

UTNL1991

Allen geneigten und ungeneigten Lesern dieses Blattes wnsche ich ein schönes neues Jahr. Das neue Jahr hat offensichtlich neuen Schwung gebracht, wie an den zahlreichen nachstehend aufgeführten Beiträgen zu erkennen ist:

N O N D I R E C T I O N A L B E A C O N S

286	1914	HFX	Hohenfels	D	id	56	fd83
288.5	1920	NU	Neubiberg	D	id	54	fd83
291.5	1937	KL	Nos Kaliakra Lt.	BUL	id+ton	31	fd83
292	2242	MLL	Melilla (congrats-ed)	MEL	id 1782km	32	pcG
293a	2114	SD	Unid		id	42	fd83
294.2	2126	AH	Altacarry Head Lt.	G	id+ton	21	fd83
294.2	2127	LG	Eilean Glas Lt.	G	id+ton	11	fd83
295	2230	CLN	Clacton	G	id	43	pcG
305.7	2342	MC	Santa Maria di Leuca Lt.	I	id+ton	31	fd83
305.7	2344	VS	Vieste Lt.	I	id+ton	31	fd83
308	2318	GL	Giraglia Lt.	I	id+ton	53	fd83
310	1627	NSN	Tauberbischofsheim	D	id+ton	42	fd83
310.3	0022	FI	Cabo Finisterre Lt.	E	id+ton	42	fd83
310.3	2328	VI	Cabo Villano Lt.	E	id+ton	53	fd83
311	0030	RD	Trieste Lt.	I	id+ton	52	fd83
312.6	2007	RB	Cherbourg Lt.	F	id+ton	21	fd83
313.5	1642	BN	Cap Bon Lt.	ALG	id+ton	54	fd83
315	2155	FS	Lvov	URS	id	32	nr75
326	0040	RSH	Dublin/Rush	IRL	id	weak	fd83
327	2235	Y	Sveg	S	id	33	js33
328	2238	VH	Vilhelmina	S	id	43	js33
328a	0555	UH	Unid, siehe VH 328 ed	S	id	22	nr75
331	2315	KAN	Kangasniemi	FNL	id	21	fd83
333	2326	LE	V„sterfs/Hasslo	S	id	22	pcG
333a	2325	EAL	Unid	SAL	Salon/F on 334?	22	pcG
335	0031	WCO	westcott	G	id	42	fd83
336	2319	MTL	Monte Real	POR	id	32	pcG
336.5	1800	BLK	Banja Luka auf 340? ed	YUG	id+ton	31	fd83
337	0023	MY	Myggenes	FAR	id	42	fd83
339a	2307	AY			id	42	fd83
340	0014	VLC	Valencia	E	id	31	fd83
341	2320	IS	Ajaccio	F	id+ton	33	nr75
344	0007	OLD	Oldham	G	id	31	fd83
351	2347	CST	Palma/Costix	E	id	53	fd83
353	2342	PRV	Preveza	GRC	id	31	fd83
354	2220	VIL	Verona	I	id	33	nr75
354	2304	NG	Nimes/Garons	F	id+ton	42	nr75
356.5	0030	MN	Unid		id	53	fd83
360	2112	DW	wickede DWI auf 357? ed		id	33	nr75
360	2245	ELB	Elba	I	id	31	fd83
361	0055	LIE	Turku	FNL	id	31	fd83
363	2314	SCF	Schweinfurt	D	id	32	fd83
365	2307	AU	nicht Albuskjell! ed		id	32	nr75
367	0135	JEY	Jersey	G	id	54	fd83
371	2116	LEV	Cuneo/Levaldigi	I	id	22	nr75
372	0053	ODR	Kjevik/Odderoy	NOR	id	54	fd83
374.5	2013	ANC	Ancona	I	id	32	pcG
376.5	2100	ORI	Orio-al-Serio	I	id	32	pcG
377	2044	AOS	Aberdeen	G	id	33	pcG
378	2016	KLY	Killiney	IRL	id	33	pcG
378	2210	RK	Unid		id+ton	54	fd83
378	2220	MC	Mnchen/west	D	id	57	fd83
380	2130	LF	Ronneby	S	id	22	nr75
381	0005	SIB	Sibiu	ROU	id	53	fd83
381	0209	LCZ	Murcia	E	id	22	nr75
382	0045	EGN	Elefsis/Aegina	GRC	id	11	fd83
382	0045	GAZ	Verona	I	id	54	nr75
384	0235	RK	Ras-al-Khaimah ?		id+ton	22	nr75
385.5	2217	ARF	Arifiye	TUR	id	31	fd83
387.5	0012	CT	Ajaccio/Corse	F	id+ton	54	fd83
389	2135	RK	Turku	FNL	id	22	nr75

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392	2052	RW	Berlin/Tegeł	D	id	32	pcG
392.5	2130	BX	Mende-Brenoux	F	id+ton	33	pcG
394	2056	PFF	Pferdsfeld	D	id	32	pcG
395	2346	LAY	Islay/Port Ellen	G	id	31	fd83
395.5	2327	SEP	Seppi	FNL	id	11	fd83
396	2322	ME	Manchester	G	id	52	fd83
396a	2330	SON	im Angebot sind RON Ronchi/396 und Hon LBY 397			32	js33
397.2	2140	DHE	Helgoland	D	id+ton	43	nr75
399	2315	NGY	New Galloway	G	id	53	fd83
400	2310	STU	Strumble	G	id	42	fd83
401	2151	PTC	Porto Colom	E	id	33	nr75
401	2230	SLB	Slavonski Brod		id	21	fd83
401a	0100	HRN	Bournemouth/Hurn	G	id	42	fd83
402	2245	ORW	Paris/Orly	F	id	31	fd83
403	2243	LPS	Les Eplatures	SUI	id	31	fd83
407	0106	GAR	Garristown	IRL	id	31	fd83
408.5	1302	FY	Finningley	G	id	42	js33
410	2220	BO	Boden	S	id	32	js33
416	0154	MTA	Malta	MLT	id	24	zeTC
416	2125	MTA	Malta	MTA	id	52	fd83
418	0150	ORA	Oradea	ROU	id	35	zeTC
421a	2127	GJ	Unid		id	33	nr75
425	0146	DNC	Demanovici	YUG	id+ton	35	zeTC
429	2055	OBI	Oberpfaffenhofen	D	id	21	fd83
432	0142	CA	Bobrka	URS	id	24	zeTC
440	2030	TRG	Targovishte	BUL	id	33	pcG
440	2035	DRE	Drezdenko	POL	id	32	pcG
460a	0113	BL	Unid		id	33	nr75
475	2330	SN	Unid		id+ton	43	nr75
490	2232	LD	Staryava	URS	id	22	pcG
492	2039	TBV	Moravska Trebova	TCH	id	22	pcG
510	0057	ST	Sint Truiden	BEL	id+ton	24	zeTC
510	0058	HO	Colmar/Houssen	F	id+ton	35	zeTC
510	0113	SN	Saint Yan	F	id+ton	13	zeTC
517	2333	ARD	Arad	ROU	id	33	zeTC
519	2343	DL	Unid		id	33	zeTC

fd83 war fd40 auf Tour mit NRD 525 und 200 Metern Draht.
 Bemerkungen von js33 zu 12/90: SHM auf 333 war definitiv SHO. Änderung des
 id von Shoreham? OE war Inde J Plattform
 über die SUI-NDB Les Eplatures herrscht Klarheit: Frequenz ist 403 kHz mit
 25 W (40nm). Koordinaten 47.05.06 N und 06.47.41 E (Info via nr75).

M A R I T I M E

484	2049	YUS	Split R.	YUG	cw-safety msg	44	pcG
500	1715	EAV	Cabo la Nao R.	E	cw-	44	pcG
500	2028	DAO	Kiel R.	D	cw-cq	43	pcG
500	2030	GPK	Portpatrick R.	G	cw-cq	44	pcG
500	2107	CNP	Casablanca R.	MRC	cw-clg DUKD	43	pcG
500	2121	7TA	Algier R.	ALG	cw-	43	pcG
500	2125	EAS	Cabo Peñas R.	E	cw-	44	pcG
1643	1606	IQA	Augusta R.	I	I/E wkg	34	zeTC
1705	2023	IPP	Palermo R.	I	I wkg	46	zeTC
1743	2004	LGN	Bergen R.	NOR	NOR wkg	35	zeTC
1778	1706	OXJ	Tórshavn R.	FAR	clg all ships	0=3	nr75
1876	0154		Lampedusa R.	I	I wx	0=3	nr75
2182	0136		Tunis R.	TUN	clg ship	0=4	nr75
2182	1005		Rhinns of Islay Lt.	G	E wkg Malin Head R.	22	hb31
2182	1009		Hyskeir Lt.	G	E wkg Malin Head R.	22	hb31
2182	1118	MCQT8	Stromness Lb.	IWA	E wkg wick	32	js33
2182	1138	GJLT	Kirkwall Lb.	IWA	E wkg wick	32	js33
2182	1911	OFH	Mariehamn R.	FNL	FIN clg SQQF	47	zeTC
2182	2258		Aberdeen CGR.	G	qsy 2226	0=3	nr75
2410	0642	TXU	Saint Pierre R.	SPM	E/F wx	0=2	nr75
2598	0054	VCP	Saint Lawrence CGR.	CAN	E gale warning	0=2	nr75
2598	0133		Saint John's CGR.	CAN	E gale warning	0=2	nr75

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2598	0518	VCC	Sydney CGR.	CAN	E gale warning	0=2	nr75
2598	0633	VOO	Comfort Cove CGR.	CAN	E gale warning	0=3	nr75
2722	1918	ICB	Genova R.	I	I wkg		57 zeTC
2730	2137	SVL	Limnos R.	GRC	E/GR wx	0=3	nr75
4072.5	0704		Donaufunk	AUT	wkg ship	0=3	nr75
4222	1738	XSN	Ningbo R.	CHN	cw-tfc list		22 js33
6383.5	1934	6VA4	Dakar R.	SEN	cw-cq		32 pcG
6445	1410	UFL	Vladivostok R.	URS	cw-cq		34 hb31
6495.5	2127	UFL	Vladivostok R.	URS	cw-de SITOR		35 zeTC
8437	2315	9WH	Kota Kinabalu R.	MLE	cw-cq		22 hb31
8471.7	1955	SUP	Port Said R.	EGY	cw-vvv cq		43 pcG
8472	2201	TEC	Ocean R.	CTR	cw-cq		32 pcG
8539	1805	VPS	Cape d'Aguilar R.	HKG	cw-de		56 hs33
8628.5	2213	NOJ	USCG Kodiak	ALS	cw-cq		22 pcG
8696	1900	ZAD2	Durres R.	ALB	cw-vvv cq		33 nr75
8722	2211	LPL51	Generale Pacheco R.	ARG	S vm-f + mm		34 zeTC
8753.5	0000	LPC	Ushuaia R.	ARG	E/S vm-f	0=2	nr75
12753	1732	CKN	CF Aldergrove	CAN	cw-vvv		33 hs33
12876	1646	VAI	Vancouver CGR.	CAN	cw-cq		33 hs33
12969	1545	XSV	Tianjin R.	CHN	cw-cq		33 nr75
12970.5	1758	SUH4	Alexandria R.	EGY	cw-cq		43 pcG
13042	1416	XVS	Ho-chi-Minh-Ville R.	VTN	cw-cq tfc		23 hb31
13100.8	1812	EHY	Pozuelo del Rey R.	E	S vm-m		57 fd40
16861.7	1035	PKD	Surabaya R.	INS	cw-cq		22 pcG
16865	1530	UJY	Kaliningrad R.	URS	cw-cq		55 hb31
16977	1200	OMP	Prague R.	TCH	cw-cq		54 nr75
17007.5	1721	KLB	Seattle R.	USA	cw-cq		22 pcG
17043.2	1001	JCU	Choshi R.	J	cw-cq		55 hs33
17190.5	1103	UHK	Batumi R.	URS	cw-		44 pcG
17236	1550	5BA62	Cyprus R.	CYP	E/GR vm-f		58 fd40
17239.9	1515	WOM	Pennsuco R.	USA	E wkg MS Gitane		53 fd40
17245.3	1355	WOO	Ocean Gate R.	USA	E vm-m		56 fd40
17325.9	0900	BVA	Taipei R.	TWN	E/CH vm-f	0=2	nr75
17325.9	0904	YIR	Basra R.	IRQ	clg ship	0=4	nr75
17356.5	1415	WLO	Mobile R.	USA	E vm-m		55 fd40

A E R O N A U T I C A L

5680	0829		Koksijde Rescue	BEL	E wkg a/c	43	hs33
6643	0517		Berna R.	SUI	E wx for "BCY"		zeTC
6683	2010	JWT	NOR Mil Stavanger	NOR	E wkg Norwegia	5049	58 mm35
6685	2140	RFNV	Moscow Air	URS	cw-cq		44 pcG
8873	0150		N'Djamena Air	TCD	E wkg Aeroflot		54 hb31
8879	1641		Tananarive Air	MDG	E clg a/c	0=2	nr75
8879	1652		Lilongwe Air	MWI	E clg Nairobi	0=2	nr75
10036	2310		Puerto Montt Air	CHL	S clg Santiago	0=2	nr75
11176	1437		USAF Incirlik	TUR	E wkg AF2		57 fd40
11354	2015		LDOD Manama Gulfair	BHR	E wkg Gulf 044		57 mm35
11387	0904		Sydney Volmet	AUS	E volmet		33 zeTC
11390	0903		Moscow Air	URS	OM id		33 zeTC
13231	1422		CF Lahr	D	E wx		57 fd40
13306	1343		Santa Maria Air	AZR	E wkg 9BHJ		58 fd40
13351	1018		Praha Air	TCH	wx to a/c		54 hb31
18018	1520		RAF Cyprus Flightwatch	CYP	E wx		55 mm35

F I X E D B A N D S

3592	2211	"P"	Beacon Kaliningrad	URS	coded RTTY		fmI
Coded RTTY, then "P", then short coded CW by UMS, Soviet Navy, then into "P" again. Seems that this beacon is a channel marker (fmI)							
4632.5	0132	FSB53	Interpol Paris	F	cw-SITOR	45	zeTC
5780	0840		TASS	URS	R slow speed nx	48	zeTC
6910	1116	FDC	FAF Metz	F	cw-vvv	34	zeTC
6913	1118	DHJ59	G Ny Wilhelmshaven	D	cw-vvv	57	zeTC
6930	1700	EBA	E Ny Madrid	E	cw-cq & wx	46	zeTC
7335	0800	CHU	TS NRCC Ottawa	CAN	E/F anns & ts	33	zeTC

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7512.5	1241	JXL	LORAN BÍ	NOR	E wkg TFR2	55	hs33
7634	0049	AGA2LA	MARS Langley	USA	E clg AFQ379	44	hb31
7705	0801	AOK	US Ny Rota	E	cw-cq multicall	44	zeTC
7870	0923	AUS1MLB	IPS Beacon AUS1MLB	AUS	id + tone	33	hs33
7870	1003	AUS1MLB	IPS Darlinghurst	AUS	//10407/14405/14485	42	js33
7964	0001	PWH33	DHN Trindade	TRI	cw-vvv by hand	33	nr75
8099	1746	CNR	PTT Rabat	MRC	A/VERN simplex tfc	45	zeTC
8117	1557	BMB	Taipei Meteo	TWN	cw-vvv & wx	44	hs33
9115	2335		R.Continental	ARG	S x-mas px	57	hb31
10038	1655	TAD58	TUR EMB London	G	cw-msgs to Ankara		amG
13858	1650	TAD57	TUR EMB Stockholm	S	cw-clg TAD		amG
14485	1313	AAR5NSF	MARS Unid	USA	E wkg AEM3WC	54	hb31
20000	1641	WWV	TS NSB Fort Collins,CO	USA	E anns & ts	33	zeTC
20066.6	1200		Portishead R.	G	E wkg a/c	59	mm35
20678.5	1530	NNN0YGQ	MARS Greer, SC	USA	E wkg N0CYY	57	hb31
20940	1001	AEM1ELN	MARS Unid	USA	E wkg AEM3UC	53	hb31
20940	1205	AAR3USI	MARS Unid	USA	E wkg AEM3UB	58	hb31
20940	1426	AAT3USW	MARS Unid	USA	E wkg AEM3WD	57	hb31
20945a	1256	8BY	Bandung Air (?)	INS	cw-vvv	45	zeTC
20994	1345	AAT7ME	MARS Joplin, MO	USA	E wkg AEM1QF	56	hb31
20994	1449	AAR4USD	MARS Fort Jackson	USA	E wkg AEM3USB	56	hb31
20994	1450	AAR1JW	MARS Yarmouth Point	USA	E wkg AEM1QF	55	hb31
20994	1634	AAR5NSF	MARS Unid	USA	E wkg AEM3USG	43	js33
23750	0930		UN AUSBATT Cyprus	CYP	G wkg HQ	57	mm35

R A D I O T E L E T Y P E

4060	0000	VVD54	Delhi Meteo	IND	ry & wx	50	amG
5148.5	1620	RETWBZ	Guardia Civil Zaragoza	E	S to Malaga	SIT-A	amG
5804	0600	9GC	Accra Air	GHA	ry testing	50 33	js33
5847.5	1648	RFFZEVM	FF Montargis Deux	F	F encryp	ARQ-E 72	amG
6736	2149	ETD3	Addis Air	ETH	qra	50 43	pcG
6941.5	2040	TRK	Libreville Air	GAB	testing	50 33	pcG
6943	2100	5TX	Nouadhibou Air	MTN	aero msgs	ARQ-E3 48/425	pcG
7446.4	1700		I EMB Abu Dhabi	UAE	to Rome	SIT-A	amG
7625.8	2348	TZH	ASECNA Bamako Air	MLI	ry	50	amG
8872.2	1715	TAD	MFA Ankara	TUR	TUR nx to emb	FEC-A 144	amG
10134	1640	TZH	ASECNA Bamako Air	MLI	testing		amG
11071.5	2335	NNN0NYU	USN MARS Saudi-Arabia	ARS	msgs to US	75	amG
11270.5	1550		AWACS Magic 70	AIR	E wkg "J4P"	75 59	mm35
13385.5	0655	RCF	URS Ny Moscow	URS	ry cq	75	dp41
13871.5	1738	9UA	Bujumbura Air	BDI	ry	50 33	pcG
13966.2	0750		ICRC Amman	JOR	to Versoix	ARQ	mm35
13975.5	1728	NNN0CRW	USS MARS Guam (Pers.Gulf)		msgs to US	75	amG
14420	1655	RFTJDA	FF N'Djamena	TCD	F msg Librev	ARQ-E 72	amG
14547.5	0850	JAL44	Kyodo Tokyo	J	qra	50 43	pcG
14786.4	0820	9PL	Kinshasa Air	ZAI	ry de Zaire Centre	50	amG
14925	1705	RFTJ	FF Dakar	SEN	F msg Librev	ARQ-M2 96	amG
15001.6	0815		EGY EMB Prague	TCH	to Cairo	SIT-A	amG
15675.3	1010	HGX21	MFA Budapest	HNG	msg to HGX51	DUP-ARQ	mm35
15956.3	1715	RFF...	MOD Paris	F	to RFQP Djib	ARQ-E3 96	amG
16111	1635	HBD28	SUI EMB Khartoum	SDN	end tfc Berne	SIT-A	amG
16125.3	1700	RFQP	FF Djibouti	DJI	F to Paris	ARQ-M2 200	amG
16311.9	0745	C37A	Unid		ry & foxes	100	dp41
17402.8	0853	8WD...	MFA Delhi	IND	5 fgps to Hanoi	50	amG
17464	1645	V5G	MFA Bucharest	ROU	ROU nx	SPREAD 51/102	amG
18209.8	0855	LZP	PTT Sofia	BUL		50 56	mm35
18211.3	0830		DW Kigali	RRW	SIO reports	100 57	mm35
18211.4	1525		MFA Jakarta	INS	wkg	SI-ARQ/5	mm35
18211.6	1215		EGY EMB Abu Dhabi	UAE	to Cairo	SIT-A	amG
18321.2	1100		INS EMB Tehran	IRN	INS msg Jak	50	amG
18694.5	1200		INS EMB Cairo	EGY	INS msg Jak	SI-ARQ 96/5	amG
19451	0822		I EMB Amman	JOR	5 fgps Rome	SIT-A	amG
19495	1217	V5G	MFA Bucharest	ROU	ROU msg	SPREAD 51/102	amG
19964.8	1230		Kaduna (tent.)	NIG	to Lagos	ARQ	mm35
20011	1150		MFA Islamabad	PAK	E wkg	DUP-ARQ	mm35
20190.2	1610	AGA7RM	USAF MARS Rhein-Main	D	E msgs to USA	75	amG

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20262	1550	KNY32	BUL EMB Washington	USA encryp to Sofia	75	amG
20699.7	1120		S EMB Amman	JOR msg to Stockh	SWE-ARQ	mm35
20749.8	1020		AUT EMB Cairo	EGY to Vienna	SI-ARQ/6	mm35
20753	1542		ICRC Luanda	AGL to Versoix	ARQ	mm35
20754	1120		ICRC Monrovia	LBR to Versoix	ARQ	mm35
20754.2	0745		ICRC Peshawar	PAK to Versoix	ARQ	mm35
20810.7	1045		SUD Colombo	SRL msg to Stockh	SWE-ARQ	mm35
20812	1605	RFTJD	FF Douala	CMR contr du voie	ARQ-E348	pcG
20880	0845	6C2	TCH EMB Lagos	NIG 5fgps to Prague	75	amG
20919.5	1045	SAM77	S EMB Tripoli	LBY S msgs to Stock	SWE-ARQ	amG
20922.5	1738	AR3NAA	MARS Unid (?)	to AE1QF	PACKET 33	pcG
20948	0830		HNG EMB Pyongyang	KRE encryp Buda	DUP ARQ 125	amG
20978	1439	AA3USA	MARS Fort Meade	USA to AE1USA	PACKET 43	pcG
20995	0835		TCH EMB Ulan Bator	MNG 5fgps to Prague	100	amG
20995	1305		MFA Prague	TCH to EMBS	100 59	mm35
22967	1530	HBD29	SUI EMB Mexico City	MEX 5fgps to Berne	SIT-A	amG
23216	0935		CUB EMB New Delhi	IND rel msgs to URS/CUB	50	amG
23245.8	1005	FDZ2/RFFVAD	FAF N'Djamena	TCD A:to GAB/B:to F	ARQ-M2	amG
24102	0945	DFZG	MFA Belgrade	YUG ry	75	amG

Some comments by amG on NL 12/90:

Fixed Bands: 5075 IUU31 is Ministry of the Interior Rome controlling the police. Other c/s are IUU21, 41, 51, IHH & IHA. Controlled by the Ministry of Defence, Rome is the Carabinieri with IEA, IET & IEU c/s. The Guardia di Finanza has IER c/s and is also controlled by the MOD. IER20 Guarfi HQ Rome can often be heard on 5160 kHz in 50Bd RTTY.

