R.	13	ppc	3542.7	GKE1		lrG
G -Portishead R.	13	ppc	4211	GKE2		lrG
G -Portishead R.	13	ppc	8417	GKE4		lrG
G -Portishead R.	13	ppc	16806.5	GKE6		lrG
G -Portishead R.	13	ppc	12580	GKE7		lrG
G -Portishead R.	13	ppc	12607	GKQ15		lrG
G -Portishead R.	13	ppc	3615	GKY15		lrG
G -Stonehaven R.	37	f/d cd	2780	GND4		lrG
GHA-Tema R.	21	f/d lt,i	16920	9GX		lrG
HNG-NDB Kaposujlak	21	ppc	598	`J`	100 w	zeTC
IRL-Malin Head R.	13	ppc,lt,sked	1677	EJM	1000 w	zeTC
IW -USAV Runnymede	64	ppc,lt,i	8297	AADS		ai47
JMC-NDB Kingston	68	lt (hrd in DOM)	360	`KIN`		ai47
JOR-Aqaba R.	46	f/d lt	2182	JYO		lrG
POR-Ny Horta	20	f/d lt	2182	CTH		lrG
PTR-NDB San Juan	58	ppc,lt (hrd in DOM)	330	`SJ`	40 w	ai47
SVK-MFA Bratislava	74	ppc,vc	12208	OMZ66	1000 w	ai47
TCA-NDB Providenciales	71	ppc (direct,hrd in DOM)	387	`PV`	400 w	ai47
USA-Palo Alto Radio	21	QSL-cd/ppc	8444.5	KFS		ti47
USA-USCG Charleston,SC	15	lt	2182	NMB		lrG

ppc=prepared card, lt=letter, i=information, fo=photo, sti=sticker, vc=viewcard,

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cd=card, irc=international reply coupon, ms=mint stamps, rp=return postage, sked=schedule, sase=self addressed and stamped envelope, f=folder, f/d full detailed, USD=US Dollar

IMPORTANT +++ IMPORTANT +++ IMPORTANT +++ IMPORTANT +++ IMPORTANT +++ IMPORTANT

May I please remember you, that there will be no EUNL 8-97 as we have our usual summerbreak in August!!! So the next deadline will be 20th August 1997!!!!!!

+++++

Inquiries Department:

OM Peter (pcG) would like to know, if anyone has EVER got a QSL from a german MoI (Ministry of Interior) station?

Membership and Money corner:

Another new member has joined our exclusive utility-round: we have to say welcome to OM Lionel Roithmeir (lrG) from Guernsey, Channel Islands, UK! A very nice start, Lionel!!!

Concerning your request for QRA de Habana R./CLA: P.O. Box 21056, Alamar, Habana

12500 (v/s Eduardo R. Mendoza Alvarez, Manager) This is the address from which I got my QSL. Don't know if it still works.

Fee also received from hl71 and tm47. (Many, many thanks for your donation, dear Thomas!!!)

OM Werner (wk08) likes to sale 2 JP Airline-Fleets editions: 93/94 and 94/95. Price: He thinks 20 DM (each, I suppose, ed) plus postage. (New price of this comprehensive airline book is 90 DM).

Offers to: Werner Kannengiesser, Obermylauer weg 55, D- 08468 Reichenbach.

Addresses/Infos/Veri-signers:

c/f EUNL 6-97: Yours truly has to indicate some mistakes made in last EUNL:  
5680 khz: FGS Datteln c/s is DRFA and not DRFL  
5541 khz: FEDEX c/s is FDX4A and not FEX4A (selcal is HJ-CE)  
8797 khz: UTQ Kiew R.: mode is USB and not cw  
Mea culpa, werner!

c/f EUNL 6-97: NDB 420 khz `SS` is Malmoe-Sturup (js38 via e-mail, tnx!!!)

c/f EUNL 6-97: OM zeTC has some corrections on NDB's logged by pb40:  
286 SLT QSY 387      286 NE QSY 339      287.3 CM QSY 313.5  
291 WE QSY 309.5    296.5 MY QSY 304.5    296.5 LA QSY 300.5  
358 MNE QSY 369      425.5 FE QSY 442      431 BAM QSY 337  
492 HDM QSY 334

Many thanks dear Zdenek! (Note: All corrections were made in the NDB web page!)

A new NDB is `KBA` - Baden Airport Karlsruhe / Baden-Baden in Soellingen (77836 Rheinmuenster) (nr76)

NDB Lahr `LHR` is now switched off (nr76)

Other russian channelmakers (c/f EUNL 6-97) by zeTC:

`D` = Odessa      `K` = Khabarovsk      `M` = Magadan      `O` = Moscow  
`U` = Murmansk    `Z` = Mukachevo

VCP - Placentia Radio is ex St. Lawrence CGR. (lrG)

NMO (USCG Honolulu, HI) will be remoted to NMC (CAMSPAC Point Reyes, CA) from the 1st of July, 1997 (Info picked up from an announcement of NMC)(lrG)

Tema R./9GX: v/s = Mr. Amoah, Chief Traffic Manager (lrG)

USCG Charleston, SC/NMB: 196 Tradd Street, Charleston, SC 29401-1899 (v/s = J.R. Baker - Telecomms Specialist)(lrG)



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NDB Kingston/KIN: Civil Aviation Authority, 4 Winchester Road, Kingston 10, P.O.Box 8998, C.S.O., Kingston (v/s = Keith L. Frater, Director Air Navigation Services, Jamaica CAA)(ai47)
NDB Bahamas/BHF+ZIN: Bahamas Telecommunications Corporation, Radio Svcs, Freq. Mgmt, P.O. Box N-3048, Nassau (ai47)
NDB San Juan/SJ: FAA/Airway Facilities Sector, 5000 Carrrtera. 190, Carolina, PR 00979-7424 (ai47)
Rescue Heli NAS De Koy/Pedro 2: No. 7 Squadron, NAS De Kooy, P.O. Box 10000, NL 1780 CA Den Helder (ai47)

Our special thanks to the following (9) contributors: lrG, rk50, zeTC, abnl, pcG, dmRUS, ti47, nr76, ai47

gd dx + 73'

EUROPEAN UTILITY NEWSLETTER 8/9-97

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\*
\* Editor: Andreas Ibold, Mittelstr. 10, D-47441 Moers, GERMANY
\* Tel.: (49) 02841 / 178529 \*\*\*\*\* e-mail: aibold@aol.com
\* Home page: http://members.aol.com/aibold/EUNL.htm
\* Logs: http://members.aol.com/aibold/logs.htm
\* Treasurer: Norbert Reiner
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\* foreign currency - no cheques please!!
\*
\* Deadline: 20th of the month!!!
\*
\*\*\*\*\*

Buenos dias folks,
a warm welcome after the summer(?)break. well, the last days were indeed hot and I confess that the my thoughts are running more on ice-cold bottles than on utility. But I think we have some nice stuff again, especially informations from the CIS Airline Networks by OM dmRU!
Some of you asked for backup numbers of EUNL. May I pay your attention again to the EUNL Home page. Any new member, or those who overslept the EUNL start (hi), can find there now brilliant links to the older journals for downloading.

N D B

Table with 7 columns: ID, Call Sign, Name, Country, ID type, and Operator. Rows include: 288 2359 FK Unid ? id + dash dmRU; 299 2321 RG Unid ? id dmRU; 300 2124 KA Unid ? id dmRU; 329 2327 HA Unid Kharkov? UKR? Id dmRU; 332 2324 LS Unid ? id dmRU; 342 2044 AL Mirosławiec POL id zeTC; 351 2357 SAV Unid ? id (Savonlinna, FNL?) dmRU; 351 0352 LUB Lubin POL id zeTC; 353 2350 KRT Kartouzy POL id zeTC; 378 2114 FUL Fulda D id zeTC; 395 2028 SJ Sochaczew POL id zeTC; 409 2359 MRA Mragowo POL id zeTC; 416 2104 MTA Malta-Rinnela MLT id zeTC; 425 2126 ERT Erfurt-west D id zeTC

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425	0900	S	Leipzig	D	id	zeTC
425	2358	ORU	Orust	S	id	zeTC
432	2131	HNU	Hanau	D	id	zeTC
479	1200	RAV	Ravenna	I	id	fmI
484	0011	HOF	Hof-Pirk	D	id	zeTC
527	2333	PT	Unid	?	id	dmRU
588	2150	P	Katowice-Pyrzowice	POL	id	zeTC
635	2338	L+CH	Unid	?	id .-.. -.-.	dmRU
635	2345	GH	Minsk	BLR	id	zeTC
670	2340	TA	Unid	?	id	dmRU
688	2343	IP	Unid	?	id (2 per minute)	dmRU
770	2031	LR	Krakow-Balice	POL	id	zeTC
791	2348	SU	Unid	?	id	dmRU
840	2029	KR	Kaliningrad	KAL	id	zeTC
850	2153	BN	Bronica	UKR	id	zeTC
870	0408	U	Hradec Kralove	CZE	id	zeTC
885	2351	KR	Unid	?	id (2 per minute)	dmRU
906	2354	T+SH	Unid	?	id - ----	dmRU

Note: L+CH and T+SH actually mean two Russian characters, the second of them has no equivalent in plain English character set. (dmRU)

## F I X E D

2055.6	1906		Unid	?	cw msg 5ng	ti47
2626	1933		Spy-network X06(MOSSAD)	ISR	AM wkg msg 5lg	ti47
2629	0123		Unid	?	cw msg 5lg	ti47
2686	1923		Unid	?	cw cont. JBNG JBNG ...	ti47
3175	1934		Ny Tashkent	UZB	channelmarker `V`	ti47
3185	1936	JEAW	Unid	?	cw msg 5ng	ti47
3242	2037	PROKURA 80	Unid	?	Pol. clg NAPAR 04	zeTC
3313	2103	HEP3	Kantonspolizei Zurich	SUI	cw-vvv	abNL
3340	0336	FDI8	FAF Nice	F	cw-vvv	zeTC
3836.3	0146	FDE14	FAF Contraxeville	F	cw-vvv	ti47
3890	2048	FDE14	FAF Contraxeville	F	cw-vvv	zeTC
4031	2108	P	RUS Ny Kaliningrad	KAL	cw Channelmarker	abNL

4050	2110		Unid	?	cw single figures separated by a space mark. Ended with three long dashes (short zero's)	abNL
4062	1949		Unid	?	cw msg 5ng	ti47
4438.5	0236		Unid	?	cw msg 5lg	ti47
4465	2144	FDI8	FAF Nice	F	cw-marker	abNL
4550.5	2049	TBU5	Turkish Navy	TUR	cw-TBDJ de TBU5	abNL
4558	1955	FDI8	FAF Nice	F	cw-vvv	zeTC
4765	0530		Carabinieri (Italian military police) net, daily		LSB; NCS is IET33	
It-m clg IET60/66/662/663/665/67/670/671/68/680/682/69/690/691/692/693/695/71/711/712/72/720/721/73/730/731/74/740/741/76/761/762 for r/c. All unid locations so far. fmI						

4777	0724		Unid	?	USB OM in scandin., Duplex?	ti47
4790	0036	FDE14	FAF Contraxeville	F	cw-vvv	zeTC
4819.5	0726		Unid	?	cw cont UODE	ti47
4856.5	0240	FDG	FAF Bordeaux	F	cw-vvv	ti47
4868	0729		Unid	?	cw msg 5ng	ti47
4880	0241		Spy network(X28)MOSSAD	ISR	AM msg 5lg	ti47
4982	0808		Unid, Volmet?	?	USB YL in RR, new Volmet?	ti47
4986	0535	YPO	Giurgiu R.	ROU	CP de YPO	zeTC
5110	1622	P	Ny Kaliningrad	KAL	cw channelmarker `P`	zeTC
5123.5	2027	FDG	FAF Bordeaux	F	cw-vvv	ti47
5152.4	0245	S	Ny Arkhangelsk	RUS	cw channelmarker `S`	ti47
5153.8	1920	P	RUS Ny Kaliningrad	KAL	cw channelmarker `P`	abNL
5154	1920	R	Ny Ustinov	RUS	cw channelmarker `R`	abNL
5154	2043	C	Ny Moscow	RUS	cw channelmarker `C`	ti47
5266.5	2114	HEP5	Kantonspolizei Zuerich	SUI	cw-vvv	abNL
5268	1450	HEP5	INTERPOL Zuerich	SUI	cw-vvv	zeTC
5326	2047		Unid	?	cw-cont vvv vvv vvv	ti47
5342	0248	FDY	FAF Orleans	F	cw-vvv pcG+abNL+zeTC+ti47	

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5391	0044	V	Ny Tashkent	UZB	cw channelmarker `v`	ti47
5443	2050	F9CC	Unid, tactical	?	cw-DE F9CC, then msg 5lg	ti47
5446.5	1455	FDC	FAF Metz	F	cw-vvv	zeTC
5861	1620	P	Ny Kaliningrad	KAL	cw channelmarker `p`	zeTC
5880	1630	RMP	Ny Kaliningrad	KAL	cw-de	zeTC
6295	1000	IFG	Guardia di Finanza (GUARFI) net, I tfc		USB, tact. static	
c/s hrd are FALCE (NCS), MAESTRO, VELTRO, wkg presumed mobile units TITANO 1, SQUALO 104 and 95, VICTOR 204 (presumed patrolboat). Checking 10507, no joy.fmI						
6815	1007		COMPAMARE Molfetta	I	wkg NCI	hb31
6815	1008		COMPAMARE Mazara	I	clg Molfetta	hb31
6838	1925	ZERO ALPHA	Unid	?	USB, A-m clg PAPA...	fmI
6855	0417		Unid	?	USBc lg SPEEDY-03, no joy	ti47
6869.5	1307	HEP7	INTERPOL Zurich	SUI	cw-vvv	ti47
6871	1726	FDG	FAF Bordeaux	F	cw-vvv	zeTC
6872	1727	HEP	INTERPOL Zuerich	SUI	cw-vvv	zeTC
6884	0800	AEM1USA	USArmy MARS Heidelberg	D	LSB wkg AEM1UFB Army MARS	fmI
6884	0800	AEM1UFB	USArmy MARS Bamberg	D	LSB wkg AEM5USM unid Army	fmI
6908.5	0206	FDG	FAF Bordeaux	F	cw-vvv	ti47
6933	1500		Unid	?	USB w/ ptp R simplex tfc.	fmI
ITU lists Yekaterinoslavka (RUS 072E3800 54N3000) and Turkestan (KAZ 068E1700 43N1700), but both seem propagationally *very* unlikely, if these stations are still active at all!						
6966	0645	FDE14	FAF Contraxeville	F	cw-vvv	zeTC
6984	1200	SNN299	MFA Warszawa	POL	cw-vvv DE SNN299 GA	fmI
6990	0845	8V7E	Italian Air Force?	I?	USB It-m clg JF32	fmI
7334	1025	FDC	FAF Metz	F	cw-vvv	zeTC
7450	0835	RAN71	PTT Moskva	RUS	RT tfc (ISB)	zeTC
7470	1030	FDI8	FAF Nice	F	cw-vvv	zeTC
7473	1028	FDC	FAF Metz	F	cw-vvv	zeTC
7521.5	1437	FDG	FAF Bordeaux	F	cw-vvv mkr	pcG
7540	1319		Spy-network(X53)MOSSAD	ISR	AM msg 5lg	ti47
7672	1722	FDI8	FAF Nice	F	cw-marker	abNL
7805.5	0802	FDG	FAF Bordeaux	F	cw-marker	abNL
7834	0732	FDC	FAF Metz	F	cw-vvv	zeTC
7835.5	1314	FDC	FAF Metz	F	cw-vvv	ti47
7863.5	1046	SPW	Warszawa R.	POL	cw-de	abNL+zeTC
7865	1719	SPW	Warszawa R.	POL	usb Phone patch	abNL
7918	1332		Spy-network(X59)MOSSAD	ISR	AM YHF, 2msgs gr57&62,	ti47
7956	0800	X2IG	Unid	?	cw SERL DE X2IG for 15min	abNL
8143	1108		CIA Counting station	?	usb 10-count + 5FG	abNL
10314	1623	SNN299	Warsaw MFA	POL	cw-v mkr	pcG
10872	2151		Ny Moscow	RUS	cw channelmarker `c`	ti47
12175	2137		Spy-network E46 (CIA)	USA	AM msg 5 ng	ti47
13415.3	0923	PCW1	MFA Den Haag	HOL	cw-marker	abNL
14477	2058	NNN0CXT	USS Thorn	IW	wkg NNN0TDU	ai47

## A E R O

2869	2235		Jekaterinburg Volmet	RUS	wkg id and actual WX	ti47
2872	0404		Shanwick	G	USB w/various aircraft	abNL
2941	1929		Rostov Volmet	RUS	wkg end of tfc	ti47
3056	2319	DHJ59	GNY wilhelmshaven	D	clg PELICAN-03 for r/c	ti47
3413	0138		Shannon Volmet	IRL	wkg wx for Shannon	ti47
3476	0139		Gander Aero	CAN	wkg SHANWICK flight info	ti47
3476	0140	STARJET074	Aircraft	AIR	clg Shanwick for posrep	ti47
4675	0717		Shanwick Aero	IRL	wkg unid a-c, posrep	ti47
4718	2110		Kinloss Rescue	G	wkg RESCUE 177	wk08
4731	2009	MKL	RAF Pitreavie	G	cw TAF-wx to unid	ti47
5450	0047	MVU	RAF Upavon Volmet	G	wx fr Belfast-Aldergrove	ti47
5505	0250		Shannon Volmet	IRL	wx for GENEVA	ti47
5535	0122	SVA158	SAUDIA Flight	AIR	wkg London,FRA wx request	wk08
5541	2053	SDJ	Stockholm Air Radio	S	wkg selcall for RKSS	ti47
5550	0252		New York Aero	USA	wkg CONDOR 65	ti47

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5550	0049	CUB478	CUBANA Flight	AIR	wkg NY, psn, selcal	EL-GH	wk08
5598	0255		Gander Aero	CAN	wkg unid ac, posrep		ti47
5610	0256	GKX	Portishead Air Radio	G	wkg phone to ac		ti47
5680	1306		Gotland Rescue	S	r/c Riga Rescue		ai47
5680	1306		Riga Rescue	LVA	r/c Gotland Rescue		ai47
6617	0857		Rostov Volmet	RUS	AM? wkg wx for unid ab		ti47
6758	1606	MKL	RAF Pitreavie Castel	G	cw-de MKL, wx		zeTC
6930	1600		Cairo Aero	EGY	USB EE/AA tfc		fmI
6930	1600		Aswan Aero	EGY	USB EE/AA tfc		fmI
6930	1600		Sharm (El Sheikh) Aero	EGY	USB EE/AA tfc		fmI
8690	1558	GKX	Portishead R.	G	EE RT tfc to airplane		zeTC
8891	1343		Gander Aero	CAN	wkg DELTA 478		ti47
8903	1930		Libreville Aero	GAB	wkg Ndjamena Aero		ai47
8903	2014		Bangui Aero	CAB	wkg Ndjamena Aero		ai47
8903	2351		N`Djamena Aero	TCD	wkg LUFTHANSA 575, psn		wk08
8903	0004	LAZ597	BALKAN Flight	AIR	wkg N`Djamena, psn		wk08
8939	1345		Moscow Volmet	RUS	wkg wx for Kiev ab		ti47
8968	1347		USAF Offut	USA	wkg msg for uni		ti47
8971	1556		AF Valkenburg	HOL	EE OM wkg tfc, id		zeTC
10030	1503		LTU Duesseeldorf	D	wkg `RH`		ai47
10069	0843	N339AA	AMERICAN Flight	AIR	wkg Bern, selcal-chk	BJ-GL	wk08
11175	0822		USAF Thule	GRL	usb clg Incirlik-no joy		abNL
11175	0955		USAF Thule	GRL	usb w/Airevac 6165		abNL
11175	1100		Reach 7020	AIR	usb w/Croughton PP		abNL
11175	1313		USAF Croughton	G	usb clg Reach 9022-no joy		abNL
11175	2143	REACH066	USAF Flight	AIR	wkg LAJES		ti47
11300	1559	VP-BOA	aircraft	AIR	wkg Asmara Aero		lrG
11300	1521		Sanaa Aero	YEM	wkg a/c SU458		lrG
11300	1615		Port Sudan Aero	SDN	wkg Khartoum Aero		lrG
13342	1632	SDJ	Stockholm R.	S	E-id Stockholm R. calling		zeTC

## M A R I T I M E

435.5	2122	SAA	Karlskrona R.	S	cw-cq		zeTC
444.5	2046	PCH	Scheveningen R.	HOL	cw-cq, tfc list		zeTC
449	2054	OXZ	L yngby R.	DNK	cw-cq		zeTC
1609.5	0358	LGB	Rogaland R.	NOR	cw-marker		abNL
1619.5	0359	PCH	Scheveningen R.	HOL	cw-marker		abNL
1656	2200		Chipiona R.	E	USB phone to unid ship		ti47
1888	1902	IPD	Civitavecchia R.	I	USB nav-warnings		ti47
2182	0256	VOK	Labrador CGR.	CAN	OM clg tfc		lrG
2182	0253	FNXH	Unid MV	IW	clg Norwegian CG (MV?)		lrG
2182	1537		Shannon Aero	IRL	R/T test with Valentia R.		lrG
2182	1508		Swansea CG	G	wkg Ilfracombe Lifeboat		lrG
2182	1620	FFU	Brest-le-Conquet R.	F	EE/FF Pan alert		lrG
2182	2158	LAGH	Unid MV	IW	wkg Malin Head R.		lrG
2182	2203	SAE	Tingstaede R.	S	QSY, wx OM		lrG
2182	2212	LGZ	Farsund R.	NOR	wx, QSY 1785		lrG
2182	2213	IQA	Augusta R.	I	wx, QSY 2628		lrG
2182	0126		MV Atlantic Fisher	IW	wkg Malin Head R., Distress		lrG
2182	2208	3VT	Tunis R.	TUN	clg MV OXVM		lrG
2182	1455		Dover CG	G	clg Solent CG		lrG
2182	0105	VCP	Placentia CGR.	CAN	clg, tfc		lrG
2182	0108	VCM	St. Anthony CGR.	CAN	QSY, Marine wx		lrG
2182	0112	VCS	Halifax CGR.	CAN	QSY		lrG
2182	0207	VOJ	Stephenville CGR.	CAN	QSY, wx EE/FF		lrG
2182	0113	FFM	Marseille R.	F	OM FF		lrG
2182	0205	TFA	Reykjavik R.	ISL	OM tfc list		lrG
2331	0034		English ships	IW	USB smalltalk taxes		ti47
2357.5	0036	OVK	Ny Aarhus	DNK	cw-id `NAWS NAWS DE OVK`		ti47
2357.5	1915	OUA35	Ny Aarhus	DNK	cw-id `naws de...		ti47
2366	0037		Dutch ships	IW	USB smalltalk tours		ti47
2414	0048		Danish ships	IW	USB smalltalk fishing		ti47
2460	0050	YLQ	Riga R.	LVA	cw-id YLQ SCAN AUTO		ti47
2538	0052		Danish ships	IW	USB smalltalk computer		ti47

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2634.5	0124	SPS	Witowo R.	POL	cw-id DE SPS/TOR K	ti47
2643.5	0415	SPS	Witowo R.	POL	cw-marker	abNL
2693	0209	CUL	Lisboa R.	POR	EE/PP tfc list	lrG
2727	0412	DAN	Nordeich R.	D	cw-marker	abNL
2749	0214	VCS	Halifax CGR.	CAN	Nav. warn. (10 sec bdcast!)	lrG
2780.6	0126	GND4	Stonehaven R.	G	cw-id, sitor-marker	ti47
2800	1928	4XZ	Ny Haifa	ISR	cw-vvv	ti47
3008	1931		German civil ships	IW	USB smalltalk, bye-bye	ti47
3247	2043	UCE	Archangelsk R.	RUS	cw-id + SITOR	zeTC
3615.6	0144	GKY1	Portishead R.	G	cw-id, sitor-marker	ti47
4064	2123	EBO	Ny Vigo	E	cw-vvv tape	abNL
4064.8	0149	TBO	Ny Izmir	TUR	cw-id vvv for bcst T23C	ti47
4083	1935		Unid - wide multi tone signal. Jammer? Noted on 6/8			
			19.35-21.25 UTC and 7/8 18.30-19.20 UTC			abNL
4083	1940		Spanish navy, unid loc.	E	USB Sounded like an exercise.	
			Lots of counting and spelling			abNL
4083	2000	67GMR, 62IJN, 69OSB:	tact. Spanish Navy net USB, S tfc, marine wx			
			bulletins at dictation speed.			fmI
4216	2008	A7D	Doha R.	QAT	cw-de A7D TLX 4690	zeTC
4231.5	2002	UVA	Gelendzhik R.	RUS	cw-cq QSX	zeTC
4241	0157	LGW	Rogaland R.	NOR	cw-cq	abNL+ti47
4242	0157	4XZ	Ny Haifa	ISR	cw-vvv	ti47
4274.5	0225	TBA	Ny Ankara	TUR	cw-vvv	ti47
4294	0228	SXA34	Ny Spata Attikis	GRC	cw-vvv	abNL+ti47
4303	0231	OXZ2	Lyngby R.	DNK	cw-cq	ti47
4310	0232	WNU	Slidell R.	USA	cw-cq	ti47
4331	2033	4XZ	Ny Haifa	ISR	cw-vvv	zeTC
4350	0234	TBB	Ny Ankara	TUR	cw-vvv	ti47
4351	2146	ZRQ	Ny Capetown	AFS	cw-vvv	zeTC
6224	0603	ZLM	Taupo Maritime R.	NZL	OM wx	lrG
6243	0940	USI	Kherson R.	UKR	cw-de USI, wkg UVA	zeTC
6281	0928	ESA	Tallinn R.	EST	cw-id	zeTC
6357	2129	SAA	Karlskrona R.	S	cw-cq	abNL+ti47
6376	0357	WCC	Chatham R.	USA	cw-vvv	ti47
6379	0358	4XZ	Ny Haifa	ISR	cw-vvv	ti47
6382	2144	TBA6	Ny Ankara	TUR	cw-vvv	ti47
6389	0403	CTP	NATO Oeiras	POR	cw-vvv	ti47
6389.7	0404	WNU	Slidell R.	USA	cq-cq	ti47
6420	0406	PWN33	Ny Natal	B	cw-cq	ti47
6425	2149	UGC	St.Petersburg R.	RUS	cw-de	abNL+ti47
6467	2153	VTG	Ny Bombay	IND	cw-vvv	ti47
6470	0409	SXA24	Ny Spata Attikis	GRC	cw-vvv	ti47
6477.6	0411	KPH	San Francisco R.	USA	cw-vvv	ti47
6478.7	2202	SVA3	Athinai R.	GRC	cw-de	ti47
6485	2204	ESA	Tallin R.	EST	cw-cq	ti47
6493.5	2205	LYL	Klaipeda R.	LTU	cw-cq	ti47
6502	0413	TBB6	Ny Ankara	TUR	cw-vvv	ti47
6513	0602	USO6	Izmail R.	UKR	RR RT tfc, YL-id	zeTC
8417	0508	ZLA	Awanui R.	NZL	sitor A	lrG
8437	2238	4XZ	Ny Haifa	ISR	cw-vvv	ti47
8448	2240	A9M	Bahrain R.	BHR	cw-cq	ti47
8460.5	2140	PPJ	Juncao R.	B	cw-vvv	zeTC
8473.5	2242	A7D	Doha R.	QAT	cw-de	ti47
8474	1552	JYO	Aqaba R.	JOR	cw-cq	zeTC
8484.5	2244	HZG	Dammam R.	ARS	cw-de	ti47
8494.9	2245	`S`	Ny Arkhangelsk	RUS	cw channelmarker `S`	ti47
8495	2245	`C`	Ny Moscow	RUS	cw channelmarker `C`	ti47
8539	1721	VRX35	Hongkong R.	HKG	cw-cq	pcG+zeTC
8542	1624	PKX	Jakarta R.	INS	cw-cq	zeTC
8554	1632	3BM4	Mauritius R.	MAU	cw-cq	zeTC
8555	1545	TBB7	Ny Ankara	TUR	cw-vvv	zeTC
8573	2130	CLA21	Habana R.	CUB	cw-cq	zeTC
8598	1424	OXZ4	Lyngby R.	DNK	cw-tfc list	abNL
8610	1721	UCE5	Archangelsk R.	RUS	cw-de	zeTC
8634	1905	VTG6	Ny Mumbai	IND	cw-vvv	zeTC
8650	2013	SPE42	Szczecin R.	POL	cw-id + sitor	zeTC
8653.6	1453	JCS	Choshi R.	J	cw-cq	zeTC