RTTY: 16323 ARQ-M2/96 Bd - although RFTJD is the routing indicator for Detlog Douala the station so far monitored on this freq is RFTJD FF Libreville to RFTJ Dakar, the indicator for subchannel A being JDJ. 20996.7 ARQ-M2/200Bd - this is definitely FAF N'Djamena with c/s FDZ2A and FDZ2B depending on the sub-channel. The routing indicator is RFFVAD. Sub-channel A is to RFTJ Dakar and sub-channel B to RFFVA Paris.

Air/Sea Rescue: Memembers interested in voice transmissions in emergency air/sea rescue operations should tune to 5680 kHz where the Royal Air Force Helicopter Service can be heard.

(Tnx to Alex for these really interesting comments)

Remark from OM pcG cf.12/90 ZSD43 in the maritime section: "Surely ZSD stopped using HF CW well over 6 months ago" (only on 500kHz now). Tnx Peter.

Q S L - U M S C H A U

AFS-AFS Ny Cape Town	63 K/1\$,AK	17004.5	ZRH	30kw	ah69
ALB-Durres R.	35 B/IRC	8696	ZAD		nr75
ALG-Tamanrasset Air	24 PPC/IRC,AK dir?-ed	8894		1kw	ah69
ARG-Radio Continental Feed	28 K,B,Sti,I/IRC	9115			nr75
ARS-Jeddah Air	77 PPC/1\$,AK	14370.5	HZJ	10kw	ah69
AUS-AUS Ny Darwin	34 B,I/IRC via Canb.	22462.8	VHI		hs33
AUS-Sydney Air	75 PPC/IRC,AK	8867		10kw	ah69
AUT-NDB Khtai	14 PPC/IRC	413	"KTI"		nr75
AUT-NDB Zeltweg	11 PPC/IRC	418	"ZW"		nr75
B -Porto Velho Air	14 PPC/IRC,AK	8855		1kw	ah69
BEL-NDB Antwerpen	14 PPC/IRC	355	"ONW"		nr75
BEL-NDB Charleroi	35 PPC/IRC	323	"ONC"		nr75
BEL-NDB Liège/Bierset	10 PPC/IRC	348.5	"LG"		nr75
BEL-NDB Sint Niklaas	14 PPC/IRC	336.5	"NIK"		nr75
BEL-NDB Tienen	35 PPC/IRC	212	"TN"		nr75
BHR-Bahrain R.	21 Folder/IRC,AK	12709	A9M		ah69
BOL-La Paz Air	25 PPC/IRC,AK	10024		8kw	ah69
BOL-Santa Cruz Air	78 B,PPC,AK/IRC,AK	8855		1kw	ah69
BUL-NDB Bozhurishte	35 PPC,B,AK/IRC	312	"BOZ"		nr75

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BUL-NDB Burgas	35	PPC, B, AK/IRC	321	"BU"		nr75
BUL-NDB Russe	35	PPC, B, AK/IRC	415	"RUS"		nr75
CAN-Cambridge Bay Air	28	B, PPC/IRC	8891			nr75
CAN-CFS Aldergrove	33	K, Fo's/IRC	12753	CKN		hs33
CAN-Saint John's CGR.	12	K, B/IRC	478	VON	1kw	pcG
CAN-Saint Lawrence CGR.	300	B, Tour-I/-	2182	VCP	5kw	js33
CAN-Vancouver CGR.	29	K/IRC	12876	VAI		hs33
D -Interflug Berlin	51	K/AK	8984			hs33
D -LORAN Sylt	10	PPC, I/RP	7512.5			nr75
D -NDB Borkum Lt.	8	PPC, B, I/SASE back	298.8	"BE"	20w	js33
D -NDB Braunschweig	64	PPC/Fo, RP	427	"BRU"	7w	fd40
D -NDB Bckeburg	4	PPC/SASE	368	"BYC"	100w	js33
D -NDB Chemnitz	14	PPC/ via Dresden	380	"KMS"		nr75
D -NDB Helgoland	7	PPC/	392.5	"DHE"		nr75
D -NDB Kamenz	14	PPC/ via Dresden	413	"KZ"		nr75
D -Norddeich R.	5	B, Sti, I/-	8483.5	DAN		hs33
D -Norddeich R.	12	QSL-sheet, Sti/AK	16980.4	DAM		zeTC
D -Rgen R.	21	PPC, K/SASE	2182	Y5D	10kw	js33
D -Rgen R.	22	K/IRC	8584	DHS		pcG
D -Rgen R.	23	K/SASE	4242.5	Y5M	20kw	hs33
D -Rgen R.	238	K/AK, SBM	12702	Y5M	20kw	ah69
D -Rgen R.	210	K/RP	8608.5	Y5M		nr75
D -TS Mainflingen	12	K, I/AK	77.5	DCF77	50kw	ah69
DNK-NDB Hirsholm Lt.	44	PPC/Fo, IRC back	301.1	"HO"	25w	fd40
E -LDOC Madrid IBERIA	31	PPC/IRC, AK	5529		1kw	ah69
E -NDB Bagur	28	PPC/ via Madrid	319	"BGR"		nr75
E -NDB Domingo	60	PPC/ via Madrid	409	"DGO"		nr75
E -NDB Palma Lt.	290	Ham-K/Fo, IRC f/up	294.2	"PA"	50w	fd40
E -NDB Porto Colom	49	PPC/ via Mallorca	401	"PTC"		nr75
E -NDB Sabadell	28	PPC/ via Madrid	367	"SBD"		nr75
E -NDB San Sebastian	85	PPC/Fo, RP	328	"HIG"	200w	fd40
EGY-MENA Cairo	20	PPC/IRC, AK	15935	SUA291	12kw	ah69
F -NDB Ajaccio	28	PPC/	341	"IS"		nr75
F -NDB Avignon-Caumont	17	PPC/SASE	278	"CM"	5w	js33
F -NDB Bale Sud	4	PPC/	367	"BS"		nr75
F -NDB Bordeaux	14	PPC/	393	"BD"		nr75
F -NDB Cap d'Alprecht Lt.	13	PPC, I/SASE	310.3	"PH"	50w	js33
F -NDB Charles de Gaulle	21	PPC/	343	"CGO"		nr75
F -NDB Charles de Gaulle	21	PPC/	356	"RSY"		nr75
F -NDB Clermont Ferrand	7	PPC/	367.5	"CF"		nr75
F -NDB Epinal/Mirecourt	64	PPC, I/Fo, IRC Back	406	"EMT"	50w	fd40
F -NDB Le Bourget	21	PPC/	334	"BGW"		nr75
F -NDB Le Puy	14	PPC/	372	"PY"		nr75
F -NDB Le Touquet	8	PPC/SASE	358	"LT"	20w	js33
F -NDB Lille Lesquin	14	PPC/	332	"LL"		nr75
F -NDB Merville	21	PPC/	298	"MVC"		nr75
F -NDB Millau/Larzac	14	PPC/	365.5	"ZC"		nr75
F -NDB Montpellier	17	PPC/	339.5	"FG"		nr75
F -NDB Montjeu-les-Mines	21	PPC/	317.5	"MM"		nr75
F -NDB Orly	21	PPC/	349	"OYE"		nr75
F -NDB Pamiers-Les Pujols	23	PPC/SASE	384	"PMR"	25w	js33
F -NDB Pau	18	PPC/	364.5	"PU"		nr75
F -NDB Pau	18	PPC/	397.5	"PO"		nr75
F -NDB Phalsbourg	21	PPC/	424	"PHG"		nr75
F -NDB Pointe Castagna	21	PPC/	387.5	"CT"		nr75
F -NDB Rochefort	21	PPC/	396	"ROC"		nr75
F -NDB Saint Dizier	14	PPC/	373	"SDI"		nr75
F -NDB Toulouse/Blagnac	42	PPC, AK/	406.5	"TW"		nr75
F -NDB Troyes	21	PPC/	320.5	"TY"		nr75
F -NDB Valenciennes	21	PPC/	317.5	"VS"		nr75
FAR-LORAN Ejde	9	PPC/IRC	7512.5	OUN		nr75
FAR-Thrshavn R.	10	PPC/IRC	1778			nr75
FNL-NDB Heka	10	PPC/ via Vantaa	344	"HEK"		nr75
FNL-NDB Jyv., skyl.,	25	PPC/SASE via Hels	296	"JYV"	200w	js33
FNL-NDB Kangasniemi	25	PPC/SASE via Hels	331	"KAN"	500w	js33
FNL-NDB Kuopio	25	PPC/SASE via Hels	310	"KUR"	150w	js33
FNL-NDB Kuopio	25	PPC/SASE via Hels	387	"JL"	100w	js33
FNL-NDB Mariehamn	25	PPC/SASE via Hels	305	"S"	200w	js33

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FNL-NDB Oulu	25	PPC/SASE via Hels	290	"TP"	300w	js33
FNL-NDB Pakka	25	PPC/SASE via Hels	368	"PAK"	500w	js33
G -NDB Dungeness Lt.	103	K, PPC/RP	310.3	"DU"		hb31
G -NDB London-City	14	PPC, I/-	322	"LCY"	9w	js33
G -NDB Southend	9	PPC, I/RP not used	362.5	"SND"	7w	js33
GHA-Accra Air	42	B, PPC/IRC, AK	8903	9GC	5kw	ah69
GRC-Iraklion R.	236	K/IRC, AK	2799	SVH	1kw	ah69
GRC-Limnos R.	346	K/IRC, AK	2730	SVL	1kw	ah69
GRC-NDB Kavouri	61	PPC/	357	"KVR"		nr75
GUM-USCG Guam	35	B/IRC back	17146.4	NRV	1kw	hs33
HKG-Cape d'Aguilar R.	20	B/IRC	8539	VPS35	5kw	hs33
HNG-Budapest R.	154	B reg, PPC/AK, SBM	12963	HAR	5kw	ah69
HOL-NDB Teuge	14	PPC/	391	"TGE"		nr75
I -Augusta R.	30	PPC/	2182			nr75
I -Civitavecchia R.	180	PPC/IRC, AK	1888	IPD	1kw	ah69
I -Lampedusa R.	18	PPC/IRC, AK	1876	IQN	1kw	ah69
I -Lampedusa R.	30	PPC/	1876			nr75
I -NDB Bari/Palese	28	PPC, AK/	401	"BPL"		nr75
I -NDB Bologna	28	PPC/	413	"BOA"		nr75
I -NDB Codogno	28	PPC/ via Milan	400.5	"COD"		nr75
I -NDB Firenze	42	PPC/	366	"PRT"		nr75
I -NDB Grosseto	19	PPC/	406	"GRO"		nr75
I -NDB Linate	28	PPC/ via Milan	386	"LIN"		nr75
I -NDB Piacenza	21	PPC/	440	"PIA"		nr75
I -NDB Venezia	21	PPC/	379	"VEN"		nr75
I -Rome R.	27	K/RP	17160.8	IAR		hs33
IND-Calcutta Air	30	PPC/1\$, AK	10066		3kw	ah69
INS-Jakarta Air	44	B/IRC, AK	11396			ah69
IRL-NDB Portmarnock	27	PPC, I/-	397	"OP"	25w	js33
IRN-IRNA	34	K, I/AK, SBM	8049		20kw	ah69
ISL-NDB Vestmannaeyar	73	K/Fo, IRC	375	"VM"		fd40
ISR-CFARS Tiberias	133	B, PPC/IRC, AK	20970	VXE9	1kw	ah69
IWA-HMS Scylla	14	PPC/RP	2182	GDXE	100w	js33
IWA-Lifeboat Filey	23	PPC, B, Fo's/SASE	2182	GLFE		js33
IWA-Lifeboat Highseas Driller	19	PPC, B, I/-	2182		3w	js33
IWA-Lifeboat Llundudlow	10	B, PPC, I/RP	2182			hb31
IWA-MARS USS Detroit	40	B, Fo, Sti/AK	14441.5	NNN0CRB	700w	zeTC
IWA-MARS USS Joseph Hewes	50	B, Sti/AK	14441.5	NNN0CRM		zeTC
IWA-MARS USS Shreveport	41	B/IRC	20936	NNN0CVL	1.5kw	hs33
IWA-MS CTS Sierra Express	153	PPC/Fo, RP	16587.1	DNCE	1.4kw	fd40
IWA-MS Far Sleipner	15	PPC/SASE	2182	GHJN	5kw	js33
IWA-MS Humboldt Express	71	eigene K, AK/Fo, RP	16587.1	DDRL	400w	fd40
IWA-MS Isle of Mull	26	PPC/RP	2182			hb31
IWA-MS Jaqueline Broere	24	PPC, B, I, Flag/-	2182	PEYN	400w	js33
IWA-MS Lord of the Isles	10	K, B, PPC/RP	2182			hb31
IWA-MS Maersk Battler	30	PPC/-	2182	OVRI2	250w	js33
IWA-MS Oil Traveller	45	B, PPC, Fo/RP	2182	GDHA	800w	hb31
IWA-MS Sea Mussel	22	PPC, B, I, Sti/SASE	2182	ZCAA5	500w	js33
IWA-MS Seabord Supreme	20	B, PPC/RP	2182	MLYT2		hb31
IWA-MS Star Aries	27	B, PPC/RP	2182	GWAS		hb31
IWA-MS West Venture	14	B, PPC/RP	2182	GJNR	500w	hb31
IWA-NDB Platform Tyra East	54	PPC, B/RP	326	"RA"	100w	js33
IWA-Platform Ninian Central	18	PPC, B, I, Fo/-	2182	2ISF	120w	js33
IWA-Rig Sedco 710	11	PPC, B/RP	2182			hb31
IWA-Rig West Omicron	21	PPC/SASE	2182	ELNS5	400w	js33
J -Central Fishery R.	15	K/IRC	17081.6	JFA		hs33
J -Central Fishery R.	30m	K, B/IRC	17081.6	JFA		pcG
J -MARS Camp Foster	41	PPC/RP	16298.5	NNN0MOC	1kw	js33
J -Tokyo Meteo	28	B, I/IRC, AK	14880	JMG4	5kw	ah69
JOR-PETRA Amman	14	PPC/IRC, AK	14560		5kw	ah69
KEN-Nairobi Meteo	32	B, PPC/IRC, AK	9041	5YE	6kw	ah69
LUX-NDB Luxemburg	20	PPC, Anniv-K/IRC	318	"LE"	50w	js33
LUX-NDB Luxemburg	7	PPC/	318	"LE"		nr75
LUX-NDB Luxemburg	17	PPC/	404	"LW"		nr75
MLT-Deutsche Welle Cyclops	86	n/d K aus D, Sti, I	15712	9HY12		hs33
MLT-Malta R.	27	B/RP	4223.5	9HD	3kw	hs33
MRC-Tanger R.	19	PPC/IRC, AK	1911	CNW	1kw	ah69
MRT-F Ny Pointe des Sables	30	K/RP	16961.5	FUF		hs33

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NOR-Stavanger Rescue	206 PPC,B,I/IRC	5680		1-4kw	hs33
PAK-Karachi Volmet	28 PPC/	6676			nr75
PHL-US EMB Manila	340 PPC/?	7662	KWL90		fmI
POL-Akademia Nauki Warschau	18 PPC/IRC	22832	3ZB201	1kw	hs33
POL-NDB Chociwel	65 PPC/Fo,IRC	375	"CHO"	50w	fd40
POL-NDB Chociwel	28 PPC/	375	"CHO"		nr75
POL-NDB Czempin	14 PPC/ via Warsaw	409	"CZE"		nr75
POL-NDB Darlowo	14 PPC/ via Warsaw	409	"DAR"		nr75
POL-NDB Jablonka	14 PPC/ via Warsaw	387	"JAB"		nr75
POL-NDB Lodz	42 PPC/ via Warsaw	357	"LDZ"		nr75
ROU-NDB Baia Mare	28 PPC/ via Bucharest	404	"BMR"		nr75
ROU-NDB Constanta	17 PPC/ direct	325	"UU"		nr75
ROU-NDB Deva	28 PPC/ via Bucharest	393	"DVA"		nr75
ROU-NDB Mizil	28 PPC/ via Bucharest	408	"MZL"		nr75
ROU-NDB Sibiu	28 PPC/ via Bucharest	381	"SIB"		nr75
S -NDB Zngelholm	14 PPC,B/ via Malm"	370.5	"LB"		nr75
S -NDB Arlanda	14 PPC/	370	"OHT"		nr75
S -NDB Erken	10 PPC/	387	"ERK"		nr75
S -NDB "rebro	10 PPC/	375	"RB"		nr75
S -NDB Peola	28 PPC/	398	"PEO"		nr75
S -NDB Rinneby	19 PPC/	380	"LF"		nr75
SNG-ANSA Singapore	13 B,PPC,AK/AK,IRC back	10408	9VF63	10kw	ah69
SNG-Singapore Air	35 PPC,AK/IRC	8942			nr75
SNG-Singapore R.	31 B,K,I/Sti	8609.5	9VG73	8kw	hs33
SUI-NDB Bern/Belp	56 PPC/	366.5	"BER"		nr75
SUI-NDB Grenchen	56 PPC/ via Berne	326	"GRE"		nr75
SUI-NDB Les Eplatures	21 K,PPC,Sti,I,Fo/	403	"LPS"		nr75
SUI-NDB Lugano	14 PPC,K,I/ via Zurich	403	"LUG"		nr75
TCH-NDB Bratislava	18 PPC/ direct	391	"OKR"		nr75
TCH-NDB Jaromer	18 B,PPC/ via Prag	422	"UR"		nr75
TCH-NDB Karlov Vary	16 B,PPC/via Prag	367	"KVY"		nr75
TCH-NDB Strunkovice	9 B,PPC/ via Prag	402	"RA"		nr75
THA-Bangkok Volmet	263 F,B,AK/Fo,IRC	11387		10kw	fd40
THA-Bangkok Volmet	56 B,Folder/IRC	6676			nr75
TUN-TAP Tunis	88 B,PPC,AK/IRC,AK	13610		5kw	ah69
TUR-Ankara Meteo	15 PPC,I/IRC,AK	10424	YMA20	5kw	ah69
TUR-USAF Incirlik	40 K/?	11176			fmI
TWN-CNA Taipei	17 PPC/IRC,AK	13563		20kw	ah69
TWN-Taipei R.	35 B,AK,Tour-I/	17325.9	BVA		nr75
URS-Leningrad R.	61 K/IRC	12963	URD		nr75
URS-NDB Ergly/Malpils	70 PPC,Ham-K,AK/IRC	390	"GL"		nr75
URS-NDB Lvov	70 PPC,AK/	315	"FS"		nr75
URS-Tallinn R.	56 PPC,AK/IRC	6485	UAH		nr75
USA-MARS Fort Monmouth, NJ	42 PPC,B,I/RP	20994	AAR2USI	1kw	js33
USA-MARS Fort Quantico	25 PPC,Sti's/AK	14483.5	NNN0MQU	500w	zeTC
USA-MARS Norfolk	110 PPC/AK	14477	NNN0NHA	1.2kw	zeTC
USA-MARS Norfolk	206 K,PPC/1\$,AK	14467	NNN0NHA		ah69
USA-MARS Springfield	23 PPC,B/1\$,AK	14477	NNN0WHT	1kw	ah69
USA-Slidell R.	24 K/IRC	13099.5	WNU	5kw	hs33
YUG-Dubrovnik R.	30 PPC/	2182			nr75
YUG-NDB Sarajevo	9 PPC/	357.5	"KG"		nr75
YUG-NDB Zagreb	7 PPC/	367	"ZAG"		nr75
YUG-Tanjug	69 B/IRC,AK	15705		25kw	ah69

V E R I E S I G N E R / A D R E S S E N

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 NDB Les Eplatures "LPS": ARESA, A,roport Les Eplatures, CH-2300 La Chaux de Fonds, Switzerland
 NDB Lvov "FS": Lvov Airport, SU-Lvov, Ukraine, USSR
 Bulgarian NDBs via Sofia: V/s K.Markov
 NDB Le Puy "PY": A,roport Le Puy-Loudes, Chambre de Commerce et d'Industrie du Puy et d'Isingaux, F-43320 Loudes, France (nr75)

Rgen Radio: Deutsche Bundespost, Funkamt, Rgen Radio, O-2344 Glowe (pcG) or Volkmar Krbis, Postfach 1224, O-2337 Binz/Rgen, FRG

I N T E R N A

Von folgenden Herren habe ich den Beitrag erhalten: rb61, hb31, fd40, bf41, bg44, ah69, ai41, km40, mo67, rp41, dp41, hs33, ps50, gt29, hl71 (ab 11/90), cbs. Es fehlen bis zum 26.1.91: mm35, wm72, js33, sw65, zeTC.

OM hl71 hat sich dankenswerterweise bereiterkl.,rt, euren gestreäten ed zu entlasten und die Umschl.,ge zu tippen. Daher auch das viel sorgf.,ltigere Aussehen derselben. Tnx Heinz!

That's all for the moment, thanks to the following contributors: hb31, js33, hs33, ah69, dp41, nr75, pcG, zeTC, amG (thanks for the warm words, always appreciate this), fmI, fd40, ps50 und mm35.

Hallo allerseits. Ich glaube nicht, daá sich einer ber mangelnde Infoflle in dieser Ausgabe beklagen kann. Ich habe das Deckblatt diesmal weglassen mssen, sonst w,,re die Drucksache zu schwer geworden.

N O N D I R E C T I O N A L B E A C O N S

262	2111	FL	Flers/Saint Paul	F id+ton	43	pcG
284	2042	CLJ	Cluj/Napoca	ROU id	33	pcG
284	2255	GRN	Gorna	BUL id+ton	33	pcG
285	2252	LC	Link"ping/Malmen	S id	33	rk50
287.3	1209	JA	Jaroslawiec Lt.	POL id+ton	32	js33
287.3	1210	OD	Swinoujcie Lt.	POL id+ton	22	js33
287.3	1212	SK	Smith's Troll Lt.	G id+ton	32	js33
290	1217	FW		id	43	js33
290	2241	TR	Tirana/Rinas	ALB id	33	rk50
294.2	1222	RV	Revellata Lt.	F id+ton	33	js33
294.2	1223	ER	Eierland Lt.	HOL id+ton	23	js33
294.2	1354	KI	Kiel Lt.	D id+ton	33	rk50
294.2	2106	HA	Halten Lt.	NOR id+ton	44	pcG
298	2134	MVC	Merville/Calonne	F id+ton	44	pcG
298.8	0112	KL	Sklinna Lt.	NOR id+ton	45	rk50
298.8	1217	BE	Borkum Lt.	D id+ton	42	rk50
298.8	2314	QS	Casquets Lt.	G id+ton	44	rk50
301.1	0131	BN	Svenska Bj"rn Lt.	S id+ton	34	rk50
305.7	2201	DA	Dalatangi Lt.	ISL id+ton	43	pcG

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308	0115	KS	Stora Karls" Lt.	S	id+ton	33	rk50
310.3	1200	VI	Cabo Villano Lt.	E	id+ton	32	js33
310.3	1421	VR	Utvaer Lt.	NOR	id+ton	22	rk50
315	1159	ZM	Leningrad	URS	id	22	js33
315.5	0024	AT	Mys Aytodorskij Lt.	URS	id+ton	33	js33
315.5	0027	DB	Doobskij Lt.	URS	id+ton	32	js33
316	0017	IN	Ingolsh"fei Lt.	ISL	id+ton	32	js33
318	0012	LE	Luxemburg/East	LUX	id	43	js33
318	1158	YV	Ylivieska	FNL	id	22	js33
318.5	1157	WD	Vilsandi Lt.	URS	id+ton	32	js33
320.5	2342	SWN	Swansea	G	id	43	rk50
321	2251	SP	Skrydstrup	DNK	id	45	rk50
324	1154	ON	Norrk"ping	S	id	44	js33
324	1234	AS	Kemi	FNL	id	33	js33
325	0126	BAE	Manchester/Barton	G	id	22	rk50
325	0129	F	Ljungby/Feringe	S	id	45	rk50
326	1155	OMA	Omastrand	NOR	id	33	js33
329	2304	JW	Jersey	G	id	33	rk50
329.5	0136	GG	Cardiff	G	id	34	rk50
331	2330	KAN	Kangasniemi	FNL	id	45	rk50
335	2338	WCO	Westcott	G	id	55	rk50
337	1225	MY	Mykines	FAR	id	43	js33
344	2355	HEK	Heka	FNL	id	55	rk50
346	2323	LHO	Le Havre/Octeville	F	id	22	rk50
348	0005	SAD	Leknes/Sandsund	NOR	id	34	rk50
349	2055	RS	Rennes	F	id+ton	44	pcG
352	2248	OA	Oslo (Asker)	NOR	id	45	rk50
353.5	0201	EME	East Midlands	G	id	45	rk50
355	0020	J	Varkaus	FNL	id	45	rk50
355a	0123	NAY	Unid		id	22	rk50
356	0022	SGO	Sagunto	E	id	33	rk50
363.5	0235	CDF	Cardiff	G	id	22	rk50
366	0003	KM	Kalmar	S	id	33	rk50
366.5	2155	CAR	Carnane/I.o.Man	G	id	33	pcG
368	2312	PAK	Pakka	FNL	id	32	rk50
370	2143	OHT	Stockholm/Arlanda	S	id	43	pcG
376	0219	GG	Stockholm/Arlanda	S	id	44	rk50
376	2123	GF	Grefsen	NOR	id	33	pcG
379	2112	CZ	Charleville	F	id+ton	34	pcG
382	2137	PM	Peronne	F	id+ton	43	pcG
383	0048	ERK	Erken	S	id	44	rk50
384	0008	TY	Torsby	S	id	33	rk50
385	0049	KV	Halli	FNL	id	46	rk50
388	0052	KRU	Kruunu	FNL	id	32	js33
392	0057	RAN	Lappeenranta	FNL	id	25	rk50
392	2237	PA	Rovaniemi	FNL	id	45	rk50
393	0048	DVA	Deva	ROU	id	43	js33
394	0048	JOK	Kauhajoki	FNL	id	22	js33
394	0205	JOK	Kauhajoki	FNL	id	44	rk50
396	0103	HYV	Hyvink,,,"	FNL	id	33	rk50
399a	2248	KO	Unid		id	33	rk50
402	0108	LX	Eskilstuna	S	id	45	rk50
403.5	0232	OX	Oxford	G	id	23	rk50
404	2018	LW	Luxemburg	LUX	id	34	pcG
448	2349	HLV	Holesov	TCH	id	32	js33
448	2352	LQ	Landsberg	D	id+ton	33	js33

M A R I T I M E

500	2012	EAF	Finisterre R.	E	cw-cq	43	pcG
500	2030	DAO	Kiel R.	D	cw-call	44	pcG
500	2210	EAC	Tarifa R.	E	cw-wkg HQVA8	44	pcG
500	2216	IAR	Roma R.	I	cw-wkg IBQD	44	pcG
2182	0628	VCN	Cap-aux-Meules CGR.	CAN	E clg CCGS Henry...	33	js33
2182	0638	TXU	Saint Pierre R.	SPM	F anns wx	32	js33
2182	1110	MAWT2	Portrush Lb.	IWA	E wkg Malin Head	22	js33
2182	1547	PDGM	MS Breezand	IWA	E wkg Augusta	22	js33

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2182	1549	GXWD	MS Emerald	IWA	E wkg Rogaland	43	js33
2182	1603	IPA	Ancona R.	I	E/I securit,	44	zeTC
2182	1604	3ESQ3	MS Western Reliance	IWA	E wkg Humber	33	js33
2182	1606		Rig Sedco 706	IWA	E wkg Stony	33	js33
2182	1607		Ferry Cambridge	IWA	E wkg GPK	44	js33
2182	1707		Rig Drill Star	IWA	E wkg Stonehaven	43	fd40
2182	1712	GKYQ	HMS Fearless	IWA	E wkg Niton	43	fd40
2182	1810		Saint Ives Lb.	IWA	E wkg Land's End	22	js33
2182	1828	LMJ	Jan Mayen R.	JMY	NOR anns warning	43	js33
2182	1903	GURS	MS Arctic Challenger	IWA	E wkg wick	42	fd40
2182	1903	SVL	Limnos R.	GRC	E/GR securit,	44	zeTC
2182	1936	IDF	Messina R.	I	I/E qsy 2789	44	zeTC
2182	1937	IDC	Cagliari R.	I	I/E anns tfc list	44	zeTC
2607	2135	FUO	F Ny Toulon	F	cw-vvv	44	pcG
3607.9	1840	GHD2	Hebrides R.	G	cw/SITOR	0=3	fs79
4072.3	0705	OED	DDSG wien	AUT	G wkg ships	0=4	fs79
6332	2359	S9M	Sao Tom, R.	STP	cw-cq		hl71
6386.5	0040	HKC	Buenaventura R.	CLM	cw-cq	0=3	fs79
6429	1752	DZD	Antipolo R.	PHL	cw-cq		hl71
6445	1750	UFL	Vladivostok R.	URS	cw-cq		hl71
6470.5	0020	6YI	Kingston R.	JMC	cw-cq		many
6470.5	2300	9YL	North Post R.	TRD	cw-cq		hl71
6488	1753	D4A5	Sao Vicente R.	CPV	cw-cq		hl71
6515.7	0600	WAH	Saint Thomas R.	VIR	E tfc list	0=2	fs79
6515.7	0655	OMK	Komarno R. ?	TCH	R wx fr Danube ports		fs79
8438	2358	9WH	Kota Kinabalu R.	MLE	cw-cq		hl71
8441	2130	9YL	North Post R.	TRD	cw-cq		hl71
8441.4	0110	5ZF2	Mombasa R.	KEN	cw-cq		hl71
8442.4	1756	TCR	Tophane/Istanbul R.	TUR	cw-cq & tfc list	44	pcG
8444.5	0130	KFS	Palo Alto R.	USA	cw-cq		hl71
8449.3	2300	8PO	Barbados R.	BRB	cw-cq		hl71
8470	0130	XFL	Mazatl n R.	MEX	cw-cq	0=3	fs79
8472	2228	TEC	Ocean/Puntarenas R.	CTR	cw-cq		hl71
8604.2	2305	ZRH4	AFS Ny Cape Town	AFS	cw-cq		hl71
8604.5	2152	DZJ	Bulacan R.	PHL	cw-cq	43	ai41
8609	2310	CLJ	Caibrien R.	CUB	cw-cq		hl71
8628.5	2105	NOJ	USCG Kodiak,AK	ALS	cw-cq	32	many
8634	2100	S9M	Sao Tom, R.	STP	cw-cq		hl71
8652.5	0000	PZN3	Paramaribo R.	SUR	cw-cq		hl71
8690.5	0010	XFF2	Pajaritos R.	MEX	cw-cq		hl71
8694	2310	PJC	Curaçao R.	ATN	cw-cq		hl71
8746.8	2304	WOM	Highseas R.	USA	E wkg Royal Viking	54	ai41
12664.5	0843	FUM	F Ny Papeete	OCE	cw-vvv	43	pcG
12678	0845	9MG3	Penang R.	MLA	cw-cq	34	pcG
12703	0847	UNM2	Klaipeda R.	URS	cw-wkg	44	pcG
12709	1700	8RB	Demerara R.	GUY	cw-cq		hl71
12709	2202	XFG	Salina Cruz R.	MEX	cw-cq	0=2	fs79
12808.5	2145	VTG7	IND Ny Bombay	IND	cw-vvv	0=3	fs79
12829.5	0945	XFM	Manzanillo R.	MEX	cw-cq vvv	0=3	fs79
12876	1900	VAI	Vancouver CGR.	CAN	cw-cq		hl71
12879.5	2110	WSC	Tuckerton R.	USA	cw-de	55	hb31
12885	2050	9YL	North Post R.	TRD	cw-cq		hl71
12889.5	0857	NMO	USCG Honolulu	HWI	cw-cq	23	pcG
12906	2304	DZJ	Manila/Bulacan R.	PHL	cw-cq		hl71
13024.5	1400	JSD	Unid	J	cw-tfc list	33	js33
13042	0902	P2M	Port Moresby R.	PNG	cw-cq & wx	22	ai41
13042	1517	XVS9	Ho-Chi-Minh-Ville R.	VTN	cw-tfc list	23	js33
13042.5	0904	XVS	Ho-Chi-Minh Ville R.	VTN	cw-cq & tfc list	33	ai41
13042.5	1615	9LL	Freetown R.	SRL	cw-cq		hl71
13046	0945	PZN4	Paramaribo R.	SUR	cw-cq		hl71
16861.5	1312	5OW	Lagos R.	NIG	cw-cq vvv bad mod	23	ai41
16861.7	1000	PKD	Surabaja R.	INS	cw-cq		hl71
16861.7	1119	PKB	Belawan R.	INS	cw-cq	42	pcG
16957.8	0810	FUJ	F Ny Noum,a	NCL	cw-vvv	0=3	fs79
16975	1127	VWM	Madras R.	IND	cw-cq	32	pcG
17170.4	1139	CNP	Casablanca R.	MRC	cw-cq	44	pcG
17175.2	1249	5ZF	Mombasa R.	KEN	cw-vvv	22	hb31
17184.8	1241	PKE	Ambon R.	INS	cw-cq	44	many

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17189.6	1320	D3E71	Luanda R.	AGL	cw-cq	42	fd40
22138.7	1230	BFR	Unid		cw-vvv	32	js33
25168.1	1846	LPL	Generale Pacheco R.	ARG	S tfc list	O=4	fs79

A E R O N A U T I C A L

4742	2244		RAF Upavon "Architect"	G	E wkg 7928	O=4	fs79
6738	2017		USAF Thule	GRL	E wkg	O=3	fs79
6738	2145	"Beta Alpha"	US Base in	ARS	E wkg MACs in IRQ	jamm	fs79
8855	0508		Cayenne Air	GUF	F clg 422	44	hb31
8855	0511		Piarco Air	TRD	E wkg Cayenne	45	hb31
8855	0516		Belem Air	B	E wkg a/c	54	hb31
8855	2200		Maiquetia Air	VEN	S wkg Transbrasil	O=3	fs79
8861	1810		Abidjan Air	CTI	E wkg Nigeria 923	33	js33
8879	1637		Harare Air	ZWE	E wkg Lilongwe	22	hb31
8879	1730		Lilongwe Air	MWI	E clg Harare	43	js33
8879	1730		Moroni Air	COM	E wkg Dar Centre	43	js33
8879	1734		Beira Air	MOZ	E clg Harare	23	js33
8879	1754		Lusaka Air	ZMB	E wkg a/c	34	hb31
8879	1943		Tananarive Air	MDG	E wkg American 042	53	fd40
8879	2015		Mauritius Air	MAU	E wkg Springbok 287	52	fd40
8903	1810		Accra Air	GHA	E wkg KLM	34	hb31
8918	2338		Barranquilla Air	CLM	S wkg Maiquetia	46	ai41
8930	1121		LDOC Budapest Malev	HNG	HNG wkg "LBP"	O=5	fmI
8930	1126		Ambulance Stuttgart	D	E wkg Ambulance 90	O=5	fmI
8984	2039		USCG Kodiak	ALS	E wkg CG 1708	46	rk50
8989	2240		USAF Elmenkaff	ALS	E wkg CHU980	O=3	fs79
10027	1502		LDOC Prague CSA	TCH	CZ wkg CSA858	O=4	fs79
10090	1806		Tashkent Volmet	URS	E wx	44	hb31
11187	1435		RCAF Lahr	D	G wkg DRAR	O=3	fs79
11234	1215		RAF Citrus Flightwatch	CYP	E clg all stns	55	many
11240	1435		LDOC Damascus Syrianair	SYR	A/E wkg a/c 356	O=4	fs79
11246	1302		Station Nord	GRL	DAN wkg "Saloon"	O=3	fs79
11300	1708		Nairobi Air	KEN	E wkg Addis	53	fd40
11384	1657		Bourgas Air	BUL	BUL wkg LEA	56	fd40
11384	1701		Sofia Air	BUL	BUL wkg BTS	55	fd40
11396	1328		Ujung Pandang Air	INS	E wkg Express 77	43	ai41
11396	1403		Manila Air	PHL	E wkg a/c	11	ai41
13225	1357		LDOC Amman ALIA	JOR	E wkg a/c	O=3	fs79
13248	1353	"OPBE"	LDOC Belgrade JAT	YUG	SC wkg a/c	O=3	fs79
13282	1720		Auckland Volmet	NZL	E Volmet	57	many
13282	1730		Honolulu Volmet	HWI	E Volmet	52	many

To avoid confusions here the following message from Honolulu VOLMET: On November 24, 1983 Honolulu Radio assumed broadcasting responsibilities from the Anchorage and Oakland radios with extended broadcasting times of "25 to 35" and "55 to 05" past each hour.

13282	1740		Tokyo Volmet	J	E Volmet	53	fd40
13282	1745		Hongkong Volmet	HKG	E Volmet	54	fd40
13330	1122		Flight Zambia 101	AIR	E clg Lusaka LDOC	55	hb31
13330	1945	KEA5	LDOC New York ARINC	USA	E wkg a/c	32	js33
13330	2015	KEP5	LDOC Houston ARINC	USA	E wkg N 185	22	js33
13356	1858		LDOC Kinshasa	ZAI	F id "Contr de vole"	33	js33
17996.5	1228	"J4P"	USAF Geilenkirchen	D	E wkg Magic 76	O=3	fs79
18012	1456		RCAF Trenton	CAN	E wkg Lahr & a/c	O=4	fs79

F I X E D B A N D S

77.5	1329	DCF77	TS Braunschweig	D	ts	55	ai41
2357.5	2335	OUA32	DNK Ny Stevns	DNK	cw-vvv multicall		amG
2680	2350	4XZ	ISR Ny Haifa	ISR	cw-vvv		amG
2800	2035	4XZ	ISR Ny Haifa	ISR	cw-vvv	O=3	fs79
3678	2014	SXH32	GRC Ny Khania	GRC	cw-vvv	O=3	many
3711.5	2358	SXA33	GRC Ny Pir,,us	GRC	cw-vvv		amG
3812.4	1800	GAM1	Unid		cw-vvv tactical?	O=3	fs79
5064	1755	9MB6	MLA Ny Georgetown	MLA	cw-vvv	O=3	fs79

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5160.5	1630	FDI	FAF Aix-les-Milles	F	cw-vvv		amG
5558	0012	FDG6	FAF Cazaux	F	cw-vvv		amG
5779	0830	FSB	Rosny-sur-Bois or Interpol?		cw-cq		amG
5806.6	0851	ZKLF	Auckland Meteo	NZL	cw//9458.6,13550.1,16		ai41
6859.5	1330	FDG6	FAF Cazaux	F	cw-vvv	0=3	fs79
7512.5	1238	JXP	Jan Mayen Loran	JMY	E wkg TFR2	0=2	fs79
7512.5	1240	JXL	Bi-i-Vesterflen Loran	NOR	E wkg TFR2	0=3	fs79
8000	2039	JJY	TS PTT Sanwa	J	cw-id & fem id	33	zeTC
9106	2356	VSD	BAS Halley	ANT	E wkg Faraday	0=2	fs79
9106	2356	ZHF44	BAS Faraday	ANT	E clg Halley	0=2	fs79
10000	1900	BPM	TS Lintong	CHN	cw-id, anns	54	fd40
10386.3	1632		Unid	F	OM wkg LSB	54	rk50
12210	2150	KWL90	US Emb Manila	PHL	cw-gra	0=3	fs79
13385	1758	UPUI	Res Vessel Prof Vize	IWA	cw-wkg RUZU	59	rk50
13826	0040	NNN0NGQ	MARS Williams Field	ANT	E wkg N0HLQ	0=3	fs79
13826	0047	NNN0NPA	MARS Palmer Station	ANT	E wkg N0HLQ	0=3	fs79
13927	0137	CUW20	MARS Lajes	AZR	E wkg Mac3551	0=4	fs79
13927	0143	AGA2SH	MARS Shaw AFB	USA	E wkg CUW20	0=3	fs79
14390	0025		Unid	A	making jokes abt Palest		fs79
14408	0100	AGA0BO	MARS Bogota	CLM	E wkg AGA2GN	0=3	fs79
14485	1915	AAV5TW	MARS Unid		E wkg AAR4CSS	22	ai41
14510	1905	AAR4CSS	MARS Unid	USA	E wkg AEM3VV	33	js33
14510	2036	AAR4CSS	MARS Unid	USA	E wkg AEM3VP	55	hb31
14510	2037	AAR3NAA	MARS Unid	USA	E wkg AAR3NAA	57	hb31
14512	2222		Unid	P	ment of Par	0=3	fs79
14580	0812		Unid	E	phonepatches USB	45	rk50
14612	1308	FVA80	Gend Rosny-sur-Bois	F	cw-clg FVZ99	55	ai41
14612	1313	FVZ99	Gend Saint Pierre	SPM	cw-wkg FVA80	44	ai41
15670	1800	GWC	BBC-Feeder	G	relay BFBS	59	zeTC
16385	1251		PAK Emb Riyadh	ARS	Charlie 9 wkg 55		mm35
17420	1558		AFEBZ Zaragoza	E	E feeder x-mas px	57	rk50
18174	0918		KCWS Pyongyang	KRE	E vm-f	58	rk50
18275.1	2000		VoA Greenville	USA	USB E feeder/LSB Czech		mm35
18407	1908	ZBP	PTT Pitcairn	PTC	E wkg ZLX	0=2	fs79
18710	1907	ZLX	PTT wellington	NZL	E wkg Pitcairn vm	0=3	fs79
18711	1915	AIR	USAF Andrews	USA	E clg MAC126	0=4	fs79
18760	0925	"37"	IRBAT Tibnine	LBN	E p/patches IRL	0=4	fs79
20013	1245		PAK Emb Moscow	URS	id 41 wkg Papa 32 USB		mm35
20065	1435		Portishead R.	G	E wkg "SAG" Luanda		mm35
20200	1745	PBV	HOL AF Valkenburg	HOL	E wkg ment.Dubai	0=3	fs79
20219.5	1820	AEM3USB	MARS Unid	ARS	E wkg AAR5NF		mm35
20262	1230	OHU20	MFA Helsinki	FNL	FIN wkg & F1		mm35
20338.4	1655	FUG	F Ny La R,gine	F	cw-clg FUAP vvv	0=4	fs79
20390	1630		USAF Cape Radio	USA	E wkg MAC336	0=3	fs79
20518.5	1230	AEM1GFT	MARS Erlensee	D	E wkg AEM3USG	0=3	fmI
20584	1615		Unid	I	p/patches LSB	0=4	fs79
20650.2	1730	AEM3USB	MARS Unid	ARS	E wkg AAR5NSF		mm35
20678.5	1308	NNN0YGQ	MARS Greenwood,SC	USA	E wkg N0CYY	54	ai41
20720	1930		EMBRATEL Rio	B	P wkg Patrosterio Rio		mm35
20737	1505	AAR2LA	MARS Langley AB	USA	E wkg Saudi A		hb31
20800	1250	HBC88	ICRC Geneva	SUI	F/E vm-f & mm USB		mm35
20930	1321	ZSC	Capetown R.	AFS	E vm-m	31	ai41
"This is the International Radio Telephone service of Capetown Radio....."							
20936.1	1715	NNN0GRH	MARS Woodbridge	USA			mm35
20940	1313	AAR2USI	MARS Fort Monmouth,NJ	USA	E wkg AEM3 stns	54	many
20951	1217	ORI21	PTT Brussels	BEL	E/F/FL vm-f		mm35
20951	1519		PTT Brussels	BEL	E/F/FL vm-f	43	pcG
20970	1500	VXV9	CFARS Golan Heights	SYR	E wkg CIW801		mm35
20994	1718	AAT7USD	MARS Fort Riley,KS	USA	E wkg M1QF	54	ai41
30920	1600		Medical Bembridge/Bainbridge	USA	E/S wkg	32	js33
31780	1415	KDR31	Unid	USA	synops + id	33	js33
31780	1427	KSC742	Unid	USA	anns + id	54	js33