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8658	2015	ASK	Karachi R.	PAK	cw-vvv	zeTC
8686	1405	CNP	Casablanca R.	MRC	cw-cq	hb31
8700	1427	9AR	Rijeka R.	HRV	cw-marker	abNL
8706	1933	RFA ??	Astrakhan R.	RUS	R RT tfc, YL-id	zeTC
8706	1923	JOS	Nagasaki R.	J	cw-cq	zeTC
8710	1911	9AR	Rijeka R.	HRV	Croat., wkg tfc, OM-id	zeTC
8713	1858	IAR	Roma R.	I	cw-id (automatic RT)	zeTC
8719	1715	A9M	Bahrain R.	BHR	EE OM-id, wkg tfc	zeTC
8722	2230	WOM	Miami High Seas R.	USA	EE id, wx	zeTC
8722	1940	CUL	Lisboa R.	POR	PP RT tfc, id	zeTC
8725	2035	LYL	Klaipeda R.	LTU	RR RT tfc, YL-id	zeTC
8725	1934	EHY	Madrid R.	E	cw-id automatic RT Service	zeTC
8725	1935	ZSC	Capetown R.	AFS	cw-id automatic RT Service	zeTC
8728	1945	EHY	Madrid R.	E	cw-id automatic RT Service	zeTC
8728	1945	3AC8	Monaco R.	MCO	AA/EE/FF RT tfc, YL-id	zeTC
8731	2000	ZSC	Capetown R.	AFS	cw-id, automatic RT Sce	zeTC
8731	2105	HGC	Guayaquil R.	EQA	SS RT Tfc, OM-id	zeTC
8740	2136		PERTROMINA Constanta	ROU	EE OM id, wkg tfc	zeTC
8743	2105	HSW	Bangkok Meteo R.	THA	E/Thai wx, id + mm maker	zeTC
8743	1817	P3R5	MS Cyprus	IW	EE clg Scheveningen R.	zeTC
8743	1817	SVN44	Athinai R.	GRC	EE wkg P3R5	zeTC
8743	1834	3AC69	Monaco R.	MCO	EE YL wkg MS 3EJH	zeTC
8743	1826	MHZX4	Unid UK MS	IW	EE clg Athinai R.	zeTC
8746	1906	9AR	Rijeka R.	HRV	EE/Croat. wkg MS HBOD	zeTC
8746	1434	SPO41	Szczecin R.	POL	OM, EE anns for tfc list	wk08
8749	2200	WOO	Ocean Gate R.	USA	EE id, wx	zeTC
8761	1712	UFN	Novorossikjsk R.	RUS	RR mm mkr + id	zeTC
8764	2335	NMN	USCG Camslant	USA	usb,wkg North Atlantic wx	wk08
8770	1020	USO6	Izmail R.	UKR	RR/UKR wkg Kpt. Kysely	zeTC
8782	1611	9AR	Rijeka R.	HRV	RT tfc, YL-id	zeTC
8794	1956	PCG41	Scheveningen R.	HOL	EE/Dutch wkg PCEX	zeTC
8797	2103	UTQ	Kiev R.	UKR	RR YL-id's tape mkr	zeTC
8806	2035	FFL41	St. Lys R.	F	FF/EE wkg P3AK2	zeTC
12524	1247	SAB691	Goeteborg R.	S	cw-id + sitor	wk08
12581	2021	LSD836	Argentina R.	ARG	cw-id + sitor	zeTC+ai47
12583.5	2128	CBV	Playa Ancha Zonal R.	CHL	cw-id + sitor	wk08
12591	1043	A7D	Doha R.	QAT	cw-de a7d tlx..+sitor	wk08
12593	1351	ESA	Tallin R.	EST	SITOR/A cw/tlx mkr	pcG
12593.5	1400	9VG	Singapore R.	SNG	SITOR/A cw/tlx mkr	pcG
12600	1356	KPH	San Francisco R.	USA	SITOR/A tlx/cw mkr	pcG
12610.5	2052	VCT	Tors Cove R.	CAN	cw-id + sitor	zeTC
12613	2055	XSQ	Guangzhou R.	CHN	cw-id + sitor	zeTC
12649.5	2100	XSG	Shanghai R.	CHN	cw-id + sitor	zeTC
12662.8	2100	CBV	Valparaiso R.	CHL	cw-vvv mkr	pcG
12668	1708	A9M	Bahrain R.	BHR	cw-id + sitor	wk08
12670.1	1449	SUZ	Serapeum Marine R.	EGY	cw-cq	ti47
12693	1344	UGC	S.Petersburg R.	RUS	cw-de mkr	pcG
12694.1	1739	ZRQ	Cape Naval R.	AFS	cw-vvv mkr	pcG
12695	2139	URL	Sevastopol R.	RUS	cw-cq mkr	pcG
12695.5	0451	KFS	Palo Alto R.	USA	cw-cq	pcG+zeTC
12699	2103	HPP	Panama R.	PNR	cw-vvv cq	pcG+zeTC
12727.5	1438	LGJ	Rogaland R.	NOR	cw-marker	abNL
12728	1453	J2A9	Djibouti R.	DJI	cw-vvv	ti47
12735	1936	URL	Sevastopol R.	UKR	cw-cq	wk08
12849	1650	ZSJ5	Ny Capetown	AFS	cw-cq	zeTC
12856	1444	XSG	Shanghai R.	CHN	cw-marker	abNL
12939	1451	LZW53	Varna R.	BUL	cw-marker	abNL
12969	1610	SUH4	Alexandria R.	EGY	cw-vvv cq	zeTC
13002	1633	KPH	San Francisco R.	USA	cw-cq mkr	pcG
13024	1411	ASK	Karachi R.	PAK	cw-cq	hb31
13054	1447	UIW	Kaliningrad R.	KAL	cw- w/unid vessel	abNL
13059	1620	EBA	Ny Madrid	E	cw-cq, NAVAERA	zeTC
13062	1509	CLA62	Habana R.	CUB	cw-cq	zeTC
13071.3	1456	7TF8	Boufarik R.	ALG	cw-cq	zeTC
13076.5	1450	JNA	JMSA Tokyo	J	cw-cq	zeTC
13076.7	1453	HZG	Damman R.	ARS	cw-de	zeTC
13083	0012	VIS	Sydney R.	AUS	OM clg, tfc	lrg

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13083	2359	KMI	Dixon R.	USA	OM-id, tfc list, wx	lrG
13083	2353	CUL	Lisboa R.	POR	OM PP clg tfc	lrG
13089	1900	YLQ	Riga R.	LVA	RR id, clg MS Zvonec	zeTC
13098	1513	5BA54	Cyprus R.	CYP	EE/Grc. OM-id's	zeTC
13191	0810	LZW	Varna R.	BUL	YL EE, tfc list	wk08
16806	0549	NMC	USCG San Francisco,CA	USA	sitor	lrG
16811	1950	CBV	Playa Ancha R.	CHL	cw-id + sitor	zeTC
16912	1318	SUH	Alexandria R.	EGY	cw-cq	ti47
16916.5	1320	WSC	Tuckerton R.	USA	cw-cq	ti47
16918	1324	PPJ	Juncao R.	B	cw-vvv	ti47
16955	1725	YLQ	Riga R.	LVA	cw-id + sitor	zeTC
16969	1333	WLO	Mobile R.	USA	cw-vvv	ti47
16986	1354	CTP	NATO Oeiras	POR	cw-vvv	ti47
17038	1357	WNU	Slidell R.	USA	cw-vvv	ti47
17045.5	1510	LPD46	General Pacheco R.	ARG	cw-vvv	ti47+zeTC
17050	1401	ASK	Karachi R.	PAK	cw	zeTC+hb31+ti47
17066	1501	A9M	Bahrain R.	BHR	cw-id + sitor	zeTC
17103	1413	XSG	Shanghai R.	CHN	cw-cq	ti47
17117.6	1418	WNU	Slidell R.	USA	cw-cq	ti47
17164.8	1422	ZSC	Capetown R.	AFS	cw-cq	ti47
17232.9	1443	9VG53	Singapore R.	SNG	cw-cq	zeTC
17239.7	1441	PKX	Jakarta R.	PHL	cw-cq	ti47
17248	1450	5BA62	Cyprus R.	CYP	EE/Grc OM-id's	zeTC
19779	1357		Athinai R.	GRC	usb, wkg SWHC	wk08
20420	1943	9AR	Rijeka R.	HRV	cw-cq	ti47
22525	1723	IRM	Roma Medico R.	I	cw-vvv	wk08
22592.5	1348	A9M	Bahrain R.	BHR	cw-cq	wk08

## DIGITAL

2432.5	0436	SAB	Goteborg R.	S	SITOR-A 100 clg selc.XPIM	abNL
2474	2208	PBC	Ny Noordwijk	HOL	RTTY 75 CARB	abNL+ti47
2608	2211	FUO	Ny Toulon	F	RTTY 75 RY-SG-tape	abNL+ti47
2716	0412	SAB	Goteborg R.	S	SITOR-A 100 clg selc.TPPF	abNL
2781	2155	GND4	Stonehaven R.	G	SITOR-A 100 w/unid vessel	abNL
2789	2213	FUE	Ny Brest	F	RTTY 75 RY-SG-test	abNL+ti47
2815	2233	IDR	Ny Roma	I	RTTY 75 CARB-msgs	abNL+ti47
2829.5	2200	SPB	Szczecin R.	POL	SITOR-B 100 tfc list	abNL
2845	2234	PBB	Ny Den Helder	HOL	RTTY 75 CARB	abNL+ti47
2892.3	2236	MGJ	Ny Faslane	G	RTTY 75 CARB	abNL+ti47
3172.5	2239	IMB31	Rome Meteo	I	RTTY 50 BBXX-reports	ti47
3245	2100	UCE	Arkhangelsk R.	RUS	SITOR-A 100 w/unid vessel	abNL
3390	2245	MGJ	Ny Faslane	G	RTTY 75 CARB	ti47
3435	2105		Unid NATO (poss. Royal Navy)		BAUDOT 100 Encrypted msgs separated by 16 RY's + VMGCTNJHB	abNL
3764.4	2249	PBB	Ny Den Helder	HOL	RTTY 75 CARB	abNL+ti47
4002	2251	YRR4	Bucuresti Meteo	ROU	RTTY 50 AAXX-reports	abNL+ti47
4015	1804	AE1USA	USAF MARS Heidelberg	D	PACKET 300 Msg to AE1UFB	abNL
4227	2120	IGJ42	Ny Augusta	I	BAUDOT 100 CARB	abNL
4246	2134		Unid NATO (poss. Royal Navy)		BAUDOT 100 Encrypted msgs separated by 16 RY's + VMGCTNJHB	abNL
4295	2256	HWN	Ny Paris	F	RTTY 75 RY-SG-tape	abNL+ti47
4322.1	2258	MGJ	Ny Faslane	G	RTTY 75 CARB	ti47
4489	2300	GFL26	Bracknell Meteo	G	RTTY 75 AAXX-reports	ti47
4569.9	0032	HZN46	Jeddah Meteo	ARS	RTTY 100 AAXX-reports	ti47
4583	0035	DDK2	Quickborn Meteo	D	RTTY 50 AAXX-reports	abNL+ti47
4813	0037	LZA8	Sofia Meteo	BUL	RTTY 50 AAXX-reports	abNL+ti47
4861.5	2000		Unid DCN	?	PICC/? single ch idle	pcG
5018	1532	RFF--	Unid FF	F	ARQE/72/400 Ex. EXEAT 972	pcG
5164.4	1100	FIT562	Unid (Arras, ed)	F	SITOR/A/170 FF msgs + `essai as de fit562` `de fit562` `essai as de fit562` `ryryry` `de f88 qsl..`	pcG
5164.4	1130	FIT588	Epinal	F	SITOR/A/170	pcG
5164.4	1235	FIT536	Unid (Chateauxaux, ed)	F	SITOR/A/170 S/C EPVO	pcG
5221	0850	RFF--	Unid FF	F	ARQE/72/400 Ex. EXEAT 972	pcG
5254	1105	RFF--	Unid FF	F	ARQE/72/400 Ex. EXEAT 972	pcG

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5279	0715	RFF--	Unid FF	F	ARQE/72/400 Ex. EXEAT 972	pcG
5731	0049	YRR4	Bucuresti Meteo	ROU	RTTY 50 AAXX-reports	ti47
5733.2	1855	HBD20/5	MFA Berne	SUI	SITOR/A 5lgs	pcG
5746	1459	RFF--	Unid FF	F	ARQE/72/400 Ex. EXEAT 972	pcG
5887.5	0051	IMB32	Rome Meteo	I	RTTY 50 AAXX-reports	abNL+ti47
6318.5	0051	IDR	Ny Rome	I	RTTY 75 CARB-msgs	ti47
6333.5	0054	IGJ	Ny Augusta	I	RTTY 100 CARB-msgs	ti47
6348	0758	HWN	Ny Paris	F	BAUDOT 150 Test tape	abNL
6358.5	0151	PBC	Ny Noordwijk	HOL	RTTY 75 CARB	ti47
6362.1	0153	MGJ	Ny Faslane	G	RTTY 75 CARB	ti47
6370.9	0155	GYU	Ny Gibraltar	GIB	RTTY 75 CARB-msgs	ti47
6434.4	0730	?	RNY?	G?	ITA2/100/170 encrypt + ry	pcG
6458	0156	FUO	Ny Toulon	F	RTTY 75 RY-SG	ti47
6483	0158	PBB	Ny Den Helder	HOL	RTTY 75 CARB	ti47
6496.3	0159	CFH	Ny Halifax	CAN	RTTY 75 id,RY,msg to fol.	ti47
6835	0205	GFL22	Bracknell Meteo	G	RTTY 75 METAR-reports	ti47
6929	0700	RFF--	Marseille	F	ARQE/192/170 EHR usualtest	pcG
6974.4	1600	DFF---	Bonn PIAB	D	FEC/A/96/400 GG news	pcG
6976	0700	RFF--	Ajaccio	F	ARQE/192/170 EHQ mon test	pcG
6978.7	2009	RFTJF	Port Bouet	CTI	ARQE3/48/400 JFJ msgs-newfrpcG	
7420	1359	RFF--	Unid FF	F	ARQE/72/400 Ex. EXEAT 972g	pcG
7524	2045	TYE	Cotonou Air	BEN	ARQ342/96/400/2ch to Niamey	pcG
7586	2041	RFVITT	Dzaoudzi	COM	ARQE/96/400 TTT to Le Port	pcG
7634	1415	P6Z	Paris MFA(RFGW)	F	FEC/A/192/400 5lgs to f9s	pcG
7644.2	2056	RFVI	Le Port	REU	ARQE3/100/400 RUN to Jibou.	pcG
7646	1322	DDH7	Quickborn Meteo	D	RTTY 50 AAXX-reports	ti47
7659	1442	HBD20/1	MFA Berne	SUI	SITOR/A 5lgs	pcG
7659	1800	HBD57	Vienna (Swiss E)	AUT	SITOR/A long 5lgs msgs	pcG
7662.8	2030	HBD20/2	MFA Berne	SUI	SITOR/A techn test msg	pcG
7752.2	2049	RFQP	Djibuti	DJI	ARQ342/200/400/2ch idle	pcG
7756	2030		Unid	?	ITA2/50/500 FF/AA msgs `fm	
7784	0214		USNy Cuttler, MA	USA	ccprm kidal to ccprm liberia	pcG
7841.7	1800	RFFXI	Bangui	USA	RTTY 75 TAF-reports	ti47
8148	1600	SNN299	MFA Warsaw	CAF	ARQE/96/400 idle (XZI cct)	pcG
8150	1416	PBB	Ny Den Helder	POL	POL-ARQ/100/170 msgs+cw id	pcG
8151	1644	IGJ44	Ny Augusta	HOL	BAUDOT 75 CARB	abNL
8192	1646	9MR	Ny Johor Baharu	I	BAUDOT 100 CARB	pcG+abNL
8493	1422		Royal Navy	MLA	BAUD 50 9MR 5/11 RMMJ MRB	abNL
8538	0221	6WW	FNy Dakar	G	BAUDOT 100 Encrypted tfc	abNL
9075	1815	P6Z	MFA Paris	SEN	RTTY 75 RY-SG-tape	ti47
9079.2	1835	RFQP	Djibuti	F	FEC/A/96/170 y91 de p6z ry	pcG
9249.2	1633		Unid	DJI	ARQE3/100/400 DJI to LePort	pcG
9259	1100	P6Z	MFA Paris(RFGW)	?	ARQE/45.1/170 idle+went off	pcG
10100.8	1218	DDK9	Hamburg METEO	F	FEC/A/192/400 d2z de p6z qsl	pcG
10254	2055		Unid	D	ITA2/50/400 met rpts	ti47+pcG
10264.1	2050		Unid	?	ARQE3/72/400 cont idle	pcG
10298.5	1900		Unid METEO	?	Unid 100/850 cont	pcG
10467.4	0810		Algiers	?	Possibly Bangkok/HSW62?cfm	pcG
10551.3	0920	GFL23	Bracknell Meteo	ALG	COQ/8 Customs-vehicle msgs	pcG
10626	1505	RFFXL	Beirut	G	BAUDOT 75 synops	abNL
10658.5	1630	GXQ	London DCN	LBN	ARQE/184.6/400 XZL msgs	pcG
10917.7	1845	RFTJ	C.Vert	G	PICC/6 s/ch op chat-Exercis	pcG
10945	2149	CFH	Ny Halifax	SEN	ARQE3/48/400 TJF to P.Bouet	pcG
11039	2147	DDH9	Quickborn Meteo	CAN	RTTY 75 ZKR-tape	ti47
12610.5	1130	VCT	Tors Cove R.	D	RTTY 50 id, RY	ti47
12615	0935	USU	Mauripol R.	CAN	SITOR/A various tfc	pcG
12625.5	1734	UCE	Archangelsk R.	UKR	SITOR/A wkg uspf	pcG
12668	1330	A9M	Bahrain R.	RUS	SITOR/A wkg ucbn	pcG
12740	1440		Unid NATO stn (Royal Navy?)	BHR	SITOR/B qtc list	pcG
12796.9	2132	PWN33	Ny Natal	BAUDOT 100 Encryp. tfc (16xRY		
12840.5	2130	PBC	Ny Noordwijk	VMGTCNJBH init string)	abNL	
12857	2125	6WW	FNy Dakar	B	RTTY 75 jumping fox,RYSG	ti47
				HOL	RTTY 75 CARB-msgs	ti47
				SEN	RTTY 75 RY-SG, testing	ti47



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12903	2123	RBSL	Ny Bombay	IND	RTTY 50 wx fr south	IND	ti47
12921.1	2121	MGJ	Ny Faslane	G	RTTY 75 CARB-msgs		ti47
12961.5	2117		Unid	?	RTTY 100 msg 5lg		ti47
13031.2	2114	FUF	FNy Fort-de-France	MRT	RTTY 75 RY-SG		ti47
13042.5	2113	FUV	FNy Djibouti	DJI	RTTY 75 RY-SG		ti47
13543.7	1806	RFTJD	Libreville	GAB	ARQE3/192/400 HAI to Paris	pcG	
14467.3	2107	DDH8	Quickborn Meteo	D	RTTY 50 wx-report		ti47
14485.7	1615	RFTPA	N`Djamena	TCD	ARQE3/200/400 FDZ to Paris	pcG	
14497.5	1745	CSY	Santa Maria Aero	AZR	ITA2/50/850 MCA msgs	pcG	
14573	1620	--	Tripoli JANA	LBY	ITA2/50/400 AA news	pcG	
14699	1630	YIX70	Baghdad INA	IRQ	ITA2/75/400 AA news	pcG	
14807	2104	GXQ	Army London	G	VFT 50 sev. RTT-chan. RYI	ti47	
14926.7	1650	RFLI	Ft. de France	MRT	ARQE3/192/400 TJD to C.VertpcG		
15920	2100	CFH	Ny Halifax	CAN	RTTY 75 ZKR-tape		ti47
16961.5	2050	FUF	FNy Fort-de-France	MRT	RTTY 75 RY-SG,test-tape		ti47
15961.7	1550	RFLI	Ft. de France	MRT	ARQE3/192/400 BFL to Paris	pcG	
19101.7	1054	RFLI	Ft. de France	MRT	ARQE3/192/400 BFL to Paris	pcG	
19530.2	1058	FJY2	Kerguelen	KER	ARQE3/96/400 msgs to Paris	pcG	

T I M E S I G N A L

2500	2230	ULA4	TS Tashkent	UZB	TS, cw-di		lrG
3251	1943		Unid, timesignal!	RUS	cw =990044??8???		ti47
3330	0334	CHU	NRC Ottawa	CAN	EE/FF TS, id, ta		zeTC
4996	0039	RWM	TS Moscow	RUS	cw-id, vvv cq...		ti47
15000	0033	wwv	NBS Fort Collins,CO	USA	TS, id		lrG

Q S L - R E V I E W

ITU-Station	Days	rcvd/gvn	QRG	Callsign	Power	Name
ARG-Argentina R.	27	lt/1USD	12581	LSD836		hb31
ARG-Observ.Nav. B. Aires	18	cd (f/up)	10000	LOL		lrG
ATW-LIAT Juliana	28	ppc (hrd in GDL) f/up	5568	`Juliana`	120 w	ai47
AUS-Melbourne R.	25	f/d lt	8176	VIM		lrG
AUS-Townsville R.	69	lt,info/IRC	8452	VIT		hb31
AUS-Townsville R.	41	f/d lt	8452	VIT		lrG
AZR-Sao Miguel R.	34	f/d lt (f/up)	2741	CUG		lrG
BAH-NDB Bimini	32	ppc (hrd in GDL) f/up	396	`ZBB`	2000 w	ai47
BHR-Hamala R.	8	f/d cd	2642	A9M		lrG
CYM-NDB Cayman Brac	33	ppc (hrd in DOM) f/up	415	`CBC`	1000 w	ai47
CYM-NDB Georgetown	33	ppc (hrd in DOM) f/up	344	`ZII`	1000 w	ai47
CYP-NDB Dhekelia	24	lt (hrd in CYP) f/up	343	`DKA`	50 w	ai47
CYP-NDB Larnaca	24	lt (hrd in CYP) f/up	432	`LCA`	100 w	ai47
CYP-Nicosia R.	46	f/d lt	17013	5BA		lrG
D -NDB Cottbus-Drewitz	10	ppc,vc/ms	355	`DRW`	50 w	zeTC
D -NDB Heringsdorf	16	ppc,cd,st/RP back	330	`HC`		hb31
D -NDB Barth	4	ppc/RP	373	`BTH`		hb31
D -NDB Trent	3	ppc/RP	FM 108.45	`TRT`		hb31
D -NDB Fulda	29	ppc/RP	378	`FUL`		hb31
D -NDB Spessart	7	ppc/RP v.FFM	370	`PSA`		hb31
DNK-NDB Roskilde	7	ppc/RP dir.	368	`RK`		hb31
EST-NDB Tallinn	20	lt,ppc/IRC	386	`LK`		hb31
EST-NDB Viljandi	20	lt,ppc/IRC	405	`EWZ`		hb31
F -NDB Cap Bear Lt.	45	ppc,cd/RP	303.5	`BR`		hb31
F -CROSS Corsen	17	lt/RP	2182			hb31
F -CROSS Corsen	8	lt,i	2182			lrG
F -Boulogne R.	18	f/d lt	3795	FFB		lrG
FNL-NDB Pakka	5	ppc/RP via HQ	368	`PAK`		hb31
G -Dover Coast Guard	21	f/d lt	2182			lrG
G -Portishead R.	23	ppc	22377	GKE7		lrG
G -Portishead R.	23	ppc	16824	GKP6		lrG

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G -Wick R. (via Shetland)	8	f/d lt/SAE	1770	GKR		lrG
HKG-Cape D'Aguilar R.	34	folder with fo,sti	8539	VRX35	5000 w	ai47
HWI-Kahalehani R.	42	cd (via HQ)	12611.5	KEJ		ai47
HWI-Kahalehani R.	31	cd (via Globe wirel.)	12611.5	KEJ		lrG
HWI-USCG Honolulu	46	f/d cd	8764	NMO		lrG
I -NDB Bologna	37	ppc/RP back	413	BOA		hb31
IRL-Shannon Aero	21	f/d lt,i	8879			lrG
IRQ-Basrah R.	1109	f/d-cd	16906	YIR	2000 w	ai47
ISL-Neskaupstadur R.	128	f/d cd	1761	TFM		lrG
ISR-NDB Ben Gurion	25	ppc (hrd in ISR) f/up	309	BGN		ai47
ISR-NDB Haifa	25	ppc (hrd in ISR) f/up	317	HFA		ai47
ISR-NDB Jerusalem	25	ppc (hrd in ISR) f/up	336	IRM		ai47
ISR-NDB Ramat Dawid	25	ppc (hrd in ISR) f/up	368	RMD		ai47
IW -FGS Kronsport	29	ppc,fo's	3116	DRME	500 w	ai47
LTU-Navigation Radio Center	19	lt,vc	8541	LYL		ai47
NOR-Rogaland R.	21	ppc/SAE	17074	LGX		lrG
NOR-Rogaland R.	21	ppc/SAE	12727.5	LGJ		lrG
NOR-Rogaland R.	21	ppc/SAE	8574	LGB		lrG
NOR-Rogaland R.	21	ppc/SAE	4261.5	LGW		lrG
NZL-Awanui R.	13	cd/- via USA	8417	ZLA		hb31
NZL-Awanui R.	64	cd (via Globe wirel.)	8417	ZLA		lrG
PHL-Bulacan R.	49	lt	12906	DZJ		lrG
S -Goteborg R.	47	cd (via Globe wirel.)	6326.5	SAB		lrG
SEY-Victoria R.	20	lt	12660	S7Q		lrG
SVK-Bratislava R.	22	f/d lt,certificate,i	13057	OMC		lrG
UKR-Mariupol R.	17	ppc,calendar/1USD	12732	USU/USW		hb31
URG-Cerrito R.	28	f/d lt (f/up reg. mail)	8602	CWA		lrG
USA-MARS Dell Rapids,SD	19	lt,ham-cd	14477	NNN0BMV		ai47
USA-MARS Sugar Grove,WV	39	ppc (f/up)	14441.5	NNN0NWV		ai47
USA-NDB West Palm Beach	23	ppc (hrd in DOM) f/up	356	PB	400 w	ai47
USA-Tuckerton R.	17	cd,info/1USD via WLO	8680	WSC		hb31

ppc=prepared card, lt=letter, i=information, fo=photo, sti=sticker, vc=viewcard,

cd=card, irc=international reply coupon, ms=mint stamps, rp=return postage, sked=schedule, sase=self addressed and stamped envelope, sae=self addressed envelope, f=folder, f/d full detailed, USD=US Dollar

## Inquiries Department:

OM Lionel (lrG) would like to know if anybody has an info, if the SITOR channels

from KMI, WOM and WOO are active. He still hasn't caught anything! Replies via EUNL please and I will pass it to him (lrG).

The address of Callao Radio-OBC 3 (Marina de Guerra del Peru, Direccion de Comunicaciones, Avenida la Marina Cuadra 36, Callao 4) isn't valid any longer. My report came back with a remark `Desconocido` (unknown). Anyone with a new idea? (ai47)

Anyone, who has interesting stuff (QSL-copies, infos, a.s.o.), should not hesitate to send it for publishing to me. I'm running a bit out of material. (ai47)

## Membership and Money corner:

Fee received from OM koCH (Vielen Dank für die Spende, lieber Kurt!!!) and zeTC.

TNX!!!

## Addresses/Infos/Veri-signers:

For Internet freaks: Globe wireless has it's own web page at:  
<http://www.globewireless.com>

Another source of Utility frequencies is available at:

<http://ourworld.compuserve.com/homepages/shoc/frequ.htm>

This page of `Hot frequencies` is made by our member koCH and will be updated all one to two months. Tnx for info, Kurt!

c/f EUNL 7-97: 331a NV is Amsterdam-Schiphol on 332 kHz (ex `SNV`)  
 379a FUL is Fulda on 378 kHz  
 411a PP is Pécs on 412 kHz (ex `PCS`) all by zeTC TNX!!

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Some verisigners:

Bratislava R./OMC: Martin Vicik, Chief Radio Operator  
Cerrito R./CWA: Hector Sperduto Melillo  
Victoria R./S7Q: Joseph Benstrong, Supervisor  
Townsville R./VIT: Gavin Reibelt  
Melbourne R./VIM: Roger Boyden  
Wick R./GKR: Tony Fell  
Shannon Aero: Patrick Gleeson, Operations Manager  
Bulacan R./DZJ: Hernando S. Cabrera, General Manager (all by 1rG)

Sao Miguel R./CUG: R. Conselheiro Dr Luis Bettencourt, 16 9600 Ponta Delgado, AZORES (1rG)  
Argentina Radio/LSD836: Espinosa 1045, 1405 Buenos Aires, Argentina. v/s Juan Manuel Avila, Jefe (hb31)  
MARS Sugar Grove, WV/NNN0NWV: NAVSECGRUACT Sugar Grove, Naval Security Group Activities, MARS Comms. Stn, Sugar Grove, WV 26815-0002 (ai47)  
MARS Dell Rapids, SC/NNN0BMV: William P. Huntimer, RR2 Box 141A, Dell Rapids, SD 57022 (K1OCW)(ai47)  
Navigation Radio Center of Klaipeda/LYL: Nemuno str. 24, 5806 Klaipeda, Lithuania v/s Vladimir Liubimov, Chief of Radio Bureau (ai47)  
Basrah Radio/YIR: Iraqi Ports Administration, Basrah (ai47)  
LIAT Juliana, c/o LIAT (1974) Ltd., HF Operations / Dispatch Office, Juliana Airport, SINT MAARTIN (Netherlands Antilles) (ai47)  
ISR NDB's: Israel Airports Authority, Head Office - Operations Division, P.O. Box 137, Ben-Gurion Airport 70000 (ai47)  
CYP NDB's: Cyprus Telecommunications Authority, 121 Prodomos Street, P.O. Box 1929, Nicosia 116 (ai47)  
NDB West Palm Beach, FL/PB: DOT/FAA, Airways Facilities Systems Support Center, 3901 Southern Boulevard, West Palm Beach, FL 33406 (ai47)

CIS Airline Networks by dmrUS

Four so-called `Moscow` airline radio networks connect CIS airports. Here you may obtain information on flight departure times, airports `working` schedules, meteorological data etc. Main info stream is usually sent via telex lines, and radio connection is used only for urgent requests and last minute messages. Transmitters are located inside airports` areas. They are owned by `RosaAeroNavigatsia`, a service for aero navigation in Russia, and by similar services in other CIS countries. They work only in point-to-point mode -- exchange with airplanes` crews is performed on other frequencies. Networks No. 1, 2, 3, and 4 use shared frequencies. The frequency in use for given time slice is selected by the netcontrol (Vnukovo Airport, Moscow; its callsign is ARBAT). For example, 6945 kHz may sometimes be used by the 4th network, and other days -- by the 2nd.

The command to retune from daytime channel to the night one (and back) is issued by the netcontrol. In case of heavy disturbance the reserved channel is made active. Modulation mode is USB.

Daytime frequencies are:

6405, 6820, 6895, 6945, 7545, 7870, 8095

Nighttime frequencies are:

2770, 3245, 3255, 3520, 3595, 3658, 3815, 4045, 4405, 4755

The networks are organised by geographic criteria, but some main airports can be encountered on two, three or even on all of them.