R A D I O T E L E T Y P E

2022	2327	"YKK"	S AF Uppsala	S	"Flygande test.."	50	amG
3177	0020	AWC	Calcutta Air	IND	ry	50	amG

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3250	2340	9HA	Luqa Air	MLT	wx to Khartoum	50	amG
5321.5	1715		Guardia Civil Avila	E	to Toledo & Mad	SIT-A	amG
5738	0010	XVI	Hanoi Air	VTN	ry to Ho-Chi-Minh	50	amG
5761.8	1653	IUU21	MoI Rome	I	to Pol Brescia, Bergam.		amG
5800	1705	FSS..	31 Groupement	CRS	Toulouse	F msg to Gendar	ARQ-E3 amG
5911.5	0855	EHG4	Guardia Civil	Orense	E	id RETWNR	amG
S msgs to RETWNC, which is La Coruña (amG).							
6773	0820		I Emb La Valetta	MLT	wkg Rome	SIT-A O=3	fmI
6988.7	2029	8Q9	Male Air	MLD	ry de VRMM	50 22	ai41
7540.6	1720		I Emb Tel Aviv	ISR	5lgps to Rome	SIT-A	amG
7958	1150	RFFABCS	MOD Paris	F	msg RFFHCT	ARQE72 44	pcG
8030	1522	IRF50	ANSA Rom	I	gra & ry	50	mm35
8061.8	1520	IRF80	ANSA Rom	I	gra & ry	50	mm35
8854.8	2345	XVI	Hanoi Air	VTN	ry	50 22	ai41
9052.6	1640		HNG Emb Rome	I	5lgps to Bud	DUP 125	amG
9075	1850	RFFA	MOD Paris	F	to RFTJD	ARQE48 44	pcG
9136.7	1725		EGY Emb Rabat	MRC	to Cairo	SIT-A	amG
9198	1650		POL Emb Brussels	BEL	5fgps to war	POL-ARQ	amG
9983.2	1628		POR Army Ponta Delgada	AZR	Situat.reps to Horta	SITamG	
10412	2305	RFFXL	FF Versailles	F	contr de voie	ARQE72	pcG
10492	1835	RFTJF	FF Fort Bouet	CTI	encryp	ARQM96 43	pcG
10546.5	0930		MFA Rome	I	crypto tfc	SIT-A O=2	fmI
"Analysis on situation in Gulf area. Different from what MFA reports on TV and newspapers" (fmI) what did you expect? Hi (ed)							
10638.5	2028	RFQP	FF Djibouti	DJI	msg	ARQM200	pcG
10916	1847	RFTJ	FF Dakar	SEN	idling	ARQM96 44	pcG
11063.5	2035	STK	Khartoum Air	SDN	ry	50	mm35
11070.6	2035	NNNONYU	MARS Unid	ARS	marsgrams NOASC	SIT-A	mm35
11070.6	2354	NNNOMEF	MARS USMC Saudi Arabia	ARS	E msg to US	SIT-A	amG
11296.7	1655		EGY Emb Niamey	NGR	to Cairo	SIT-A	amG
13510	1840	CFH	CAN Forces Halifax	CAN	wx	75	mm35
13737	1947	5YD	Nairobi Air	KEN	ry	50 44	pcG
13846.5	2237	RFQP	FF Djibouti	DJI	msg	ARQE100	pcG
13877	1700	HGX21	MFA Budapest	HNG	HNG diplo wkg	DUP-ARQ	mm35
13987	1830	OST	Oostende R.	BEL	idling + cw-id	SIT-A	mm35
14362	1230	5W3	TCH Emb Moscow	URS	CZ msg to Prague	100	amG
14368	1658		F Emb Beirut	LBN	5lgps tp Paris	FEC-A	amG
14478.5	1648	OEC51	AUT Emb Cairo	EGY	G msg to Vienna	SI-ARQ	amG
14607	1710	TJK	ASECNA Douala Air	CME	ry	50	amG
14632.8	1729	9UA	Bujumbura Air	BDI	ry testing	50 53	js33
14681	1205	V5G	MFA Bucharest	ROU	ROU nx	SPREAD 102	amG
14833	1607		TUR Emb Vienna	AUT	5lgps to Ankara	FEC-A	amG
16386.7	1245		PAK Emb Riyadh	ARS	msg to FOREIGN Islamab.		mm35
17432	1100	RPFNG	POR Ny Alges	POR	to Sta Maria	50	amG
17531.7	1700	ZPK	PRG Ny Asunciñn	PRG	ry, testing	75 43	ai41
18027	1628		F Emb Tananarive	MDG	F to Paris	FEC-A	amG
18033.5	2010		F Emb Port-of-Spain	TRD	F id Port d'Esp.	ARQ6-90	mm35
18552	1230		MFA Bucharest	ROU	ROU wkg	SPREAD51	mm35
18746.7	1237	PCW8	HOL Emb Tripoli	LBY	HOL msg to Hague	SIT-A	amG
18802	1530		TUR Emb Rabat	MRC	5lgps to Ankara		amG
19101.4	1103		Unid "DE LIMA KIRIM MANGGA	TESTING....."	50 32		ai41
20021.7	1240		PAK Emb Dakar	SEN	E private comms	SIT-A	mm35
20023	1145	IPG20	MFA Rome	I	I msgs to Embs	ARQ-E	mm35
20051.7	1440		MFA Islamabad	PAK	E wkg Embs	SIT-A	mm35
20064	1445	TAD	MFA Ankara	TUR	TUR wkg	FEC-A	mm35
20068	1230	AIC	USAF Clark AFB	PHL	wx, PHWR heading	75	amG
20135	1310	HSF212	MFA Bangkok	THA	E nx KASEM "FFFF"	75	mm35
20167	1330		I Emb Tel Aviv	ISR	I wkg MFA	ARQ-E	mm35
20169	0910		I Emb Teheran	IRN	I wkg MFA	ARQ-E	mm35
20190.2	1640	AIR	MARS Andrews AFB	USA	E to AGA7RM	75	amG
20197	1320		I Emb New Delhi (?)	IND	I wkg	ARQ-E	mm35
20254	1420	TAD	MFA Ankara	TUR	5fig gps & tfc	FEC-A	mm35
20286.5	1235	SPW	Warsaw R.	POL	wkg & cw-id	SIT-A	mm35
20302	1530	NKW	US Ny Diego Garcia	BIO	meteo charts	F A X	mm35
20321.5	1155		I Emb Khartoum	SDN	5lgps to Esteri	SIT-A	mm35
20331.7	1020	MKD	British Forces Akrotiri	CYP	foxes	50	mm35
20359	0935	"DOR"	MFA Sofia	BUL	code msgs to Embs	75	mm35
20363	1420	V5G	MFA Bucharest	ROU	wkg Embs	ROU-FEC	mm35

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20385	1405	RFFXI	French Forces	F wkg	ARQ-E	mm35
20401.5	0530		INS Emb Lagos	NIG to KMA DEPLU JAK	SIT-A	mm35
20422.4	0740	DMK530	D Emb Lagos	NIG clg DMK MFA Bonn	ARQ-E	mm35
20471	1845	CXR	URG Ny Montevideo	URG to PWX Colco Brasil	75	mm35
20500.7	1030	DFU50	Bundespresseamt Bonn	D G nx	FEC-A	mm35
20556	0930	RFGW	MFA Paris	F 5lgps	75	mm35
20560	1630		Jamahiriya News Tripoli	LIBY E nx	50	mm35
20596	2010	HBD20	MFA Bern	SUI fm BERNEDA to Rio	SIT-A	mm35
20606.9	0935	SAM	MFA Stockholm	S to Damascus	SWED-ARQ	mm35
20609.5	1300	HBD	SUI Emb Dar es salaam	TNZ F/G wkg	SIT-A	mm35
20609.5	1400	HBD25	SUI Emb Tel Aviv	ISR selcal BMUK	SIT-A	mm35
20619.1	0920	OMZ	MFA Prague	TCH CZ abt Middle E.	75	mm35
20633.6	1700	RFVI	FF Le Port	REU wkg	ARQ-E3	mm35
20670	0850		WPF Relief Organ.Rome	I E msg to Kabul	SIT-A	amG
20670	1035		Unid	E UNOCA Kabul ments	SIT-Amm35	
20715	1520	RFFAAK	Unid	to RFTJD	ARQ-E3	mm35
20734	1030		UNHCR Islamabad	PAK rel Peshawar	SIT-A	amG
20734	1240		UNHCR Conakry	GNE E to Geneva	SIT-A	amG
20734	1627		UNHCR Luanda	AGL E to Geneva	SIT-A	amG
20734	1640		UNHCR Abidjan	CTI E/F msg to Genf	SIT-A	mm35
20734	1910		UNHCR San Jos,	CTR E msg to Genf	SIT-A	mm35
20805.2	1545	RFQP	FF Djibouti	DJI F msgs	ARQ-M2	mm35
20810.7	1140	SAM49	S Emb Riyadh	ARS S to Stockholm	SWED-ARQ	amG
20812	1200	RFTJD	FF Douala	CME to RFFICS	ARQE48 44	pcG
20812	1700		FF N'Djamena	TCD to CENTERADMI Tours	ARQ	mm35
20822	1145		FF Bangui	CAF 5lgps	ARQ-E	mm35
20822	1145	RFFXI	FF Bangui	CAF to Paris	ARQ-E72	amG
20872	0602	RFFXHC	FF Unid	F wkg	ARQ-E	mm35
20922.4	1210	AEM3USA	MARS Unid	ARS Marsgrams US	PACKET	mm35
20962.1	1125		TUR Emb Madrid	E wkg Disisleri Ank	FEC-A	mm35
22857	1543	7L1	TCH Emb Habana	CUB to Prague	100	amG
23021.8	1158	ASZ57	PAK Emb Rome	I encryp to Islama	SIT-A	amG
23078.8	1053	SAM71	S Emb Dar es salaam	TNZ S to Stockholm	SWED-ARQ	amG
23216	0945	CLP3	CUB Emb Moscow	URS rel fm emb to Hab	50	amG
23236	1150	IPG20	MFA Rome	I 5lgps	ARQ-E	mm35
23455.2	1210	CLP9	CUB Emb Aden	YEM S to Habana	75	amG
23692.2	1600	ZPK	PRG Ny Asunciñn	PRG S to HDN Quito	75	amG
24271.5	1125		I Emb Tehran	IRN I to Rome&Emb	SIT-A	amG

A B B R E V I A T I O N S

CRS = Compagnie Republicaine de Securit,

C O M M E N T S

Cf nx about Durban Radio ZSD in NL1/91: Durban ZSD43 now only with navigational warnings on 4242.5 in Dec 89. Durban R. now ZSD43 on 429, 432, 438 (working-qrg), 500, 514 kHz (h171).

Fb comments on 1/91 by OM amG:

RTTY: C/s ICRC Amman 13966.2 is JYL88 ***** 19964.8 Kaduna (tent) is British Embassy (High Commission) Lagos relaying District Office Kaduna to MBR - Foreign & Commonwealth Office London (equivalent to MFA). In msgs the Foreign Office is addressed as "Routine". Other frequencies are: Lagos 16196 and 20832, Foreign Office 20162 (works duplex) and 22900. All are in Sitor A ***** 20753 ICRC Luanda c/s is D2N77LD ***** 20754.2 ICRC Peshawar c/s is ARH252 ***** 20810.7 Swedish Embassy Colombo c/s is SAM67. However, all embassies East of Riyadh are relayed by that station to Stockholm. The log should therefore read: SAM47 Swedish Emb Riyadh relaying msgs from Colombo to Stockholm.

FIXED BANDS: 20940 AAT3USW: This is a US Army MARS base located in the state of Virginia ***** 20940 AEM1ELN: US Army located in Germany ***** 20940 AAR3USI: US Army located in Pennsylvania ***** 20994 AAR5NSF: US Army located in Illinois (see also "Info" section).

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Q S L - U M S C H A U

ALS-USAF Elmendorf	45	PPC/	8989		3kw	mo67
ALS-USCG Kodiak	43	PPC,B,I,K/AK,SASE	8628.5	NOJ		ai41
ARG-Radio Continental	56	K,Sti/AK,B	9115		5kw	zeTC
ATN-Curaçao R.	23	K/AK,IRC	8694	PJC	1kw	ai41
BEL-PTT Brussels	48	K de Oostende/AK,IRC	19577.5	ORI49		ai41
CNR-NDB Las Palmas hrd in E	101	PPC,B,I/RP,Fo	365	"P"	200w	fd40
D -Kiel R.	11	B,Sti/AK	2775	DAO		zeTC
D -NDB Beeskow	36	PPC/ via E-Berlin	402	"BKW"	50w	mo67
D -NDB Berlin/Sch"nefeld	26	PPC/ f/up via E-Berl	309	"MW"	50w	mo67
D -NDB Bugk	20	PPC/RP,Fo via Dresden	353	"HM"		fd40
D -NDB Bugk	36	PPC/ via E-Berlin	353	"HM"	50w	mo67
D -NDB Donaueschingen	2	PPC,Sti/Fo,RP	345	"DVI"		fd40
D -NDB Erfurt	18	PPC/RP,Fo	410	"RF"	80w	fd40
D -NDB Fritzlar	20	PPC/RP,Fo	468	"FTZ"	100w	fd40
D -NDB Helmholtz	8	PPC/ f/up via Berlin	347	"DBR"	100w	mo67
D -NDB Hohenfels	4	PPC/Fo,RP	286	"HFX"	50w	fd40
D -NDB Ingolstadt	2	PPC/Fo,RP	490	"IGL"	70w	fd40
D -NDB Kamenz	26	PPC/ f/up via E-Berl	413	"KZ"	50w	mo67
D -NDB Landsberg	7	PPC/SASE	448	"LQ"	40w	js33
D -NDB Leipzig	26	PPC/ f/up via E-Berl	357	"MA"	50w	mo67
D -NDB Leipzig	26	PPC/ f/up via E-Berl	425	"M"	50w	mo67
D -NDB Leipzig	26	PPC/ F/up via E-Berl	446	"SK"	50w	mo67
D -NDB Machern	26	PPC/ f/up via Berlin	335	"MRN"	50w	mo67
D -NDB Mnchen	9	PPC/RP	331	"MUN"	50w	fd40
D -NDB Oberpfaffenhofen	9	PPC/RP via Munich	429	"OBI"		fd40
D -NDB Ottendorf	20	PPC,I/RP,Fo via Dres	370	"FS"	56w	fd40
D -NDB Pferdsfeld	25	PPC/RP	394	"PFF"		hb31
D -NDB Planter	8	PPC/ f/up via w-Berl	327	"DIP"	100w	mo67
D -NDB Reinsdorf	26	PPC/ f/up via E-Berl	436	"RSF"	50w	mo67
D -NDB Rheine/Bentlage	28	PPC/ dir	401.5	"BET"	100w	mo67
D -NDB Trent	21	B,PPC,Map/RP,Fo	348	"TRT"	50w	fd40
D -Norddeich R.	2	B/RP back	8628.5	DAM		hb31
D -Norddeich R.	6	B,Sti/AK,SASE	8483	DAN		ai41
D -TS Braunschweig	10	K,I/AK,RP	77.5	DCF77	50kw	ai41
DNK-Lyngby R.	30	K/-	1613			fmI
DNK-NDB Billund	91	PPC,B,AK,Sti/IRC,Fo	341	"LO"	20w	fd40
DNK-NDB lborg	89	PPC,Fo/IRC,Fo	398	"GL"	15w	fd40
E -NDB Costix	201	PPC/	351	"CST"	200w	mo67
F -NDB Agen/La Garenne	10	PPC/ dir	400.5	"AG"	25w	mo67
F -NDB Angers/Avrill,	15	PPC no det/ dir	411.5	"AS"		mo67
F -NDB Bale/Mulhouse	7	PPC/Fo,IRC back	306	"BN"	25w	fd40
F -NDB Charles-de-Gaulle	15	PPC/IRC,Fo	364.5	"RSO"	20w	fd40
F -NDB Clermont-Ferrand	8	PPC/Fo,IRC back	367.5	"CF"	20w	fd40
F -NDB Le Touquet	8	PPC/IRC,Fo	358	"LT"	20w	fd40
F -NDB Montpellier	24	PPC/IRC,Fo	339	"FG"	20w	fd40
F -NDB Pau	13	PPC/Fo,IRC	397.5	"PO"	25w	fd40
FNL-NDB Espoo	29	PPC,I/ via Vantaa	381	"ESP"	500w	mo67
FNL-NDB Hyvink,,,"	37	PPC/ via Vantaa	396	"HYV"	300w	mo67
FNL-NDB Kuopio	16	PPC/RP	310	"KUR"		hb31
FNL-NDB Turku	17	K/ dir	389	"RK"	350w	mo67
G -Aberdeen CGR.	18	B,PPC,I/	2182		1kw	mo67
G -Dover CGR.	26	PPC,I/AK,SASE	2182		250w	ai41
G -Hyskeir Lt.	32	B/RP	2182			hb31
G -NDB Bournemouth/Hurn	17	PPC,Book,Sti/RP,Fo	401.5	"HRN"	75w	fd40
G -NDB Clacton	28	PPC/-	295	"CLN"	45w	js33
G -NDB East Midlands	38	PPC,B/RP	353.5	"EME"	55w	js33
G -NDB Henton	17	PPC,B,I/- via LCY	395	"HEN"	25w	js33
G -NDB Manchester	20	PPC/RP,AK	396	"ME"		fd40
G -NDB Norwich	30	PPC,B,Fo/RP	371.5	"NH"	12w	js33
G -NDB Oldham	20	PPC/RP,AK	344	"OLD"		fd40
G -NDB Outer Gabbard Lv.	41	PPC,I/SASE	287.3	"GA"	50w	js33
G -NDB Shoreham	9	PPC/-	332	"SHM"	5w	js33
G -NDB Strumble	8	PPC/RP,Fo	400	"STU"		fd40
G -NDB Unst	41	PPC,B,I/SASE	325	"UT"	62w	js33
G -Rhins of Islay Lt.	12	PPC/RP	2182			hb31
GHA-Accra Air	26	PPC/-	5804	9GC	1kw	js33

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GRC-NDB Aegina	27	PPC/IRC,Fo via Ath	382	"EGN"	200w	fd40
GRC-NDB Kavouri	27	PPC/IRC,Fo via Ath	357	"KVR"	700w	fd40
GRC-NDB Preveza	27	PPC/IRC,Fo via Ath	353	"PRV"	200w	fd40
I -NDB Campagnano	239	PPC/	301.5	"CMP"	120w	mo67
I -NDB Elba	18	PPC/RP, Fo	360	"ELB"		fd40
I -Venezia R.	14	PPC/	2182		1kw	mo67
IPA-Mataveri Air	37	PPC/AK,1\$ 3 f/ups	13200	CAI7E	3kw	ai41
IRL-Irish Army Dublin	9	PPC/IRC	19770.7	0	400w	js33
IRL-NDB Dublin/Rush	23	PPC, Fo, B, I/IRC, SBM	326	"RSH"	50w	fd40
IRL-NDB Foynes	15	PPC, B, I/ via Dublin	395	"FOY"	50w	mo67
ISL-NDB Djpivogur Lt.	35	K/IRC via Goofynes?	298.8	"DV"		js33
IWA-HMS Beagle	101	PPC/-	2182	GXBH		js33
IWA-Lifeboat Aith	35	PPC/AK, SASE	2182	GFRC		ai41
IWA-Lifeboat Eyemouth	24	PPC, B, Fo's, I/-	2182	2EQW	120w	js33
IWA-MARS USS Pensacola	54	PPC, B/AK	14483.5	NNN0COQ	25w	zeTC
IWA-MS Apolda	208	PPC, Fo, /Fo, RP	12432.3	Y5BI	1kw	fd40
IWA-MS Bridgeman	21	PPC/-	2182	GPOF	500w	js33
IWA-MS British Claymore	21	PPC/	2182	GDZA		mo67
IWA-MS Claymore	21	PPC, B, Fo, I/-	2182	GYAE	200w	js33
IWA-MS Eiswette	6	PPC, AK, Sti/	1655	DBAL	400w	mo67
IWA-MS Far Minara	47	PPC/SASE	2524	GCXF		ai41
IWA-MS H J Kratschke	11	PPC, AK/	1655	DBAU	50w	mo67
IWA-MS Languedoc	173	B/RP, Fo	16587.1			fd40
IWA-MS Loreley	67	PPC, I/AK, SASE	2182	3EWN4	400w	ai41
IWA-MS Mintrop	66	PPC/	2182	DFCX	400w	mo67
IWA-MS Norasia Athena	30	PPC/AK, SASE	16587.1	DNET	400w	ai41
IWA-MS Oil Champion	36	PPC/AK, SASE	2182	GIGA		ai41
IWA-MS Oil Chancellor	31	PPC/AK, SASE	2182	MFHV6		ai41
IWA-MS OSA Dundee	19	PPC, Fo/SASE	2182	GDTZ		ai41
IWA-MS Otto Schlke	11	PPC/	1655	DBAO	75w	mo67
IWA-MS Parktor	50	PPC, Fo's/-	2182	PJIC	400w	js33
IWA-MS Royal Viking Star	17	PPC/AK, 1\$	8222.9	C6CN2	1kw	ai41
IWA-MS Schelde III	43	B, Fo/-	2182	ORPS	200w	js33
IWA-MS Star Spica	32	PPC, X-mas K/AK, SASE	2182	GFKY	400w	ai41
IWA-MS Walter Hammann	20	PPC/AK, SASE	2361	DFVT		ai41
IWA-Platform Forties D	26	PPC, B/AK, SASE	2182	GUTP	150w	ai41
IWA-Platform Gullfaks B	22	PPC, B, Fo/-	2182	LF3M	125w	js33
IWA-Rig Borgsten Dolphin	89	PPC, Sti, I/RP	2182	3ETJS	1.5kw	js33
IWA-Rig High Seas Driller	17	B, PPC, I/	2182	GCWP	200w	mo67
IWA-Rig Penrod 85	22	PPC/AK, SASE	2182	WRA4842		ai41
IWA-Rig Polycastle	44	PPC/SASE	2084	LFGE	500w	ai41
IWA-Rig Ross Isle	27	PPC/AK, SASE	2182	LFTR	400w	ai41
IWA-Rig Sedco 706	16	PPC, B/AK, SASE	2182	ELLW6	250w	ai41
JMY-Jan Mayen R.	38	Copy of QSL-K/	1722	LMJ	1kw	mo67
JMY-Jan Mayen R.	40	PPC/IRC 5th try	2182	LMJ	1kw	js33
KEN-Nairobi Meteo	76	PPC, B/AK, IRC	9041	5YE	6kw	ai41
MDR-POR Ny Porto Santo	32	B, PPC, I/	12057	RPTMB	400w	mo67
MLT-NDB Malta	27	PPC, B/IRC, Fo	416	"MTA"	100w	fd40
NIG-Kano Air	29	PPC/SAE, 1\$ 2 f/ups	7817.5	5NK	200w	ai41
PHL-Manila Air	31	PPC, B/AK, 1\$	11396		5kw	ai41
PNG-Port Moresby R.	31	PPC, B/AK, 1\$, SBM	13042	P2M	1kw	ai41
PNR-USAF Albrook	33	B/	8993			mo67
PNR-USAF Albrook	90	B/-	8993			fmI
POL-NDB Slubice	40	PPC/ via Warsaw	336	"SUI"	40w	mo67
POL-NDB Warsaw	40	PPC/	455	"H"	40w	mo67
POL-Szczecin R.	42	K, PPC/1\$	2810	SPO	5kw	hb31
S -NDB Boden	16	PPC/SASE	410	"BO"		js33
S -NDB Eskilstuna	9	PPC/	402	"LX"	5w?	mo67
S -NDB Mrebro	18	PPC/	400	"EN"	70w	mo67
SHN-C&W Saint Helena	90	B/-	11092.5			fmI
SUI-NDB Bern/Belp	9	PPC, Maps/SBM, AK, IRC	366.5	"BER"	20w	fd40
SUI-NDB Grenchen	6	PPC, K/SBM, RP	326	"GRE"	30w	fd40
SUI-NDB Les Eplatures	13	B, Fo, Sti, I/IRC, Fo	403	"LPS"	25w	fd40
SUI-NDB Les Eplatures	17	PPC, Sti, I/	403	"LPS"	25w	mo67
SUI-NDB Muri	9	PPC, B/SBM, AK, IRC	312	"MUR"	20w	fd40
TCH-NDB Jelsava	16	PPC, B/-	489.5	"JEL"	100w	js33
TCH-NDB Praha-Ruzyne	16	PPC, B/-	438	"OKL"	60w	js33
TCH-NDB Sturovo	16	PPC, B/-	377	"OKI"	100w	js33

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TCH-Prague R.	62	PPC,AK/	8544	OMP	1.2kw	mo67
URS-Odessa R.	45	B,K,PPC/RP	17063	UDE/UFB	5kw	hb31
URS-Odessa R.	55	PPC,B,Ham-K,AK/-	447	UDE	500w	js33
USA-Highseas R.	27	K,I/AK,1\$ back	8746.8	WOM	10kw	ai41
USA-MARS Augusta,GA	28	PPC/	14485	AAV4AN	100w	mo67
USA-MARS Fort Bragg	26	B,PPC/RP	14485	AAR4USC		hb31
USA-MARS Fort Eustis,VA	98	PPC,B/AK,1\$	14402	AAR3USF	250w	ai41
USA-MARS Fort Monmouth	26	B,PPC/RP	20994	AAR2USI		hb31
USA-MARS Fort Monmouth,NJ	20	PPC,B/AK,SASE	20940	AAR2USI	1kw	ai41
USA-MARS Fort Riley,KS	45	PPC,B/AK,1\$ back	20994	AAT7USD1	1.5kw	ai41
USA-MARS Greenwood	18	K,PPC/RP	14485	AAV4KB		hb31
USA-MARS Joplin	20	PPC/RP	20994	AAT7ME		hb31
USA-MARS Joplin,MO	26	PPC/	20941	AAT7ME	500w	mo67
USA-MARS MCLB Barstow	47	PPC,B/RP	16298.5	NNN0MBA	1kw	js33
USA-MARS Nassau,NY	31	PPC/1\$,AK	14477	NNN0GKM	200w	ai41
USA-MARS Vestal,NY	21	PPC,Ham-K/	20994	AAR2LA	100w	mo67
USA-MARS Yarmouthport	27	K,B/RP	20994	AAR1JW		hb31
USA-USAF McDill,FL	45	B/	8993			mo67
VEN-LDOC VIASA Maiquetia	155	B,Ham-K/1\$ back	8924			mm35
VTN-Ho-Chi-Minh Ville R.	29	PPC,AK/IRC,AK,SBM	13042.5	XVS	1kw	ai41
VTN-Ho-chi-Minh Ville R.	37	K,PPC/IRC	13042	XVS	1kw	hb31
YUG-Dubrovnik R.	34	K,PPC/1\$	2615	YUX		hb31
YUG-NDB Sali Island	29	PPC/Fo,IRC dir	298	"SAL"	80w	fd40
YUG-NDB Zadar	29	PPC/Fo,IRC dir	348	"ZK"	20w	fd40
ZAI-PTT Lubumbashi	48	B,PPC/AK,IRC	20410	9RE395	5kw	ai41

QSL C&W Saint Helena was for a special transmission for Nordic DX Championship (fmI). How does such a special transmission look like? (ed)

V E R I E S I G N E R / A D R E S S E S

MARS MCLB Barstow (NNN0MBA): USMC, Communications Branch, Marine Corps Logistics Base, Barstow, CA 92311-5012 - V/s Jeffrey C Nelson, CHOP and GYSGT USMC

Odessa Radio (UDE): Alex Slyusarenko, PO Box 300, Odessa 270000, Ukraine
 NDB Boden "BO": Norrbottens Arm, flygbataljon, C ATS, Boks 9107, S-96119 Boden, Sweden (alle de js33)

Szczecin Radio (SPO): Coast Station Szczecin Radio, PL-72-015 Police, Poland (hb31)

LDOC VIASA Maiquetia: VIASA Venezolana Internacional de Aviación S.A., Sede Central, Edificio "Torre Viasa", Apartado Postal 6857, Calle Sur 25 con Plaza Morelos, Los Caobos, Caracas, Venezuela. V/s Capitan Boris Prusza Voilan, Ham-Call YV5PV (mm35) mm35s QSL kam aus Frankfurt. Eher via?

NDB Montpellier/Fr,jorgues "FG": Direction Regionale de l'Aviation Civile Sud-Est, Aéroport Montpellier/Fr,jorgues, F-34134 Mauguio Cedex (fd40)

USAF Elmendorf: James E Davis, MSGT, 1930 CS/DOJA, Elmendorf AFB, AK 99506
 USAF McDill: Robert Smith, SSgt, 1928 CG/DOJA, McDill AFB, FL 33608-6345
 V/s Jan Mayen R.: Per-Einar Dahlen
 V/s POR Ny Porto Santo: O Director Nuno Jorge Faria de Mendonça, Cap Ten
 V/s Mark J Patten, SSgt, Chief Operator Albrook GCCS, 1978th Communications Group, Howard AFB, APO Miami, FL 34001 (mo67 and fmI)
 V/s Aberdeen CGR: R F Turkentine, Station Officer
 NDB Angers/Avrill,: Ministère des Transports, Secrétariat Général ...
 l'Aviation Civile, Région Aeronautique Pays de Loire, Aéroport d'Angers-Avrill, F-49240 Avrill,
 NDB Eskilstuna: Eskilstuna Flygklubb, Boks 53, S-631 02 Eskilstuna
 V/s POL NDB via Warsaw: Tadeusz Pawlowski (alle via mo67)

V/s PTT Lubumbashi: Kapitao Mambweni and Tshimanga Lukungulu
 V/s Port Moresby R.: Joel B Misirem, A/G Manager (von ai41)

I N F O S

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Die Adresse der Rig "Amethyst" (Caledonian Drilling) im Utility Address Handbook ist nicht mehr gltig. Der Brief kam mit der Bemerkung "Empf.,nger verzogen" zurck (hb31).

OM fmI wants addresses for MARS Erlensee AEM1FGT and for "Ambulanz Stuttgart". "Ambulanz 90" was in flight to Ramstein AFB (from somewhere in the Gulf), so probably something military? Erlensee is: ATTN: DSCC Fliegerhorst, Am Fliegerhorst, Geb.,ude 1320, D-6455 Erlensee, FRG

The Dutch diplomatic service is now using RTTY TWINPLEX F7B4 on the following freqs: 15729.2, 18461.5, 18446.5, 19306.5, 19731.5, 23561.5 and 23571.5.

The following are using TWINPLEX F7B1:

- (a) Australian diplo: Unid 14990.7, Embs Tehran and Damascus 18266.7
- (b) Pakistan diplo: MFA 18011.7, 20051.7, Washington 20011.7, Dhaka 20976.7 and Riyadh 24006.7
- (c) Spanish diplo: MFA and Abu Dhabi 18597.5, MFA 22823.5 (amG)

Notes on the same subject by mm35 (translated from German by your ed):
"New modes are coming, several MFAs switched to new transmitting modes manufactured for their special requirements (as the Swedish MFA did) or use less common special codes. The Hungarians prefer Duplex-ARQ with 125 Baud. When commencing the qso they monitor a limited frequency range for free transmission channels. During the qso the frequency can be changed in 400Hz steps in case of interferences. Romania uses Spread 51 with 102 Baud since the unmentioned disappearance of the Conducator and in addition a FEC omnidirectional transmission mode with 165 and 213 Baud. The Bulgarians have their own FEC mode too (in addition to the normal 75 Baud Baudot). Actual news from the Gulf region are supplied by the ICRC via their stations in Baghdad, Amman and the outposts in the desert. These are clear transmissions in E/F/G to Geneva with a new HC-ARQ mode with 240 Baud. French embassies, especially in North- and South America have qsos with Paris in ARQ6-90 with 200 Baud (in addition to FEC-A 144 Baud and 75 Baud Baudot).

The Italians use, besides Sitor-ARQ with 100 Baud, ARQ-E with 96 Baud and 8 repetition cycles (like the Germans do). The Turks can be heard in FEC-A 144 Baud and 192 Baud.

Further new RTTY modes are TWINPLEX-ARQ (Norway, Finland, Denmark), POL-FEC and POL-ARQ (Poland), TOR-G, RS-ARQ, SIM-ARQ, ES-ARQ and the BUL and ROU-FECs mentioned above. (tnx mm35 fb)

Notes on MARS stations:

NAVY:

NNNOC.., NNNONX.., NNNONZ.. are warships
NNNON.. are Naval bases (except the above)
NNNOM.. are Marine corps bases worldwide
NNNO... except for the above, these are amateurs operating with MARS license

USAF:

AGA.. are bases
AGA0.. are located in South and Central America
AGA1-6.. located in the US
AGA7.. located in Europe, Africa and Middle East
AGA3&7.. located in Germany
AGA8.. located in the Far East and Pacific
AGA9.. located in Alaska

ARMY:

ABM4.. located in Korea and possibly Japan
ABM6.. located in Hawaii
ALM7.. located in Alaska
ACM4.. located in Puerto Rico
ACM5.. located in Panam
AEM1..,AAA1..,AAF7.. located in Germany
AEM3.. located in Saudi Arabia

In the US c/s are related to amateur calls, i.e. AAR3JA could be W3JA or K3JA. Bases often have a "U" or a "W" following the figure i.e. AAR5USB US Army MARS Fort Jackson Illinois. The following relating to AAR - US Army MARS c/s may be useful: AAR1 Massachusetts, AAR2 New York, New Jersey, AAR3

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Pennsylvania, AAR4 Georgia, Tennessee, Alabama, N.&S. Carolina, Kentucky, AAR5 Illinois, AAR6 New Mexico, AAR7 Nebraska, AAR8 Maryland, AAR9 California (de amG ufb)

Unid MARSians from fs79 and ai41: AAR5NSF, AAR3USI, AAV4TN, AAT3USW, AAR4CSS, AAV5TW, AFB1BW, AFC3RI, AFQ372, AFA1QW. Any proposals?

Fr jwA: Lieber Johann, das Address Handbook gibt es direkt beim wilhelm-Herbst-Verlag immer noch zu erwerben.

Last but not least I would like to welcome two new members, namely Franz S (fs79) and Flavio G (fgI). Have fun!

Fee received from jwA, zeTC, fgI, fs79..
Due to pay: ikG, jvNL, ns30 (last issue 2/91); kjs, rbNL, koCH, amG, fmI (last issue 3/91), die Herren wm72 und js33 sind berf,,llig!

Many thanks to the following OM: fs79, amG, pcG, zeTC, mm35 (tausend Dank fr die reichliche Spende!!!!!!), ai41, fd40, hb31, fmI, js33, mo67 and to our maritime specialist hl71.

Hi there! This time I write my introduction in English, because I have to apologize for the delay in a language which all members may understand. The reason for this delay was the fact that I had to submit my Ph.D. thesis to the Faculty till the 28th March. So I had too much to do with the layouting and printing of my 365 pages of paper.

NON DIRECTIONAL BEACONS

312.6	0328	GU	Geitungane Lt.	NOR	id+tone	fd40
312.6	0330	UT	Utsira Lt.	NOR	id+tone	fd40
328	0317	CL	Carlisle	G	id	fd40
337	0255	MY	Myggenes	FAR	id	fd40
338	2159	GE	Birmingham	G	id	pcG
342.5	2201	VA	Vannes	F	id	pcG
346	0240	GS	G,,vle	S	id	fd40
347	2213	GX	Birmingham	G	id	pcG
349a	??	SDM	Unid	id	SUM 351 khz? ed	pcG
357	0234	VZ	Veenhuizen	HOL	id	fd40
358.5	0232	RNN	Roanne	F	id+tone	fd40
366	0149	UTH	Uthaug	NOR	id	fd40
368	0141	FN	Finndal	NOR	id	fd40
374	0125	CPR	Unid	id		fd40
377	1908	KN	Norrk"ping	S	id	pcG
383	2215	MAR	Marseille	F	id+tone	nr75
385	1923	OAN	Orl,ans-Bricy	F	id+tone	pcG
387	0402	RZ	Rodez-Narcillac	F	id+tone	nr75
390	0315	LV	Arvika	S	id	fd40
394	1928	NV	Nevers	F	id+tone	pcG
394	2300	NV	Nevers	F	id+tone	nr75
395	2243	FOY	Foynes	IRL	id	pcG
396	2239	ROC	Rochefort	F	id+tone	pcG
396	2305	AI	Aveiro	POR	id+tone s/off end Jan.	nr75
406.5	2249	BOT	Bottrop	D	id	pcG
407	0140	BG	Berga	S	id	nr75
408.5	1955	FY	Finningley	G	id	pcG
411.5	2253	AS	Angers	F	id+tone	pcG
419a	0207	VA	Unid	id+tone		nr75
432	0143	LOS	Losinj	YUG	id+tone	nr75
435a	0147	TNJ	Unid	id+tone		nr75
506a	2000	MR	Unid	id		pcG
510	1954	SN	Saint Yan	F	id+tone	pcG

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518	0100	UDN	Novorossiysk R.	URS	cw-de	zeTC
2182	0004	CUL	Lisbon R.	POR	E clg all ships	fd40
2182	0005	VCO	Sydney CGR.	CAN	E wkg OW2325	fd40
2182	0012		Rig Glomar Biscay II	IWA	E wkg wick R.	fd40
2182	0218		Moray CGR.	G	E wkg ships	fd40
2182	0250	4XO	Haifa R.	ISR	E wkg AS2623	fd40
2182	0448	LGL	Florí R.	NOR	E/NOR clg all stns	fd40
2182	0449	LGA	Lesund R.	NOR	E/NOR clg all stns	fd40
2182	1737	5BA	Cyprus R.	CYP	GR id	fgI
2182	1745	SPS	Witowo R.	POL	E wkg V2PN	fd40
2182	1848		Rig Glomar Firth I	IWA	E wkg Maersk Highland.	fd40
2182	2040	TAH	Istanbul R.	TUR	TUR wkg	fgI
2182	2042	ICP	Mazara R.	I	I clg	fgI
2182	2044	IQQ	Trapani R.	I	I clg	fgI
2182	2045	IQP	San Benedetto R.	I	I clg	fgI
2182	2332	NMF	USCG Boston	USA	E clg	fd40
2182	2334	CTN	POR Ny Apulia	POR	POR clg all	fd40
2182	2335	EAC	Tarifa R.	E	E/S all ships	fd40
2182	2343	VON	Saint John's CGR.	CAN	E wkg Atlantic Rivert	fd40
2182	2354	VOO	Comfort Cove CGR.	CAN	E clg Overstar	fd40
4284	2330	A9M	Bahrain R.	BHR	cw-de	hl71
8441.4	2021	5ZF	Mombasa R.	KEN	cw-cq	nr75
8461	2300	CBA	Antofagasta R. (tent.)	CHL	cw-cq	nr75
8529a	2030	HML	Nampho R. (tent.)	KRE	cw-cq	nr75
8628.5	2050	NOJ	USCG Kodiak	ALS	cw-cq	nr75
8686	0140	UVA	Gelendzhik R.	URS	cw-de	zeTC
8746.8	1925	SPO41	Szceczin R.	POL	POL clg	fgI
8749.9	1930	TAH	Istanbul R.	TUR	TUR clg	fgI
8753	0228	LPC34	Ushuaia R.	ARG	E/S vm-f	zeTC
12665	0533	FUM	F Ny Papeete	OCE	cw-vvv	zeTC
12678	2200	UQB	Kholm'sk R.	URS	cw	hl71
12709	0812	FJP23	Noum,a R.	NCL	cw-cq	pcG
12710	2307	XSZ	Dalian R.	CHN	cw-cq	pcG
12775	2312	XFU	Veracruz R.	MEX	cw-cq	pcG
12808.5	2144	VTG7	IND Ny Bombay	IND	cw-vvv	pcG
12811.5	2200	JFG	Shizuoka-ken Fisher.R.	J	cw-cq	pcG
12829.5	0511	XFM	Manzanillo R.	MEX	cw-vvv cq	zeTC
12829.5	0827	XFM	Manzanillo R.	MEX	cw-vvv	pcG
12840	1930	JMC5	Tokyo Meteo	J	cw	hl71
12844.5	0130	KFS	Palo Alto R.	USA	cw	hl71
12867	2215	NPO	US Ny San Miguel	PHL	cw	hl71
12879.5	0512	WSC	Tuckerton R.	USA	cw-de & tfc list	zeTC
12888.8	2139	DZK	Manila-Bulac n R.	PHL	cw-clg & wkg	pcG
12889.5	0808	NMO	USCG Honolulu	HWI	cw-cq	pcG
12948	2230	JJF	J Ny Tokyo	J	cw-cq	pcG
12955	2210	UFL	Vladivostok R.	URS	cw	hl71
12990	1930	UKK3	Nakhodka R.	URS	cw-clg 4KT	nr75
12990	2250	UKK3	Nakhodka R.	URS	cw	hl71
13042	0802	P2M	Port Moresby R.	PNG	cw-cq	pcG
13042	0902	P2M	Port Moresby R.	PNG	cw-cq	nr75
13042.5	0910	XVS	Ho-chi-Minh Ville R.	VTN	cw-cq	nr75
13042.5	2100	PJC	Curaçao R.	ATN	cw	hl71
13056	1605	S3D	Chittagong R.	BGD	cw	hl71
13057.5	2110	LSA	Boca R.	ARG	cw-qtc list	pcG
13065	1859	5OW	Lagos R.	NIG	cw	hl71
13187.6	0820	KMI	Dixon R.	USA	cw-tfc list	hl71
16870.5	2120	DZJ	Manila-Bulac n R.	PHL	cw	hl71
16877.3	2145	ZLO	RNZL Ny Irirangi	NZL	cw	hl71
17011	1320	XSX	Keelung R.	TWN	cw-cq	fd40
17025	2100	UPB	Providenia Bukhta R.	URS	cw	hl71
17052.5	1300	JNA	Tokyo R.	J	cw-vvv cq	fd40
17146.4	2130	NRV	USCG Guam	GUM	cw	hl71
17184.8	1210	PKE	Amboina R.	INS	cw-cq	fd40
17222	1941	VPS83	Cape d'Aguilar R.	HKG	cw-SITOR	zeTC
17227	1043	UFL	Vladivostok R.	URS	cw-de SITOR	zeTC
17236	0130	KMI	Dixon R.	USA	cw-tfc list	hl71
17301.1	0950	UFB	Odessa R.	URS	R clg ship	zeTC