Network No. 1 -- North  
Network No. 2 -- Central European part  
Network No. 3 -- South  
Network No. 4 -- East

Callsigns transliterations are given as heard (not as written!)

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Call	City (Airport)	ITU	Network No.
ADULIAR	Ukhta	RUS	1
AGURCHIK	Moscow (Sheremetyevo)	RUS	1,2,3,4
ALENKI	Yekaterinburg (Koltsovo)	RUS	1,4
AMBA	Samara (Kurumoch)	RUS	2,3,4
AMBARCHIK	Aktyubinsk	KAZ	4
AMPIR	Ufa	RUS	3,4
ARBAT	Moscow (Vnukovo)	RUS	1,2,3,4
ARIM	Bishkek	KGZ	4
ATLANT	Lugansk	UKR	2
ATRAPIN	Yerevan	ARM	2,3
AVRORA	Volgograd	RUS	2
AZARIN	Nukus	UZB	3
BEREZHNY	Khanty-Mansiysk	RUS	4
BEZBREZHNOST-DVA	Uray	RUS	1
BRASHKA	Chelyabinsk	RUS	1,4
DRABILKA	Tbilisi	GEO	2,3
DRUZHINNIK	Batumi	GEO	2
DUNIS	Kustanay	KAZ	4
ELEKTRICHKA	Donetsk	UKR	3
EMBA	Kirov	RUS	1
FABRIKAT	Salekhard	RUS	1
FANERKA	Minsk-1	BLR	1,2
FASSIMETR-DVA	Nizhnevartovsk	RUS	4
GERCEG-DVA	Novy Vasyugan	RUS	4
GNEDOY	Vorkuta	RUS	1
IZBRANNY	Petropavlovsk	KAZ	4
KAPEL	Omsk	RUS	2,4
KARSAK	Almaty	KAZ	3,4
KASTIANKA	Uralsk	KAZ	4
KATIUSHA	Novosibirsk (Tolmachevo)	RUS	4
KAVRIGA	Semipalatinsk	KAZ	4
KAYOMKA	Syktvykar	RUS	1
KAZACHOK	Nizhni Novgorod	RUS	2
KHRIZANTEMA	Minsk-2	BLR	2
KIPAZH	Odessa	UKR	2
LAPATOK-DVA	Aktau (ex Shevchenko)	KAZ	3
LATYSHKA	Akmola (ex Tselinograd)	KAZ	4
MAKHAVIK	Kurgan	RUS	4
MEKHANIKA	Kishinev	MDA	2
MELODIYA-DVA	Kazan	RUS	2,4
OKISEL	Ulyanovsk	RUS	1,3
PAYEDINOK	Guryev	KAZ	3
POLZA	Turkmenbashi (ex Krasnovodsk)	TKM	3
POYMA	Ashgabat	TKM	3
PRALIF	Tashkent	UZB	4
RADAN	St Petersburg (Pulkovo)	RUS	1
RIDAN	Makhachkala	RUS	3
SANTIM	Pechora	RUS	1
SARDINA	Baku	AZE	3
SERIOZHKA	Astrakhan	RUS	3
SHPORA	Rostov-na-Donu	RUS	2,3
SHTAT	Sochi-Adler	RUS	2
SHTEPSIL	Tobolsk	RUS	4
SISINA	Simferopol	UKR	2
TAKHTA	Orenburg	RUS	3,4
TIURIK	Krasnodar	RUS	1,3
TORBA	Saratov	RUS	2
TRENOGA	Kharkov	UKR	2,3
TSADIK-DVA	Surgut	RUS	4
TVARETS	Penza	RUS	2
UBEZHISHCHE	Mineralnye Vody	RUS	3,4
UCHTIVY	Lvov	UKR	2
UKLAT	Sukhumi	GEO	2
VERTIURA	Kaliningrad	KAL	1
VYEROCHEK	Beloyarski	RUS	1
YAROK	Kiev (Borispol)	UKR	1,2,3

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YELOVY	Karaganda	KAZ	4
ZADORNY	Voronezh	RUS	1,2
ZOOTEKHNIK	Tyumen (Roshchino)	RUS	4

At USSR times, three more stations worked in Network No. 1: ZHELESKA (Vilnius, LTU), KISTOCHKA (Tallinn, EST) and SNEZHOK (Riga, LVA).

Drifts of some stations from one network to another are possible (but it doesn't happen often). (vy nice stuff, mny tks, ed)

Russian Navy.... confirmation at last! (via abNL)

I reported many times about the ex-Soviet navy stations with their characteristic single-letter channelmarkers. Lots of people however, still do not believe that these are really naval stations. Until a few days ago the only evidence we had were the messages that we copied on the channelmarker freqs. Well folks, I now can tell you that these stations REALLY ARE NAVAL STATIONS !!!

A Russian naval radio operator confirmed it to me in person. He identified 'L' as St.Petersburg, 'P' as Kaliningrad, 'S' as Arkhangelsk and 'C' as Moscow. He knew that there were other stations around but did not know which.=20

At the moment the following stations are still active:

- Channelmarker `F`, Vladivostok
- Channelmarker `C`, Moscow
- Channelmarker `L`, St.Petersburg
- Channelmarker `P`, Kaliningrad
- Channelmarker `R`, Ustinov
- Channelmarker `S`, Arkhangelsk
- Channelmarker `V`, Khiva

My special thanks for this issue goes to the following (10) individuals: dmRU (your further logs will be in EUNL 10-97, space problems!), fmI (nice to have you back, dear Fabrizio!), wk08, lrg, abNL, ti47, hb31, zeTC, pcG, ai47

gd dx + 73

EUROPEAN UTILITY NEWSLETTER 10-97

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*****
*
* Editor:      Andreas Ibold, Mittelstr. 10, D-47441 Moers, GERMANY
* Tel.:       (49) 02841 / 178529 ***** e-mail: aibold@aol.com
* Home page:  http://members.aol.com/aibold/EUNL.htm
* Logs:       http://members.aol.com/aibold/logs.htm
* Treasurer:  Norbert Reiner
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* Dispatcher: Thomas Ingenpass
*
* Membership fees for the printed copies: payable to the treasurer
* Germany: 20 DM; Europe: 20 DM (13 $); Overseas: 25 $ or the equivalent in
* foreign currency - no cheques please!!
*
* Deadline: 20th of the month!!!
*
*****
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Hi out there,  
please note, that from the 1st of September 97 the postage in Germany for a normal standard letter has raised from 1 DM to 1,10 DM. (For those who include mint stamps with their reports, for example). But there is no need to raise the

membership fee!! we are better then Theo waigel, hi.

WUN as a new Internet address and can now be found at:

<http://www.gem.net/~berri/wun>

## N D B

277	0244	GOL	Golyama	BUL	id		nr44
285	0246	PT	Katowice/Pyrzowice	POL	id		nr44
293	0050	STE	Steinhof	AUT	id		nr44
295,5	2052	JA	Jaroslawiec Lt.	POL	id+dash		zeTC
296	0249	MG	Ljubljana/Brnik	SVN	id		nr44
298	2259	RR	Round Island	G	id+tone		nr76
299	0251	RD	Trieste	I	id+tone		nr44
300	0252	KD	Prague/Ruzyne	CZE	id		nr44
301,5	0053	TRE	Treviso	I	id		nr44
304	2155	TND	Tandarei	ROU	id		nr76
307a	2238	OW	UNID maritime (ÖM?)	?	id+tone	twice all 59 sec.	nr76
314	2259	WU	Wustrow Lt.	D	id+dash		zeTC
315	0206	LV	Lviv	UKR	id		nr44
319	2244	C	Prerov	CZE	id (QSY ex 213,5)		zeTC
322	0207	GDA	Gdansk	POL	id		zeTC
325	0209	KAU	Kaunas	LTU	id		nr44
326	2255	C	Debrecen	HNG	id (QSY ex 320)		zeTC
328	2248	TRO	Joday	LBY	id		nr76
328	0209	KAM	Ljubljana-Brnik	SVN	id+dash		zeTC
330	2120	PNO	Piaseczno-Warzawa	POL	id		zeTC
331	0211	TE	Thisted	DNK	id		nr44
334	0103	MR	Maribor	SVN	id+tone		nr44
337	0014	RMG	Romagnano	I	id		nr76
338	0214	TR	Trencin	SVK	id+dot (like 'TRE')		nr44
338	0108	NC	Nice	F	id+tone		nr76
338	often	TEST	Lahr (tent)	D	id		nr76
339	0215	ZL	Maastricht	HOL	id		nr44
341	0300	LAU	Hessisch Lichtenau	D	id		zeTC+nr44
342	0259	LL	Fagernes/Leirin	NOR	id		nr44
346	2115	BT	UNID	?	id		nr76
348	0111	TPL	Topola	YUG	id+tone		nr76
351,5	0220	PLA	Pula	HRV	id+tone		nr44
353	2358	SB	St. Briec/Armor	F	id+tone		nr76
356a	2123	FRE	UNID	?	id+dash (4x = 1 min)		zeTC
357	2253	CAS	Caselle/Torino	I	id		nr76
357	2124	MA	Leipzig	D	id		zeTC
358	0118	TUN	Tulln	AUT	id		nr76
359	0256	OF	Ljunby-Feringe	S	id		zeTC
359,5	0221	CDN	Chateaudun	F	id+tone		nr44
362	0222	BZO	Bolzano	I	id		zeTC+nr44
363,5	0423	BRD	Brindisi	I	id		nr44
366,5	0224	BER	Berne-Belp	SUI	id		nr44
371	2256	LEV	Levaldigi/Cuneo	I	id		nr76
374	2337	FS	Dresden	D	id		nr76
374,5	2140	SOG	Solling	D	id		zeTC
375	2305	CHO	Chochiwel	POL	id		nr76
377	0120	NZD	UNID (NOT IZD/LBY!)	?	id		nr76
385,5	2156	KIL	Kiel-Holtenau	D	id+dash		zeTC
387	2158	JAB	Jablonka	POL	id		zeTC
389	2015	MR	Myra-Skien	NOR	id		nr76+zeTC
390	2013	AVI	Aviano	I	id		zeTC
391	0028	CC	Chalon/Campforgeil	F	id+tone		nr76
395	2046	SJ	Sochaczew	POL	id		mo76
395	0052	FC	Figeac/Livernon	F	id+tone		nr76
395	2316	OB	Marseille/Provence	F	id+tone		nr76
396	2020	HYV	Hyvinkaa	FNL	id		zeTC
398	0229	NIT	Nitra	SVK	id		nr44
398	2024	PEO	Peola	S	id		zeTC
400	2025	BRZ	Breze	HRV	id		zeTC
400,5	2207	COD	Codogno	I	id		zeTC
404	2030	DA	Dalen-Torp	NOR	id		zeTC
406	2233	GRO	Grosseto	I	id		zeTC

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407	0240	BG	Berga	S	id	zeTC
409	0232	CZE	Czempin	POL	id	nr44
409	1949	SG	Satenas	S	id	zeTC
412	0052	PP	Pecs	HNG	id	nr76
413	0230	BOA	Bologna	I	id	zeTC+nr44
413	0536	NTM	Nattenheim	D	id	mo76
415	1920	OL	Lindkoping-Saab	S	id	zeTC
416	0231	POZ	Pozarevac	YUG	id+tone	nr44
416	0102	ULT	Ussl/Thalamy	F	id+tone	nr76
417	2115	AH	Angelholm	S	id	zeTC
418	0233	ORA	Oradea	ROU	id	nr44
418	0233	GRE	Grebbestad	S	id	nr44
420	2117	SS	Malmo-Sturup	S	id	zeTC
420	2218	ZV	Tuzla	BIH	id+dash	zeTC
421	1958	SAL	Zadar-Sali	HRV	id	zeTC
421	0222	HS	Halmstad	S	id	zeTC
423	0224	ZO	Nis-Zhitorada	YUG	id+dash	zeTC
423	0225	FOR	Forli	I	id	zeTC
424	2040	PIS	Pisarovina-Zagreb	HRV	id+dash	nr44+zeTC
429	1929	GBL	Giebelstadt	D	id	zeTC
429	2003	POZ	Poznan-Lawica	POL	id	zeTC
431	often	KBA	Karlsruhe/Baden Baden	D	id	nr76
431	2222	HNU	Hanau	D	id	zeTC
434	2339	BR	UNID	?	id+tone	nr44
435	2335	SM	Semyenovka	RUS	id	nr44
436	1932	TEST	UNID	?	id (6x = 1 min)	nr44+zeTC
436	0232	FRA	Sarajevo-Butmir	BIH	id+dash	zeTC
440	2122	TRG	Targovisthe	BUL	id	zeTC
453	0237	CN	Piestany	SVK	id	nr44
480	0230	VIB	Viterbo	I	id	nr44
480	2249	VIB	Viterbo	I	id	zeTC
482	0239	SWH	Schwäbisch Hall	D	id	nr44
490	0235	WAK	Vakarel	BUL	id	nr44
490	1943	DVI	Donaueschingen	D	id	nr44+zeTC
513	0241	CLJ	Cluj	ROU	id	nr44
518	2116	TM	Tomakovka	UKR	id	zeTC
525	0242	HG	wroclw-Strachowice	POL	id	nr44
840	2026	KR	Kaliningrad	KAL	id	zeTC
850	2057	BN	Bronitsa	UKR	id	zeTC

(nr44 was nr76 in Bochum)

## F I X E D

2553	1952		Unid	F	cw BT NR 06 S 02 21:50:16 1997 BT + 5LG`s	abNL
2666	2040		Unid	?	cw- 5FG`s	abNL
2705	1925		Unid	?	cw- Pips, 50 per minute	abNL
2844	1900		Mossad	ISR	USB ULX transmission	abNL
2846	2318		Unid	?	cw-Weird distorted sound. Sent the word ÜFEAV (...- ...- . . . - ...-) for hours	abNL
2961	2214		Unid	?	cw wkg cont. 99 31160	ti18
3175	2156	V	Ny Khiva	RUS	cw-marker	abNL
3196	2222	R	Ny Ustinov	RUS	cw-channelmarker	abNL
3321	2154	R	Ny Ustinov	RUS	cw-marker	abNL
3340	1733	FDI8	AF Nice	F	cw-vvv	zeTC
3388	2228		Unid	?	cw 5FG`s	abNL
3768,5	0024	FDC	AF Metz	F	cw-vvv	zeTC
3772	2218	P	RUS Ny Kaliningrad	KAL	cw-marker P groups of 3 P	abNL
3678	0028	SXH32	Ny Kriti	GRC	cw-vvv	zeTC
4018,5	1935		Unid	?	cw BT NR 19 A 28 21:24:21 BT + 5LG`s. This went on for hours. Very loud signal.	1997 abNL
4021	2003		Unid	?	cw Endless 5FG`s	abNL
4030	2120		Unid	?	cw 557 51 + 5LG`s	abNL
4031	2051	P	RUS Ny Kaliningrad	KAL	cw-marker P groups of 3 P	abNL
4031	2237		Unid	?	cw wkg ngs, vari. 2,3,6,5	ti18
4040	2208		Unid Russian mil.	RUS	cw Callsign + 10-count	abNL
4060	1952		Unid	F	cw BT NR 06 S 02 21:50:16 1997 BT + 5LG's	abNL

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4084	1830		Unid	?	Strong multi tone jammer	abNL
4280	2306	FDI8	AF Nice	F	cw-vvv	ti18
4470	2203		Unid	?	cw-vvv QRJ NO QCM QYT6 K	abNL
4475,9	2050	P	RUS Ny Kaliningrad	KAL	cw-channelmarker	ti18+abNL
4485	1654		Unid	?	cw 275 275 9T 9T 38 38 =	
5FG`s, each group was repeated abNL						
4547	2035	`3HU`	Unid German? mil.	?	USB Stations 3HU, N9P, D7K	
radio checks in English and tactical talks in German. abNL						
4557,9	2040	R	Ny Ustinov	RUS	cw-marker	abNL
4557,9	2146	P	RUS Ny Kaliningrad	KAL	cw-marker	abNL
4558	2146	S	Ny Arkhangelsk	RUS	cw-marker	abNL
4558	2146	C	Ny Moscow	RUS	cw-marker	abNL
4605	1700	P	RUS Ny Kaliningrad	KAL	cw-mkr P+msgs 36-50 mode	abNL
4622	2155		Unid	?	cw BT NR47 A 94 23:58:02 1997	
BT + 5LG's, many messages abNL						
4790	1719	FDE14	AF Contrexville	F	cw-vvv tape	abNL
4762	2052	`XYT`	Dutch Army exercise	HOL	USB talks + on-line encrypted	
50bd RTTY abNL						
4791	2210	FDE14	AF Contrexville	F	cw-vvv tape	abNL
4798,9	2240		Unid (see also 6845.9 kHz)		cw-vvv 933 + 5FG`s	abNL
4880	2200		Mossad	ISR	USB ULX2 broadcast	abNL
4943	2138		Unid Russian?	?	cw Cyrillic letters and fig.,	
no words. Each character is separated by a space mark. Prob. encry. abNL						
5054	0800	?	UNID? tact net ?	?	cw 2 cw stn c/s f4gz + x7mz	
sending 5ltr gr msgs pcG						
5215	2202		Unid	?	USB German number station,	
5LG`s, ended with `000 000 ende` abNL						
5268	2020	HEP5	Kantonspolizei Zuerich	SUI	cw-vvv tape	abNL
5342	0755	FDY	AF Orleans	F	cw v mkr	pcG
5370	0712	FDY	AF Orleans	F	cw-vvv	zeTC
5446,5	1508	FDC	AF Metz	F	cw-vvv	zeTC
5471,6	2030	LN2A	Norsk PTT Sveio	NOR	cw + databursts	zeTC+dmRU+abNL
5763	0540	FDE14	AF Contrexville	F	cw-vvv	zeTC
6647	0826	GUYW	HMS Guernsey	IW	wkg MAFF Base	ai47
6647	0826		MAFF Base London	G	wkg GUYW	ai47
6800,9	2040		Unid	?	cw- A 23 23 + 5FG`s sent twice	
Station used short zero`s abNL						
6844,5	2026	FDC	AF Metz	F	cw-vvv tape	zeTC+abNL
6845,9	2028		Unid	?	cw-vvv ZIK 933 + 5LG's (later	
also on 4798,9 kHz) abNL						
6871	2053	HEP7	Kantonspolizei Zuerich	SUI	cw-vvv tape	abNL
6935	1722	RMP	RUS Ny Kaliningrad	KAL	cw-rem de rmp qtc	zeTC
6936	1735	RMP	RUS Ny Kaliningrad	KAL	Navip for Baltic Sea	dmRU
6992,5	1010	MFM38	RNY Sea Cadet Corps	G	USB w/MFJ22,MFJ04,MFM01	abNL
7038	2054	P	RUS Ny Kaliningrad	KAL	cw-channelmarker	abNL
7039	1743	C	Ny Moscow	RUS	cw-channelmkr	abNL+dmRU
7039	1744	S	Ny Arkhangelsk	RUS	cw-channelmkr	abNL+dmRU
7670	1630	FDI8	AF Nice	F	cw-vvv	ti18+zeTC
7871,7	2012	LN2A	NPTA Beacon	NOR	cw-id + tlx	ti18+dmRU
8095	0810	FDC	AF Metz	F	cw-vvv	zeTC
8117	1559	BMB	Taipei Meteo	TWN	cw-vvv cq	zeTC
8136	1459		Unid	?	cw 5ng, then highspeed RTTY	ti18
8495	1952	S	Ny Arkhangelsk	RUS	cw-channelmkr	dmRU
8495	1952	P	RUS Ny Kaliningrad	KAL	cw-channelmkr	dmRU
8495	1952	C	Ny Moscow	RUS	cw-channelmkr	dmRU
10046	2012	4XZ	Ny Haifa (Aero band!!)	ISR	cw-vvv tape	abNL
10407	1358	LN2A	NTRA Beacon	NOR	cw-id + phasing	zeTC
10408,7	2016	LN2A	NPTA Beacon	NOR	cw-id + tlx	dmRU
10872	1656	P	RUS Ny Kaliningrad	KAL	cw Very fast `P` marker	abNL
10872	1656	C	Ny Moscow	RUS	cw-channelmarker	abNL
10872	1656	S	Ny Arkhangelsk	RUS	cw-channelmarker	abNL
11213	0930	FDI8	AF Nice	F	cw-vvv	zeTC
14441,5	2131	NNN0CVR	USCGC Reliance	IW	USB wkg NNNORRC.	ibG
14656	1333	SPW	Warsawa R.	POL	USB Clg all ships	abNL
14931	1650	8BY	Paris ?	F?	cw-v mkr is it Paris?	pcG
18461,5	1306	PCW1	MFA Den Haag	HOL	cw-marker	abNL



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## A E R O

2941	2208	St. Petersburg Volmet	RUS	USB	wkg wx reports	ti18
3413	2225	Shannon Volmet	IRL	USB	wkg wx for Turin	ti18
5450	2330	MVU RAF Upavon Volmet	G	USB	wkg wx for RAFBS	ti18
5505	2336	Shannon Volmet	IRL	USB	wkg wx for Amsterdam	ti18
5517	2249	BTC-2903 Bashkirian Airlines	AIR	USB	wkg Khartoum	ibG
5568	2009	Astrachan R.(SERYOSKA)	RUS	clg	STANOK	dmRU
5616	2233	Gander Aero	CAN	USB	w/many aircraft	abNL
5616	0637	CTB-706 City Bird	AIR	USB	wkg Shanwick	ibG
5649	2051	SNB-1836 Sterling	AIR	USB	wkg Shanwick FL330	ibG
5649	1716	SSV-551 Skyservice	AIR	USB	wkg Gander	ibG
5680	1443	Kinloss Rescue	G	USB	w/Rescue 177 r/c	abNL
5680	1435	Plymouth Rescue	G	USB	w/S126/Rescue165/S193	abNL
5680	1145	Plymouth Rescue	G	USB	w/Rescue 51 r/c	abNL
5680	1355	Kinloss Rescue	G	USB	w/Alpine 23	abNL
8861	2143	ASCOT-3201 RAF Tristar 216SQN	AIR	USB	wkg Dakar (Regn: ZE706)	ibG
					Ascension to RAF Lyneham.	ibG
8861	2110	PT-WHH UNID	AIR	USB	wkg Canarias	ibG
8861	1947	ACH-995 UNID	AIR	USB	wkg Dakar	ibG
8894	2051	GBU-001 Transports Aeriens De La Guinee-Bissau	AIR	USB	clg Algiers+wkg Niamey	ibG
8894	0639	7T-VIM UNID pos. Air Algerie	AIR	USB	wkg Algiers	ibG
8894	0707	7T-WUJ Air Algerie	AIR	USB	wkg Algiers	ibG
8894	0628	Adrar Aero	ALG	USB	wkg Bechar Aero	ibG
8903	0557	AFP-0031 Portuguese AirForce	AIR	USB	wkg N`djamena	ibG
8903	1859	5V-TPA Air Dabia. 1859:USB: wkg Bangui. B-727.				ibG
8903	0622	CSS-9321 UNID Regn: N812CK	AIR	USB	wkg N`djamena FL370 DC8	ibG
8903	2140	TR-LEG UNID	AIR	USB	w/ Niamey to Libreville	ibG
8906	2152	NRN-392 Netherlands Navy	AIR	USB	wkg New York	ibG
8906	2130	Navy RY09	AIR	USB	wkg New York FL310	ibG
11175	2203	USAF Ascencion	ASC	USB	w/Navy 4L, pp	abNL
11175	1013	R24	AIR	USB	clg mainsail. No joy	abNL
11175	1017	USAF Croughton	G	USB	w/Airevac 1066	abNL
11175	1443	USAF Thule	GRL	USB	w/Chappo 89	abNL
11175	2207	USAF McClellan	USA	USB	EAM DOCVE7	abNL
11175	1935	Reach 6640	AIR	USB	w/unid station	abNL
11175	0926	USAF Thule	GRL	USB	w/Quid 60, pp + pirep	abNL
11175	1404	USAF Thule	GRL	USB	w/IOF003	abNL
11175	1841	USAF Incirlik	TUR	USB	EAMS	abNL
11175	2135	Reach 199	AIR	USB	pp to Howard Meteo	abNL
11175	2142	USAF Ascencion	ASC	USB	w/Reach8266,pp toHilda	abNL
11175	2018	AC64I2	AIR	USB	clg mainsail	abNL
11175	2048	Jesse-95	AIR	USB	w/ASC req. wx fr Howard AFB	ibG
11175	2132	Reach 709F 305AMW McGuire	AIR	USB	wkg Thule Tail nr:40638	ibG
11345	2119	ASG-347 Air Service Ukraine	AIR	USB	wkg Stockholm	ibG

## M A R I T I M E

435	2136	SAA	Karlskrona R.	S	cw-de saa	zeTC
438	2050	OXZ	Lyngby R.	DNK	cw-000 cq de oxz	zeTC
448	2012	SDJ	Stockholm R.	S	cw-cq	zeTC
511	2010	SPH	Gdynia R.	POL	cw-cq	zeTC
1650	0240		CROSS Corsen	F	OM FF wx-info	ai47
2182	0239		CROSS Corsen	F	OM FF ans for 1650kHz	ai47
2182	2007	GBBE	HMS Edinburgh	IW	wkg Lands End R.	ai47
2357,5	2017	OUA32	Ny Stevns	DNK	cw-vvv tape	abNL
2643	2255	A9M	Hamala R.	BHR	cw-marker	abNL
2643,5	2255	SPS	Witowo R.	POL	cw-DE SPS/TOR	ti18+zeTC+abNL
2780,5	2308	GND4	Stonehaven R.	G	cw-marker	abNL
2795	2311	ESA	Tallinn R.	EST	cw-marker	abNL
2829,5	2340	SPB	Szczecin R.	POL	cw-marker	abNL
3540	0033	UGC	St. Petersburg R.	RUS	cw-de ugc	zeTC
3542,7	0035	GKE1	Portishead R.	G	cw-id + sitor	ti18+zeTC
3615,7	0423	GKY1	Portishead R.	G	cw-id + sitor	zeTC
4154,5	1940	DHJ59	Ny Wilhelmshaven	D	USB w/unid vessel	abNL
4154,5	0557	DHO26	Ny Rostock	D	USB wkg DHJ59	ibG

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4223	1959	UCW4	St. Petersburg R.	RUS	wkg in fast Morse	dmRU
4224	2258	TCR	Tophane Kulesi R.	TUR	cw-cq	ti18
4260	2302	TBA	Ny Ankara	TUR	cw-vvv for T13A	ti18
4272	2052	SPA	Gdynia R.	POL	cw-marker	abNL
4274	1942	GKB2	Portishead R.	G	cw-QSX tape	abNL
4275,5	2305	TBA5	Ny Ankara	TUR	cw-vvv	ti18
4292	1940	IAR	Roma R.	I	cw-Weather	abNL
4303	2210	OXZ	Lyngby R.	DNK	cw-tfc list	abNL
4346	2027	9AR	Rijeka R.	HRV	cw-vvv tape	abNL
5696	0018		UNID USCG	USA	prob. Iding as `key adio`	nr76
6357	2223	SAA	Karlskrona R.	S	cw QSX tape	abNL
6425	2226	UGC	St.Petersburg R.	RUS	cw QSX tape	abNL
6493,5	2220	LYL	Klaipeda R.	LTU	cw w/unid vessel	abNL
8207	2302	3FOA5	Cruise Ship Inspiration	IW	USB clg WOM	ibG
8234	2308		SS Norway	IW	USB wkg WOM	ibG
8354	1640	EVYD	UNID ship	RUS?	cw-sending telegrams	dmRU
8419	1604	VIP	Perth R.	AUS	cw-id + sitor	ai47
8442	1558	TCR	Tophane Kulesi R.	TUR	cw-cq,tfc list at 1600	nr76
8450	1600	RUF9	UNID (CIS Ny?)	?	cw-ann 4266,8450,12610.5	nr76
8452	0655	VIT	Townsville R.	AUS	cw-v/cq mkr `vim/vit`	pcG
8474	1543	JYO	Aqaba R.	JOR	cw-cq	dmRU
8476	1550	9VG56	Singapore R.	SNG	cw-cq	dmRU
8489	1653	AQP	Ny Karachi	PAK	cw-vvv	dmRU
8515	2002	5AT	Tripoli R.	LBY	cw-cq mkr	pcG
8521	0730	VIP	Perth R.	AUS	cw wx broadcast + cq	pcG
8522	0750	CBV	Valparaiso R.	CHL	cw v mkr	pcG
8551,5	2036	CTP	Ny Oeiras	POR	cw-vvv	dmRU
8559,5	2034	GKB	Portishead R.	G	cw-de	dmRU
8566	2149	ZSJ4	Ny Capetown	AFS	cw-cq mkr	pcG
8566	2013	ZSJ	Ny Capetown	AFS	cw-cq, vy weak	dmRU
8593	2001	UUI	Odessa R.	UKR	cw-tfc list, //12997+17108	dmRU
8607	0700	VIM	Melbourne R.	AUS	cw-v/cq mkr `vim/vit`	pcG
8631	1816	VTP	Ny ??	IND	cw-v mkr	pcG
8636	2130	HLW	Seoul R.	KOR	cw-cq mkr	pcG
8658	1821	ASK	Karachi R.	PAK	cw-vvv, qsx	pcG+dmRU
8678,8	2005	ZLO	Wellington?	NZL	cw `de zlo...`	pcG
8685	1653	IRM	Roma Medico R.	I	cw-vvv	dmRU
8688,5	1959	ZSC6	Capetown R	AFS	cw-cq mkr	pcG
8691	2000	XST	Qingdao R	CHN	cw-cq mkr	pcG
8806	0759	FFL41	St. Lys R.	F	FF id+melody marker	zeTC
12359	2127	VA4219	South Bound II	BER	wkg MV Lady Marien	ai47
12581	2230	LSD836	Argentina R.	ARG	cw-id+sitor A	nr76
12707	1521	9VG34	Singapore R.	SNG	cw-vvv	ti47
12710	0600	VWB	Bombay R.	IND	cw-cq, tfc list	ai47
12711	0010	HCG	Guayaquil R.	EQA	cw ctc PJUF	nr76
12727,5	1555	LGJ	Rogaland R.	NOR	cw-cq, tfc list	dmRU
12804	1400	YQI	Constanta R.	ROU	cw-cq tfc-list	ai47
12808,5	1547	VTG	Ny Bombay	IND	cw-vvv	dmRU
12831	1615	3BM	Port Louis R.	MAU	cw-cq+advising 500khz off	pcG
12844,5	1434	KFS	San Francisco R.	USA	cw-cq mkr	pcG
12856	1542	XSG	Shanghai R.	CHN	cw-cq	pcG+dmRU
12879,5	1416	WSC	Tuckerton R.	USA	cw-cq mkr	pcG
12910	1736	UAT	Moscow R.	RUS	cw-de uat qsx...	pcG
12942	1540	RKLM	Arkhangelsk R.	RUS	cw-clg 4LY, qsx	pcG+dmRU
12988	2207	LPD88	Gr1. Pacheco R.	ARG	cw-v mkr	pcG
13022	1950	SPE63	Szczecin R.	POL	cw-de spe...	pcG
13024,5	1346	ASK	Karachi R.	PAK	cw-v mkr asking for `apportunity` for better service!!	pcG
13042,5	1500	XVS	Ho-Chi-Minh-Ville R.	VTN	cw-cq, tfc list	ai47
13050	1314	UDK2	Murmansk R.	RUS	cw-wkg UPDL	dmRU
13055	1544	UTQ7	Kiev R.	UKR	cw-cq,qsx 341/12436/16639	dmRU
13055	0755	UTQ	Kiyev R.	UKR	cw-cq mkr	pcG
13076,7	0750	HZG	Damman R.	ARS	cw-de hzg qsx...	pcG
13077	1300	BVA	Taipei R.	TWN	usb- YL tfc list, wx in EE	lrG
13077	2032	NRV	USCG Guam (tent)	GUM	usb- OM wx	lrG
13089	2248	NMC	USCG San Francisco,CA	USA	usb- Pacific wx	lrG
16454,5	1334	SPW	Warsawa R.	POL	cw-marker	abNL
16699	1605	UFN	Novorossiysk R.	RUS	cw-id+sitor	zeTC