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17325.9	0901	BVA	Taipei R.	TWN	E/CH	vm-f	zeTC
17325.9	0906	WOO	Ocean Gate R.	USA	cw-cq		zeTC
22435	0900	UFL	Vladivostok R.	URS	cw-cq		nr75

A E R O N A U T I C A L

8855	0002		Asunci�n Air	PRG	S	clg	La Paz	nr75
8864	1940		Gander Air	CAN	E	clg		fgI
8939	1942		Moscow Volmet	URS	R	wx		fgI
8942	2129		Ho-chi-Minh Ville Air	VTN	E	clg	a/c	nr75
8984	2209		USCG Portsmouth	USA	E	wkg	CG1709	fd40
8984	2237		USCG Miami	USA	E	clg	a/c	nr75
11176	1917		USAF Ascension	ASC	E	clg	a/c	nr75
11396	1448		Jakarta Air	INS	E	wkg	a/c	nr75
11396	2208		Merida Air	MEX	S	wkg	Cubana 9739	fgI
13306	1958		Santa Maria Air	AZR	E	wkg	Concorde 272	fgI
13306	2027		Shanwick Air	IRL	E	wkg	Concorde 272	fgI
13306	2206		New York Air	USA	E	wkg	Air Cubana 479	fgI

F I X E D B A N D S

2680.5	2027	DHJ59	G Ny wilhelmshaven	D	cw-vvv		zeTC	
4867.5	1146	FDG	FAF Bordeaux	F	cw-vvv		amG	
7701	0318	PCW1	MFA Den Haag	HOL	cw-SITOR		zeTC	
7817	1407	FDI	FAF Aix-les-Milles	F	cw-vvv		zeTC	
7964	0002	PWH33	DHN Trindade	TRD	cw-clg	PWW22	nr75	
9125	1204	FDG21	FAF Cognac	F	cw-vvv		amG	
16206	1729	SDJ	Stockholm R.	S	SW	wkg	zeTC	
16268	1748	SAG	G"teborg R.	S	cw-MARITEX		zeTC	
18300	2140		ENTEL Buenos Aires	ARG	Feeder	R.Mitre USB	mm35	
18710	1900	ZLX	PTT wellington	NZL	E	clg & wkg	Pitcairn	nr75
18782.6	2115		VOA Greenville	USA	Feeder		mm35	
20065	0945		Nyala Project	TNZ	E/D	via	Portishead	mm35
20994	1830	AFA7MJ	MARS Ramstein	D	E	wkg	AAT9UI Calif.	mm35
23750	0930	OEY32	AUT UNDOF Golan	SYR	to	Salzburg	mm35	
23750	1735	OEY532	AUT UNIFCYP Larnaca	CYP	msgs		mm35	

R A D I O T E L E T Y P I N G

7660.6	1712	EPD	Teheran Air	IRN	ry		50	amG
10283.2	0007	RFFA	Mod Paris	F	to	Fort-de-Fr.	ARQ E 72	amG
10336.3	1720	JTD29	MONTSAME Ulan Bator	MNG	E	nx		50
10654.2	1729	HSD	Bangkok Air	THA	ry	to	Dhaka	50
10800	2318	RFLI	FF Fort-de-France	MRT	to	Paris	ARQ E 72	amG
11123.5	0840		PIAB Bonn	D	G	nx	FEC A 96	mm35
11241.7	0025	KNY29	EGY Emb Washington	USA	rel	Caracas	SIT A	amG
11296.7	1647		EGY Emb Nouakchott	MAU	to	Cairo	SIT A	amG
12246	1410	HZN	Jeddah Meteo	ARS			50	h171
13323	1600		TUR Emb Teheran	IRN	to	Ankara	FEC A144	amG
13495	1605		I Emb Moscow	URS	to	Rome	ARQ E 96	amG
13580	2325		KCNA Pyongyang	KRE	E	nx		50
14405	1540		UNHCR Damascus	SYR	to	Geneva	SIT A100	mm35
14478	1733		UNHCR Luanda	AGL	to	Geneva	SIT A	amG
14478.5	0850	OEC100	MFA Wien	AUT	G	wkg	SI ARQ96	mm35
14478.5	0915		AUT Emb Tel Aviv	ISR	lgps		SI ARQ96	mm35
14546.5	0825		I Emb Washington	USA	to	Rome	SIT A	amG
14546.5	0845		I Emb Tunis	TUN	lgps		SIT A100	mm35
14597.2	1150	SOO259B	Warszawa R.	POL	nx		SIT B100	mm35
14764	1610	A9M70	GNA Manama	BHR	E	nx		75
15226	0846	TAD	MFA Ankara	TUR	tfc	lst	to	CHNFEC A144
15696.5	2310	CLN484	PTT Habana	CUB	ry		ARQM2 96	mm35
16071.7	1820		EGY Emb Rome	I	to	Cairo	SIT A100	mm35
16150.7	1435	MKD	RAF Akrotiri	CYP	ry	& foxes		50
16175.2	2300	NNN0EBF	MARS North Carolina	USA	marsgrams		SIT A100	mm35
16224	1552	3MA35	CNA Taipei	TWN	E	nx		50

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16247.9	1505		VoA Tanger	MRC	clg Greenville	75	mm35
16302	1515		MFA Belgrade	YUG	SC msgs	75	mm35
17380.2	1717	FUG	F Ny La R,gine		F ry	50	amG
17485	1712	V5G	MFA Bucharest	ROU	ROU nx SPREAD 51	102	amG
17532	2215	5KM	CLM Ny Bogot	CLM	S msgs	50	mm35
18047	2205	TTL	ASECNA N'Djamena	TCD	testing	50	mm35
18363.5	2140	9PL	Kinshasa Air	ZAI	de Zaire Centre	50	mm35
18564	0755	TAD	MFA Ankara	TUR	TUR wkg FEC A144		mm35
20011.7	1220	ASP32	MFA Islamabad	PAK	E msgs SIT A100		mm35
20058	1630	KNY32	BUL Emb washington	USA	encryp to sofia	75	amG
20304.7	1545		MFA Cairo	EGY	to Bustan KinshSITA100		mm35
20401.5	2010	YWM1	VEN Ny Caracas	VEN	ry IANTN de YWM1	50	mm35
20475	1850	CXR	URG Ny Montevideo	URG	ry clg PWX	75	mm35
20646	1238		F Emb Amman	JOR	to Paris FEC A192		amG
20708.3	1140	IEE886	CC Station Perdas	I	to CC Leg.Cagliari	50	mm35
20750	1234	OEC	MFA Vienna	AUT	to Emb Ankara SI ARQ96		amG
20786	0832		I Emb Teheran	IRN	to Rome ARQ E 96		amG
21826.6	1616	EAE220	MFA Madrid	E	to Managua SIT A		amG
21853.5	1625		F Commissioner Ft-de-F.	MRT	rel Bogot ARQ6-90	200	amG
22820.7	1152	CLP1	MFA Habana	CUB	to Lagos	50	amG
22904.2	1300		MFA Bonn	D	to La Paz ARQ E 96		mm35
22930.5	1225	SAM73	S Emb Lagos	NIG	to Stock SWED ARQ		amG
23078.9	1300	SAM	MFA Stockholm	S	msgs SWED ARQ 100		mm35
23305.3	1645	RFQP/QPA	FF Djibouti	DJI		ARQM2200	mm35
23432.2	1240	HDN	EQA Ny Quito	EQA	ry	75	amG
23455	1223	CLP9	CUB Emb Aden	YMS	rel Phnom Penh	75	amG
23692	1620	ZPK	PRG Ny Asunci�n	PRG	wkg Quito	75	mm35
23716.8	1930	RFLI/LIH	FF where?			ARQ E396	mm35
23964	1630	TAD57	TUR Emb Stockholm	S	to Ankara FEC A192		amG
23977	1840	LOR	ARG Ny Belgrano	ARG	nav warning	75	mm35
24232	0955	"DOR"	MFA Sofia	BUL	BUL wkg	75	mm35
24271.5	1125		I Emb Teheran	IRN	to Rome SIT A		amG
24458.8	1030	FJY	TAAF	ANT	ozon sondage ARQ E 96		mm35
24757	1105		I Emb Nairobi	KEN	to O9B Cairo FEC A144		amG
25216	0850	HBD22	SUI Emb Delhi	IND	G/F msgs SIT A100		mm35
25227	0900	HBD20	MFA Bern	SUI	G msgs SIT A100		mm35
27459.5	1530		D Emb Santiago	CHL	G wkg ARQ E 96		mm35

A few remarks to the above logs by mm35. RTTY 24458.8: Nx from french Antarctic stations can be monitored daily from 0800z in ARQ-E 96Bd 8 RC on 24458.8. The transmissions are directed to TAAF Paris and originate tent. from FJY3 Dumont d'Urville, Terre Ad,lie (Routing Indicator is DISTA). On this freq nx are transmitted also from FJY2 Port-aux-Français (DISKER), FJY4 Martin de Vivies, Saint Paul & Amsterdam (DISAMS) and FJY5 Crozet Island (DISCRO) to Paris. These stations transmit their msgs to DISTA on lower freqs and have less power. As there is much relay tfc it seems that these bases don't have links to Paris on shortwave.
 RTTY 23305.3 and 23716.8: The second figure behind the routing indicator is the so-called channel marker, which is (in contrary to the routing indicator, which is transmitted without further amendment also via relay) the only reliable hint to the qth of the station, says mm35.

A B B R E V I A T I O N S

PIAB = Presse- und Informationsamt der Bundesregierung
 lgps = letter-groups
 GNA = Gulf News Agency

C O M M E N T S

NL 1/91: 6495.5 - 2127 - UBN - Idanov R. in cw/SITOR
 NL 2/91: 8441.4 was 0010 UTC
 NL 12/90: 16861.7 1325 Belawan R. - no service time, says hl71.

NL 2/91:
 20051.7 c/s of MFA Islamabad is ASP32

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20135 c/s of MFA Bangkok is HSF212BKK
 20385 this is RFFX MOD Paris to RFFXI Bangui, circuit indicator XXI
 20609.5 c/s of SUI Emb Dar es Salaam is HBD53
 20670 this is world Food Programme (WFP) Rome to Kabul
 20715 this is MOD Paris to Libreville
 20812 although RFTJD is the routing indicator for both Douala and Libreville
 the circuit indicator JTA identifies the station as Libreville to
 Paris
 20962.1 c/s of TUR Emb Madrid is TAD28 (amG)

Q S L - U M S C H A U

ANT-Arctovski Base	413	PPC,I/AK,Fo,IRC	22832.3	3ZL301	5kw	dp41
AUS-Esperance R.	80	PPC,K,AK,Fo's,I/IRC	6407.5	VIE	800w	dp41
AUT-NDB Innsbruck	46	PPC,I/AK,IRC	313	"AB"	20w	fd40
AUT-NDB Salzburg	32	PPC,I/AK,IRC	411	"SI"	25w	fd40
AUT-NDB Wien	46	PPC,I/ via Wien	303	"WO"	25w	fd40
BAH-Nassau R.	114	PPC,B,AK/AK,Fo,IRC	8441	C6N	500w	dp41
BEL-NDB Liège	11	PPC/RP	348.5	"LG"	25w	pcG
BEL-NDB Tienen	9	PPC/RP	272	"TN"		pcG
CAN-Churchill Air	29	PPC/AK,Fo,IRC	8891	VAP	3kw	dp41
CAN-Saint Lawrence CGR.	331	PPC,Sti,I/AK,Fo,IRC	2598	VCP	5kw	dp41
CNR-Canarias Air	77	PPC,B,AK/AK,Fo,IRC	8825		1kw	dp41
CTA-NDB Ceuta Lt.	21	PPC/Fo,RP	305.7	"CE"	100w	fd40
D -D Ny Saterland	81	PPC,n/d B/AK,Fo,RP	23.7	DHO38	100kw	dp41
D -D Ny Wilhelmshaven	18	K,AK/Fo,RP	2680.5	DHJ		fd40
D -Kiel R.	19	B/-	500	DAO		pcG
D -NDB Feucht	39	PPC/Fo,RP	398	"FTT"		fd40
D -NDB Mnchen	10	PPC/AK,RP	378	"MC"	20w	fd40
D -NDB Siegerland	84	PPC,I/Fo,RP	489	"SIL"		fd40
D -Norddeich R.	2	QSL-B,I/AK,Fo,RP	8511.9	DAN		dp41
D -Norddeich R.	7	B,Sti/-	2182	DAN		js33
D -Norddeich R.	12	B/-	474	DAN		pcG
D -USCG Sylt Loran	19	PPC,I/AK,Fo,RP	7512.5	DML	1kw	dp41
DDR-Rgen R.	39	K,I/AK,Fo,IRC	8443	Y5M	10kw	dp41
DNK-Rinne R.	41	PPC,AK/AK,Fo,IRC	2182	OYE		dp41
E -NDB Malaga	32	PPC/RP,AK via Madrid	330	"RMA"	80w	fd40
E -NDB Malaga	32	PPC/RP,AK via Madrid	350	"GM"	50w	fd40
E -NDB Rota Lt.	21	PPC/ via Madrid	289.6	"D"	200w	fd40
E -NDB R,us/Tarragona	19	B,PPC/Fo,RP	424	"RES"	100w	fd40
E -NDB Valencia	20	PPC/Fo,RP	340	"VLC"	200w	fd40
F -NDB Ajaccio/Corse	20	PPC/Fo,RP	387.5	"CT"	25w	fd40
F -NDB Annecy-Meythet	19	PPC/RP	512.5	"ME"	25w	pcG
F -NDB Charles-de-Gaulle	20	PPC/AK,RP	370	"CGZ"	25w	fd40
F -NDB Cherbourg Lt.	25	QSL-B/Fo,RP	312.6	"RB"	25w	fd40
F -NDB Dinard	13	PPC,I,Map/SASE	390	"DR"	25w	js33
F -NDB Maçon-Charmay	54	PPC,B/Fo,IRC back	400.5	"MO"	25w	fd40
FAR-USCG Eiëi Loran	18	PPC/AK,IRC,Fo	7512.6	OUN	1kw	dp41
FNL-NDB Kangas	41	PPC,I/Fo,IRC direct	331	"KAN"	500w	fd40
G -Cullercoats R.	10	PPC,K,I/AK,Fo,IRC	2182	GCC	1kw	dp41
G -Falmouth CGR.	20	PPC,I/AK,Fo,IRC	2182			dp41
G -Holyhead CGR.	11	PPC,AK,B,I/AK,Fo,IRC	2182			dp41
G -NDB Aberdeen	7	PPC/RP	377	"AOS"	200w	pcG
G -NDB Brawdy	7	PPC,B/RP	414.5	"BY"	40w	pcG
G -NDB Butt of Lewis Lt.	54	PPC,Fo,B/RP	2182		200w	js33
G -NDB Carnane/Isle of Man	39	PPC/RP	366.5	"CAR"	60w	pcG
G -NDB Kirmington	41	PPC,B/-	365	"KIM"	75w	js33
G -NDB Liverpool	17	PPC/RP	349.5	"LPL"	100w	pcG
G -NDB Scilly Isles	7	PPC/RP	321	"STM"		pcG
G -NDB Sunk Lv.	65	PPC,Fo,I/-	312.6	"UK"	5w	js33
GAB-SHELL Gamba R.	170	P,PPC,Fo's/IRC back	13070	TRP8	500w	dp41
GHA-Black Star R.	153	PPC,B,Fo/AK,Fo,IRC	12755	9GP23	1.5kw	dp41
GRL-Egedesminde/Aasiaat R.	25	PPC,I/AK,Fo,IRC	2182	OYR	1kw	dp41
HOL-NDB Eindhoven	13	PPC/Fo,RP	316	"PH"		fd40
HOL-NDB Eindhoven	13	PPC/Fo,RP	397	"EHN"		fd40
HOL-NDB Ijmuiden Lt.	9	PPC,B,Poster/-	314.5	"YC"		js33
HOL-NDB Teuge	12	PPC/Fo,RP direct	391	"TGE"		fd40

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I -Bari R.	22	PPC/AK, Fo, IRC	2182	IPB	1kw	dp41
I -Cagliari R.	90	PPC/AK, Fo, IRC	2182	IDC	1kw	dp41
I -Civitavecchia R.	39	PPC/AK, Fo, IRC	2182	IPD	1kw	dp41
I -NDB Maccaresse	183	PPC/SASE	345	"FW"	130w	js33
I -NDB Rocca Imperiale	35	PPC/Fo, RP	383.5	"RMP"	100w	fd40
I -NDB Trieste-Vittoria Lt.	17	PPC/IRC back, Fo	311.5	"RD"	100w	fd40
INS-Surabaja R.	56	B/IRC	16861.7	PKD	5kw	pcG
ISL-Isafj"rèur R.	62	K/AK, Fo, IRC	2182	TFZ		dp41
IWA-Lifeboat Arbroath	26	PPC, Fo's, Calend/-	2182	2VAN	50w	js33
IWA-Lifeboat Ilfracombe	19	PPC, Fo/SASE	2182	MLQY2	400w	js33
IWA-Lifeboat Saint Ives	9	PPC, Fo/SASE	2182		50w	js33
IWA-MARS USS Yellowstone	150	PPC, I, Fo/RP	14441.5	NNN0CVV	300w	js33
IWA-MS Breezand	24	PPC/-	2182	PGDM	200w	js33
IWA-MS Grampian Viking	15	PPC/Fo, IRC	2182	GHRE	400w	fd40
IWA-MS Patria	64	PPC/SASE	2182	DABP	400w	js33
IWA-MS Polarfront	54	PPC/RP	2576	LDWR	400w	js33
IWA-MS Western Reliance	24	PPC/-	2182	3ESQ3	500w	js33
IWA-RFA Gold Rover	7	PPC, later B, I, Fo/RP	2182	GREY	250w	js33
IWA-Rig Drillstar	18	PPC, AK/Fo, IRC	2182	C6JQ4	400w	fd40
IWA-Rig Sedco 706	19	PPC, B, I/SASE	2182	ELLW6	250w	js33
JMY-Jan Mayen R.	313	PPC/AK, Fo, IRC f/up	2182	LMJ	1kw	dp41
JMY-USCG Jan Mayen Loran	35	QSL-sheet/AK, Fo, IRC	7512.5	JXP	1kw	dp41
LBN-IRBATT Tibnine	35	PPC/AK, Fo, IRC	19771	"37"	100w	dp41
LUX-NDB Luxemburg	11	PPC/AK, IRC	404	"LW"	50w	fd40
LUX-NDB Luxemburg	13	PPC/IRC	404	"LW"	50w	js33
MLL-NDB Melilla	32	PPC/RP, AK via Madrid	292	"MLL"	250w	fd40
MLT-Luqa Air	41	PPC, B/AK, Fo, IRC	3595	9HA	1.2kw	dp41
MLT-NDB Malta	40	PPC/IRC	416	"MTA"	1kw	pcG
NOR-Stavanger Rescue	327	PPC, B, I/AK, Fo, IRC	5680		1kw	dp41
NOR-USCG B1	14	PPC/AK, Fo, IRC	7512.5	JXL	1kw	dp41
PNG-Port Moresby R.	62	PPC, B/AK, Fo, IRC	13042	P2M	1kw	dp41
POL-Ecological Inst. Warsaw	396	PPC/AK, Fo, IRC	22832.3	3ZB201	1kw	dp41
S -NDB G"teborg-S,,ve	28	B/RP	405	"AV"		pcG
S -NDB Oskarshamn	16	PPC/SASE via Stockh.	370	"DC"		js33
S -NDB V,,stervik	102	PPC, B, I/-	359	"VA"	100w	js33
SDN-Khartoum Air	190	B/-	18545.5	STK	10kw	pcG
SPM-Saint Pierre R.	27	PPC, AK/AK, Fo, IRC	2182	TXU	1kw	dp41
SUI-NDB Les Eplatures	16	PPC, I, B, Fo/-	403	"LPS"	25w	js33
TCD-N'Djamena Air	40	PPC/IRC	9217	TTL	1kw	pcG
TCH-NDB Cheb	41	PPC/50 Crowns	317	"OKG"	100w	fd40
TCH-NDB Jelsava	41	PPC/50 Crowns	489.5	"JEL"	100w	fd40
TCH-NDB Ostrava	41	PPC/50 Crowns	363	"OTA"	60w	fd40
TCH-NDB Poprad-Tatry	41	PPC/50 Crowns	438	"PE"	80w	fd40
TCH-NDB Prague-Dejvice	41	PPC/50 Crowns	429	"D"	60w	fd40
TCH-NDB Prague-North	41	PPC/50 Crowns	356	"PR"	60w	fd40
TCH-NDB Rakovnik	41	PPC/50 Crowns	386	"RAK"	100w	fd40
TCH-NDB Sliac	41	PPC/50 Crowns	412	"FS"	300w	fd40
TCH-NDB Vodochody	41	PPC/50 Crowns	416	"V"		fd40
TCH-Prague R.	53	PPC/AK, Fo, IRC	8544	OMP	1.2kw	dp41
THA-Bangkok Port R.	59	PPC/AK, Fo, IRC	8466	HSC62	1kw	dp41
URS-Moscow R.	65	PPC, B/AK, Fo, IRC	16993	UAT	5kw	dp41
USA-Bridgewater Fire Dept., MA	21	PPC, B, Patch, I/-	33980	KCB281	100w	js33
USA-Houston Air	25	PPC, B, I/-	13330	KER6		js33
USA-MARS USAF Pope AFB, NC	137	PPC/RP	14606	AGA2PO	1kw	js33
USA-Norton Fire Dept., MA	18	PPC, B, Patch/-	33980	KFL570	100w	js33
YUG-Dubrovnik R.	21	PPC/IRC	2182	YUX	2kw	js33
YUG-NDB Banja Luka	28	PPC/-	383	"NA"	80w	js33
YUG-NDB Cavtat	20	PPC, AK/- via Dubrov	397	"CV"	60w	js33
YUG-NDB Gruda	20	PPC, AK/- via Dubrov	414	"GR"	60w	js33
YUG-NDB Koločep	20	PPC/- via Dubrovnik	318	"KLP"	60w	js33
YUG-NDB Požarevac	20	PPC, B/- via Belgrad	294	"POZ"	50nm	js33
YUG-NDB Pula	28	PPC/- direct	420	"GS"	100w	js33
YUG-NDB Sremska Mitrovica	20	PPC, B/- via Belgrad	328	"SMR"	50nm	js33
YUG-NDB Varazdin	19	PPC/ via Zagreb	341	"VAR"	150w	js33
YUG-NDB Velica Goriza	19	PPC/- via Zagreb	325	"VG"	80w	js33

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Black Star Radio 9GP23: Black Star Line, Radio Department, Miss Alberta Minna-Donkoh & Miss Innocentia Yefameku, PO Box 248, Tema, Ghana
 Cagliari Radio IDC: V/s is Francesco Tocco, Il Dirigente La Radiocostiera (dp41)

USS Detroit MARS NNN0CRB: Dennis DiFabio, USS Detroit AOE-4, Fox Division, FPO New York, NY 09567-3015

NDBs Leipzig: Bundesanstalt fr Flugsicherung, FS-Stelle Leipzig, Postfach 10, O-7016 Leipzig

Jan Mayen Radio & Jan Mayen Loran: Forsvarets Tele- og Datatjeneste, Stasjon Jan Mayen, N-8013 Jan Mayen (js33)

NDB R,us "RES": Ministerio de Transporte, Turismo y Comunicaciones, Organismo Autonomo, A,ropuerto de R,us, E-43 R,us/Taragona - V/s Jaime Sord, Arall

NDB Maçon "MO": Chambre de Commerce et d'Industrie de Maçon-Charolles-Tournus, Place Gerard Gener,s, BP 531, F-71010 Maçon Cedex (fd40)

I N F O S

Cf. maritime station "UVA": Name of station is Gelendzhik Radio, located in the eastern part of the Black Sea, not far from town Novorossiysk Radio, Krasnodarski krai. Tnx zeTC

amG informs us about the French diplomatic service. Transmission modes: 50 & 75 Bd standard RTTY, FEC A 96 & 192Bd and ARQ 90 200Bd. Callsign of MFA Paris is P6Z, routing indicator RFGW. Callsigns of the embassies:

Algier	H6L	Jeddah	O6F
Addis	D7A	Khartoum	T6E
Amman	M3J	Libreville	V5G
Bangkok	G7M	Madrid	AND3
Bogot	S3B	New Delhi	B4C
Bamako	L9X	Nouakchott	Z4D
Bangui	B1T	Prague	F9S
Belgrade	G8T	Rabat	J5W
Brasilia	S5F	Rome	L3Y
Brussels	ONN27	Riyadh	O6P
Bucharest	A9C	Sofia	L4N
Budapest	D2Z	Santiago	3GF1
Buenos Aires	L9C	Tel Aviv	W5E
Cairo	O9B	Tunis	K4X
Caracas	S3B	Tripoli	C7K
Damascus	D4B	Warsaw	H7K
Islamabad	W3S		

Fee received from js33, wm72, ikG, ns30, koCH. Tnx.