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16811	1502	CBV	Playa Ancha R.	CHL	cw-id+sitor	zeTC
16819,5	1652	NMN	USCG Chesapeake	USA	cw-id+sitor	zeTC
16826	1655	WLO	Mobile R.	USA	cw-id+sitor	zeTC
16868	1450	9VG48	Singapore R.	SNG	cw-id+sitor	zeTC
16942,5	1155	9AR	Rijeka R.	HRV	cw-vvv, tfc list	dmRU
17010	0745	TBO	Ny Izmir	TUR	cw-v mkr tbo3	pcG
17012,5	1515	5BA	Cyprus R.	CYP	cw-cq	ti47
17021,6	0730	TAH	Istanbul R.	TUR	cw-cq mkr	pcG
17045,6	1513	LPD46	General Pacheco R.	ARG	cw-vvv	ti47
17050,4	1600	ASK	Karachi R.	PAK	cw-v mkr //13024,5	pcG
17147	0845	URL	Sevastopol R.	UKR	cw-cq mkr	pcG
19693,5	1609	ZSC	Capetown r.	AFS	cw-id+sitor	zeTC
19697,5	1607	SPB71	Szczecin R.	POL	cw-id+sitor	zeTC
19698	1606	OST	Oostende R.	BEL	cw-id+sitor	zeTC
19726a	1610	A9M	Bahrain R.	BHR	cw-id+sitor	zeTC

D I G I T A L

2608	2251	FUO	Ny Toulon	F	BAUDOT 75 RY tape	abNL
2806	2312	IGJ41	Ny Augusta	I	BAUDOT 100 CARB	abNL
2815	2314	IGJ42	Ny Augusta	I	BAUDOT 100 CARB	abNL
2830	2100	SPB	Szcecin R.	POL	SITOR-B 100 Tfc list	abNL
2840,7	1920	DLGZ	mv BG21-Bredstedt	IW	SITOR-A 100 w/CG Cuxhaven	abNL
2845	2317	PBB	Ny Den Helder	HOL	BAUDOT 75 CARB	abNL
3196	2222		Prague Meteo	CZE	BAUDOT 50 Synops	abNL
3764	1435	PBB	Ny Den Helder	HOL	BAUDOT 75 CARB	abNL
4246	2058		Unid NATO station, prob. encrypted msgs after 16 RY`s	Royal Navy	BAUDOT 100 on-line and sync string VMGTCNJBH	abNL
4280	2127	PBC	Ny Goeree	HOL	BAUDOT 75 CARB	abNL
4295	2125	HWN	Ny Paris	F	BAUDOT 75 RY tape for FAAA (all/any French war ship(s))	abNL
4765,2	0720	RFFP	MOD Paris	F	ARQ-M2 200 to RFFUAFE etc	abNL
4993	0828	`12`	Irish Navy	IRL	SITOR-A 100 w/HQ Dublin	abNL
5164,5	0708		Prefecture Epinal	F	SITOR-A 100 Signing off	abNL
5185,5	1630	?	UNID? UK DCN	?	PICC/6 2ch idle/crypto	pcG
5315	2145	BJZ27	Wuhan METEO	CHN	ITA2/75/400 cont met msgs	pcG
5318	1200	RF---	UNID? FF	F	ARQE/72/200? idle + off	pcG
5399,2	2130	RFFP	Paris	F	ARQ342/200/400/2ch FDXA/FDXB to Sarajevo (was on 5397,7)	pcG
5457	0815	RF---	UNID? FF	F	ARQE/72/400 UAF `rffhcfa de Marseille`	pcG
5746	0745	RF---	UNID?? FF	F	ARQE/72/400 idle+off-nil	abNL
5752,5	1413	HBD20(?)	MFA Geneve (?, ed)	BEL?	SITOR-A 100 to var. Emb.	pcG
5757	1353	HBD20	MFA Berne	SUI	SITOR-A 100 to var. Emb.	abNL
5757	1610	HBD77	SUI Emb. Brussels	BEL	SITOR-A 100 to MFA Geneve	abNL
5832,4	1130	DD???	UNID? Met?	D	ITA2/50/170 GG p/l weather `dda41` + `f10` at s/off?	pcG
6348	1548	HWN	Ny Paris	F	BAUDOT 150 RY tape for FAAA (all/any French war ship(s))	abNL
6741,8	1400		Ny Tunis	TUN	SITOR/A FF msgs `carthage`	pcG
6835	2037	GFL22	Bracknell Meteo	G	BAUDOT 75 Synops	abNL
6962,9	0902		UNID?	?	3 ch all 192/170 cont crypp	pcG
7634	1550	P6Z	Paris MFA	F	FEC/A/192 long 5ltgp msg	pcG
7841,7	2155	RFTPA?	N`Djamena	TCD	ARQE/96/400 `zczckVF802 rffx de rftpa znr` msg new CID	pcG
9265,5	2225		UNID? UK DCN	?	PICC/? single ch idle	pcG
10215	2003	HZN48	Jeddah Meteo	ARS	BAUDOT 50 Synops	abNL
10340,5	2146		UNID?	?	ITA2/110/200 crypto then ending with line of rryryry	pcG
10364	2140	RFTJD	Libreville	GAB	ARQE/48/850 JDF to P.Bouet	pcG
10493,7	2130	RFTJF	FF Port Bouet	CTI	ARQE3/48/400 JFJ to C.Vert	pcG
10551,3	2006	GFL23	Bracknell Meteo	G	BAUDOT 75 Synops	abNL
10873,7	2125	RFVI	FF Le Port	REU	ARQE3/100/400 IREto Paris	pcG
10917,7	1920	RFTJ	FF Dakar	SEN	ARQE3/48/400 TJFto P.Bouet	pcG
10991,7	1910	RFFVAY	FF Sarajevo	BIH	ARQ342/200/400/2ch FKWA/FKWB to Paris - aftn msgs ch-B	pcG
11080	1705		SANA Damascus	SYR	ITA2/50/850 FF news +ryry	pcG

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12090,2	1930	RFTJ	FF Dakar	SEN	ARQE3/192/400	AFL to Paris	pcG
13042,5	1815	FUV	FF Djibouti	DJI	ITA2/75/850	ry/sg test	pcG
13031,2	2200	FUF	FF Ft. de France	MRT	ITA2/75/850	ry/sg test	pcG
14360	1421	?	UNID ?	?	75/200	cont	pcG
14462,6	2200	?	UNID AFTN ?	?	ARQ342/96/400/2ch	idlenil?	pcG
14473	0830	?	UNID ?	?	200/500	cont	pcG
14508	0840	?	UNID ?	?	75/250	cont+cw`qrj3 ok sk`	pcG
14815,6	1700	?	UNID ?	?	3-ch each ch 144/275	cont.	pcG
14940,5	1702	?	UNID ? UK DCN	?	PICC/?	single ch idle	pcG
16050	0855	-	Bucharest? MFA	ROU	ROU-FEC/164,5/500	crypto + cw qsl of msgs	pcG
15205,5	1410	?	UNID? DCN	?	PICC/?	single ch idle	pcG
16227,7	1030	RFFXI	FF Bangui	CAF	ARQE/96/400	XZI to Paris	pcG
16922	0936	RBSL	Ny Bombay	IND	RTTY 50	RY+SG tape	ai47
17020	0900	UDK2	Murmansk R.	RUS	ITA2/50/170	long msg+off	pcG
18040	1310	TCY4	AA Ankara	TUR	BAUDOT 50	Turkish news	abNL
18320,7	1400	RFTJ	FF Dakar	SEN	ARQE3/192/400	TJDto Librev	pcG
18388,6	1307	5AF	Tripoli Air	LBY	BAUDOT 50	HLLTYF RYRYRY	abNL
18879,5	1401	?	UNID? DCN	?	PICC/?	single ch idle	pcG
19145,7	1325	RFTJ	FF Dakar	SEN	ARQE3/192/400	AFL to Paris	pcG
19350	1320	?	Czech MFA?	?	ITA2/75/850	czech news?	pcG
19530,2	1016	FJY2	Kerguelen	KER	ARQE3/96/400	paris de kerje cloture.. a demain`	pcG
19692,5	1350	ZSC	Capetown R.	AFS	SITOR/A	Globewireless	wkg pcG

T I M E S I G N A L

5000	1859	ULA4	TS Tashkent	UZB	TS, cw-id	zeTC
?????	2142	WWV	NBS Fort Collins,CO	USA	TS, OM-id, pulses	lrG

Q S L - R E V I E W

ITU-Station	Days	rcvd/gvn	QRG	Callsign	Power	Name
ARG-Argentina R.	27	f/d ppc	12581	LSD838	1000 w	ai47
AUS-Darwin R.	32	ppc	8487	VID	1000 w	mo76
AUS-Townsville R.	42	f/d lt,vc`s	8452	VIT		nr76
AUS-Townsville R.	64	lt,ppc,vc`s	8452	VIT	700 w	mo76
CHL-Playa Ancha R.	32	f/d cd f/up	8677	CBV		lrG
COM-Moroni Aero	49	ppc	8879		6000 w	nr76
CZE-NDB Nora	24	ppc,i direct	534	`NR`	100 w	mo76
D -a/c Breguet Atlantic	82	lt,ppc,sti	5680	SAREX6111		mo76
D -GAF Landsberg	9	ppc,badge	5687	DHO23	1000 w	mo76
D -NDB Drewitz/Cottbus	10	ppc,vc/ms	355	`DRW`	50 w	zeTC
D -NDB Fassberg	25	ppc direct	284	`FSB`	65 w	mo76
D -NDB Karlsruhe	7	ppc	431	`KBA`		nr76
D -NDB Mendig	90	ppc	331	`NMN`		nr76
D -NDB Moenchenglbadach	55	lt,ppc,i	377	`MGB`	5(?) w	mo76
E -NDB Villanueva	35	lt,cd via c/a	380	`VNV`		nr76
EST-NDB Paernu	63	ppc,f/d lt via c/a	376	`R`		nr76
F -NDB Ajaccio	11	ppc	365	`RO`	30 w	mo76
F -NDB Marseille	14	ppc	395	`OB`		nr76
F -NDB Paris-Orly	597	ppc,NDB-list,lt	402	`ORW`	25 w	zeTC
FNL-NDB Halli/Janne	59	ppc via c/a	404	`JAN`		mo76
FNL-NDB Kuopio	59	ppc via c/a	387	`JL`		mo76
FNL-NDB Suinu	59	ppc via c/a	326	`SUI`		mo76
G -LDOC British Airways	23	f/d lt	10072		10000 w	lrG
G -MAFF Base London	35	lt,ppc	6647	`MAFF Base`		ai47
GRC-Diagoras Aero	49	ppc direct	5637	LGRP	200 w	mo76
GRD-LIAT Point Salines	27	ppc,vc f/up-hrd in	GDL5568			ai47
HKG-Cape d`Aguilar R.	24	f/d folder	16821	VRX		lrG
HNG-NDB Budapest	12	ppc via c/a	395	`BR`	100 w	mo76
HNG-NDB Budapest	25	ppc via c/a	329	`HA`	100 w	mo76
HNG-NDB Debrecen	73	ppc,sked	326	`C`	40 w	zeTC
HNG-NDB Pecs	14	ppc via Budapest	412	`PP`		nr76
HNG-NDB Pecs	25	ppc via c/a	412	`PP`	100 w	mo76
HNG-NDB Sagvar	12	ppc via c/a	348	`SVR`	100 w	mo76

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I -Napoli R.	4y5m	ppc	no f/up!!!	2182	IQH		nr76
I -NDB Alghero	70	ppc		337	AH		nr76
I -NDB Alghero	85	ppc	direct	337	AH		mo76
INS-Jakarta R.	34	f/d	lt	17139.7	PKX		lrG
IW -FGS Schleswig-Holstein	7	ppc,i		8335.5	DRAI	1000 w	mo76
IW -FGS Niedersachsen	49	ppc		4154.5	DRAR	1000 w	mo76
IW -FGS Nerz	52	ppc		3116	DRCH	100 w	mo76
IW -FGS Koblenz	7	ppc		5680	DREL	100 w	mo76
LTU-NDB Rokiskis	42	ppc		286	ROK		nr76
LTU-NDB Skaudvile	42	ppc		372	SKD		nr76
LTU-NDB Vilnius	42	ppc		385	AVN		nr76
LTU-NDB Vilnius	42	ppc		365	VIL		nr76
LVA-NDB Nida	28	ppc		315	ND		nr76
LVA-NDB Riga Skulte	7	ppc		434	A		nr76
LVA-Riga Rescue	18	lt		5680		600 w	mo76
NOR-NDB Asker	73	ppc	via c/a	352	OA	100 w	mo76
NOR-NDB Batvik	73	ppc	via c/a	362	BVK	100 w	mo76
NOR-NDB Bergerud	73	ppc	via c/a	316	BGU	100 w	mo76
NOR-NDB Bjornsund	16	ppc	via Kystverket	303.5	BJ	100 w	mo76
NOR-NDB Hoynes	73	ppc	via c/a	384	HNS	100 w	mo76
NOR-NDB Romskog	73	ppc	via c/a	363.5	RSK	100 w	mo76
NOR-NDB Solberg	73	ppc	via c/a	414	SLB	100 w	mo76
NOR-NDB Uthaug	73	ppc	via c/a	366	UTH	100 w	mo76
NOR-NDB Vaga	73	ppc	via c/a	275	VG	100 w	mo76
NOR-NDB Varhaug	73	ppc	via c/a	319	LEC	100 w	mo76
NOR-Sveio Beacon	21	cd		7870	LN2A	1000 w	mo76
NOR-Sveio Beacon	10	cd	IRC back	20945	LN2A		lrG
NZL-Taupo Maritime R.	21	lt,vc,i		8297	ZLM		nr76
NZL-Taupo Maritime R.	35	lt,ppc,vc,i		6224	ZLM	1000 w	mo76
POL-Gdynia R.	17	cd,lt,ppc		8427.5	SPA	10000 w	mo76
POL-NDB Darlowek	49	lt	via c/a	442	SC		nr76
POL-NDB Drawsko	49	lt	via c/a	316.5	GO		nr76
POL-NDB Gdansk/Rebiechowo	42	ppc	via c/a	383	S	40 w	mo76
POL-NDB Gora	42	ppc	via c/a	444	TMN	40 w	mo76
POL-NDB Hel	21	lt,ppc,i	via c/a	306.5	H	50 w	mo76
POL-NDB Inowroclaw	49	lt	via c/a	392	UK		nr76
POL-NDB Jablonka	42	ppc	via c/a	387	JAB	40 w	mo76
POL-NDB Krakow/Balice	42	ppc	via c/a	353	KRW	200 w	mo76
POL-NDB Leba	49	f/d	lt,fo s via c/a	307	LE		nr76
POL-NDB Lubin	42	ppc	via c/a	351	LUB	40 w	mo76
POL-NDB Lubin	42	ppc	via c/a	315	ZM	40 w	mo76
POL-NDB Mirosławiec	49	lt	via c/a	342	AL		nr76
POL-NDB Powidz	49	lt	via c/a	478	GA		nr76
POL-NDB Poznan-Lawica	49	lt	via c/a	511	EG		nr76
POL-NDB Rozewie	21	lt,ppc,i	via c/a	310.5	RO	50 w	mo76
POL-NDB Sochaczew	49	lt	via c/a	395	SJ		nr76
POL-Szczecin R.	40	ppc		2829.5	SPB	1000 w	mo76
ROU-NDB Bucharest/Otopeni	19	ppc	via c/a	267.5	OPW	250 w	mo76
ROU-NDB Deva/Saulesti	19	ppc	via c/a	393	DVA	250 w	mo76
ROU-NDB Tandarei	21	lt,ppc	via c/a	304	TND		nr76
ROU-NDB Tandarei	19	ppc	via c/a	304	TND	250 w	mo76
S -RSAF Rescue Heli	146	lt,ppc,fo,i		5680	G91	175 w	mo76
S -NDB Vidsef	18	lt,ppc,sti		336	JZ	100 w	mo76
S -NDB Sveg	61	ppc,sti,i	direct	368	OY	100 w	mo76
SUI-Berne R.	15	cd,sked,i		4378	HEB14		zeTC
SVK-NDB Bratislava	25	ppc	via c/a	438	B	100 w	mo76
SVK-NDB Kosice/Haniska	25	ppc	via c/a	385	K	100 w	mo76
SVK-NDB Sliac	25	ppc	via c/a	412	FS	100 w	mo76
SVK-NDB Sliac	15	lt,ppc	direct	412	FS	100 w	mo76
SVK-NDB Zilina	25	ppc	via c/a	404	ZLA	100 w	mo76
TWN-Taipei Meteo	23	cd/IRC	back	8117	BMB	10000 w	zeTC
USA-USCG Camslant	35	cd		5696	NMN		nr76

ppc=prepared card, lt=letter, i=information, fo=photo, sti=sticker, vc=viewcard,

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cd=card, irc=international reply coupon, ms=mint stamps, rp=return postage, sked=schedule, sase=self addressed and stamped envelope, sae=self addressed envelope, f=folder, f/d full detailed, USD=US Dollar, c/a=central address

Inquiries Department:

OM Ian Baxter (ibG) request help on his UNID`s. Anyone???

Addresses/Infos/Veri-signers:

Solved NDB UNID`s from former EUNL`s by mo76:

SH 394a	= Sochoj/RUS	396 kHz (EUNL 4-97)	
ZV 418a	= Tuzla/BIH	420 kHz (EUNL 4-97)	
JIS 423a/PIS425a	= Pisarovina-Zagreb/HRV	424 kHz (EUNL 4-97)	
AVN 385	= Vilnius/LTU	385 kHz (EUNL 6-97)	
FE 425.5	= Odendse-Beldringe/DNK	423 kHz (EUNL 6-97)	
PT 527a	= Ufa/RUS	527 kHz (EUNL 6-97)	
WM 1685a	= Vladimirets/UKR	1684 kHz (EUNL 6-97)	
SS 420a	= Malmo-Sturup/S	420 kHz (EUNL 6-97)	
DSA 350a =DS	= Dieppe-St. Aubin/F	351 kHz (EUNL 7-97)	
NTM 412a	= Nattenheim/D	413 kHz (EUNL 7-97)	
WM 421a	= Vladimirets/UKR	421 kHz (EUNL 7-97)	mny tnx!!!

NDB Strasbourg/STR on 389 kHz seems to be out of service. (mo76)

LTU NDB`s: Directorate of Civil Aviation Republic of Lithuania, Rodunes 2, Aeroport, LT- 2023 Vilnius (nr76)

NDB Marseille/OB: stamped as: L`I.P.E.E.A.C., Le Chef de la Division Technique SNA. v/s M. Poure (no ads given, but RR was sent to Marseille/Provence AP at Marignane (nr76)

NDB Karlsruhe/KBA: Baden Airport GmbH, Flughafen Karlsruhe/Baden Baden, D- 77838

Rheinmuenster (nr76)

NDB Alghero/AH: Ente Nazionale di Assistenza al volo, Centro Aeroportuale di Alghero, Alghero, I- 07040 Fertilia (nr76)

NDB Nida/ND: Klaipedos valstybinio jury uosto direkcija, Uosto kapitonas, J. Janonio 24, LT- 5813 Klaipeda v/s Mr. N. Severincik (nr76)

NDB Paris-Orly/ORW: Direction Generale de l`Aviation Civile, Service Technique de la Navigation Aerienne, 246, rue Lecoubre, F- 75732 Paris-Cedex 15 v/s= Luc Deneufchatel (L`Adjoint au Chef du Departement Radopcp,,imocatopms et Radopgiodage) (zeTC)

MAFF Base: Ministry of Agriculture, Fisheries and Food, Nobel House, 17 Smith Square, London SW1P 3JR v/s Michael P. Jones, Fisheries Operations Room (ai47)

Argentina Radio/LSD836: Espinosa 1045, 1405 Buenos Aires, Argentina (ai47)

LIAT Point Salines: c/o LIAT (1974) Ltd., HF Operations / Dispatch Office, Point

Salines Airport, Point Salines, GRENADA (West Indies) (ai47)

Some verisigners:

USCG Camslant/NMN: v/s = TCC T.F. Sherwood (nr76)

NDB Riga Skulte/A: v/s = V. Belevich, Latvian Air Navigation Service Enterprise

`LGS`, Technical Department Engineer (nr76)

Playa Ancha R.: v/s = Fernando Saver White, Capitan de Fraga Lt. (lrG)

Here is an info of all Globe wireless stations, which belong, or soon will be belong, to this network. I found this stuff on their web page.

To provide 24-hour coverage for ships on all the oceans of the world, Globe Wireless operates a network of HF coast radio stations called the Global Radio Network. The following stations are now, or soon will be, part of the network:

- Argentina Radio/LSD836 coming soon...
- Awanui Radio/ZLA (New Zealand)
- Bahrain Radio/A9M (Arabian Gulf)
- Barbados Radio/8PO coming soon...
- Cape Town Radio/ZSC (South Africa)
- Chatham Radio/WCC (East Coast, USA)

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- Götenberg Radio/SAB (Sweden)
- Guam Radio/KHF (Western Pacific) coming soon...
- Hawaii Radio/KEJ (Central Pacific Ocean)
- Palo Alto Radio/KFS (San Francisco)
- Perth Radio/VIP (Western Australia)
- Rogaland Radio/LFI coming soon...
- San Francisco Radio/KPH
- Slidell Radio/WNU (New Orleans)

Channel and Frequency List

The frequencies listed below are used by the various stations in the Global Radio Network for Radio Telex (SITOR) and Globe E-mail. Those with an entry in the ITU Chan # column are standard ITU Radio Telex (NBDP) channels (500 Hertz spacing). Most frequencies are on-the-air 24 hours a day - please listen for a free signal (repetitions) before calling.

ITU Channel	#Shore	Xmit Ship	Xmit Call sign
228	1620.5	2155.5	SAB
401	4210.5	4172.5	WNU
402	4211.0	4173.0	ZLA
403	4211.5	4173.5	KFS
406	4213.0	4175.0	VIP
408	4214.0	4176.0	ZSC
413	4216.0	4178.5	KPH
414	4216.5	4179	WCC
	4259.0	4166.5	SAB
	4300.4	4154.5	KEJ
	4347.0	4157.5	A9M
602	6315.0	6263.5	ZLA
603	6315.5	6264.0	KFS
613	6320.0	6269.0	KPH
617	6322.0	6271.0	ZSC
621	6324.0	6273.0	WCC
625	6326.0	6275.0	KEJ
626	6326.5	6275.5	SAB
627	6327.0	6281.0	WNU
632	6329.5	6283.5	VCT
802	8417.0	8377.0	ZLA
803	8417.5	8377.5	KFS
806	8419.0	8379.0	VIP
813	8422.5	8382.5	KPH
816	8424.0	8384.0	WCC
819	8425.5	8385.5	WNU
821	8426.5	8386.5	WCC
822	8427.0	8387.0	KPH
830	8431.0	8391.0	KEJ
831	8431.5	8391.5	ZSC
837	8434.5	8394.5	SAB
838	8435.0	8395.0	VCT
	8541.0	8305.5	A9M
1202	12580.0	12477.5	ZLA
1203	12580.5	12478.0	KFS
1206	12582.0	12479.5	VIP
1210	12584.0	12481.5	VIP
1213	12585.5	12483.0	KPH
1219	12588.5	12486.0	WNU
1221	12589.5	12487.0	WCC
1238	12598.0	12495.5	WCC
1242	12600.0	12497.5	KPH
1244	12601.0	12498.5	ZSC
1247	12602.5	12500.0	KFS
1257	12607.5	12505.0	WNU
1263	12610.5	12508.0	VCT
1265	12611.5	12509.0	KEJ
1291	12624.0	12522.0	SAB
	12668.0	12373.5	A9M
1602	16807.5	16684.0	ZLA

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1606	16809.5	16686.0	VIP
1619	16816.0	16692.5	ZSC
1621	16817.0	16693.5	WCC
1622	16817.5	16694.0	KPH
1647	16829.5	16706.5	KFS
1657	16834.5	16711.5	WNU
1673	16842.5	16719.5	KEJ
1676	16844.0	16721.0	VCT
1691	16851.5	16728.5	SAB
	17066.5	16554.5	A9M
1824	19692.5	18882.0	ZSC
	19726.0	18850.5	A9M
2203	22377.5	22285.5	KFS
2228	22395.0	22303.0	KPH

Call	Station Location	Hour	Time
KPH	San Francisco, California, USA	Odd	H +00
VCT	St. Johns, Newfoundland, CAN	Odd	H +05
KEJ	Hawaiian Islands, Pacific Ocean	Even	H +15
KFS	San Francisco, California, USA	Odd	H +25
ZSC	Cape Town, South Africa	Even	H +25
A9M	Bahrain, Arabian Gulf	Odd	H +35
SAB	Gothenburg, Sweden	Even	H +35
WCC	East Coast, USA	Even	H +40
ZLA	Awanui, New Zealand	Odd	H +45
VIP	Perth, western Australia	Even	H +45
WNU	Slidell(New Orleans), Louisiana, USA	Even	H +55

(The Global web page was last modified at 12th September 1997)

Thanks for the nice and able work to the following (10) EUNLers: dmRU, abNL, nr76, mo76, lrg, pcG, zeTC, ti18 (=ti47 in Rostock), ibG, ai47

gd dx + 73`s

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EUROPEAN UTILITY NEWSLETTER 11-97

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* Editor:      Andreas Ibold, Mittelstr. 10, D-47441 Moers, GERMANY
* Tel.:       (49) 02841 / 178529 ***** e-mail: aibold@aol.com
* Home page:  http://members.aol.com/aibold/EUNL.htm
* Logs:       http://members.aol.com/aibold/logs.htm
* Treasurer:  Norbert Reiner
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* foreign currency - no cheques please!!)
*
* Deadline: 20th of the month!!!
*
*****

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Hi everybody,  
 nice to meet you. It`s getting cold outside and it seems that the summer is gone. Just the right time to sit behind your radio and get some exotic logs for EUNL....

N D B

268 1137 F UNID ? 5 times F, then 3sec pausedmRU  
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287	1858	WG	UNID	?	id	dmRU
288,5	2052	FI	Cabo Finisterre Lt.	E	id+tone	aiPO
290,5	2044	VI	Cabo Vilano Lt.	E	id	aiPO
295,5	2326	JA	Jaroslawiece Lt.	POL	id+dash	rk50
296	2258	MG	Ljubljana	SVN	id	zeTC
297,5	2103	PS	Cabo Penas Lt.	E	id+tone	aiPO
298	2105	BJZ	Badajoz	E	id	aiPO
300	1125	TI	Cap d'Antifer Lt.	POR	id+tone	aiPO
300a	1608	TVS	UNID	?	id+tone	aiPO
302	2033	KA	Kornik	POL	id	zeTC
303	2104	D	Rota	E	id+tone	aiPO
303,5	2246	GR	Gedser Rev Lt.	DNK	id+tone	zeTC
306,5	2250	H	Hel Lt.	POL	id+tone	rk50+zeTC
306,5	2251	RS	Ristna Lt.	EST	id+tone	zeTC
306a	2203	TUI	UNID	?	id+tone	aiPO
307	2251	SIA	Siauliai	LTU	id	zeTC
308	1038	PI	Capo Espichel Lt.	POR	id+tone	aiPO
308a	1624	GN	Griz Nez?	F	id+tone	aiPO
309	2042	MW	Berlin-Blankenfelde	D	id	zeTC
310	1955	AMN	Almeria	E	id	aiPO
310,5	2032	SG	Sjaellands Rev Lt.	DNK	id+tone	zeTC
313	2102	PA	Cabo de Palos Lt.	E	id+tone	aiPO
318	2210	MAD	Madeira	MDR	id	aiPO
318	2040	LE	Luxembourg	LUX	id	zeTC
318	2155	HAM	UNID	?	id constantly w/out pauses	dmRU
320	2320	SA	Timisoara-Giarmata	ROU	id	zeTC
322	0648	MIO	Montijo AB	POR	id	aiPO
322	2226	OU	Stockholm	S	id	zeTC
323	2041	AT	UNID	?	id (6x = 1 min)	dmRU
324	2044	ON	Norrkoeping	S	id	zeTC
325	2051	KAU	Kaunas-Karmelava	LTU	id	zeTC
327	2005	POR	Porto	POR	id	aiPO
332	1115	FAR	Faro	POR	id	aiPO
333	0944	VO	Vodochody	CZE	id (morning only)	zeTC
334	2213	MR	Maribor	SVN	id+tone	zeTC
334	2314	FAU	Fauna	DNK	id	zeTC
336,5	2051	NIK	Nicky (St. Niklas)	BEL	id+tone	zeTC
338	2218	PST	Porto Santo	MDR	id	aiPO
340	2215	N	Ronneby	S	id	zeTC
343	2233	KUS	Kaunas	LTU	id	zeTC
345	2318	BN	Birkeland	NOR	id	zeTC
348,5	2220	LG	Liege-Bierset	BEL	id	zeTC
349	2316	JX	Vaxjo/Kronoberg	S	id	zeTC
350	2141	NZ	UNID	?	id (1x = 1 min)	dmRU
351	2319	OV	Salthamn/Visby	S	id	zeTC
352	2128	PK	UNID	?	id	dmRU
354	2133	ARB	UNID	?	id	dmRU
357,5	2052	FAL	Ancona-Falconara	I	id	zeTC
359	2055	CA	Cascais	POR	id	aiPO
359	2054	LK	Lidkoeping	S	id	zeTC
360	2147	OS	Goeteburg-Saeve	S	id	zeTC
360,5	2332	MAK	Mackel	BEL	id+tone	zeTC
361	2326	LIE	Lieto	FNL	id	zeTC
361	2149	RO	Kouhava	FNL	id	zeTC
363,5	2057	BRD	Brindisi	I	id	zeTC
363,5	2119	ERL	Erlangen	D	id+tone	zeTC
364	1111	LGS	Lagos	POR	id	aiPO
365	2114	VIL	Vilnius	LTU	id	zeTC
366	2330	KM	Kalmar	S	id	zeTC
366,5	2117	BER	Bern-Belpe	SUI	id	zeTC
368,5	2332	ELU	Luxembourg	LUX	id	zeTC
370	2120	OHT	Stockholm-Arlanda	S	id	zeTC
371	2046	STR	Sintra AB	POR	id	aiPO
372	2201	NDG	Nordlingen	D	id	zeTC
373	2130	KEM	Kemi	FNL	id	zeTC
375	2128	CHO	Chociwel	POL	id	zeTC
375	2132	KD	Kristianstad	S	id	zeTC
376,5	2334	ORI	Bergamo-Orio al serio	I	id	zeTC

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380	2337	LF	Ronneby	S	id	zeTC
381	2135	AB	Akraberg	FAR	id	zeTC
382	1107	LAR	Arruda	POR	id	aiPO
383	2341	ERK	Erken	S	id	zeTC
384	2015	NDR	Nador	MRC	id	aiPO
385	2342	KV	Halli	FNL	id	zeTC
385,5	2306	KIL	Kiel	D	id+ 2dashes	rk50
387	2210	VDL	Vardal	NOR	id	zeTC
387	2204	CEV	Cervia	I	id	zeTC
388	2158	BR	Lyon/Bron-Valencin	F	id+tone	zeTC
389	1102	CP	Caparica	POR	id	aiPO
389	2244	RK	Truku	FNL	id	zeTC
390	2300	JEV	Jever	D	id+dash	rk50
390	2213	LV	Arvika	S	id	zeTC
390	2356	FLR	Floresti	ROU	id	zeTC
390	2240	SAG	Sajohidveg	HNG	id	zeTC
390	2247	ITR	Istres/Le Tube	F	id+tone	zeTC
392,5	2258	TOP	Torino-Casale	I	id	zeTC
394	1659	SUW	Suwalki	POL	id	zeTC
395	1705	BR	Budapest-Ferihegy	HNG	id	zeTC
395	1715	SJ	Sochaczew	POL	id (1717 s/off)	zeTC
396	2151	YG	Rygge/Enge	NOR	id	zeTC
397	2216	NF	Falkoeping	S	id	zeTC
399	1922	WBD	wiesbaden	D	id	zeTC
399	2221	FM	Trollhaetan	S	id	zeTC
400	2136	EN	Oerebroe	S	id	zeTC
400	2320	KO	Utti	FNL	id	zeTC
401	2050	LO	Lisboa	POR	id	aiPO
401,5	2138	BET	Rheine-Bentlage	D	id	zeTC
403	2226	LPS	Les Eplatures	SUI	id	zeTC
404	2220	LW	Luxembourg	LUX	id	zeTC
406	2231	MO	Mogilev-Podolski	UKR	id	zeTC
406,5	1938	BOT	Bottrop	D	id	zeTC
412	2114	GRA	Granada	E	id	aiPO
415	2227	RTB	Rothenbach/Nuernberg	D	id	zeTC
417	2010	ACD	Alcobendas	E	id	aiPO
418	2158	BLN	Bailen	E	id	aiPO
418	2201	GRE	Grebbestad	S	id	zeTC
418	2105	L	Tallinn-Ulemiste	EST	id	zeTC
419	0015	RD	Vaeseraas-Haaslo	S	id	zeTC
420	2011	SPP	Sevilla	E	id	aiPO
421	2140	GE	Madrid-Getafe	E	id	aiPO
425	2118	ORU	Orust	S	id	zeTC
428	2150	MNF	Sevilla/Moron	E	id	aiPO
429	1837	LOS	Losinj	HRV	id+tone	zeTC
429	1814	GBL	Giebelstadt	D	id	zeTC
430	0058	BUG	Bugac	HNG	id	zeTC
433	2155	JRZ	Jerez	E	id	aiPO
434	2034	THN	Thorn	HOL	id	zeTC
440	1843	PIA	Piacenza	I	id	zeTC
452	2004	GP	Obukhovo-Grodno	BLR	id	zeTC
460a	2007	VI	UNID	?	id (14x = 1 min)	zeTC
475	1838	P	UNID	?	id (21x =1 min)	zeTC
508	2018	Z	Zilina-Hlinik	SVK	id	zeTC
511	1714	EG	Poznan-Lawica	POL	id	zeTC
517	0016	ARD	Arad	ROU	id	zeTC
520	1139	F	UNID	?	the same pattern as on 268	dmRU
523,5	1012	LK	Letiste Kolin	CZE	id	zeTC
525	2031	M	Mostkowo	POL	id	zeTC
537	0048	R	Russe	BUL	id	zeTC
617	2320	SV	Steblev	UKR	id	zeTC
635	2218	KO	UNID	?	id	zeTC
640	2220	AO	Riga	LVA	id	zeTC
669	1645	L	Karlova Vary-Vrata	CZE	id	zeTC
670	1954	LB	Liubimovka	UKR	id	zeTC
690	1716	SR	Serende	UKR	id	zeTC
713	1818	PT	Pitch	BLR	id	zeTC
713	1149	DO	UNID	?	id (4x = 1 min)(local tx!)	dmRU

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718	1723	SL	Soloveyevka	UKR	id	zeTC
732	1722	KP	Kamenec Podolski	UKR	id	zeTC
733	1843	V	Kiev-Julyany	UKR	id	zeTC
840	2112	KR	Kaliningrad	KAL	id	zeTC
955	2248	ZD	Divin	BLR	id	zeTC
965	1329	AA	UNID	?	id (4x = 1 min)	dmRU
985	1820	CP	Brest	BLR	id	zeTC
1060	2357	NE	Nemirov	UKR	id	zeTC
1155	2302	LS	Krasniy Luch	UKR	id	zeTC
1290	2350	TU	Beliy	RUS	id	zeTC

(aiPO was yours truly in Lagos/Portugal)

## F I X E D

3150	2130		Mossad	ISR	USB PCD 1 broadcast	abNL
3270	2130		Mossad	ISR	USB KPA broadcast, 5LG's	abNL
3417	2200		Mossad	ISR	USB ART 2 broadcast	abNL
3825	2130		Swedish Rhapsody	?	USB Music box 10-count	
					Id 21922. 5FG's	abNL
3840	2130		Mossad	ISR	USB YHF 2 broadcast	abNL
3886,5	0702	AEM1MP	MARS Unid	D	wkg AEM1JQ LSB	ai47
3886,5	0702	AEM1JQ	MARS Unid	D	wkg AEM1MP LSB	ai47
4040	1843		Unid Russian mil	RUS	USB C/s+10-count (tape)	abNL
4165	2145		Mossad	ISR	USB SYN 2 broadcast	abNL
4270	2200		Mossad	ISR	USB PCD 1 broadcast	abNL
4447	1910		U8R Unid tracking net		Probably Dutch navy ? USB	
					Stations 7SB, 4IW, Z1K, D5K, D9I, U8R	abNL
4463	2200		Mossad	ISR	USB FTJ broadcast, 5LG's	abNL
4471	1920	WP	Unid	?	cw 5LG's in Cyrillic. Ends	
			with MD58 WP then		transmits DZNY de WP for 15 mins. very strong signal.	abNL
4547,9	2250	P	Ny Kaliningrad	KAL	cw-marker	abNL
4780	2140		Mossad	ISR	USB KPA broadcast	abNL
4790,5	1552	FDE14	AF Contrexeville	F	cw-vvv	pt53
5091	2000		Mossad	ISR	USB JSR broadcast	abNL
5124	1305		UNID	?	cw 5 fig gps	pcG
5193	1230		UNID	?	cw cont 5 letter gps	pcG
5205	1219		Blackhat (RAF 352nd SOG Mildenhall)	G	USB w/Shadow 25.	
					Shadow has a msg for 67th Ops Squad	abNL
5206	1128		Dutch navy exercise	G	USB Control w/KA,KM,KG,KK	abNL
5340	2320		Swedish Rhapsody	?	USB 10 mins pip, music box,	
					10-count, id 35362, 5FG's	abNL
5342	1301	FDY	AF Orleans F	F	cw-vvv mkr	abNL+pcG
5414,2	1855		UNID Belg. Mil	BEL	cw went to cw `as as zbi..`	pcG
5701	1026	FDE14	AF Contrexeville	F	cw-vvv tape	abNL
5723,5	1625	FDG	AF Bordeaux	F	cw-vvv mkr	pcG
5737,5	1600	FDE14	AF Contrexeville	F	cw-vvv mkr	pcG
5746	2125		Lincolnshire Poacher	CYP	USB 5FG's	abNL
5748	0005		Swedish Rhapsody	?	USB 5FG's.I missed the id	abNL
5812,5	1100	FDI8	AF Nice	F	cw-vvv mkr	pcG
5896	1255	FDE14	AF Contrexeville	F	cw-vvv mkr	pcG
6779	1826		Unid ?	?	cw 5FG's sent twice. Ends	
					with =87 42 42 000. short zero's	abNL
6871	1412	HEP7	Kantonspolizei Geneve	SUI	cw marker	abNL
6900	2000	MI6	Lincolnshire Poacher	CYP	USB Id 69381 + 5LG's	abNL
6992,5	0910	MFP34	RNY Sea Cadet Corps	G	cw clg general call MFP99	abNL
6992,5	1853	MFJ22	RNY Sea Cadet Corps	G	USB Stns MFJ22,MFM38,MFP34	abNL
8320	2302	UNID		?	cw 5454 = 5454(Zahlen-tx?)	pt53
10470,5	1923	FDC	AF Metz	F	cw-vvv	pt53

## A E R O

3414	2206		Shannon Volmet	IRL	USB	abNL
4645	2225		Tallinn Volmet	EST	USB,E,Volmet+localQRGs	abNL
5505	2206		Shannon Volmet	IRL	wx Heathrow, Amsterdam	dmRU
5517	2257		Cairo Aero	EGY	wkg Springbok 642	pt53
5517	2258		Khartoum Aero	SDN	wkg MLK	pt53
5517	2250		Tripolis Aero	LBY	wkg Id, wkg Cairo	pt53
5517	2253		Asmara Aero	ERI	wkg Khartoum	pt53

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5517	2314	Addis Abeba Aero	ETH	wkg	Nairobi	pt53
5532	2043	Prague LDOC	CZE	USB	w/7ET in EE+var other	abNL
5538	2245	Bahrein Aero	BHR	wkg	UNID	pt53
5616	2245	Gander Aero	CAN	wkg	CMGK	pt53
5649	2050	Shanwick Aero	IRL	wkg	British Airways	pt53
5680	1608	Rescue 122	G	wkg	tfc, ID	pt53
5687	1005	DHO23 GAF Landsberg	D	r/c	DHM91	ai47
5685	1036	CWL55 RAF a/c CWL55	AIR	USB	w/RAF Finningley	abNL
(really Finningley? I know it's now Cranwell. They moved some years ago, ed)						
5687	1028	GAF426 GAF 426 a/c	AIR	USB	w/GAF Munster eta LEPA	abNL
5687	1005	DHM91 GAF Muenster	D	r/c	DHO23	ai47
5687	1006	DHO32 GAF Wunstorf	D	r/c	DHO23	ai47
5687	0629	DHO60 GAF Hohn	D	wkg	DHO32	ai47
5687	0847	NI81 GAF Piacenza	I	wkg	GAF 578	ai47
5687	0811	`50-49` Transall C-160D LTG-63	D	wkg	DHM91	ai47
LTG-63 = Lufttransportgeschwader 63 in Hohn						
5687	0801	`50-81` Transall C-160D LTG-62	D	wkg	DHM91	ai47
LTG-62 = Lufttransportgeschwader 62 in Wunstorf						
6550	1205	Coastguard 1	AIR	USB	w/CG Center (Dutch CG)	abNL
6550	1342	Neth. CG Centre IJmuiden	HOL	USB	w/CG vessel Zeevalk/PBWW	re oil pollution abNL
6604	2328	Gander Aero	CAN	wkg, mv, Volmet, ID		pt53
6637	2319	Miami Radio	USA	wkg	UNID	pt53
6730	0030	1FV Unid, Spanish mil?	?	USB	w/C21 and C24.	
`Charlie Dos Uno aqui Uno Foxtrot Victor control control cambio`.						
changed freq to B1 at 0040 UTC. Sounded professional, not like pirates.						
6745	0000	Trenton military	CAN	USB	wx broadcast	abNL
8837	1930	El Al	ISR	wkg	hebr., tfc	pt53
8879	1902	Gander Aero	CAN	wkg	Olympic 413	pt53
11175	1624	XPH5 USAF Thule	GRL	wkg	Navy 50496 QSY 11244	ai47
11244	1624	XPH5 USAF Thule	GRL	wkg	Navy 50496	ai47
13282	1050	Auckland Volmet	NZL	wkg	Volmet	pt53
20945	1159	8BY UNID	?	cw-mkr	(tent)	lrG

## M A R I T I M E

1609,5	2140	LGB Rogaland R.	NOR	cw	marker	abNL
1610	2140	SPA Gdynia R.	POL	cw	marker	abNL
1611,5	2141	LGB Rogaland R.	NOR	cw	marker	abNL
1613	2144	OXZ Lyngby R.	DNK	cw	marker	abNL
1619,5	2148	PCH Scheveningen R.	HOL	cw	marker	abNL
1692	1736	FFB Bologne-sur-Mer R.	F	USB	F, nav. warnings	abNL+pt53
1695	2237	CROSS Med	F	SSB, F	OM wx	lrG
1698	0335	EAR La Coruna R.	E	USB, E,	tfc-list	pt53
1704	2037	OXZ Lyngby R.	DNK	USB, E,	dän. naut.warn. ID	pt53
1710	0035	SDJ Stockholm R.	S	cw	sdj, USB, E, gale-warn.	pt53
1713	2152	PCH Scheveningen R.	HOL	USB	Nav. wngs	abNL
1728	2143	LGN Bergen R.	NOR	USB, E	norw., nav. warning	pt53
1734	2153	OXZ Lyngby R.	DNK	USB	wx	abNL
1758	2145	OXJ Thorshavn R.	DNK	USB	Nav. wngs	abNL
1758	2150	OXZ Lyngby R.	DNK	USB	Nav. wngs	abNL
1764	2035	EAF Finisterre R.	E	USB, E/Sp.	nav. warnings	pt53
1785	2140	LGZ Farsund R.	NOR	USB	Phone patch	abNL
1785	2047	LGZ Farsund R.	NOR	USB, E/Norw.	nav. warnings	pt53
1797	1935	SDJ Stockholm R.	S	USB, E	Schw., nav. warn.	pt53
1869	2138	GKZ Humber R.	G	USB	Nav. wngs	pt53+abNL
1876	2208	FFU Brest R.	F	USB	Phone patch	abNL
1876	2204	TFA Reykjavik R.	ISL	USB	Phone patch	abNL
1883	1908	Portpatrick R.	G	USB, E	wx	pt53
2182	????	mv Alexander v.Hamburg	IW	wkg	Brest ask for res.heli	lrG
2182	0134	CROSS-Med	F	SSB, F	YL QSY 1695	lrG
2182	0048	TKM Grasse R.	F	SSB, OM	clg mv D.Casablana	lrG
2182	0333	Turku R. (new?, ed)	FNL	SSB, E	OM QSY wx	lrG
2182	0138	VOK Labrador R.	CAN	SSB,	OM tfc	lrG
2182	0153	Fundy CG	CAN	OM	QSY 2749	lrG
2182	0037	ZBM Bermuda Harbour R.	BER	SSB, OM	vy weak	lrG
2182	2149	Pentland CG	G	SSB,	pan alert	lrG
2182	2255	CGBS UNID vessel	IW	SSB,	wkg St. John`s CG	lrG

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2182	2008	7TB	Annaba R.	ALG	USB, mv, F, ID	pt53
2182	1834	OSU	Oostende R.	BEL	USB,E QSY	pt53
2182	2009	LZW	Varna R.	BUL	USB,E wkg. QRG 3740,	pt53
2182	0335	EAL	Las Palmas R.	CNR	USB,E/Sp, nav. warning!	pt53
2182	1704	OXZ	Lyingby R.	DNK	USB,E QSY 1734, 1704	pt53
2182	1734		Cabo de Gata R.	E	USB,E/S QSY	pt53
2182	0334		Chipiona R.	E	USB,E IDs, QSY	pt53
2182	0334	EAL	Tarifa R.	E	USB,E/Sp QSY	pt53
2182	0335	EAR	La Coruna R.	E	USB,E/S, ID, QSY	pt53
2182	1704	EAO	Palma R.	E	USB,E/S QSY	pt53
2182	1935		Machichaco R.	E	USB,E/S QSY 1707	pt53
2182	1704	FFB	Bologne-sur-Mer R.	F	USB,F/E QSY	pt53
2182	2003	FFU	Brest-le-Conquet R.	F	USB,F, QSY	pt53
2182	1936		CROSS Metz?	F	USB,F, QSY	pt53
2182	1835		CROSS Corsen	F	USB,F, fv, QSY	pt53
2182	1820		Aberdeen CG	G	USB,E wkg. QRG	pt53
2182	1836	GCC	Cullercoats R.	G	USB,E QSY	pt53
2182	1836	GKR	Wick R.	G	USB,E ID, QSY	pt53
2182	1733	GKZ	Humber R.	G	USB,E QSY 1869	pt53
2182	1804	GPK	Portpatrick R.	G	USB,E QSY	pt53
2182	1940		Stornoway CG	G	USB,E Mayday-Relay	pt53
2182	1833		CG Ijmuiden	HOL	USB,E QSY 1713, 1890	pt53
2182	2136	IDC	Cagliari R.	I	USB,E/I QSY	pt53
2182	2038	IDF	Messina R.	I	USB,E/I QSY (+ Augusta R.)	pt53
2182	1836	IAR	Rom R.	I	USB,E/I, QSY 1888	pt53
2182	0338	IPB	Bari R.	I	E/I, QSY	pt53
2182	0338	IPC	Crotone R.	I	USB,I, QSY	pt53
2182	1945	IPP	Palermo R.	I	USB,E/I, QSY	pt53
2182	2137	IQX	Trieste R.	I	USB,E/I, QSY	pt53
2182	2206	EJM	Malin Head R.	IRL	USB,E tfc	pt53
2182	1909	ORJH	belg. Marineschiff	IW	USB,nl, clg. Oostende	pt53
2182	1950	9HD	Malta R.	MLT	USB,E clg. 9HX4	pt53
2182	1735	LGN	Bergen R.	NOR	USB,E fv, no tfc on hand	pt53
2182	2004	LGQ	Rogaland R.	NOR	USB,E/norw. QSY	pt53
2182	1734	LGZ	Farsund R.	NOR	USB,E/Norw. QSY 1785	pt53
2182	1934	SPH	Gdynia R.	POL	E/POL, ID, QSY 1692	pt53
2182	2006	SPN	Witowo R.	POL	E/POL, ID, QSY	pt53
2182	1935	SDJ	Stockholm R.	S	USB,E QSY	pt53
2182	2209	SAE	Tingstäde R.	S	USB,E fv, QSY	pt53
2182	1808	TAH	Istanbul R.	TUR	USB,Türk., ID	pt53
2357,5	2210	OVK	Ny Aarhus	DNK	cw NAWS DE OVK	abNL
2366	0014	PDFH	MV Bothniaborg	IW	USB w/unid vessel	abNL
2386	2200		German Ny tracking net	G	USBc/s 2XC,6VA,OE6,C8V,D6VabNL	
2390	2218	PHWD	MV Tharsis	IW	USB clg mv Ladon+mv AlissaabNL	
2390	0003	PEPT	MV Heemskerck	IW	USB w/mv Osiris	abNL
2390	1707	Meandra	(???, can't find it anywhere)	IW	USB w/mv Obelia (???) and mv Millefora (???) also unknown	abNL
2390	0002	PFYD	MV Mercator	IW	USB clg mv Heerenstraat	abNL
2390	0005	PIFP	MV Verona	IW	USB clg mv Arrow	abNL
2390	0011	PIDI	MV Valiant	IW	USB clg mv Arrow	abNL
2390	0012	PDLV	MV Cornelia	IW	USB w/unid vessel	abNL
2390	0014	PGWI	MV Protron	IW	USB w/unid vessel	abNL
2390	0054	PDXL	MV Empire	IW	USB w/mv Marianne	abNL
2390	0019		MV Heerenstraat	IW	USB clg mv Maria	abNL
2390	0020	PHVW	MV Sturgeon	IW	USB clg mv Vega	abNL
2390	0023	PCQV	MV Anne-S	IW	USB w/mv Roelof	abNL
2390	0025	PGMB	MV Olga	IW	USB w/unid vessel	abNL
2390	0034	PIHW	MV Vlieland	IW	USB w/unid vessel	abNL
2390	0058	PCBJ	MV Arion	IW	USB w/mv Keizersborg	abNL
2390	0102	PCSX	MV Aquarius	IW	USB w/mv Empire	abNL
2410	0109	PFWG	MV Mariner	IW	USB w/mv Empire	abNL
2520	0008	PEOD	MV Heerengracht	IW	USB w/Scheveningen R.	abNL
2520	0011	PEED	Oilrig L13FD	IW	USB w/Scheveningen R.	abNL
2520	0018	PEFA	MV Gaastborg	IW	USB w/Scheveningen R.	abNL
2520	2210	PCH	Scheveningen R.	IW	USB anns. gale warn. on PCH's MW freqs	abNL
2520	2314	PIDI	MV Valiant	IW	USB w/Scheveningen R.	abNL

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2520	2318	PEGD	MV Gelre	IW	USB w/Scheveningen R.	abNL
2520	2325	PECN	MV Flevo	IW	USB w/Scheveningen R.	abNL
2520	2336	PFRL	MV Maasborg	IW	USB w/Scheveningen R.	abNL
2520	2339	PFXO	MV Menna	IW	USB w/Scheveningen R.	abNL
2520	0933		MV Balt Protector	IW	USB w/Scheveningen R.	abNL
2520	1632	DMED	MV Hendrika Maria	IW	USB w/Scheveningen R.	abNL
2520	1659	DMHJ	MV Albatros	IW	USB w/Scheveningen R.	abNL
2520	2103	V2RM	Unid vessel	IW	USB w/Scheveningen R.	abNL
2520	2335	PIBB	MV Triton	IW	USB w/Scheveningen R.	abNL
2520	2350	PDXY	MV Eemsborg	IW	USB w/Scheveningen R.	abNL
2520	2353	PFUG	MV Marja	IW	USB w/Scheveningen R.	abNL
2596	1822		Aberdeen CG	G	USB,E tfc	pt53
2624	1738	IQX	Trieste R.	I	USB,I, wx, ID	pt53
2643	2224	A9M	Bahrain R.	BHR	cw mMarker	abNL
2643,5	2218	SPS	Witowo R.	POL	cw-de SPS/TOR	abNL
2649	1907	4XO	Haifa R.	ISR	USB,E ID, tfc	pt53
2656	1940	IPA	Ancona R.	I	USB,I/E wx	pt53
2670	0350		USCG Mayport,FL (tent)	USA	SSB, OM wx poor mod.	lrG
2670	1937	GLD	Land's End R.	G	USB,E wx	pt53
2691	1834	GND	Stonehaven R.	G	USB,E nav. warnings, ID	pt53
2727	1728	DAN	Norddeich R.	D	cw-id + sitor	dmRU
2761	1834	OSU	Oostende R.	BEL	USB,E nav. warnings	pt53
2789	1910	SAA	Karlskrona R.	S	USB,E gale warning	pt53
2829,5	1916	SPB28	Szczecin R.	POL	cw-spb + SITOR	pt53
4064	1914	TBO	Ny Izmir	TUR	cw-vvv de TBO T23C	abNL
4143	0024	PHCX	MV Roelof	INT	USB w/mv Elisabeth-S	abNL
4210,5	2214	ESA	Tallinn R.	EST	cw-de esa + SITOR	pt53
4210,5	2347	IAR	Rome R.	I	cw-iar + SITOR	pt53
4211	2348	OXZ	Lyngby R.	DNK	cw-oxz + SITOR	pt53
4211,5	2349	USU	Mariupul R.	UKR	cw-usu + SITOR	pt53
4212,5	2350	FFT21	Saint Lys R.	F	cw-fft + SITOR	pt53
4218,5	2351	LZW	Varna R.	BUL	cw-de lzw + SITOR	pt53
4219	2352	TAH	Istanbul R.	TUR	cw-tah + SITOR	pt53
4231	2355	A7D	Doha R.	QAT	cw-de a7d	pt53
4235	2358	IAR	Rom R.	I	cw-vvv de iar	pt53
4245	0000	UFN	Novorrossisk R.	RUS	cw-de ufn qsx	pt53
4294	2018	SXA34	Ny Spata Attikis	GRC	cw-vvv	dmRU
6379	2245	4XZ	Ny Haifa	ISR	cw-vvv only	pt53
6386,5	2118	ZSJ3	Ny Capetown	AFS	cw-cq qsx	pt53
6478,7	2306	SVA7	Athens R.	GRC	cw-de SVA7 marker	abNL
8297	0437	AAEB	USAV Chickasaw Bayou	IW	clg AAC2	ai47
8421	2345	OXZ	Lyngby R.	DNK	cw-oxz + SITOR	pt53
8431	1808	TAH	Istanbul R.	TUR	cw-tah + SITOR	pt53
8447	2129	L2C	Prefectura Naval B.A.	ARG	cw-msgs, ID	pt53
8452	2119	VIT	Townsville R.	AUS	cw-vvv cq de vim vit qsx	pt53
8457	2212	OFJ	Helsinki R.	FNL	cw-ofj qsx	pt53
8458,8	2228	YQI	Constanta R.	ROU	cw-de yqi4 qsx, tfc	pt53
8469	2126	ZRH	Ny Capetown	AFS	cw-de zrh qsx	pt53
8471	2047	ZRQ	Ny Capetown	AFS	cw-vvv de zrq	pt53
8473,5	2128	A7D	Doha R.	QAT	cw-de a7d	pt53
8476	2307	9VG	Singapore R.	SNG	cw-cq de 9VG qsx	pt53
8484	2219	HLF	Seoul R.	KOR	cw-cq de hlf	pt53
8515	2030	5AT	Tripoli R.	LBY	cw v/cq mkr	pcG
8521	0842	VIP	Perth R.	AUS	cw-cq	lrG
8522	2153	CBV	Playa Ancha R.	CHL	cw-vvv qsx	pt53
8532	0526	LZW49	Varna R.	BUL	cw-de lzw 49	pt53
8539	2237	VRX35	Hongkong R.	HKG	cw,cq	pt53
8555	0529	TBB7	Ny Ankara	TUR	cw-vvv	pt53
8565	2254	D3E51	Luanda R.	AGL	cw-cq qsx	pt53
8566	2240	ZSJ	Capetown R.	AFS	cw-cq qsx	pt53
8571	1539	JNA	Tokio CG	J	cw-cq	pt53
8571	2204	UFN	Novorossiisk R.	RUS	cw-de ufn	pt53
8580	2100	RKLM	Archangelsk R.	RUS	cw `4ly de rklm qsx...	pcG
8589	2020	HPP	Panama R.	PNR	cw v/cq mkr	pcG
8598	1848	OXZ4	Lyngby R.	DNK	cw-cq	pt53
8601,3	1830	ZLO	Auckland RNZN?	NZL	cw `de zlo zay a1a 4 6 8 zn1a a 2 4 6 8 ar`	pcG
8622	1558	PCH41	Scheveningen R.	HOL	cw-de pch 418	pt53