Due to pay: jvNL (last issue 2/91); kjs, rbNL, amG, fmI (last issue 3/91), cbs (last issue 4/91)

I still have many interesting infos supplied by mm35 and others, but no time left. The preparations for my oral Ph.D exams in July have begun. Many thanks to the following OM: amG, pcG, zeTC, mm35, fd40, js33, hl71, dp41, fgI (welcome to the log section!) and nr75. See you all next month.

Hi there! A bit earlier this month. As you may have noticed I deleted the numbers indicating reception quality. The reasons for this decision were that many people uttered their doubts in regard of the objectivity and comparability of these values. Moreover some guys seem to have developed their own codes, which resulted in a helterskelter of different codes.

N O N D I R E C T I O N A L B E A C O N S

400	0111 BC	Bekescaba	HNG id	zeTC
402	0240 SLB	slavonski Brod	YUG id+tone	zeTC

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514.5	0544	DZ	Mlad Boleslav	TCH	id	zeTC
617	2307	MG	Steblev	URS	id	zeTC
625.5	1352	AM	Tyn n.v.	TCH	id	zeTC
635	2321	GH	Minsk	URS	id	zeTC
732.5	2221	LS	Litice	TCH	id	zeTC
751	1323	LA	Trebic	TCH	id	zeTC
822	1334	DR	Stankov	TCH	id	zeTC
826	2344	LF	Petrovka	URS	id	zeTC
850	2249	IP	Bronitsa	URS	id	zeTC
895	2254	TL	Simferopol/Krym	URS	id	zeTC
1055	0121	IN	Sukhotino	URS	id	zeTC
1068	2238	WD	Vidin	BUL	id	zeTC
1155	2229	NS	Kanev	URS	id	zeTC

NDB "AI" Aveiro/POR closed down Feb 91. The ominous beacon "RK" on 384, which can be received from time to time also in western Europe is located in Ras-al-Khaimah, acc to a letter from the responsible authority to nr75. They verified frequency and transmitting format.

M A R I T I M E

8294.2	0710		MS Ruhland	IWA	E wkg Deutfracht ships	hb31
12664.5	1530	FUM	F Ny Papeete	OCE	cw-cq	h171
12743	1630	NRV	USCG Guam	GUM	cw-cq	h171
13011	1500	AQP	PAK Ny Karachi	PAK	cw-cq	h171
13024.5	1400	ASK	Karachi R.	PAK	cw-cq	h171
16522	1926	IAR	Rome R.	I	I wkg "Amerigo Vespucci"	fgI
16861.5	1330	5OW17	Lagos R.	NIG	cw-vvv cq	h171
16861.7	1330	PKX	Jakarta R.	INS	cw-cq	h171
16880.9	2155	NMC	USCG San Francisco	USA	cw-cq	h171
16958	1721	FUJ	F Ny Noumea	NCL	cw-vvv	zeTC
17081.6	1903	JFA	Matsudo R.	J	cw-cq	zeTC
17225.5	0733	WNU	Slidell R.	USA	cw-cq SITOR	zeTC
17239.1	0729	5BA62	Cyprus R.	CYP	E/GR vm-f	zeTC
17240	0736	WLO	Mobile R.	USA	cw-SITOR	zeTC
22136.4	1136	WSDU	Unid ship	IWA	E wkg PEOD	hb31

A E R O N A U T I C A L

6693	1736		Sverdlovsk Volmet	URS	R wx	fgI
6693	1816		Kuybyshev Volmet	URS	R wx	fgI
6730	1808		Aktyubinsk Volmet	URS	R wx	fgI
6730	1810		Krasnodar Volmet	URS	R wx	fgI
6730	1816		Alma Ata Volmet	URS	R wx	fgI
6730	1820		Tashkent Volmet	URS	R wx	fgI
6730	1825		Baku Volmet	URS	R wx	fgI
6730	1830		Tblisi Volmet	URS	R wx	fgI
8855	0532		Porto Velho Air	B	E wkg American 900	hb31
11246	1305	"Primerose"	DNK AF Karup	DNK	DAN clg Grinnedal	hb31
13214	1300	AOE40	USAF Sevilla (relay? ed)	E	E wkg	fgI
13282	1852		Auckland Volmet	NZL	E wx	fgI
21964	1416		Houston Air	USA	E wkg a/c	hb31

F I X E D B A N D S

5443	1750	KWL90	US Emb Manila	PHL	cw-gra	hb31
7540	1508	ROK28	PTT Moscow	URS	E vm-f	zeTC
7541.5	1115	FDG21	F AF Cognac	F	cw-vvv	amG
13520	0841	FSB72	Interpol Paris	F	cw-SITOR	zeTC
13927	0420	AFM2AC	MARS Unid	USA	E wkg MAC	hb31
13927	0659	AFA1MA	MARS Unid	USA	E wkg AEM3VF	hb31
14477	0411	NNN0FLH	MARS Unid	USA	E wkg NNN0CEJ	hb31
14483.5	0405	NNN0NUW	MARS whidbey Island	USA	E wkg ships	hb31
14483.5	2341	NNN0MQU	MARS Quantico	USA	E wkg ships	hb31

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14606	2336	AGA4KE	MARS Kelly AFB	USA	E wkg MAC	hb31
14800	0640	RFK64	PTT Moscow	URS	R wkg Sverdlovsk	zeTC
14819.5	0018	NNN0PRS	MARS Brenton	USA	E wkg ships	hb31
14820	1118	FDC	F AF Metz-Frescaty	F	CW-vvv	amG
15000	1929	BSF	TS Taipei	TWN	cw + SSB id	zeTC
15030	1110	FDC	F AF Metz-Frescaty	F	CW-vvv	amG
18512	0730	"VRQ"	MFA Hanoi	VTN	CW-vvv	amG
19070	1732	RRG25	PTT Moscow	URS	E vm-f	zeTC
19577.5	1401	ORI49	PTT Brussels	BEL	F to Lubumbashi	zeTC

R A D I O T E L E T Y P E

6811.8	1733		Carabinieri Cosenza	I	to Loro	50	amG
12224.5	1120	FSB	Interpol Paris	F	wkg IPUK TWINPLEX	100	mm35
13875.3	0915		MFA Budapest	HNG	wkg DUP ARQ	125	mm35
14386	2230	NNNONZE	MARS USS Sargo	IWA	to US SIT A		amG
14386.2	2300	NNN0GKF	MARS Nazareth, PA	USA	to NONZE SIT A		amG
14413	1232	"LN2A"	Test stn Oslo for PTT	NOR	testing//20955	45	amG
14480	1110		TCH Emb Sofia	BUL	to Prague	100	amG
14715	2253	CLP1	MFA Habana	CUB	to Alger	50	amG
14820.7	2250	NNN0CRW	MARS USS Guam	IWA	to US SIT A		amG
14836	0842		TUR Emb Warsaw	POL	Passport info FEC A144		amG
14841.6	1558	HGX21	MFA Budapest	HNG	to Cairo DUP	125	amG
14925	2325	"RFTJ"	FF Dakar	SEN	to RFTJD Gab. ARQM2	96	amG
14936.2	2323	NNN0CWI	MARS USS Conserver	IWA	to US SIT A		amG
15006.8	1253		EGY Emb Doha	QAT	to Cairo SIT A		amG
15016.7	1515		EGY Emb Moscow	URS	to Cairo SIT A		amG
16111	1655	HBD52	SUI Emb Rabat	MRC	to Berne SIT A		amG
16165.2	1915	"RFQP"	FF Djibouti	DJI	msgs ARQM2	200	mm35
16300.7	2255	NNN0CRW	MARS USS Guam	IWA	to US SIT A		amG
16302	1130		YUG Emb Paris	F	to Belgrade FEC A144		amG
16342.6	0820	V5G	MFA Bucharest	ROU	wkg ROU FEC	218	mm35
16361.7	1710		EGY Brazzaville	COG	to Cairo SIT A		amG
16372.2	0740	8WB4	IND Emb Teheran	IRN	clg Delhi 8WD7	50	amG
17414	1230	"RFFMHMK"	FF Kuwait	KWT	to Paris ARQ E	72	amG
17421.6	1110	EAE220	MFA Madrid	E	Press review SIT A		amG
18041	1235		AA Ankara	TUR	Nx	100	mm35
18401	1205	5w3	TCH Emb Moscow	URS	to Prague	100	amG
18447.7	1955	RFFVAD/ChID:	FDZ2 Unid	?	F msgs ARQM2	200	mm35
18447.8	1212	FDZ2B	F AF N'Djamena	TCD	to Paris ARQM2	200	amG
18749	1540	KNY32	BUL Emb Washington	USA	to Sofia	75	amG
19225	0755	"RFFX"	MOD Paris	F	to Kuwait ARQE3	72	amG
19801.2	1730	HGX21	MFA Budapest	HNG	to Habana DUP	125	amG
19853	1210	V5G	MFA Bucharest	ROU	Nx to embs SPREAD102		amG
20140	0840		PIAB Bonn	D	G nx FEC A	96	mm35
20157	1610	5KM	CLM Ny Bogot	CLM	ry	75	amG
20234	1612	TAD68	TUR Emb Paris	F	to Ankara FEC A144		amG
20348.5	1345	ChID:"LUMR"	GCM Lubumbashi	ZAI	F wkg ARQ-M2-242	96	mm35
20492	1200	V5G	MFA Bucharest	ROU	Nx to embs SPREAD102		amG
20596	1120	HBD48	SUI Emb Riyadh	ARS	to Berne SIT A		amG
20634	1712	"RFVI"	FF Saint Denis	REU	to Par (REI) ARQE3	100	amG
20734	1535		UNHCR Abidjan	CTI	to Geneva SIT A		amG
20756	0835	OEC100	MFA Vienna	AUT	G wkg SI ARQ	96	mm35
20776	1705	"RFFX"	MOD Paris	F	rel to KWT ARQE	72	amG
20805.2	1628	"RFQP"	FF Djibouti	DJI	to Paris ARQM2	200	amG
20940	1145		ICRC Baghdad (tent.)	IRQ	wkg HC ARQ240		mm35
20952.6	1705	ChID:"LUMR"	GCM Lubumbashi	ZAI	F tlx ARQ-M2-242	96	mm35
21865	1200		URS Ny (tent.)	URS	nx & wx TORG	11	100
21877	1548	KNY23	TCH Emb Washington	USA	to Prague	100	amG
22759.2	1135	CLP1	MFA Habana	CUB	to Accra	50	amG
22973	1503		F Emb Kinshasa	ZAI	to Paris FEC A192		amG
23054.7	0910		EGY Emb Dakar	SEN	to Cairo SIT A		amG
23079	0948	SAM71	S Emb Dar es salaam	TZA	to Stock SWED ARQ		amG
23120	1230		I Emb Conakry	GUI	to Rome ARQ E	96	amG
23207.3	0915		F Emb Brazzaville	COG	to Paris ARQ	6	90
23216	0715		CUB Emb Delhi	IND	to Habana	100	amG

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23365	1010	I Emb Tel Aviv	ISR to Rome	ARQ N 96	amG
23421.5	1645	CLP44 CUB Emb Harare	ZWE to Habana	50	amG
24068.3	1650	"BZQU" YUG Emb Habana	CUB to Belgrade	75	amG
24459	0840	FJY2 TAAF Pt-aux-Français	KER rel Crozet	ARQ E 72	amG
25417.6	1300	G Emb Maputo	MOZ G wkg	ARQ E 96	mm35
25420.6	1930	G Emb Brasilia	B G wkg	ARQ E 96	mm35
26398.4	1153	HGX58 HNG Emb Nairobi	KEN clg Budapest	50	amG
27999.4	0830	TTR88 ICRC N'Djamena	TCD F wkg	SIT A100	mm35

A B B R E V I A T I O N S

AA = Anadolu Ajansi (Turkish Press Agency)
 PIAB = Presse- und Informationsamt der Bundesregierung (Press svc. of the Federal Government)
 GCM = Gecamines (Mining Company)
 tlx = Telex
 ChID = Channel marker

C O M M E N T S (on March issue)

Cf. last months info about Gelendzhik Radio/URS with c/s "UVA": This station may only be relayed via Moscow or other stations. No URS-list indicates such a call. QRGs are 4208/4231.5, 8455, 12555/12729 (h171).

11123.5 c/s PIAB Bonn is DFL26
 14478.5 c/s MFA Vienna is OEC
 14478.5 c/s A Emb Tel Aviv is OEC44
 16150.7 MKD is DCN Akrotiri and not RAF. DCN means Defence Communications Network
 22904.5 c/s MFA Bonn is DMK
 23716.8 This is FF Fort de France to RFHI Papeete

Q S L - U M S C H A U

ALS-USAF Elmendorf	67 B/-	8989	3kw	fs74
ALS-USCG Kodiak	50 K,B/-	8628.5	NOJ	fs74
AUT-NDB Gleichenberg	8 PPC/RP	426	"GBG"	hb31
B -Belem Air	52 PPC/1\$	8855	1kw	hb31
BEL-Koksijde Rescue	14 B,K/SASE	5680	75w	js33
BEL-NDB Kleine Brogel	44 B,PPC/RP back	448.5	"ONT"	hb31
BEL-NDB West Hinder Lv.	105 PPC,Fo/SASE	305.7	"WH"	20nm js33
CAN-CFS Aldergrove	33 Folder,Fo's/AK	12753	CKN	zeTC
CYP-RAF Cyprus Flightwatch	25 PPC/RP	11234		hb31
D -MARS Erlensee	27 B,PPC/RP	20650	AEM1FGT	hb31
D -NDB Donaueschingen	4 PPC/RP	490	"DVI"	hb31
DNK-Bltvand R.	11 B/-	500	OXB	1kw fs74
E -NDB San Sebastian	51 PPC,I/	328	"HIG"	200w mo67
F -F Ny La R,gine	17 B/-	20338	FUG	fs74
F -NDB Romorantin	35 PPC,B/SASE	301	"RTN"	50w js33
FAR-LORAN Ejde	10 B/-	7512.5	OUN	1kw fs74
FNL-NDB Turku	10 PPC/SASE via Hels	389	"RK"	150w js33
FNL-NDB Vaasa	10 PPC/SASE via Hels	327	"J"	50w js33
G -CG Humber	26 PPC,sti/	2226		250w mo67
G -CG Stornoway	26 PPC,I/	2182		400w mo67
G -NDB New Galloway	8 PPC/ via Prestwick	399	"NGY"	90w mo67
G -Saint Peter Port R.	20 PPC,B,I/	2182		mo67
G -USAF Croughton	39 PPC/-	11176	AJE	js33
GHA-Accra Air	46 PPC/1\$	8903		5kw hb31
GUY-Cayenne Air	31 B/RP	8855		hb31
HWA-TS Kauai	75 B,I/-	10000	WVH	fs74
I -NDB Bari	46 PPC/ f/up	401	"BPL"	100w mo67
I -NDB Sorrento	67 PPC,I/ via Naples	426	"SOR"	100w mo67
IAI-Rescue 128	15 PPC,Fo,I/-	5680		1kw js33
INS-Amboina R.	74 B,PPC/1\$ dir	17184.8	PKE	hb31

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IWA-HMS Boxer	25	B, PPC, Fo/	2182	GBBK	50w	mo67
IWA-Lifeboat Nis Randers	20	PPC/SASE	1655	DBAF	400w	js33
IWA-MARS USS Spartanburg C.	63	B, PPC/	14441.5	NNN0CSB		mo67
IWA-MARS USS Yellowstone	61	PPC, Fo, I/	14441.5	NNN0CVV		mo67
IWA-MS Alfred Krupp	21	PPC, AK/	1655	DBAA	400w	mo67
IWA-MS Durham Service	13	PPC/SASE	2182	GCRM	400w	js33
IWA-MS Early Bird	16	PPC/	2182	LAFU2	400w	mo67
IWA-MS Grampian River	13	PPC/	2182	MEBF	400w	mo67
IWA-MS Grampian Viking	11	PPC/	2182	GHRE	400w	mo67
IWA-MS Habib	40	PPC, AK/	2182	TSLN	400w	mo67
IWA-MS Halle	15	PPC/RP	16587.1	Y5BH		hb31
IWA-MS Hans Kken	29	PPC/	1655	DBAR	400w	mo67
IWA-MS Kommandor Subsea	15	B, PPC, I/	2182	GHFF	260w	mo67
IWA-MS Maersk Highlander	26	B, PPC, I/	2182	GIGV	500w	mo67
IWA-MS Maersk Mariner	39	PPC, I/	2182	GFWX	250w	mo67
IWA-MS Maersk Ranger	28	PPC, I/	2182	GBKR	400w	mo67
IWA-MS Maersk Runner	17	PPC/	2182	GBJQ		mo67
IWA-MS Marrakech	21	PPC, AK/	2182	CNBT	400w	mo67
IWA-MS Mona Viking	17	B, PPC, I/	2182	GDLT	400w	mo67
IWA-MS Paolo Veronese	27	B, PPC, I/	2182	IBGA	500w	mo67
IWA-MS Profiler	19	B, PPC/	2182	GPEQ		mo67
IWA-MS Sonat John Shaw	36	B, PPC, Sti/	2182	HP6025	400w	mo67
IWA-MS Sonat Pratt Rather	16	PPC/	2182	3EGN6	500w	mo67
IWA-MS Star Sirius	19	PPC, Fo/	2182	GFGK	400w	mo67
IWA-MS Stena Constructor	21	PPC, Fo, I/SASE	2182	C6CP8	400w	js33
IWA-MS Vormann Steffens	19	PPC/	1655	DBAE	400w	mo67
IWA-NDB Lemna D Flare	86	PPC, AK/-	374	"PC"	10nm/6w	js33
IWA-Platform Clyde A	24	PPC, I/	2182		400w	mo67
IWA-Rig Benreoch	51	PPC/	2182	GCTR	100w	mo67
IWA-Rig Borgny Dolphin	36	PPC/	2182	3EJU6	400w	mo67
IWA-Rig Drill Star	18	PPC, AK/	2182	C6IQ4	400w	mo67
IWA-Rig Henry Goodrich	40	PPC, I/	2182	HP6038	400w	mo67
IWA-Rig Santa F, 135	14	PPC/	2182	WRX8476	400w	mo67
IWA-Rig Sedco 704	12	B, PPC, Fo/	2182	A8JD	400w	mo67
IWA-Rig Sedco 706	14	PPC/	2182	ELLW6	250w	mo67
IWA-Rig Sonat DF97	19	B, PPC/	2182	HO4453	250w	mo67
IWA-Rig Treasure Driller	17	PPC/	2182	C6IF8	400w	mo67
J -Naha Air	91	PPC/	8903		5kw	mo67
JMY-LORAN Jan Mayen	38	B/-	7512.5	JXP		fs74
JMY-LORAN Jan Mayen	68	PPC/IRC	7512.5	JXP		hb31
LBN-IRBATT Lebanon	29	B, PPC/-	19760	"37"		hb31
LUX-NDB Luxemburg	16	PPC/RP	318	"LE"		hb31
PHL-US Emb Manila	31	PPC/RP	7662	KWL90		js33
POR-CPRM Lisbon	36	K/-	?	CUA24		fs74
S -NDB Stockholm	38	PPC/	339	"EA"		mo67
SHN-C & W Jamestown	172	K/-	11092.5			fs74
SVB-NDB Isfjord	30	PPC/	304	"ISD"	170w	mo67
URS-Kaliningrad R.	72	B, PPC, Ham-K/	12690	UJY	1kw	mo67
URS-Kaliningrad R.	98	B, PPC/1\$	16865	UJY		hb31
URS-Tallinn R.	39	PPC, AK/-	6405	UAH	1.5kw	js33
URS-Tallinn R.	56	PPC/	4350	UAH	1.5kw	mo67
URS-Vladivostok R.	188	B, K, AKs/	22350	UFL	20kw	mo67
USA-Belmont Fire Dept., NH	24	PPC, B, I, patches/-	33900	KLH953	100w	js33
USA-Crawford Co. Emergency, PA	40	PPC, B, I/-	33980	KOT901	100w	js33
USA-MARS Anaheim, CA	640	PPC/SASE	13974	NNN0BST	5kw	js33
USA-MARS Fort Monmouth, NJ	40	B, PPC, Ham-K/	20940.7	AAR2USI		mo67
USA-MARS McFarland, CA	28	PPC/RP	20994	AAT9UI	1kw	js33
USA-MARS Yarmouthport, MA	19	PPC, Ham-K/	14484.8	AAR1JW		mo67
USA-Mid-State Fire Contr., MA	30	PPC/-	33700	KNJX299	100w	js33
USA-Norwich Fire Dispatch, CT	26	PPC, B/-	33900	KCB979	200w	js33
USA-US Ny San Diego CSS	640	K/- on AFD '89	13974	NPL		js33
USA-Waldoboro Fire Dept., ME	34	PPC, 2B, AK/-	33700	KAU318	100w	js33
USA-Warren Co. Fire, NY	26	PPC, B, I/-	33900	KCNU507	60w	js33
USA-Wayne Co. Comm. Center, PA	32	PPC, B, AKs/-	33860	KYL616	100w	js33
VTN-Ho-chi-Minh Ville R.	64	PPC, AK/IRC	13042	XSV	600w	js33
YUG-Tanjug Belgrade	24	stencil/IRC	5240	40C2	10kw	js33

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V E R I E S I G N E R / A D R E S S E S

CFS Aldergrove (CKN): CFS Aldergrove, Box 4000-272 St., Aldergrove V0X 1A0, Canada (zeTC).