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8624	1835	XSQ	Guangzhou R	CHN	cw cq mkr	pcG
8646	2115	VTP	Vishakhapatnam	IND	cw v mkr `vtp 4/5/6`	pcG
8646	2154	LPD86	General Pacheco R.	ARG	cw-vvv de lpd 86	pt53
8646	2156	VTP6	Ny Vishakhapatnam	IND	cw-vvv de vtp, QRM by LPD	pt53
8650	2153	SPB43	Szczecin R.	POL	cw-de spb + SITOR	pt53
8651	2149	VTP	Ny Vishakapatnam	IND	cw-vvv vtp 4/5/6	pt53
8658	2120	ASK	Karachi R.	PAK	cw-vvv mkr	pt53+pcG
8662	2126	TAH	Istanbul R.	TUR	cw cq mkr	pcG
8670	0139	IAR8	Roma R.	I	cw-vvv de iar	pt53
8682	0940	EAD3	Madrid R.	E	cw-de ead3/44 qsx	pt53
8685	0943	IRM	Roma Medico R.	I	cw-vvv qsx	pt53
8688,5	2158	ZSC6	Capetown R.	AFS	cw-cq qsx	pt53
8691	2212	XST	Qingdao R.	CHN	cw-cq gru?	pt53
8692,5	2005	SVD4	Athen R.	GRC	cw-de svd 4	pt53
8694	2006	VTN	Ny Cochin	IND	cw-vvv vtn 4/5/6/7	pt53
8698	2049	7TF6	Boufarik R.	ALG	cw-cq qsx	pt53
8700	1849	9AR	Rijeka R.	HRV	cw-vvv de 9ar 2/3/7 qsx	pt53
8704	1853	SVB	Athen R.	GRC	cw-de svb 4/5/6	pt53
8706	2130	JOS	Nagasaki R.	J	cw-cq de jos qsx	pt53
8707	1910		Astrakhan R.	RUS	usb-w/mv Leninski Komsomol	dmRU
8737	2027	5BA	Cyprus R.	CYP	USB,E, ID	pt53
8737	2004	5BA	Cyprus R.	CYP	usb-id in EE and Greek	dmRU
8749	2205	WOO	Ocean Gate R.	USA	USB,E, tfc-list, wx, ID	pt53
8764	2219	NMN	USCG Camslant	USA	USB,E, wx-forecast, ID	pt53
12662	1101	7TF8	Boufarik R.	ALG	cw-vvv qsx	pt53
12682,5	1139	PKE	Ambon R.	INS	cw-cq	ai47
12693	0900	UGC	St. Petersburg R.	RUS	cw-de ugc qsx	pt53
12695	0754	XSX	Chi-lung R.	TWN	cw-cq mkr	pcG
12695,5	1735	KFS	San Francisco R.	USA	cw-cq mkr	pcG
12699	2215	HPP	INTELMAR Panama	PNR	cw-cq + vvv gru?	pt53
12700	1500	XSQ	Guangzhou R.	CHN	cw-cq de xsq	pt53
12707	1620	9VG34	Singapore R.	SNG	cw v mkr	pcG
12712,3	1122	HLW3	Seoul R.	KOR	cw-cq de hlw 3 qsx	pt53
12724	1625	9VG57	Singapore R.	SNG	cw v mkr	pcG
12728	1152	J2A9	Jibuti R.	DJI	cw v/cq mkr	pcG
12735	1650	URL	Sevastopol R.	UKR	cw-cq de url	pcG+pt53
12830	1110	RKLM	Arkhangelsk R.	RUS	cw-4ly de rklm qsx	pt53
12831	1618	3BM5	Mauritius R.	MAU	cw-cq de 3bm	pt53
12859	0856	SVD5	Athen R.	GRC	cw-de svd 5	pt53
12877,5	2030	UIW	Kaliningrad R.	KAL	cw-cq de uiw qsx	pt53
12930	0915	JYO	Aqaba R.	JOR	cw-cq	pt53
12940	0355	LZW51	Varna R.	BUL	cw-de	dmRU
12942	1319	RKLM	Arkhangelsk Fishery R.	RUS	cw QSX tape	abNL
12973	1315	UIW	Kaliningrad R.	RUS	cw Tfc list	abNL
12997,5	0927	UUI	Odessa R.	UKR	cw-vvv de uui qsx	pt53
13054	1300	UIW	Kaliningrad R.	RUS	cw w/various vessels	abNL
13055	1258	UTQ	Kiev R.	UKR	cw-vvv marker	abNL
13076,5	0845	JNA	JMSA Tokyo	J	cw-cq	ai47
13076,8	0345	HZG	Dammam R.	ARS	cw-de, qsx ch 3/4/9	dmRU
16836	1111	DAN	Norddeich R.	D	cw-id + sitor	dmRU
16912,4	1633	SUH	Alexandria R.	EGY	cw-cq	pt53
16942,5	1310	9AR	Rijeka R.	HRV	cw-vvv qsx	pt53
16950	1309	9MB	Navy Lumut	MLA	cw-vvv qsx	pt53
16986	0933	CTP	Ny Oeiras	POR	cw-de ctp qsx	pt53
17013	1550	5BA	Cyprus R.	CYP	cw-cq qsx	pcG+pt53
17015	0935	UTQ	Kiew R.	UKR	cw-cq de utq qsx	pt53
17015,2	0941	A9M	Bahrein R.	BHR	cw-cq qsx	pt53
17050,4	1105	ASK	Karachi R.	PAK	cw-vvv qsx	pt53
17117,6	1251	WNU	Slidell R.	USA	cw-cq mkr	pcG
17147	1057	URL	Sevastopol R.	UKR	cw-cq, qsx 16669,5	dmRU
17175,2	1634	A9M	Bahrein R.	BHR	cw-cq qsx	pt53
17177	0902	URK9	Kertch R.	UKR	cw-cq	pt53
17199	1050	PCH60	Scheveningen R.	HOL	cw-tfc list, then de-mkr	dmRU
17204	1045	OXZ	Lyngby R.	DNK	cw-cq, tfc fer UDWI, qsx	dmRU
19698	1040	OST	Oostende R.	BEL	cw-id + sitor	dmRU
22387,5	1033	SVU	Athinai R.	GRC	cw-id + 1 dash (pure tone)	dmRU
22401	1030	HEC	Berna R.	SUI	cw-id + sitor	dmRU

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D I G I T A L

139	0945	DCF49	BMPT Bonn	D	ASCII 200 Tests+encr.msgs	abNL
2461,5	2210	0A	Irish navy Dublin	IRL	SITOR-A 100 Routine msgsg	abNL
2815	2021	IDR8	Ny Roma	I	RTTY 850/75, mrk	pt53
2840,7	0001	DBIG	CG vessel BG23 Sellin	IW	SITOR-A 100 w/CG Cuxhaven	abNL
2840,7	0007	DLVC	CG vessel Ruegen	IW	SITOR-A 100 w/CG Neustadt	abNL
2840,7	1742	DBAZ	mv Bremen 2 (police boat)	D	SITOR-A 100 w/CG Cuxhaven	
					Is still in the harbour	abNL
2840,7	1747	DLVP	mv Kniepsand (customs launch)	IW	SITOR-A 100 w/CGCuxhabNL	
2840,7	1832	DGOQ	mv Scharhorn	IW	SITOR-A 100 w/CG Cuxhaven	abNL
2840,7	1853	DBPG	mv Mellum	IW	SITOR-A 100 w/CG Cuxhaven	abNL
2892,3	1740	MGJ	Ny Farslane	G	RTTY 370/75 marker,de mgj	pt53
3667,2	1820		UNID Cairo?	EGY	ARQE/46.1/170idle+h00 msgsg	pcG
3815,4	0906	HFVBG	MOI Luebeck	D	ARQ-E 96 Test msgsg	abNL
4861,5	1745		UNID DCN?	?	PICC/? s/ch idle	pcG
5055	1700	JYF6	PETRA Amman	JOR	RTTY 50,E-nx, ID	pt53
5129	1415	RF--	UNID? FF	F	ARQE/72/400 idle+off/notfc	pcG
5287,5	1938	RETYV	Guardia Civil, Valencia	E	SITOR-A 100 Msgsg	abNL
5320,5	1906		Guardia Civil Guipuzcoa	E	SITOR-A 100 Msgsg	abNL
5321,5	1844		Guardia Civil, Cuenca	E	SITOR-A 100 Msg from jecor to	
					RETXX MOI Madrid	abNL
5353,5	1630		Guardia Civil Barcelona	E	SITOR-A 100 Msgsg	abNL
5391,7	2234		Tunesian Navy Tunis	TUN	SITOR-A 100clg selcallXKTQabNL	
5391,7	2258		TUN Naval vessel NHO Salambo	(A701)	INT SITOR-A 100	
					Secret msgsg to EMAM/BOR	abNL
5400	1530	YOG37	Bucharest METEO	ROU	ITA2/50/400 cont met	pcG
5405	0745	RFF---	UNID FF	F	ARQE/72/400 UBF RFFHCFB de	
					Marseille + 5ltr grps	pcG
5414,2	1850		UNID Belg. Mil	BEL	COQ/13 ry 97 de 5f int qso	pcG
5430	2135	RFF--	UNID FF Corsica	F	ARQE/192/400 fm centrans	
					ajaccio to centrans calvi rryr msg	pcG
5457	0900	RFF--	UNID FF	F	ARQE/72/400 UAF Ex Actionexp	pcG
5731	1910	YRR4	Bukarest Meteo	ROU	RTTY 425/50, wx	pt53
5732,5	1130	RF--	UNID FF	F	ARQE/72/400 cont idle	pcG
5752,5	1403	HBD20	MFA Berne	SUI	SITOR-A 100 Encrypted msgsg	abNL
5862,5	1635	RF--	UNID FF	F	ARQE/72/400 cont idle	pcG
6434,4	1415		Royal Navy	G	BAUDOT 100 On-line encryp.	abNL
6725	2235		UNID	?	RTTY 850/75, coded msgsg	pt53
6801,5	1420		UNID	?	RTTY 250 shift/50, only Y	pt53
6839	0902	RFF--	UNID FF	F	ARQE/72/400 UFA Ex Actionexp	pcG
6862,7	2015	RFFVAT	FF Incirclik	TUR	ARQE3/200/400 ESK to Paris	
					rffva de rffvaea zic esk004 zid akj029	pcG
6908,2	1825	RFFVA	FF Paris	F	ARQE3/200/400 AKJ to Incir.	pcG
6872	1550		UNID	?	RTTY 500/75,5fgs, wx aaxx	pt53
6972	1540	YOG59	ROMPRESS	ROU	RTTY 500/50, F-nx	pt53
6976	1445		UNID, FF Ajaccio?	F?	ARQ-E-96, idle	pt53
7863,5	1500	SPW	Warschau R.	POL	SITOR B, tfc-list, ID	pt53
8070	1515		UNID	?	RTTY 250/50, wx, out	pt53
8108,2	1921	RFQP	FF Djibouti	DJI	ARQ-M-200, de rfqp	pt53
8137	1530	TCY1	AA Ankara	TUR	RTTY 1400/50, E-nx	pt53
8151	1720	IGJ44	Ny Augusta	I	RTTY 850/75, mrk	pt53
8626,4	1840		UNID	?	ITA2?/75/85 crpto preceded by	
					usual rryryr..vmgtcnjbh...	pcG
9129,4	2028	MGJ	Ny Farslane	G	RTTY 75/850, mrk	pt53
9154	0702	D4B	Amilcar Aero	CPV	ITA2/50/850 de d4b rryr	pcG
9265,5	0733		UNID? DCN?	?	PICC/? s/ch idle	pcG
9272	1800	RF--?	UNID	F	ARQE/72/400 cont idle+off	pcG
9361,8	1550	DGJ36	PIAB Bonn	D	FEC-A-96, D-nx	pt53
9486,2	0740	RF--?	UNID	?	ARQE3/200/400 rffjcv de	
					rffsyra znr.. + aero wx msg	pcG
10261,5	1359		Unid	?	BAUDOT 75 On-line encrypt.	abNL
10298,6	1450	HSW62	Bangkok Meteo	THA	RTTY 200/50, wx, no ID	pt53
10469,5	1500	RHFMM	UNID	?	ARQ-E-96 5digit-msgsg,NATO?	pt53
10551,3	1552	GFL23	Bracknell Meteo	G	RTTY 75, wx no ID	pt53
10580	1556	HMF46	KCNA Pyongyang	KRE	RTTY E-nx	pt53



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10917,7	1850	RFTJ	FF Dakar	SEN	ARQ-E-3,48bd(no ID)	F-msgs	pt53
10945	0800	CHF	Ny Halifax	CAN	BAUDOT 75	NAWS de CHF	abNL
12186	1555	5AQ62	JANA Tripolis	LBY	RTTY F-nx, ID		pt53
13585,9	1649		MAP Rabat	MRC	RTTY 50/400,F-nx, ID	abNL+	pt53
13846,7	1633	RFQP	FNy Djibouti	DJI	ARQ-M,100,controle de voie		pt53
14356	1344		tent. Bracknell Meteo	G	RTTY 400/75, wx, no ID		pt53
14573	1410		tent. RN	G	RTTY 400/50, msgs		pt53
14610,5	1315	MKD	Cyprus DCN	CYP	PICC/6 2/ch ch1`muh de mkd` +		
14626,7	1220	RFLI	FF Ft. de France	MRT	ARQE3/192/400 LIJ to Dakar		pcG
14815,5	1310		UNID	?	? 3 ch all 144/170		pcG
14927,6	1306	RFTJ	FF Dakar	SEN	ARQE3/192/400off usual qrg		pcG
14940,5	1304		UNID DCN	?	PICC/? s/chan idle		pcG
14941	1355		UNID METEO?	?	ITA2/50/400`spk spk spk 1/135		
16893	1232	USU	Mauripol R.	UKR	SITOR/A msg		pcG
16905	1237	FUV	FNy Djibuti	DJI	ITA2/75 ry/sg test de fuv		pcG
16951,5	1240	6WW	FNy Dakar	SEN	ITA2/75/850 ry/sg+le brick		pcG
18220,9	1256	CNM76X9	MAP Rabat	MRC	EE news		pcG
19350	1300		UNID	?	75/850 cont ?		pcG
19860	1301	MGJ	Ny Rosyth	G	ITA2/75/850 CARB info mkr		pcG
16905,5	1218	FUV	F Ny Djibouti	DJI	RTTY 850/75, mrk ry		pt53
16951,5	1618	6WW	FNy Dakar	SEN	RTTY 850/75,ry testing		pt53
17590	1609	HZN49	Jeddah Meteo	ARS	RTTY 800/100, wx tent HZN		pt53

Q S L - R E V I E W

ITU-Station	Days	rcvd/gvn	QRG	Callsign	Power	Name
ARG-Argentina R.	55	ppc/ms back	12581	LSD836	1000 w	zeTC
AUS-IPS Beacon	12	lt,i	14405	VL8IPS		lrG
CAN-Halifax CGR	156	lt/rp	2749	VCS		hb31
CPV-Sao Vicente R.	27	f/d cd 2 f/ups PP rep	8649	D4A		lrG
D -GAF Muenster	10	ppc	5687	DHM91		ai47
D -GAF Wunstorf	14	ppc	5687	DHO32	1000 w	ai47
D -GAF Hohn	120	ppc,lt,i,sti`s,	5687	DHO60	1000 w	ai47
D -GAF Transall 50+81	33	ppc,sti	5687	`50+81`	400 w	ai47
D -GAF Transall 50+49	20	ppc,sti,ham-cd	5687	`50+49`	400 w	ai47
D -NDB Moenchengladbach	9	ppc	377	`MGB`	5 w	ai47
D -NDB Speyer	4	ppc dir./rp	350	`SPM`		hb31
D -Norddeich R.	18	2xf/d cd/IRC	2727+16836	DAN		dmRU
EST-Tallinn Volmet	69	lt/IRC	4645			hb31
F -CORSS Corsen	51	ppc,i/SASE	2182		100-200 w	ai47
F -CROSS Corsen	43	ppc,i/SASE	1650		1000 w	gsLX
F -CROSS La Garde	10	ppc/SASE	1695		1000 w	gsLX
F -CROSS Med, La Garde	17	n/d lt,info/rp	1695			hb31
F -NDB Merville	5	ppc,f/up via Lille	327	`MVC`		hb31
F -FAF Contrexeville	28	lt via Orleans/rp	4857	FDE14		hb31
F -FAF Narbonne	14	lt via Orleans/rp	5038	FDI22		hb31
F -FAF Nice	40	lt via Orleans/rp	5748	FDI8		hb31
G -Swansea CG	42	f/d lt SAE not used	2182			lrG
G -Portland Coastguard	10	ppc,i/SASE	2182		250 w	gsLX
I -CIRM Rome	58	cd,i/IRC	8685	IRM		dmRU
IW -FGS Groemitz	14	ppc f/up	3116	DREW		ai47
IW -FGS Wolfsburg	14	ppc f/up	3116	DREE		ai47
IW -FGS Auerbach/Opf	16	QSL,pc/SASE	6779	DRFR		gsLX
IW -FNyS Malabar	13	ppc/SASE	2182	FBLB	400 w	gsLX
IW -HMS Edinburgh	61	ppc	2182	GBBE		ai47
IW -M/S Gunnfjaun	8	ppc/SAE,IRC	2182	SGWO		gsLX
IW -RV Geolog Dimitriy Nalivkin	160	ppc/SAE,IRC	2182	UAMN	250 w	gsLX
IW -SV Thor Heyerdahl	14	ppc/SASE	2182	DKQH		gsLX
IW -Transocean John Shaw	158	ppc/SASE	2246	3EDT9	200 w	gsLX
IW- MT Petrarca	26	ppc,lt,info/ms	2182	ICBX		hb31
JOR-NDB Aqaba	49	ppc,vc hrd in ISR-f/up	404	`AQ`	300 w	ai47

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MCO-Monaco R.	41	cd	8743	3AC69	10000	w	zeTC
NOR-Rogaland R.	82	f/d lt/IRC	13029	LGJ	5000	w	dmRU
POL-Gdynia R.	15	pc,QSL,i/SAE,IRC	1692	SPC	2000	w	gsLX
POL-NDB Katowice	21	ppc direct/rp	588	P			hb31
POL-Witowo R.	45	cd/sase 4th try	2643,5	SPS	800	w	zeTC
POL-Witowo R.	15	pc/SAE,IRC	2720	SPS	2000	w	gsLX
THA-NDB Hat Yai	89	ppc,lt hrd in MLA-f/up	328	HY			ai47
THA-NDB Phuket	89	ppc,lt hrd in MLA-f/up	360	PU	400	w	ai47
USA-MARS East Liverpool	73	ppc,ham-cd,fo f/up	13927	AFA1MH	100	w	ai47
USA-USCG Mayport,FL	12	lt f/up	2182	NMA10			lrG
UZB-TS Tashkent	49	cd via Moscow/1\$	2500	ULA4			hb31

ppc=prepared card, lt=letter, i=information, fo=photo, sti=sticker, vc=viewcard,  
 cd=card, irc=international reply coupon, ms=mint stamps, rp=return postage,  
 sked=schedule, sase=self addressed and stamped envelope, sae=self addressed  
 envelope, f=folder, f/d full detailed, USD=US Dollar, c/a=central address

## Membership and Money corner:

We have to say a hearty welcome to two new EUNLers: It's Flavio Vendramini from Italy (fvI) and pt53 (Hans-Peter Tillmann) which some of you may know from the EAWRC. OM Peter send in a lot of logs. I hope you go on this way. Wish you both a lot of fun with our EUNL!!! Fee received, will pass it to the treasure, tnx!

## Inquiries Department:

By the way, are there any other sources for NDB identification in the Internet? (dmRU) (except EUNL NDB database, ed)

## Addresses/Infos/Veri-signers:

OM Dmitri (dmRU) informed me, that the material on the CIS Aero Networks in EUNL

9-97 was from OM Arkadi Smirnov, Petrozavodsk, Russia. OM Dmitri supplied it only. So we have to thank OM Arkadi for the very nice stuff!!! (I hope you feel

much better now, hi ;-)-ed)

Arkadi Smirnov, a reader of Moscow Info DX Bulletin, reported to dmRU that NDB `T+SH` (cf. EUNL 9/97) is located at Zelenga, RUS (Astrakhan region). Exact QRG is 905. (dmRU)

Please excuse the helter-skelter of the letters in the title from the v/s of NDB

Paris-Orly! It should be: Luc Deneufchatel (L'Adjoint au Chef de Departement Radiocommunications et Radioguidage). Sorry, don't know what happened. (ed)

Some solved NDB's from our specialist's mo76 and zeTC:

FK	287	Kurumoch/Samara	RUS	53.3130N	50.1318E
HA	330	Kharkov	UKR	49.5530N	36.1730E
IP	688	Zakharovka	RUS	54.4400N	36.3900E
KA	299	Karaganda	KAZ	49.4000N	73.2000E
KR	885	Kirishi	RUS	59.2700N	32.0300E
PT	527	Ufa	RUS	54.3600N	55.4924E
RG	299	Karaganda	KAZ	49.4000N	73.2000E
SU	791	Belozyorsk	RUS	60.0200N	37.4600E
TA	670	Aktau	KAZ	43.5200N	51.0600E
SAV	351	Savonlinna	FNL		

John Shaw/3EDT9: Transocean Offshore Inc., Transocean House, Crawpeel Road, Altens Industrial Estate, Aberdeen AB12 3LG (gsLX)

CROSS-MED: C.R.O.S.S. Corsen, Fort Ste. Marguerite, B.P.69, F-83953 La Garde (gsLX)

CROSS-CORSEN: C.R.O.S.S. Corsen, Pointe de Corsen, F-29810 Plouarzel (gsLX)  
 Thor Heyerdahl/DKQH: Segelschiff "Thor Heyerdahl" e.V., Kaistrasse 33, D-24103 Kiel (gxLX)

FGS Auerbach i.d. Oberpfalz/DRFR: 5.Minensuchgeschwader, Hafenstrasse 3, D-24376

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KappelN (gxLX)  
FNYS Malabar/FBLB: Monsieur le Commandant,FS ... + Hull, Bureau Central Naval,F-00300 Armees (gxLX)  
M/S Gunnfjaun/SGWO: Gotlands Kummun, Hamnplan 1, S-621 82 Visby  
Gdynia R./SPC: Telekomunikacja Polska S.A., Radiokomunikacyjne Centrum Odbiorcze

w Rekowic, 84-123 Polchowo (gsLX)  
Witowo R./SPS: Telekomunikacja Polska S.A., Zaklad Radiokomunikacji i Teletransmisji, Szczecin, Radiokomunikacyjny Osrodek Nadawczo-Odbiorczy,"Witowo Radio",76-107 Jaroslawiec, ul Nadmorska 44A (gxLX)  
RV Geolog Dimitriy Nalivkin/UAMN: Arctic Sea Geological Exploration Expedition, ul. Sofiya Perovskoy 26.Murmansk, Russia (gsLX)  
Portland CG: Portland District, Custom House Quay, Weymouth, Dorset DT4 8BE (gsLX)  
CIRM Roma/IRM: Centro Internazionale Radio Medico, via dell'Architettura, 41, 00144 Roma (v/s Nino Rizzo, M.D., Director) The name `Roma Medico Radio` (IRM is

mentioned under this name in Brannolte/Siebel "Spezial-Frequenzliste) is not used by the station itself. The official IRM name is CIRM (Centro Internazionale

Radio Medico).(dmRU)  
Norddeich Radio/DAN: Kuestenfunkstelle, Norddeich Radio, Postfach 11 90, 26491 Norden (dmRU)  
Rogaland Radio/LGJ: P.B. 3070, N-4301 Sandnes (v/s by Arne Skarsheim, QSL-manager) (dmRU)  
USCG Mayport,FL/NMA10: 4200 Ocean St. Mayport, FL 32233 (v/s B.M Chase)(lrG)  
Sao Vicente R./D4A: Cape Verde Telecom, Av. 5 de Julho, Sao Vicente (lrG)  
CROSS Med: Centre Regional Operationnel de Surveillance et de Sauvetage en Méditerranée, Fort Sainte Marguerite, B.P.69, F-83953 La Garde CEDEX  
Station was opened on July 7 1997, weather at 0633, 1233 and 1833 UTC. Power on 1695/2182 khz is 1 kw, and the transmitter is located on Porquerolles Island near Toulon. (hb31)  
NDB Katowice/P: Przedsiębiorstwo Państwowe "Porty Lotnicze", Agencja Ruchu Lotniczego, Terenowy Zespół Kontroli Lotniska Katowice, PL-41-960 Ozarowice, Poland (hb31)  
MARS East Liverpool/AFA1MH: Richard Feldman, Box 30, East Liverpool, OH 43920 (ham c/s = K8HGY) (ai47)  
GAF Hohn/DH060: Fernmeldezug/Flugbetriebsstaffel, Lufttransportgeschwader 63, Postfach 464/140, D- 24754 Rendsburg (ai47)  
GAF Wunstorf/DH032: Flugbetriebsstaffel, Lufttransportgeschwader 62, D- 31515 Wunstorf (ai47)  
NDB Aqaba/AQ: Civil Aviation Authority, Aqaba Airport, P.O. Box 82, Aqaba 77110 v/s = Kamal Abu Lila (ai47)  
NDB Phuket/PU+Hat Yai/HY: Aeronautical Radio of Thailand, Phuket ATCC, Phuket Int'l Airport, Thalang, Phuket 83140 (v/s = Mr. Diaw Mandech)(ai47)

One verisigner:  
Swansea Coastguard: G.M.W Martin, Watch Officer (lrG)

Greetings corner:  
OM Peter (pcG) would like to send deepest greetings to rb55 (Rainer) via EUNL!

This great service was supported from the following (11) international Ute-folks: gsLX, rk50 (I wish you a speedy recovery, dear Reinhard!), dmRU, lrG, abNL, zeTC, pt53, pcG, mo76, hb31, ai47

gd dx + 73`s

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EUROPEAN UTILITY NEWSLETTER 12-97  
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\* Editor: Andreas Ibold, Mittelstr. 10, D-47441 Moers, GERMANY \*  
\* Tel.: (49) 02841 / 178529 \*\*\*\*\* e-mail: aibold@aol.com \*  
\* Home page: <http://members.aol.com/aibold/EUNL.htm> \*  
\* Logs: <http://members.aol.com/aibold/logs.htm> \*  
\* Treasurer: Norbert Reiner \*

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Welcome freaks,  
 Well, this is the last EUNL in 1997 and full of stuff. I would like to take this opportunity to thank all of you who spend time and efforts for logs and information`s. I hope you (and may be some more?) go on this way. Wish you all a very nice X-mas!!!

				N D B		
269	1710	BH	Blavandshuk	DNK	id+dash	ti26
274	0255	SAL	Sal	CPV	id+dash	rk50
276,5	1708	BW	Bremen	D	id	ti26
284	0302	FSB	Fassberg	D	id+2 dashes	rk50
289,5	2340	NP	Punta Carena	I	id+tone	nr76
290,5	2052	LL	Halloe	S	id+tone	nr76
294	1358	PH	Cap d'Alprech Lt.	F	ids+dash (old format)	rk50
297	2235	CH	Civitavecchia	I	id+tone	nr76
298	1711	EL	Elbe Lightvessel	IW	id+dash	ti26
300,5	2229	LA	Lista Lt.	NOR	id+dash	ti26
302	1551	BE	Borkum Lt.	D	id+dash	rk50
303,5	0150	BR	Baranova	RUS	id+tone	nr76

This one would be located at 74.2750N 84.1400E! They transmitted at even minutes + 32 five times BR, tone at 59, then once c/s at odd minutes +26, no tone, four times c/s at odd minutes + 42, tone at even minutes +07, then again the same play... Any other idea?

304	2108	ME	Punta della Maestra	I	id+tone	zeTC+nr76
307	0228	DIK	Diekirch	LUX	id	zeTC
307	2055	PG	Praha/Ruzyne	CZE	id	nr76
309	0029	DO	Dole	F	id+tone	nr76
309,5	2242	WE	Wangerooge	D	id+dash	ti26
310	0118	SIV	Sivas	TUR	id	nr76
312,5	0233	KA	Klaipeda Lt.	LVA	id+tone	zeTC
312,5	0237	LB	Liepaja Lt.	LVA	id+tone	zeTC
312,5	0249	AK	Akmenrags Lt.	LTU	id+tone	zeTC
313	2105	AB	Innsbruck/Absam	AUT	id	nr76
314	1647	WU	Wustrow Lt./Stralsund	D	id+tone	zeTC
319	1650	C	Prerov	CZE	id	zeTC
319	2115	VAR	Stavanger/Varhaug	NOR	id (ex LEC 319)	rk50+nr76+mo76
321	2105	SP	Skrydstrup	DNK	id	nr76
322	2106	KOR	Helsinki-Korso	FNL	id	nr76
322a	0026	SBI	Unid	?	id, not SBL!	rk50
325	2150	KAU	Kaunas/Karmelava	LTU	id	mo76
326	2653	JED	Jedrzejew-Jedow	POL	id	zeTC
329	2141	KQ	Krupki	BLR	id	zeTC
331	2122	KAN	Kangas	FNL	id	nr76
331	2130	HR	Union Oil Heather A	IW	id	nr76
332	0050	MR	UNID (not Maribor-334!)	?	id (4x = 1 min)	dmRU
332	0206	FAR	Faro	POR	id	rk50
334	0204	MR	Maribor	SVN	id+dash	rk50
334	0043	GMN	Gormanston	IRL	id	rk50
335	2010	BL	Budapest/Feryhegy	HNG	id	nr76
336	2304	BTA	Bergen (Bratta)	NOR	id	rk50
337	1959	MY	Myggenaes	FAR	id	nr76+ti26+mo76

Ten litres of beer to the OM/YL/XYL telling me an address that works for QSL-ing..... nr76 (Great, that`s a word! -ed)

338	2008	F	Oestersund/Froson	S	id	mo76
340	2116	BLK	Banja Luka	BIH	id+tone	mo76+rk50+nr76

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341	1701	LAU	Hessische Lichtenau	D	id	zeTC
341	2243	LO	Billund	DNK	id	ti26
341,5	2152	R	Rzeszow/Jasionka	POL	id	mo76
343	2152	KUS	Kaunas/Karmelava	LTU	id	mo76
346,5	1721	BMN	Bremen	D	id	ti26
348	0210	ZZA	Zaragoza	E	id	rk50
349	2010	KSL	Kassel-Calden	D	id	zeTC
349	2148	SZA	Solenzara (Corse)	F	id+tone	zeTC
351	0235	CST	Costix	E	id	nr76
351	2139	UK	UNID	?	id	dmRU
354	2108	KN	UNID	?	id	mo76
354	1925	PP	Pamplona	I	id+tone	nr76
355	2109	J	Varkaus	FNL	id	mo76
356,5	0227	OU	Ouargal	ALG	id+tone	nr76
357	0240	KG	Sarajevo	BIH	id no tone	nr76
357	0232	FAL	Falconara	I	id	nr76
357,5	2020	KG	Sarajevo-Ilidza	BIH	id	zeTC
358	2033	HW	Hannover-west	D	id	zeTC
358	2137	LA	UNID	?	id+tone	mo76
358	0048	CVU	Castres/Mazamet	F	id+tone	nr76
358	0231	RNN	Roanne/Renaison	F	id+tone	nr76
359	2200	LA	UNID	?	id+tone (like YUG NDB)	nr76
360	0204	ASK	Bergen (Askoey)	NOR	id	rk50
366	1712	MB	Maribo-Lolland	DNK	id	zeTC
366	2246	UTH	Orland-Uthaug	NOR	id	ti26
366	2330	KM	Kalmar	S	id	rk50
366	2331	SF	Falkoeping	S	id	rk50
367	0236	SBD	Sabadell	E	id	nr76
370	0224	PSA	wirtshaus Spessart	D	id & menu card	rk50
370	0140	CGZ	Paris/Charles de G.	F	id no tone	nr76
370	0132	BSV	Besancon/La Veze	F	id+tone	nr76
370,5	0157	AP	Aberporth	G	id	rk50
371	2027	LEV	Cuneo/Levaldigi	I	id	mo76
372	2248	ODR	Odderoy	NOR	id	ti26
373	2249	KEM	Kemi	FNL	id	ti26
374	0229	RNR	Radnor	G	id	rk50
374	2330	TU	Tirstrup	DNK	id	nr76
375	2136	TRZ	Trzebnica/Lubin	POL	id	nr76+mo76
375	0228	TR	Platform Tor	IW	2 id	rk50
375	0232	KD	Kristianstad	NOR	or S? id	rk50
376	0231	LN	Hultsfred	S	id	rk50
378	1720	OK	Pleschenitsy	BLR	id+tone	zeTC
378	0240	KLY	Killiney	IRL	id	rk50
379	2333	VEN	Venezia/Tessera	I	id	nr76
380	1721	ESP	Espoo	FNL	id	rk50
381	2218	SIB	Sibiu	ROU	id	zeTC
381	2155	AB	Akraberg	FAR	id	nr76
382	2220	GAZ	Verona-Gazoldo	I	id	zeTC
383	1726	LAG	Rostock-Laage	D	id	zeTC
386	0000	BZ	Brize Norton	G	id	rk50
388	2323	BR	Lyon/Bron	F	id+dash	rk50
389	0153	CP	Lisbao/Caparica	POR	id	rk50+nr76
390	1726	JEV	Jever	D	id+dash	ti26
392	2019	RAN	Ranta	FNL	id	mo76
392	2045	UK	Inowroclaw	POL	id	nr76
392	0329	VUN	Verdun	F	id+tone	nr76
392	0145	VZ	Vichy/Charmeil	F	id+tone	nr76
393	1858	DEN	Dender	BEL	id+tone	zeTC
393	0208	BX	Mende/Brenoux	F	id+tone	nr76
394	2128	NV	Nevers/Fourchambault	F	id+tone	mo76
398	2035	K	Arad	ROU	id	mo76
399	0240	MTN	Salamanca	E	id	nr76
401	1914	MEG	Mengen-Sigmaringen	D	id	zeTC
403	0147	LPS	Les Eplatures	SUI	id	nr76
404	2152	NL	Nolsoe	FAR	id	nr76
406	2156	MO	Mogilev-Podolsky	UKR	id	mo76
408	2038	W	Utti	FNL	id	mo76
412	2114	PP	Pecs	HNG	id	zeTC

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412	2114	FS	Sliac	SVK	id	zeTC
412	0248	GRN	Girona	E	id	nr76
416	2135	V	Vodochody	CZE	id	mo76
420	2135	ZV	Tuzla	BIH	id+tone	zeTC+nr76
421	0307	T	Linkoeping-Saab	S	id	zeTC
421	0151	GE	Madrid/Getafe	E	id	nr76
426	2125	BC	Bacau	ROU	id	zeTC
431	1907	KBA	Karlsruhe/Baden-Baden	D	id	mo76
432	2128	BB	Bobrka	UKR	id	zeTC
432	2021	AKU	Ivalo	FNL	id	mo76
434	2126	GR	Gorka	RUS	id	mo76
434	2120	ZBN	UNID	?	id	nr76
435	1932	SM	Semyenovka	RUS	id	zeTC
435	2124	ZBN	UNID (Zweibruecken?)	?	id	mo76
436	2127	FRA	Sarajevo/Butmir	BIH	id+tone	zeTC+nr76
438	2134	B	Bratislava-Barka	SVK	id	zeTC
440	1936	TRG	Targovishte	BUL	id	zeTC
450	2127	PDV(E)	Plovdiv	BUL	id	mo76
468	2135	VTN	UNID	?	id+tone	nr76
473	2142	LD	Kishinev	MDA	id	mo76+zeTC
482	2245	LOU	Louvigny/Metz-Nacy	F	id+tone	zeTC
493	1946	KR	Krasnodar-Pashovsky	RUS	id	mo76+zeTC
520	2110	TM	Tomakovka	UKR	id	zeTC
520	1921	BS	Budaoers	HNG	id	zeTC
524	2349	WS	Vitebsk	BLR	id	zeTC
615	2326	OM	Platform Gorm A	IW	id+tone	zeTC
617	2218	SV	Steblev	UKR	id	zeTC
625	2228	NL	Osipovichi	BLR	id	zeTC
635	2240	GH	Minsk	BLR	id	zeTC
696	0411	BT	UNID	?	id	dmRU
732	0105	QO	UNID	?	id (2x = 1 min)	dmRU
735	0102	KW	UNID (Koviahya/UKR,ed)	?	id (2x = 1 min)	dmRU
840	1558	KR	Kaliningrad	KAL	id	zeTC
850	1520	BN	Bronica	UKR	id	zeTC
950	0058	KS	UNID	?	id	dmRU
1010a	0010	PT	UNID	?	id (8x = 1 min)	zeTC
1030	1627	NK	Nikolayevka	UKR	id	zeTC
1060	2250	NE	Nemirov	UKR	id	zeTC
1083	2248	AU	Auly	UKR	id	zeTC
1150	0101	RV	Rzhevka	UKR	id	zeTC
1175a	0040	ER	UNID	?	2x2 double id + 2x tone	zeTC

(ti26 is ti47 in wilhelmshaven)

## F I X E D

3053	1731	FDG	AF Bordeaux	F	cw-vvv	ti47
3089	0055	L	Ny St.Petersburg	RUS	cw channelmarker L	ti47
3142,5	2203	FDG	AF Bordeaux	F	cw-vvv	ti47
3175	2248		RUSNy Tashkent	UZB	cw channelmarker V	ti47
3195	2133		Ny Ustinov	RUS	cw channelmarker R	ti47
3291	2252	RMP	RUSNy Kaliningrad	KAL	cw channelmarker P	ti47
3305,5	1610	FDY	AF Orleans	F	cw-vvv	pt53
3306	0600	FDI8	AF Nice	F	cw-vvv	ti47
3314	2215	HEP3	INTERPOL Zurich	SUI	cw-vvv	ti47
3322	2021		Ny Ustinov	RUS	cw channelmarker R	ti47
3341,5	2218	FDC	AF Metz	F	cw-vvv	ti47
3837	2201	RMP	RUSNy Kaliningrad	KAL	cw channelmarker P	ti47
3877	2259		Unid	?	cw-wkg msg 5lg	ti47
3891	2203	FDE14	AF Contrexeville	F	cw-vvv	ti47
3996	0633	7IYL	Unid	?	cw-wkg cont 7IYL 7IYL ...	ti47
4043	0606	RMP	RUSNy Kaliningrad	KAL	cw channelmarker P	ti47
4326	2045	R	Ny Ustinov	RUS	cw-marker	wk08
4542,5	0608	FDG	AF Bordeaux	F	cw-vvv	ti47
4558	2208	RMP	RUSNy Kaliningrad	KAL	cw channelmarker P	ti47
4558	2222		Ny Arkhangelsk	RUS	cw channelmarker S	ti47
4699	1732		Unid	?	cw wkg cont. RAM6N RAM6N...	ti47
4820	0646	7IYL	Unid, see 3996 khz	?	cw wkg cont. 7IYL...	ti47
4828	0613	RMP	RUSNy Kaliningrad	KAL	cw wkg channelmarker P	ti47
5065	2214	9MB	Ny Lumut	MLA	cw-vvv	ti47

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5154	2216	RCV	Ny Moscow	RUS	cw channelmarker C	ti47
5268	0620	HEP5	INTERPOL Zurich	SUI	cw-vvv	ti47
5301	2310	OLX	MoI Praha	CZE	cw-call	pbKA
5342	0657	FDY	AF Orleans	F	cw-vvv	pbKA+ti47
5367	0658	FDI22	AF Aix-les-Milles	F	cw-vvv	ti47
5446,5	0948	FDC	AF Metz	F	cw-vvv	ai47
5723,5	1638	FDG	AF Bordeaux	F	cw-vvv	ti47
5762	1852	FDE14	AF Contrexeville	F	cw-vvv	ai47
5901,3	1027		Unid	?	cw wkg msg 5lg. autokeyed	ti47
5907	2159		Unid	?	cw msg 5ng,slow autokey	ti47
6697	2018	1SZ	Unid	?	USB,E, r-chk with MKL	pt53
6776	1928		Unid	?	cw wkg msg 5ng, fast morset	ti47
6856	0634		Unid	?	cw wkg msg 5lg, handkeyed	ti47
6871	0635	HEP7	INTERPOL Zurich	SUI	cw-vvv	ti47
7335	1816	FDY	AF Orleans	F	cw-vvv	ti47
7335,5	0913	FDC	AF Metz	F	cw-vvv	ti47
7472,5	0814	FDC	AF Metz	F	cw-vvv	ti47
7484	1034	SNN299	MFA Warszawa	POL	cw wkg id mrk, not=10314kH	ti47
7591	2047		Unid	?	cw wkg msg 5ng, vy strong!	ti47
7671,5	0618	FDI8	AF Nice	F	cw-vvv	ti47+ai47
7805	0722	FDG	AF Bordeaux	F	cw-vvv	ai47
7870	1952	LN2A	Sveio Beacon	NOR	cw-id	ti47+pbKA
8095	0835	FDC	AF Metz	F	cw-vvv	ti47
9009	1829	FDY	AF Orleans	F	cw-vvv	ti47
9153	1835	SNN299	MFA Warszawa	POL	cw wkg id in F1A-mode	ti47
10248	2052	8BY	Unid	?	cw-vvv vvv vvv 8by 8by 8by	ti47
10314	1020	SNN299	MFA Warszawa	POL	cw wkg mkr in F1A-morse	ti47
10407	1256	LN2A	Sveio Beacon	NOR	cw-id	pbKA
10518	1847		Unid	?	cw cont FWL FWL FWL 48490	ti47
10872	1034	RCV	Ny Moscow	RUS	cw channelmarker C	ti47
10872	1034		Ny Arkhangelsk	RUS	cw channelmarker S	ti47
10872	1852	RMP	RUSNy Kaliningrad	KAL	cw channelmarker P	ti47
13528	1710		Ny Arkhangelsk	RUS	cw channelmarker S	ti47
13927	1538	AFA1EN	MARS Shelbyville,IN	USA	wkg AFA2XD	ai47
13927	1538	AFA2XD	MARS Satellite Beach,FL	USA	wkg AFA1EN	ai47
13974	1717	NNN0KEB	MARS Citra,FL	USA	wkg NNN0CBB	ai47
14405	1200	LN2A	Sveio Beacon	NOR	cw-id	pbKA

## M A R I T I M E

516,5	2253	OXZ	Lyngby R.	DNK	cw-cq call-up	ti26
521	2135	FFB	Boulogne-sur-Mer R.	F	cw wkg nav-warning	ti26
1609,5	2139	LGB	Rogaland R.	NOR	cw wkg sitor-id	ti47
1610	2140	SPA	Gdynia R.	POL	cw wkg sitor-id	ti47
1613	2141	OXZ	Lyngby R.	DNK	cw wkg sitor-id	ti47
1619,5	2142	PCH	Scheveningen R.	HOL	cw wkg sitor-id	ti47
1620,5	2230	SAB	Goeteborg R.	S	cw-id+sitor	wk08
1692	1935	LGQ	Rogaland R.	NOR	USB,E, tfc-list	pt53
1692	1935	SPC	Gdynia R.	POL	USB,E/Poln., mv, wx	pt53
1692	2144	FFB	Boulogne-sur-Mer R.	F	USB wkg nav-warnings	ti47
1713	2146	PCG	Scheveningen R.	HOL	USB wkg wx-report	ti47
1734	2147	OXB	Blavand R.	DNK	USB wkg nav-warnings	ti47
1883	1908	GPK	Portpatrick R.	G	USB,E, tfc-list, wx	pt53
2182	1704	OXZ	Lyngby R.	DNK	USB,E, QSY 1734, 1704	pt53
2182	0334		Cabo de Gata R.	E	USB,E/S QSY	pt53
2182	1933	EAS	Cabo Penas R.	E	USB,E/S, ID, QSY	pt53
2182	1933	EAR	La Coruna R.	E	USB,E/S, ID, QSY	pt53
2182	1633	EAO	Palma R.	E	USB,E/S QSY	pt53
2182	1833	FFB	Boulogne-sur-Mer R.	F	USB,F/E QSY	pt53
2182	0433	OXJ	Torshavn R.	FAR	USB,E,Vern QSY 1641,1758	pt53
2182	1934	OFH	Mariehamn R.	FNL	USB,E, ID, QSY 1677	pt53
2182	1834	GCC	Cullercoats R.	G	USB,E, QSY	pt53
2182	1934	GKZ	Humber R.	G	USB,E, QSY 1869	pt53
2182	1938	IDC	Cagliari R.	I	USB,E/I QSY	pt53
2182	1939	ICB	Genova R.	I	USB,E/I, QSY 2722, 1925	pt53
2182	2106	IAR	Rom R.	I	USB,E/I, QSY 1888	pt53
2182	1939	IQX	Trieste R.	I	USB,E/I, QSY 2624,2666,1825	pt53
2182	2035	EJM	Malin Head R.	IRL	USB,E, QSY 1677	pt53
2182	1603	EJK	Valentia R.	IRL	USB,E, QSY 1752	pt53

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2182	2034	LGN	Bergen R.	NOR	USB,E/norw., QSY 1728	pt53
2182	2033	LGZ	Farsund R.	NOR	USB,E/norw. QSY 1785	pt53
2182	1933	SPH	Gdynia R.	POL	USB,E/POL, ID, QSY 1692	pt53
2182	1933	YQI	Constanta R.	ROU	E, ID by YL	pt53
2182	0333	SDJ	Stockholm R.	S	USB,E, QSY	pt53
2182	0335		Machichaco R.	E	USB, E/S QSY 1707	pt53
2182	0333	OFK	Turku R.	FNL	anns nav. warn.+QSY ai47+nr76	
2357,5	0538	OUA32	Ny Aarhus	DNK	cw NAWS bcst D23, zkr..	ti47
2586	0547	OXZ	Lynby R.	DNK	USB wkg nav-warning	ti47
2643	0042	A9M	Bahrain R.	BHR	cw wkg sitor-mkr,spurious?	ti47
2643,5	2201	SPS	Witowo R.	POL	cw wkg sitor-id	ti47
2649	2202	EAS	Cabo Penas R.	E	USB wkg pp to Madrid	ti47
2656	2204	IPA	Ancona R.	I	USB wkg nav-warnings	ti47
2657	2038	CTN37	R. Navao Apulia	POR	USB,E/P, msgs, ID	pt53
2680	2130	4XZ	Ny Haifa	ISR	cw-vvv	ti47+wk08
2800	0047	4XZ	Ny Haifa	ISR	cw-wkg id not = 2680!	ti47
2829,5	2207	SPB	Szczecin R.	POL	cw wkg sitor-id	ti47
3108	2150		German Ships	IW	USB wkg smalltalk, jokes	ti47
3282	2251		German Ships	IW	USB wkg smalltalk, soccer!	ti47
4212,5	1919	FFT21	Saint Lys R.	F	cw,fft + SITOR	pt53
4213	1921	LGW3	Rogaland R.	NOR	cw,lgbtlx + SITOR	pt53
4215	1927	IAR	Rom R.	I	cw,iar + SITOR	pt53
4215,5	1926	OXZ	Lynby R.	DNK	cw,oxz + SITOR	pt53
4215,5	1928	HEC24	Bern R.	SUI	cw,hec + SITOR	pt53
4216	1929	TAH	Istanbul R.	TUR	cw,tah + SITOR	pt53
4216,5	1930	IAR	Rom R.	I	cw,iar + SITOR	pt53
4217	1931	PCH	Scheveningen R.	HOL	cw,pch + SITOR	pt53
4218	1932	OST28	Ostende R.	BEL	cw,ost + SITOR	pt53
4218,5	1946	LZW	Varna R.	BUL	cw,de lzw + SITOR	pt53
4219	1935	TAH	Istanbul R.	TUR	cw,tah + SITOR	pt53
4219	1935	TAH	Istanbul R.	TUR	cw-id+sitor	wk08
4220	1936	PCH	Scheveningen R.	HOL	cw,pch + SITOR	pt53
4241	1949	4XZ	Ny Haifa	ISR	cw,vvv	pt53
4241,5	1950	LGW	Rogaland R.	NOR	cw,cq qsx	pt53
4253	1954	TAH	Istanbul R.	TUR	cw,de tah qsx	pt53
4273	2033	SAA	Karlskrona R.	S	cw-cq	wk08
4366	2000	FFL21	St. Lys R.	F	USB,F, mv, ID, mx, anns	pt53
4408	2035	OXZ	Lynby R.	DNK	YL Dan/EE voice mirror	wk08
4474	2153	ICT	Ny Taranto	I	USB, OM wkg IHBA r-check	wk08
4474	2153	IHBA	UNID (Ny ship?)	IW	OM wkg ICT	wk08
6324	2145	WCC	Chatham R.	USA	SITOR/A tlx/cw (vct/wcc)mkrpcG	
6325	2140	YLQ	Riga R.	LVA	SITOR/A cw/tlx mkr	pcG
6326,5	2130	USU	Mauripol R.	UKR	SITOR/A cw/tlx mkr	pcG
6327,5	2125	UAT	Moscow R.	RUS	SITOR/A cw/tlx mkr	pcG
6501	1605	7TF	Boufarik R.	ALG	USB,F, fv, wx, ID, //8722	pt53
8369	1715	ATOT	m/v Jag Laxmi	IW	cw clg A9M qss (8)384 qtc	pcG
8369	2155	9HLF3	m/v Tomis Future	IW	cw clg ZSC/Capetown	pcG
8384	1430	SVNV	m/v Skopelos	IW	SITOR/A msg to SVU/Athens	pcG
8416	2139	5AT	Tripoli R.	LYB	cw,vvv, cq de 5AT	pt53
8417	2140	GKE4	Portishead R.	G	cw,gke4 + SITOR	pt53
8418	2138	IAR	Roma R.	I	cw,iar + SITOR	pt53
8419	1930	VIP	Perth R.	AUS	SITOR/A tlx/cw mkr	pcG
8419	2145	VIP33	Perth R.	AUS	cw,vip + SITOR	pt53
8419,5	2146	PPR	Rio R.	B	cw,ppr + SITOR	pt53
8420	2146	FFL	St. Lys R.	F	cw,fft + SITOR	pt53
8420,5	2147	HEC	Bern R.	SUI	cw,hec + SITOR	pt53
8421	2158	OXZ	Lynby R.	DNK	cw,oxz + SITOR	pt53
8421,5	1935	LZW	Varna R.	BUL	SITOR/B msg to lzgc/pomoriepcG	
8421,5	2159	9AR	Rijeka R.	HRV	cw,9ar + SITOR	pt53
8422	2159	ESA	Tallinn R.	EST	cw,de esa + SITOR	pt53
8424	2202	SVT	Athinai R.	GRC	cw,de svt	pt53
8424	2204	OXZ	Lynby R.	DNK	cw,oxz + SITOR	pt53
8425	2202	FFL	St. Lys R.	F	cw,fft + SITOR	pt53
8425	2203	HEC28	Bern R.	SUI	cw,hec + SITOR	pt53
8427,5	2205	A9M	Bahrein R.	BHR	cw,a9m tlx + SITOR	pt53
8428	2206	NMN	USCG Camslant	USA	cw,nmn + SITOR	pt53
8428,5	2207	PCH46	Scheveningen R.	HOL	cw,pch + SITOR	pt53
8429	2208	EAD	Madrid R.	E	cw,ead + SITOR	pt53



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8430	2208	9VG39	Singapore R.	SNG	cw,9vg + SITOR	pt53
8430	2209	SPA	Gdynia R.	POL	cw,spa + SITOR	pt53
8431	2015	TAH	Istanbul R.	TUR	SITOR/A tlx/cw mkr	pcG
8431,5	2210	UAT	Moskau R.	RUS	cw,de uat + SITOR	pt53
8432	2211	YLQ	Riga R.	LVA	cw,ylq scan + SITOR	pt53
8432,5	2213	UFN	Novorossiisk R.	RUS	cw,ufn + SITOR	pt53
8433	1958	XSG	Shanghai R.	CHN	SITOR/A wkg ships	pcG
8433	2213	XSG	Shanghai R.	CHN	cw,xsg + SITOR	pt53
8434	1955	TAH	Istanbul R.	TUR	SITOR/A tlx/cw mkr	pcG
8434	2214	TAH	Istanbul R.	TUR	cw,tah + SITOR	pt53
8434,5	2217	LPD	General Pacheco R.	ARG	cw,lpd + SITOR	pt53
8435	2218	VCT	Tors Cove R.	CAN	cw,vct + SITOR	pt53
8435,5	2218	OST	Oostende R.	BEL	cw,ost + SITOR	pt53
8437	2220	4XZ	Ny Haifa	ISR	cw,vvv + msgs	pt53
8448	2222	A9M	Bahrein R.	BHR	cw,cq qsx	pt53
8459	2242	LSD836	Argentina R.	ARG	cw+SITOR,not listed	pt53
8471	1749	ZRQ	Ny Capetown	AFS	cw,vvv de zrq	pt53
8473,5	0800	WLO	Mobile R.	USA	PACTOR WX msgs	pcG
8473,5	2231	A7D	Doha R.	QAT	cw,de a7d	pt53
8496	2150	CLA20	Habana R.	CUB	cw-cq	wk08
8522	2157	CBV	Playa Ancha R.	CHL	cw-cq, tfc-list	wk08
8542	1743	PKX	Jakarta R.	INS	cw,cq	pt53
8589	2207	HPP	Panama Intelmar R.	PNR	cq-vvv cq	wk08
8632	2210	XSW	Kaohsiung R.	TWN	cw-cq	wk08
8634	1746	VTG6	Ny Bombay	IND	cw,vvv de vtg 4/5/6/7	pt53
8636	1742	HLW	Seoul R.	KOR	cw,cq only	pt53
8646	1645	VTP	Ny Vishakapatnam	IND	cw-vvv mkr	pcG
8650,9	2135	VTP	Ny Vishakapatnam	IND	cw,vvv vtp 4/5/6	pt53
8722	1603	7TF	Boufarik R.	ALG	USB,F, fv, wx, ID, //6501	pt53
8764	0845	UIW	Kalingrad R.	KAL	YL-id, RR tfc	wk08
8776	1906	SVN48	Athen R.	GRC	USB,gr., fv ann	pt53
8806	1900	FFL41	St. Lys R.	F	USB,F, mv, ID, mx, anns	pt53
10192,5	2239	DHJ59	Ny wilhelmshaven	D	USB clg DRAN rdock, tfc	ti47
10722	1706	DRAX	FGS Gorch Fock	IW	USB clg DHJ59 rdock, zbo3rti47	ti47
10722	2222	DRAN	FGS Augsburg	IW	USB wkg DHJ59, msgs	ti47
10722	2229	DHJ59	Ny wilhelmshaven	D	USB wkg DRAN, QSY MRL59-15ti47	ti47
12590	1602	9VG	Singapore R.	SNG	cw,9vg + SITOR	pt53
12610,5	1548	VCT	Tors Cove R.	CAN	cw,vct + SITOR	pt53
12611,5	1654	KEJ	Kahalelani R.	HWI	cw,kej + SITOR	pt53
12613	1655	XSQ	Guangzhou R.	CHN	cw,xsg + SITOR	pt53
12615	1551	USU	Mariupul R.	UKR	cw,usu + SITOR	pt53
12620,5	1700	WSC/KLB?	Tuckerton R.?	USA	SITOR/A/B cw/tlx wsc mkr + giving as `cq de klb` (Seattle)?	pcG
12628,5	1559	HHE	UNID	?	cw,hhe + SITOR	pt53
12634,5	0910	TAH	Istanbul R.	TUR	SITOR/A tlx/cw mkr	pcG
12662	1049	7TF8	Boufarik R.	TUR	cw-cq mkr	pcG
12695,5	1044	CNP	Casablanca R.	MRC	cw-cq mkr	pcG
12695,5	1750	KFS	Palo Alto R.	USA	cw-cq	pt53
12735	1035	URL	Sevastopol R.	UKR	cw-cq mkr	pcG
12795	1005	UCE	Arkangelesk R.	RUS	cw `de uce 5 k` mkr	pcG
12799,5	1246	PCH51	Scheveningen R.	HOL	cw,de pch 51 12	pt53
12862	1000	UNID	UNID	?	USB, RR, tfc	wk08
12952,5	1801	VIP	Perth R.	AUS	cw-cq mkr	pcG
12969	0930	SUH	Alexandria R.	EGY	cw-cq mkr	pcG
12970,7	1226	PKX	Jakarta R.	INS	cw,cq	pt53
12973	0937	UIW	Kaliningrad R.	RUS	cw wkg ships	pcG
13042,5	1314	XVS	Ho-Chi-Minh-Ville R.	VTN	cw-cq	wk08
13062	1220	CLA	Havana R.	CUB	cw,cq de cla qsx	pt53
13089	1602	NMN	USCG CAMSLANT	USA	USB,E, mv, wx	pt53
13149	1404	UHS	Murmansk R.	RUS	USB, YL id, RR tfc	wk08
13351	1447	OSU	Oostende R.	BEL	USB,E, wkg V2LR	pt53
15929	2234	DHJ59	Ny wilhelmshaven	D	USB clg DRAN rdock,no luckti47	ti47
16819,5	1615	NMN	USCG Camslant	USA	cw-nmn + sitor	pt53
16826	1057	ESA	Tallinn R.	EST	SITOR/A `de esa`+tlx mkr	pcG
16829	1056	USU	Mauripol R.	UKR	SITOR/A cw/tlx mkr	pcG
16909,7	1109	USO5	Izmail R.	UKR	cw manually wkg tfc	pcG
16942,5	1240	9AR	Rijeka R.	HRV	cw,vvv qsx	pt53
16987	1124	VRX	Hong Kong R.	HKG	cw-cq mkr	pcG

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17010	1129	TBO	Ny Izmir	TUR	cw-clg tbdj	pcG
17066,5	1150	A9M	Bahrain R.	BHR	cw-id+ditor	wk08
17066,5	1137	A9M	Bahrain R.	BHR	SITOR/A `globe R..`qtc +asking	
					for reports on the new Guam stn	pcG
17269	1436	SUH	Alexandria R.	EGY	USB, OM id, AA tfc	wk08
19685,5	1423	WLO	Mobile R.	USA	cw-id+ditor	wk08
19726	1432	A9M	Bahrain R.	BHR	cw-id+ditor	wk08
19755	1405	EHY	Madrid R.	E	USB, YL id, RR tfc	wk08

A E R O

2896	2200		Syktyvkar Volmet	RUS	USB wkg id, wx	ti47
2941	0052		Kiev Volmet	UKR	USB wkg wx for Krivurluk?	ti47
3407	2209		Aktybinsk Volmet	KAZ	USB wkg Ending!	ti47
3407	2255		Baku Volmet	AZE	USB wkg wx for Baku	ti47
3476	0615		Shanwick Aero	IRL	USB clg unid a/c, weak	ti47
3485	2257		Gander Volmet	CAN	USB wkg wx, very weak	ti47
4645	1625		Tallinn Volmet	EST	USB,E,Volmet	ti47+pt53
4718	1816	SIERRA18	RAF-Flight	AIR	USB wkg KINLOSS, rdock	ti47
4718	1817		RAF Kinloss	G	USB clg RESCUE-177, wx	ti47
4731	2303	MKL	RAF Pitreavie	G	CW wkg unid, taf-reports	ti47
4742	1830	ARCHITECT	RAF Upavon	G	USB wkg colorstat=5714-673	ti47
4976	1820		Reykjavik Aero	ISL	USB,E,wkg United	pt53
5450	1633	MVU	RAF Upavon Volmet	G	USB wkg wx for Northope	ti47
5450	1919		RAF Volmet	G	USB,E,volmet	pt53
5505	1913		Shannon Volmet	IRL	USB,E,ID	pt53
5517	2113	AYZ-9185	Atlant Soyuz	AIR	wkg Khartoum Regn:RA-6570I	ibG
5517	2039		Riyadh Aero	ARS	USB wkg Sana`a Aero	ibG
5517	0122		Tripolis Aero	LBY	USB,E,wkg Alitalia 837	pt53
5517	2337		Khartoum Aero	SDN	USB,E,clg Cairo	pt53
5517	0105		Sana`a Aero	YEM	USB,E,clg Addis	pt53
5541	2335		Stockholm R.	S	USB,E,wkg Virgin 271	pt53
5598	2345		Gander Aero	CAN	USB,E,wkg CFES	pt53
5598	2340		Shanwick Aero	IRL	USB,E,wkg Santa Maria	pt53
5598	0011		New York Aero	USA	USB,E,wkg Alitalia	pt53
5616	2340		Gander Aero	CAN	USB,E,wkg Connie 576	pt53
5616	2344		Shanwick Aero	G	USB,E,wkg DHL 012	pt53
5626	1430		UNID	?	cw manual tfc `ma90 de c78`	pcG
5637	0007		Bucuresti Aero	ROU	wx for a/c NSC	nr76
5658	1955		Bombay Aero	IND	USB,E,wkg Singapore 322	pt53
5670	1548		Chennai Aero (nice,ed)	IND	USB,E,wkg Quantas 123	pt53
5680	0855		Riga Rescue	LVA	USB clg LATAU, vessel?	ti47

5680	1347		Riga Rescue	LVA	USB,E,wkg UNID	pt53
5680	1629		Glücksburg Rescue	D	USB,E,clg DRHM	pt53
5680	1059		RAF Kinloss	G	USB wkg unid a/c	pt53+ti47
5680	1636		RAF Plymouth	G	USB wkg RESCUE-125, posrept	ti47
5680	1815	SIERRA18	RAF-Flight	AIR	USB wkg Kinloss Rescue	ti47
5680	1835	SIERRA125	RAF-Flight	AIR	USB clg Plymouth for QRT	ti47
5687	0744	01+02	GAF 041/B707	AIR	wkg DHM91 selcal CK-AE	wk08
5687	2129	Rescue6108	MFG Nordholz	AIR	wkg DHM91/Breguet Atlantic	wk08
5714	2100	ARCHITECT	RAF Upavon	G	USB wkg, wx, forecast	ti47
6556	1923		Jakarta Aero	INS	USB,E,wkg UNID	pt53
6560	1940	YDN	UNID	?	cw, vvv cq de ydn	pt53
6586	0016		Accra Aero	GHA	USB,E,wkg UNID	pt53
6628	2120	CSY	Santa Maria Aero	AZR	USB,E,wkg ORTIS	pt53
6637	0222		Transcolumbia 430	AIR	ctc Miami Aero	nr76
6676	2002		Sydney Volmet	AUS	USB,E,Volmet	pt53
6679	1553		Auckland Volmet	AUS	USB,E,fv, Volmet	pt53
6693	1809		Jekaterinburg Volmet	RUS	USB wkg wx-data	ti47
6730	0830	B4X	unid a-c, IAF or RPAF?	AIR	USB clg unid groundstation	ti47
6730	1810		Karaganda Volmet	KAZ	USB wkg id, wx-data	ti47
6739	0900	ARCHITECT	RAF Upavon	G	USB wkg wx-forecast	ti47
6739	2215		Unid USAF	?	USB clg HYCTUN for msg	ti47
8861	2246		Cubana 661	AIR	USB,Sp,clg Canarias	pt53
8879	1313		Ukraine-103	AIR	USB wkg Gander FL280	ibG
8894	1654		El Golea Aero	ALG	USB wkg Tamanrasset Aero	ibG
8894	0627	BCS-082	European AirTransport	AIR	USB wkg Algiers	ibG
8894	0125		Tripoli Aero	LBY	USB,E,wkg Spadbird	pt53

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8903	1551	9G-MKF	Zaire Express	AIR	USB	wkg	Kinshasa FL330	ibG
8903	1631	TJ-CBF	UNID	AIR	USB	wkg	N'djamena	ibG
8903	2200	KHO-397	Khors Air	AIR	USB	wkg	Luanda	ibG
8903	2047		Pointe Noire Aero	COG	USB	wkg	Libreville	ibG
8903	1951	TAR-880	Tunis Air	AIR	USB	wkg	Niamey FL350	ibG
8903	1719	9J-ROK	ROAN Air	AIR	USB	wkg	N'djamena	ibG
8903	1932	ANI-602	Air Atlantic Cargo	AIR	USB	wkg	N'djamena	ibG
8903	1937	TNY-503	Air Tangkanyika	AIR	USB	wkg	Kinshasa F350	ibG
8903	1623	SCI-124	Special Russian Cargo	AIR	USB	clg	Kinshasa	ibG
8903	2116	V5-SPF	Namibia-663	AIR	USB	wkg	Libreville B747	ibG
8903	2033	TNY-503	Air Tangkanyika	AIR	USB	clg	Khartoum Reg:EL-AKK	ibG
8903	1942	5N-EEO	UNID	AIR	USB	wkg	Kinshasa B707	ibG
8903	2110	TT-AAH	UNID	AIR	USB	wkg	N'djamana	ibG
8903	0036		Ndjamena Aero	TCD	USB,E,wkg		Springbok	pt53
8924	0208		LOT Warszawa	POL	ctc	LOT plane ...PB		nr76
8930	1305	BQ-836	Belstar	AIR	USB	clg	Stockholm,no reply	ibG
8960	0914	EI-CAM	TWA 843 (B767)	AIR	wkg	Porti., selcal AF-CG		wk08
8968	1649	CUW	USAF Lajes	AZR	USB	SKYKING DO NOT ANSWER		ti47
8968	1832	AFE3	USAF McDill	USA	USB	SKYKING DO NOT ANSWER		ti47
8992	2124	AFD14	USAF Ascension	ASC	USB	wkg REACH-307, wx		ti47
8992	2126	AFE3	USAF McDill, FL	USA	USB	wkg `20`, REACH-20?		ti47
9025	1205	DHJ59	Ny wilhelmshaven	D	USB	clg PATROL-06, no joy!		ti47
10069	0911	I-DEMN	ALITALIA AZA632	AIR	wkg	Bern selcal JK-GH/B747		wk08
10078	1447	OSU	Oostende R.	BEL	USB,E,wkg	V2LR		pt53
10315	1124	MAGIC-55	NATO-Awacs	AIR	USB	clg unid for rdock.		ti47
10315	1138	INY	AF Bari	I	USB	clg DHN66,no response		ti47
10315	1140	DHN66	NATO Geilenkirchen	D	USB	clg INY for rdock,ZGN		ti47
11175	1651	AJO	USAF Incirlik	TUR	USB	same as on 8968 before		ti47
11175	2104		USAF Bayonne, NJ	USA	USB	wkg REACH-09, posrep		ti47
11175	2106	AFE3	USAF McDill, FL	USA	USB	wkg JS-111, rdock		ti47
11175	2139	XPH5	USAF Thule	GRL	USB	wkg REACH-507		ti47
11205	2000	ARCHITECT	RAF Upavon	G	USB	wkg wx-forecast		ti47
11232	1656	CHR	AF Trenton	CAN	USB	wkg CANFORCE-06,posrept		ti47
11235	1215	DHJ59	Ny wilhelmshaven	D	USB	clg PATROL-06, to RTTY		ti47
11244	1643	XPH5	USAF Thule	GRL	USB	wkg WV-2160 pp toItaly		ti47
11247	1126	Architect	RAF Upavon	G	USB,E,wx	for Akrotiri,ID		pt53
11253	0747	MVU	RAF Upavon Volmet	G	USB	wkg wx for Marham		ti47
11300	1509		Cairo Aero	EGY	USB,E,clg	Khartoum		pt53
11300	1510		Khartoum Aero	SDN	USB,E,wkg	Cairo		pt53
11306	0613		Flight Support Lima	PRU	wkg	CONTINENTAL COA32		wk08
11345	1133		Stockholm Aero	S	USB,E,wkg	Swissair 7001		pt53
11396	1518		Bali Aero	INS	USB,E,ID	as Bali Control		pt53

D I G I T A L

518	1839		Split R.	HRV	ditor/NAVTEX			pbKA
518	1848		Oostende R.	BEL	ditor/NAVTEX			pbKA
518	1932		Stockholm R.	S	ditor/NAVTEX			pbKA
518	1951		Texel R.	HOL	ditor/NAVTEX			pbKA
518	1959		Brest R.	F	ditor/NAVTEX			pbKA
518	2018		Niton R.	G	ditor/NAVTEX			pbKA
2064	2153	FUB	Ny Brest	F	RTTY 75	wkg encrypted bcst		ti47
2121	2154		NATO naval Force	?	RTTY 75,encr.ship	to shore		ti47
2474	0034	PBC	Ny Noordwijk	HOL	RTTY 75	wkg CARB-msgs		ti47
2515	0036	TBA	Ny Ankara	TUR	RTTY 75	idling on let.shift		ti47
2607	0014	FUO	Ny Touon	F	RTTY 75	test		ti47+pbKA
2634	2200	DHJ59	Ny wilhelmshaven	D	RTTY 75	wkg encrypted bcst		ti47
2725	2205	IDQ	Ny Roma	I	RTTY 75	encr. bcst I11C		ti47
2815	0048	IDR	Ny Roma	I	RTTY 75	wkg CARB-msgs		ti47
2840	1800	DEG--	German MOI stn?	D	FEC/A/96/85	var GG msgs`degc		
2845	1840	PBB	Ny Den Helder	2032 de	degb 2011`	several stns		pcG
2892	2329	GYA	Ny whitehall	HOL	RTTY 75/850			pcG+ti47+pt53
3764,4	0625	PBB	Ny Den Helder	G	RTTY 75			pbKA
3766,2	2337	GYA	Ny whitehall	HOL	RTTY 75	wkg CARB-msgs		ti47
3832,7	2145	RFF--	FF Paris	G	RTTY 75			pbKA
4002	0105	YRR4	Meteo Bucuresti	F	ARQ342/200/400/2ch			pcG
4475	2228		Unid	ROU	RTTY 50	wkg AAXX-reports		ti47
				?	RTTY 75	idling on let.shift		ti47

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4489	0637	GFL26	Meteo Bracknell	G	RTTY 75 wkg AAXX-reports	ti47
4583	0639	DDK2	Meteo Quickborn	D	RTTY 50 wkg AAXX-bulletin	ti47
4813	2147	LZA8	Meteo Sofia	BUL	RTTY 50 wkg AAXX-rep.	pcG+ti47
4825	1700	RFF---	UNID FF?	F	ARQE/72/400 cont idle	pcG
4971,7	2115		UNID	?	144/85 cont? not FEC?	pcG
4972,4	2130		UNID German MOI?	?	ARQE/96/85 idle MOI back?	pcG
4991,7	2000	RFFVAY	FF Sarajevo	BIH	ARQ342/200/400/2ch	pcG
5000,4	1300		UNID German MOI?	?	ARQE/96/85 cont alpha idle	pcG
5000,9	1310		UNID German MOI?	?	ARQE/96/85 cont alpha idle	pcG
5023,2	0900		UNID German MOI?	?	ARQE/96/85 cont idle MOI?	pcG
5097,4	0652	CFH	Ny Halifax	CAN	RTTY 75 NAWS DE CHF ZKR Flti47	
5105,5	0945		UNID DCN?	?	PICC/6 2ch idle/crypto	pcG
5262,8	1730		UNID German MOI?	?	ARQE/96/85 idle (was BRVHF)	pcG
5263,5	1732		UNID German MOI?	?	ARQE/96/85 idle - several chs	
in this former group hrd idle - no tfc copied - then off						
5400	2102	YOG37	Meteo Bucuresti	ROU	RTTY 50 wkg AAXX-reports	ti47
5740	0950	RFF---	UNID FF	F	ARQE/72/400 `UAF` znr msg	pcG
5752,5	0855	HBD20	Berne MFA	SUI	SITOR/A 5ltr gps+`hbd20/6`	pcG
5757	0905	HBD20	Berne MFA	SUI	SITOR/A call up to emba.	pcG
6333,3	1753	IGJ43	Ny Augusta	I	rtty 100 bd mrk	pt53
6836,7	2200	RFTPA	FF N`Djamena	TCD	ARQE/200/400 to Paris	pcG
6848	1030		unid, Diplo?	?	RTTY 75 ending ZOK ZNN TKSti47	
6908,2	1740		UNID	?	ARQ-M-200, F, Text	pt53
6954	1040	RF---	UNID FF?	F	ARQE/72/400 cont idle+off	pcG
7642,7	1050	RFF--	FF Paris	F	ARQ342/200/400/2ch day freq	pcG
7822,2	NIGHT	RF--	FF Paris	F	ARQE3/200/400idle all night	pcG
7841,7	1745	5ST	Tananarive Aero	MDG	ARQE/96/400 idle	pcG
8090	1720		UNID Russian?	RUS	CROWD36 - 36 tone MFSK	pcG
8151	0836	IGJ	Ny Augusta	I	RTTY 75 wkg CARB-msgs	pt53+ti47
10100,8	0844	DDK9	Meteo Quickborn	D	RTTY 50 wkg id RY, new QRG	ti47
10424	0859	YMA20	Meteo Ankara	TUR	RTTY 50 wkg id RYRY	ti47
11052	1500	G8T	F Emb Beograd	YUG	FEC-A-192,id,msgs to MFA	pt53
11063	1520	LZU2	Sofia Meteo	BUL	RTTY 50/400,wx,no id	pt53
11107	1550		POL Emb F or MFA	?	POL-ARQ 100 bd, cl msgs	pt53
11110,5	0907	RFLI	FF Fort de France	MRT	ARQ-M-192, contr. de voie	pt53
11117	1038	DFZG	MFA Belgrad	YUG	RTTY 75 end of tfc, QTC Nwti47	
11123	1039		NATO air-ground comms	?	RTTY 75 encrypted transm.!	ti47
11453	0940	IMB	Rom Meteo	I	rtty 50 wx	pt53
12216	0910	SNN299	MFA Warszawa	POL	RTTY 100 wkg diplo-nx POL	ti47
12857	1805	6WW	Ny Dakar	SEN	ITA2/75/850`le brick`+ry/sg	pcG
13560,5	0955	TCY	AA Ankara	TUR	rtty 50, nx in F	pt53
14510,5	1620	MKK	London DCN	G	PICC/6 2ch op - chat ch1	pcG
14575	0840	P6Z	Paris(RFGW) MFA	F	FEC/A/192/400`rz944 de p6z`	pcG
16072,5	1106	MUH	UNID DCN?	?	PICC/6 2ch`mkd de muh` ch 1	pcG
16106,9	1115	SAM	Stockholm MFA	S	SWED-ARQ/100/400 5ltr gps	pcG
16163,6	1220		UNID African net	?	COQ/8 several stns, Kampala,	
Dar., Libreville, with FF msgs						
16951,5	1120	6WW	FNy Dakar	SEN	ITA2/75/850 ry/sg test mkr	pcG
16961,5	1110	FUF	FNy Ft.-de-France	MRT	ITA2/75/850 ry/sg test mkr	pcG
17020	1130	UDK2	Murmansk R.	RUS	ITA2/50/170 tfc+cw later	pcG
18320,7	1230	RFTJ	FF Dakar	SEN	ARQE3/192/400to Libreville	pcG
20841,5	0920		UNID	?	SITOR?a selcal`ppvc` cont.	pcG

T I M E S I G N A L

2500	0035	ULA4	TS Tashkent	UZB	cw-timesynch.	ti47
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Q S L - R E V I E W

ITU-Station	Days	rcvd/gvn	QRG	Callsign	Power	Name
AFS-Durban R.	33	lt,ppc/vc,USD	8740	ZSD	10000 w	pt53
ALB-NDB Tirana-Rinas	21	ppc,lt/USD back	290	`TR`	500 w	zeTC
AUS-Townsville R.	21	lt/vc,USD	8452	VIT	1000 w	pt53
AUS-Townsville R.	10	lt/pps	8452	VIT	1000 w	pcG
D -NDB Berlin-Tegel	41	ppc	321	`GL`	25 w	pbKA
D -NDB Berlin-Tegel	41	ppc	392	`RW`	100 w	pbKA
D -NDB Berlin-Schoenef.	41	ppc	309	`MW`	100 w	pbKA
D -NDB Berlin-Schoenef.	41	ppc	299	`SL`	100 w	pbKA
D -NDB Friedland	41	ppc	292	`FLD`	100 w	pbKA

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D -NDB Luebeck	19	ppc	394	`LYE`	25	w	pbKA
D -NDB Diepholz	5	ppc	325	`DP`			pbKA
D -NDB Solling	10	ppc	374,5	`SOG`	100	w	pbKA
DNK-NDB Billund	11	ppc,infos	395	`GE`	5	w	pbKA
DNK-NDB Kolding	8	cd,infos	357	`KD`			pbKA
DNK-NDB Odense	7	cd,i	423	`FE`	25	w	pbKA
DNK-NDB Thisted	6	ppc,infos	394	`TW`	15	w	pbKA
EST-NDB Tallinn/Ulemiste	20	ppc	386	`LK`	300	w	pbKA
F -AF Nice	16	f/d lt via Orleans	7671.5	FDI8	400	w	ai47
F -AF Bordeaux	16	f/d lt via Orleans	7805	FDG	400	w	ai47
F -AF Contrexeville	16	f/d lt via Orleans	5762	FDE14	400	w	ai47
F -AF Metz	16	f/d lt via Orleans	5446.5	FDC	400	w	ai47
F -Grasse R.	9	f/d lt,i	????	TKM			lrG
FNL-NDB Halli-India	9	lt,i(ppc not used)f/up	412	`I`			zeTC
FNL-NDB Halli-Janne	9	lt,i(ppc not used)f/pu	404	`JAN`			zeTC
FNL-NDB Halli-Kilo Victor	9	lt,i(ppc not used)f/up	385	`KV`			zeTC
FNL-Turku R.	21	f/d lt faxed rpt	2182	OFK			lrG
FNL-Turku R.	15	lt,ppc	2182	OFK	10000	w	ai47
G -Navtex Niton R.	11	cd/USD back	518	GNI	2000	w	pbKA
G -NDB Blackbushe	13	f/d lt/SAE	328	`BLK`			lrG
G -NDB Birmingham	20	f/d lt/SAE	406	`BHX`			lrG
G -NDB Bristol	22	f/d lt/SAE	380	`BRI`	50	w	lrG
G -NDB Bournemouth	7	f/d comp. slip	339	`BIA`	30	w	lrG
G -NDB Cardiff	2	f/d lt/SAE	388.5	`CDF`	80	w	lrG
G -NDB Plymouth	6	f/d lt/SAE	396.5	`PY`	20	w	lrG
G -NDB Northampton	8	f/d lt/SAE	378.5	`NN`			lrG
G -NDB Brize Norton	8	f/d lt/SAE	386	`BZ`			lrG
G -NDB Nottingham	10	f/d lt/SAE	430	`NOT`			lrG
G -NDB Middle wallop	?	f/d lt/SAE	376	`MW`	20	w	lrG
G -NDB St. Mary`s	7	f/d lt/SAE	321	`STM`	105	w	lrG
GRC-Ny Piraeus	51	f/d cd,i,ham-cd f/up	6470	SXA24			lrG
GUM-USCG Guam	39	cd,lt/vc,USD	16812,5	NRV	5000	w	pt53
HOL-Navtex Texel R.	40	ppc,i,map	518		500	w	pbKA
HRV-Navtex Split R.	18	ppc,lt	518	9AS	1000	w	pbKA
ISL-Vestmannaeyjar R.	18	ppc,cd,i/SAE,IRC	1713	TFV	1500	w	gsLX
IW -FGS Bad Rappenau	29	ppc,fo,i f/up	3116	DREZ			ai47
IW -NDB 2/4 TOR	11	ppc,i	375	`TR`	25	w	pbKA
IW -NDB Gorm C	7	ppc,i	615	`OM`			pbKA
IW -FGS Elbe	182	QSL,ppc/SASE	10192.5	DRHJ	1000	w	gsLX
IW -Fishguard Lifeboat	17	ppc,lt/SASE	2182				gsLX
IW -Llandudno Lifeboat	30	ppc,photo/SASE	2596				gsLX
IW -RV Simon Labrador	39	ppc,lt,photos/SASE	2182	C6DQ3			gsLX
MRC-NDB Nador	59	ppc,vc (hrd in POR)	414	`NDR`	50	w	ai47
NOR-Bergen R.	18	lt,i f/up	2182	LGN			lrG
POL-NDB Goloniow	18	f/d cd	285	`O`	100	w	pbKA
POL-NDB Szczecin	18	f/d cd	590	`OL`	200	w	pbKA
POR-NDB Arruda	49	ppc (hrd in POR)	382	`LAR`	100	w	ai47
POR-NDB Cabo Espichel Lt.	45	ppc (hrd in POR)	308	`PI`	100	w	ai47
POR-NDB Caparica	49	ppc (hrd in POR)	389	`CP`	1000	w	ai47
POR-NDB Faro	49	ppc (hrd in POR)	332	`FAR`	1000	w	ai47
POR-NDB Lisboa	49	ppc (hrd in POR)	401	`LO`	100	w	ai47
POR-NDB Porto	49	ppc (hrd in POR)	327	`POR`	1000	w	ai47
S -NDB Linkoeping	7	ppc	277	`T`			pbKA
S -NDB Halmstad	11	ppc	421	`HS`	100	w	pbKA
S -NDB Grebbestad	10	ppc	418	`GRE`	100	w	pbKA
S -NDB Corner	12	ppc via cen.-ads	388	`COR`			pbKA
S -NDB Aengelholm	7	ppc	417	`AH`			pbKA
S -Tindstade R.	37	QSL-cd/SAE,IRC	2182	SAE			gsLX
USA-Chatham R.	47	cd via Globe wirel.	16817	WCC			lrG
USA-San Francisco R.	36	cd via Globe wirel.	17016	KPH			lrG
USA-USCG San Francisco	50	f/d cd,i f/up	8764	NMC			lrG
UZB-TS Tashkent	214	f/d cd via Moskow	5000	ULA4			ai47

ppc=prepared card, lt=letter, i=information, fo=photo, sti=sticker, vc=viewcard,

cd=card, irc=international reply coupon, ms=mint stamps, rp=return postage, sked=schedule, sase=self addressed and stamped envelope, sae=self addressed envelope, f=folder, f/d full detailed, USD=US Dollar, c/a=central address

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Membership and Money corner:

A note from the treasure: Due to renew (11-97) for the following Gentlemen:  
hb31/fd40/bg48/km40/mo76/rp47/hs61/sw67 --- For 12-97: ua58 and fgI

Fee received from ps50. Also many tnx for your donation, dear Peter!!!

To pb40: Sorry dear Peter, I`m unable to publish your NDB logs. You used again many of the old frequencies, which had been changed several years ago!!! I would appreciate if you use an up-to-date NDB list. Mny tnx!

To dmRU: Only your NDB logs! Others will be published in 1-98. Space problems!!!

To mo76: Sorry Michael, your logs will also be in EUNL 1-98. Space problems!!!

Inquiries Department:

OM Hans-Peter (pt53) asks for the new address of the south-african Cape Naval R./ZSJ+ZRH. He got is report back using the following address: Commcen Cape, Signal Officer, Private Bag, wynberg 7824. Anyone who can help??

He is also looking for the new address of Hongkong Volmet. RR back from Civil Aviation Department, UNITED Centre, 10th Floor, 95 Queensway, Hongkong. Anyone?

Addresses/Infos/Veri-signers:

IMPORTANT: cf EUNL 11-97: A typing error by OM gsLX: The address of CROSS CORSEN in EUNL 11-97 was not correct! The right address for this station is: C.R.O.S.S.

Corsen, Pointe de Corsen, F-29810 Plouarzel. The mentioned address is only for CROSS Med, La Garde! (Sry de gsLX!!!) (This is only for the members who get the paper edition. I made this correction in the Internet version on 22nd Oct.-ed)

Here is a list of CROSS (Centres Regionaux Operationnels de Surveillance et de Sauvetage) stations:

CROSS Gris-Nez	Manche Est Pas-de Calais
CROSS Jobourg	Manche Central
CROSS Corsen	Manche Ouest
CROSS Etel	Atlantique
CROSS La Garde	Mediterranee
CROSS Fort-de-France	Antilles

CROSS Etel, Avenue Louis Bougo, 2 Chateau de la Garenne, 56410 Etel

CROSS Jobourg, B.P. No. 218, 50442 Beaumont

SOUS-CROSS Soulac 23, Boulevard de l`Amelie, B.P. 35, 33780 Soulac.

Plymouth Rescue and Kinloss Rescue have left 5680 kHz for their contacts with Rescue Helicopters due to interference with an arabic Clandestine station and a Jammer. New freq`s should be: 4718 kHz, 4721 kHz, 4724 kHz, 4745 kHz, 5178 kHz, 5270 kHz, 5705 kHz and 6691 kHz. (all by pt53)

Concerning dmRU`s request on NDB-Internet URL`s, here is the input:

<http://promet12.cineca.it/htdx/swls/ndb.html> (by gsLX)

<http://web.inter.NL.net/hcc/Cor.vanSoelen/Noframes.htm> (by gsLX)

<http://web.inter.NL.net/hcc/Cor.vanSoelen/Radio.htm> (by abNL)

Solved unidentified NDB`s (cf. EUNL 9-97):

NDB LS on 332 kHz is Ulyanovsk, RUS (mo76)

NDB AA on 965 khs is Kazan 5536N 4917E (zeTC)

NDB WM on 1684 kHz is only a harmonic of WM on 421 khz. (mo76)

NDB DS on 350a kHz is DSA on 351 kHz. (mo76)

New address for Shanghai R./XSG: 1506 Floor, 700 Dong Da Ming Road, 200 080

Shanghai v/s = Zhou Guo Yao, (pt53)

Iceland: Ads of the US-met. Fax station is: NRK US Met-Station: COMICEDEFOR, Box 1, 235 Keflavik Airport. v/s = Heinz G. stroebel. (OM SSW via pt53)

NDB Birmingham/BHX: NATS, Old Terminal Building, Birmingham Int. Airport (Cargo), Birmingham B26 3QN (v/s=Malcolm Holt, Engineering Manager) (lrG)

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NDB Brize Norton/BZ: GRMS, CIS ENGH Flt, RAF Brize Norton, Caterton, Oxon OX8 3LX (v/s = A. M. Green)(lrg)  
NDB Middle Wallop/MW: SAAVN, Middle Wallop, Stockbridge, Hants SO20 8DY (v/s = M. York, Senior ATC Engineer)(lrg)  
NDB Cabo Espichel Lt./PI: Direccao de Faroís, Estrada Marginal, Paco de Arcos, P-2780 Oeiras (ai47)  
NDB POR (Aero): Direccao de Exploracao da Navegacao, Aerea para a Regiao de Lisboa, Ana EP Rua C, Edificio 118 Aeroporto, P-1700 Lisboa (ai47)  
NDB Nador/NDR: Office National des Aéroports, Le Commandant de l'Aéroport, Aéroport Nador-Taouima (ai47)  
Grasse R./TKM: France Telekom, CRM Marseille, Pole Grasse Quartier, Roquevignon 06335 Grasse Cedex (lrg)  
Turku R./OFK: Turku Maritime Traffic Centre, Turku Radio OFK, SF- 21670  
Paernaainen (v/s = Goeran Holstroem)(lrg/ai47)  
Townsville R./VIT: direct RR, reply via Melbourne (v/s Station Coordinator Roger

Boyden) (pt53)

Durban Radio/ZSD: Private Bag X806, New Germany 3620, (v/s Lindsay Lines) (pt53)  
USCG Guam/NRV: Commanding Officer, USCG Communications, Area Master Station Pacific Pt. Reyes, 17000 Sir Francis Drake Blvd., P.O.Box 560, Pt. Reyes Sta., CA 94956-0560 (v/s J.E. Mize, Master Chief Petty Officer) (pt53)  
Fishguard Lfb.: Bryn-Y-Graig, Quay Road, Goodwick, Pembro, Wales SA64 0BS (v/s Chris Williams, Mechanic) (gsLX)  
Gotland Rescue Center/Tingstäde Radio: S- 621 86 Visby, Sweden (E-mail:tdera.mkg@gotlandica.se) (gsLX)  
Llandudno Lfb: Lloyd Street, Llandudno, Gwynedd, Wales (v/s Ian Jones, Coxswain)(gsLX)  
RV Simon Labrador/C6DQ3: Denholm Ship Management Ltd., The Parks, 107-115 Milton

Street, Glasgow G4 0DN (v/s Capt. Derek Newton)(gsLX)

Vestmannaeyjar R./TFV: Postur og Simi Vestmannaeyjum, Iceland (gsLX)  
French Air Force/Central address: Systemes de Surveillance, d'Information et de Communications, ERGE 10.538, Base Aérienne 123, F-45037 Orleans cedex (ai47)  
TS Tashkent/ULA4: Russian State Time and Frequency Service, Institute of Metrology for Time and Space (IMVP), NPO „VNIIFTRI“, Moscow Region, Mendeleev 141570, RUSSIA (ai47)  
Direct ads for this station should be: Radiotzentr, Kuibyshev Chaussee 16, 700 000 Tashkent, Uzbekistan (OM SSW via pt53)

Verisigners:

NDB Tirana/TR = Ilir Zuna, Chief of Aera Control Centre Rinas Airport (zeTC)

FNL NDB`s = Mika Taipalus, Air Traffic Controller (zeTC)

NDB Blackbushe/BLK: J.S. Marshall, Airport Manager (lrg)

NDB Bristol/BRI: v/s = G.E. Morgan, Technial Services Manager (lrg)

NDB Bournemouth/BIA: v/s = Alex Fosterm Senio ATC Engineer (lrg)

NDB Cardiff/CDF: v/s = Keith Meakin, ATS Manager (lrg)

NDB Plymouth/PY: v/s = Andy Pink, Airport Supervisor (lrg)

Ny Piraeus/SXA24: v/s = Emmanuel Hatzikostas, Manager Radio Section (lrg)

Thanks for the nice work of the following (14) human beings: dmRU, gsLX, lrg, rk50, pcG, nr76, pt53, zeTC, ti47 (ti26 in wilhelmshaven), wk08, mo76, pb40 (as pbKA), pt53, ai47 (The greatest numbers of contributions!!!!!!  
Mny tnx!!!!!!)

gd dx + 73`s