MARS Anaheim (NNNOBST): Dale Magaro, 2250 West Falmouth Ave, Anaheim, CA 92801
MARS McFarland (AAT9UI): A J F Ciement, Rt.1, Box 116, McFarland, CA 93250 (js33)

NDB Isfjord "ISD" via Isfjord Radio. V/s Gunnar Johansen
Saint Peter R.: V/s Alf Laine
MARS Yarmouthport: V/s George Makris Ham-c/s KD1B
MARS Fort Monmouth: V/s Gerald Silverman, Station Manager Ham-c/s K2USA

Puerto Montt Aeradio: Jorge Iroume U., Benavente 350 LADECO S.A., Puerto Montt, Chile (nr75).

UNHCR Damascus: UNHCR Emergency Team, Immeuble Tawil, Abou-Rarumaneh, Damascus, Syria (mm35)

I N F O S

Yours truly got a letter back, which he sent to South Pole Station/ANT. "Station closed" was written on it. Does anyone have infos about that?

PTT Pitcairn uses also 23160 kHz. Tfc starts on well-known QRGs 18407/18710 kHz. Wellington may ask Pit to move to 23160, while Wellington remains on 18710 kHz (fs74).

OM nr75 heard a station with c/s CBA on 8461 kHz. Is this Antofagasta? Address?

In a letter to nr75 the guys of Puerto Montt Air promised to send greetings to him via HF (!!) on the 6th May 1991, 0030 UTC on 10036 kHz. What a service (ed).

mm35 suggests to send reports to LDOCs via the agency of the company in question in the country of the reporter. May be a safer way than to send letters direct.
Spanish speaking stations also have their own test text. The "quick brown fox" and "le brick" are now joined by "EL AGIL ZORRO MARRON SALTA SOBRE EL PERRO PEREZOSO" (mm35).

Cf. the question from fmI concerning 8930 kHz Ambulance Stuttgart mm35 has following infos: This is the "Deutsche Rettungsflugwacht" (a private German Search and Rescue Company seated in Filderstadt near Stuttgart). Main base is at Stuttgart Airport, the COM/OPS center in Filderstadt-Bernhausen. Address is: Deutsche Rettungsflugwacht e.V., PO Box 23 01 27, W-7000 Stuttgart 23 Flughafen.

The Rettungsflugwacht holds a license for 26 HF qrgs, but only 6 are in use in the moment (6/8/13 MHz). The a/g qrg for air operations in Germany is 129.90 MHz. During ops c/s is "Civil Air Ambulance" or "Civil Air Rescue", the flight number CAA plus two numbers. Military rescue flights, i.e. of the USAF have the c/s "Air Evac". "Ambulance 90" was a rescue flight.
Main task of the Rettungsflugwacht is the transport of German tourists or business men from foreign countries to German hospitals and urgent transports of organs needed for transplantations.

Does anyone have a reliable Veriesigner for Canarias Control so that OM mm35 finally may obtain a QSL from this stn??

Sked of Warszawa Radio SPW for nx in Polish:

1200:

1800:

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7892.5	SOH228B	SIT-B	14597.2	SOO259B	SIT-B
14597.2	SOO259B	SIT-B	18648.5	SOT265B	SIT-B
18648.5	SOT265B	SIT-B			
20286.5	SOV228B	SIT-B	2100:		
20933.3	SOV293B	SIT-B	7562	SOH256	A1A
			10694	SOK269	A1A
1400:			11535	SOL353	A1A
7892.5	SOH289B	SIT-B	14362	SON261	A1A
8001	SOI200	A1A			
14362	SOO236	A1A			
14597.2	SOO259B	SIT-B			
18648.5	SOT265B	SIT-B			
20286.5	SOV228B	SIT-B			
23405	SOY240B	SIT-B			
23408	SOY240A	A1A			

(Tnx to mm35)

To sum it up: f-ee has been received from jwA, ns30, ikG, kjs, cbs, koCH, amG, fmI. Tnx. Due to pay: rbNL (4/91 last issue) und ebenfalls die OM vs79 und pb40. For OM mdG and nr75 5/91 is the last issue.

!!!! Zuletz eine groae Bitte meinerseits: W,,re es jemandem m"glich, fr mich die Newsletter-Ausgaben 5/91 und 6/91 zu bernehmen. Dank der Doktorprfungen werde ich voraussichtlich kaum dazu kommen, irgendwas in dieser Richtung zu tun. Ich wrde mich wirklich sehr freuen, wenn mir einer helfen k"nnte!!!!!! Logs und Infos k"nnen aber weiterhin an mich geschickt werden. Ich leite sie dann weiter.

Fr heute geht mein Dank an die OM mm35, nr75, amG, hb31, js33, zeTC, fgI, fs74, h171 and mo67. See you wahrscheinlich erst im Juli.

Hi folks! Here I'm again after two months of absence. In the meantime I passed my oral Ph.D.exams - now I'm ready to go for new heroic deeds in the field of Utility DX. In the name of the Newsletter population around the world I would like to thank js33 and fd40 for the great work they did for the deserving community.

NON D I R E C T I O N A L B E A C O N S

287.3	2123	SL	Sletterhage Lt.	DNK	id+tone	ai41
287.3	2124	SK	Smith's Knoll Lv.	G	id+tone	ai41
287.3	2127	GA	Outer Gabbard Lv.	G	id+tone	ai41
291.9	2234	MH	Mahfn Lt.	E	id+tone	ai41
294.2	2128	NO	Cabo de la Nao Lt.	E	id+tone	nr75
294.2	2204	PA	Cabo de Palos Lt.	E	id+tone	ai41
294.2	2206	NO	Cabo de la Nao Lt.	E	id+tone	ai41
294.2	2216	RN	Rhinns of Islay Lt.	G	id+tone	ai41
294.2	2228	AH	Altacarry Lt.,N.Ireland	G	id+tone	ai41
294.2	2232	DA	Pladda Lt.	G	id+tone	ai41
294.2	2233	MW	Mew Island Lt.	IRL	id+tone	ai41
298.8	2302	SP	Start Point Lt.	G	id+tone	ai41
298.8	2303	LZ	Lizard Lt.	G	id+tone	ai41
303.4	2330	VC	Cabo Sao Vicente Lt.	POR	id+tone	nrIR
313.5	2250	CX	Cap Caxine Lt.	ALG	id+tone	nr75
315.5	0041	SS	Scatsta	G	id	rk50
323	2340	SMA	Santa Maria	AZR	id	nrIR
325	0057	OF	Bristol/Filton	G	id	rk50
342a	1100	LND		???	id	nrIR
347a	2120	BT		???	id	nr75
349	2337	JX	V,,xj"/Kronoberg	S	id	rk50
357	2140	BGS	Burgos	E	id	nr75
362	0131	NN	Eskilstuna	S	id	rk50
362	0900	OB	Cork	IRL	id ex "B"	nrIR
363	0145	OE	Kristianstad/Ever"d	S	id	rk50
371	0145	HAA	Hamar	NOR	id	rk50

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371	2353	STR	Sintra	POR	id	nrIR
376	0033	TL	Lerwick/Tingwall	G	id	rk50
378	2045	OK	Pleshchenitsy	URS	id	nr75
378	2330	BKD	Brnkendorf	D	id	nr75
378.5	2030	NN	Northampton/Sywell	G	id+tone <-- bei G NDBs?	nr75
383	0218	ALD	Alderney	G	id	rk50
383	2148	LST	Lista	NOR	id	nr75
392a	2107	UK		???	id	nr75
393	0131	EMW	East Midlands	G	id	rk50
396	2252	HYV	Hyvink,,,"	FNL	id	ai41
397	0239	OP	Dublin	IRL	id	rk50
397.2	2000	DHE	Helgoland	D	id+tone	ai41
400.5	0104	AG	Agen/La Garonne	F	id+tone	nr75
401	0243	FNL	Fenland	G	id	rk50
409	0106	MRA	Mragowo	POL	id	nr75
413.5	2347	GLT	Galati	ROU	id	nr75
418	2330	ORA	Oradea	ROU	id	nr75
420a	2115	GW		???	id	nr75
428	2338	TGM	Tirgu Mures	ROU	id	nr75
433a	0100	ZU		???	id 2x every 15 sec	nr75
436	2352	RSF	Reinsdorf	D	id	nr75
444	0000	TMN	Gora	POL	id	nr75
450	0039	PDV	Plovdiv	BUL	id	nr75
450	0050	ZO	Zitorada	YUG	id+tone	nr75
450	2333	NZ	Myatyalyay	URS	id+tone	nr75
460a	2128	LP		???	id 2x every 15 sec	nr75
470a	2301	BU		???	id	nr20

nr20 war nr75 in Hamburg, nrIR selbiger in Schull, Co.Cork, Irland.

M A R I T I M E

2182	1814	MCER6	Rosslare Harbour Lb	IWA	E wkg Land's End	ai41
2182	2146	EAC	Tarifa R.	E	E/S pan message	ai41
2182	2324		Cabo de la Nao R.	E	E/S anns	nr75
2182	2324		Cabo Finisterre R.	E	E/S anns	nr75
13070	1805	UDH	Riga R.	URS	cw-cq	ai41
13137	0801	LFN	Rogaland R.	NOR	E/NOR tfc list	wk98
16587.1	1605	DB9020	Georg-von-Neumayer Base	ANT	G wkg Hannover Express	ai41
16587.1	1945	KVY582		USA	E wkg WVFQ	ai41
16587.1	2003	DIMC	America(n) Express	IWA	G wkg	ai41
16911.5	1755	JNA	MSA Tokyo R.	J	cw-cq	ai41
17242	1900	LPL	Generale Pacheco R.	ARG	S vm-f & mm	wk98
17245	0705	VIS	Sydney R.	AUS	E wkg HQYT	wk98

A E R O N A U T I C A L

5526	0510		Bel,m Air	B	E wkg MAC	ai41
5680	0848		Rescue 172	G	E wkg Plymouth RCC	wk98
8855	0454		Cayenne Air	GUF	E wkg MAC	ai41
8855	0502		Piarco Air	TRD	E wkg Paramaribo	ai41
8855	0510		Brasilia Air	B	E wkg Paramaribo	ai41
8855	0518		Campo Grande Air	B	E wkg	ai41
8855	0520		Porto Velho Air	B	E wkg American 900	ai41
8855	0527		Paramaribo Air	SUR	E wkg Canadian 101	ai41
8855	0545		Georgetown Air	GUY	E clg Piarco	ai41
8855	0545		Leticia Air	CLM	S wkg Porto Velho	ai41
8855	0547		La Paz Air	BOL	S wkg Porto Velho	ai41
8879	1841		Lilongwe Air	MWI	E wkg Beira	ai41
8879	1842		Beira Air	MOZ	E wkg Lilongwe	ai41
8879	1844		Mauritius Air	MAU	E wkg Singapore 406	ai41
8879	1949		Dar es Salaam Air	TZA	E wkg KLM568	ai41
8879	1957		Seychelles Air	SEY	E wkg Tanana	ai41
8879	2120		Lusaka Air	ZMB	E wkg Lubumbashi	ai41
8879	2123		Lubumbashi Air	ZAI	E wkg Lusaka	ai41
8891	0123		Bodí Air	NOR	E wkg LH	nr75

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8930	1639		MALEV Budapest LDOC	HNG	wkg a/c	ai41
8930	1740		P.I.A. Karachi LDOC	PAK	E wkg Pakistan 8812	wk98
10024	0059		La Paz Air	BOL	S clg Asunciñ	nr75
10024	2305		Lima Air	PRU	S wkg Antofagasta	nr75
10024	2307		Mendoza Air	ARG	S wkg Lima	nr75
11255	1706	"J3L"	USAF ?	???	E clg "C8R"	wk98
11359	2040	RFNV	Moscow	URS	cw-cq	wk98
11387	0530		Sydney Volmet	AUS	E wollmett	ai41

FIXED BANDS

6596	2357	TBB6	TUR Ny Ankara	TUR	cw-vvv	wk98
6870	2305	FDG6	FAF Cazaux	F	cw-vvv	amG
13387	0820	KKN39	DOS Washington	USA	cw-qrq	wk98
13560	1630	BMB	Taipei Meteo	TWN	E wx bulletin	amG
13826	0140	NNNOLVP	MARS Timonium,MD	USA	E wkg NOLNB	ai41
13974	0114	NNN0BSU	MARS	???	E wkg NOCZP	ai41
14383.5	2144	NNNONCJ	MARS USCGC Eagle	IWA	E wkg NONIG	ai41
14398.5	2221	NAM	MARS Norfolk,VA	USA	AFD	ai41
14400	1035	3Q5	TCH Emb Ankara	TUR	cw-clg OMZ Prague	amG
14403.5	2156	WAR	MARS Fort Detrick,MD	USA	AFD	ai41
14441.5	2252	NNNONCJ	MARS USCGC Eagle	IWA	E clg	wk98
16298.5	0047	NNNONIM	MARS Gulfport,MS	USA	E wkg NONRO	ai41
16344.5	2256	CLA8	CUB Emb Conakry	GUI	cw-clg Habana	amG
18294	1553	TAD29	TUR Emb Berne	SUI	cw-msgs to Ankara	amG
18585	1642	SHG98	Stockholm R.	S	E wkg Jordanian 1020	wk98
18710	1930	ZLX41	PTT Wellington	NZL	E wkg Pitcairn	ai41
20936	1716	NNNONNI	MARS	???	E wkg NOIBM	wk98

RADIO TELETYPE

4004.5	2312	LRO2	Telam Buenos Aires	ARG	S nx	50	amG
4056	2320	TJK	ASECNA Douala	CME	chan check (RGA)	50	amG
5887.5	1759	IMB32	Rome Meteo	I	ry	50	ai41
6912	2240	ETD3	Addis Air	ETH	ry	50	amG
7610	2308	3XA	Conakry Air	GUI	testing	50	amG
9124.8	2320	"RFTJD"	FF Libreville	GAB	to Paris	ARQ E 48	amG
10300	1620	HSW63	Bangkok Meteo	THA	wx	50	amG
10408	1627	9VF63	ANSA Singapore	SNG	ry, c/s, qrgs	50	amG
10654.2	2230	HSD	Bangkok Air	THA	wx to Dakha	50	amG
11175.7	1727	5HD	Dar es Salaam Air	TZA	wx to Bujumbura	50	amG
12145.6	1630		I Emb Damascus	SYR	5lgps to Rome	SIT A	amG
13563.2	1528	3MA22	CNA Taipei	TWN	E nx	50	amG
13941.6	1634	5AB	MFA Tunis (rather Tripoli		acc to c/s - ed)	SIT B	amG
14478	1628		UNHCR Baghdad	IRQ	E to Geneva	SIT A	amG
14645.8	1605		EGY Emb Khartoum	SDN	ATU-A to Cairo	SIT A	amG
14774.8	1538	"RPTI"	POR Ny Ponta Delgada	AZR	testing	75	amG
14831.7	2245	CLP1	MFA Habana	CUB	S nx to Embs	50	amG
14909.8	1630		EGY Emb Tunis	TUN	ATU-A to Cairo	SIT A	amG
14941.7	1608		MFA Cairo	EGY	5lgps Librev.	FEC A144	amG
14966	1500	TAD	MFA Ankara	TUR	rel Tel Aviv	FEC A144	amG
15679	1050	SNN299	MFA Warsaw	POL	Pol press rel	ARQ POL	amG
15744.4	1600	TAD26	TUR Emb Belgrade	YUG	to Ankara	FEC A144	amG
15800	1627		Braz.AF HQ Brasilia	B	P reg AF personnel	50	amG
15938.7	1615		MFA Cairo	EGY	Egy press rel	SIT A	amG
15967.6	1520		F Emb Teheran	IRN	to Paris	FEC A144	amG
16107.6	1618	HBD59	SUI Emb Ankara	TUR	G to Berne	SIT A	amG
16171.8	2320	KNY29	EGY Emb Washington	USA	5lgps to Cairo	SIT A	amG
16175.2	2250	NNN0CNJ	MARS USS Caron, Med or		Pers.Gulf msgs	SIT A	amG
16213	1740		F Emb Dakar	SEN	to Paris	ARQ6-90 200	amG
16274.2	2305	CLP7	CUB Emb Brazzaville	COG	rel Kinshasa	50	amG
16289	1608	J5W	F Emb Rabat	MRC	Encr Paris	ARQ6-90 200	amG
16293	2355		YUG Emb Beijing	CHN	to Belgrade	FEC A144	amG
17454.6	2200	"RFGW"	MFA Paris	F	5lgps	ARQ&-90 200	amG
17481	1130	"DFZG"	MFA Belgrade	YUG	clg YTR7 Delhi	75	amG
17523.3	1604	HSW61	Bangkok Meteo	THA	wx	50	amG

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18006.8	1555	EGY Emb Algier	ALG 5lgps to CairoSIT A	amG
18007.7	1040	EGY Emb Moscow	URS 5lgps to CairoSIT A	amG
18055	1523	"DFZG" MFA Belgrade	YUG SER/CRO nx to embs	75 amG
18060	1632	SNN299 MFA Warsaw	POL to Ottawa ARQ POL	amG
18116	1045	SPP325 POL Emb New Delhi	IND POL msgs Wars ARQ POL	amG
18164.5	2227	STK Khartoum Air	SDN wx to Tripoli (SLA)	50 amG
18230	1600	MKK DCA London	G testing	75 amG
18263.3	1130	HBD28 SUI Emb Khartoum	SDN tfc to Berne SIT A	amG
18298	1125	OMZ MFA Prague	TCH TCH nx to embs	100 amG
18300	1135	OMZ MFA Prague	TCH clg OMZ277 Lisbon	75 amG
18363.6	2230	9PL Kinshasa Air	ZAI line test	50 amG
18646.6	2245	PCW1 MFA Den Haag	HOL selcall TVQY SIT A	amG
18925.3	1108	ETD3 Addis Air	ETH ry	50 amG
19216	2255	"RFLI" FF Fort de France	MRT rel to PapeeteARQ E3	96amG
19820	1510	3L5 TCH Emb Hanoi	VTN msgs to Prague	100 amG
20011.6	1548	ASN69 PAK Emb Stockholm	S msgs to JeddahSIT A	amG
20131	1535	"BZQU" YUG Emb Habana	CUB Encryp to Sofia	75 amG
20734	1600	UNHCR Freetown	SRL msgs to GenevaSIT A	amG
20750	1100	OEC51 AUT Emb Cairo	EGY to Vienna SI ARQ-96/6	amG
20976.2	1515	AAA3USA MARS Fort Meade,MD	USA msgs	75 amG
23021.8	1150	PAK Emb Ankara	TUR E msg Islamab.SIT A	amG
23051.8	1525	CLP45 CUB Emb Luanda	AGL to Habana	75 amG
23083	1735	I Emb Riyadh	ARS 5lgps to embs ARQ E	96 amG

A B B R E V I A T I O N S

5lgps = 5 letter-groups
 DOS = Department of State

Q S L - U M S C H A U

AFG-PTT Kabul	79	PPC,B/IRC,AK f/up	18640	YAK	10kw	sw65
ALB-Durres R.	65	PPC,B,AK/IRC,AK,Fo	8694	ZAD	1kw	dp41
ALB-Durres R.	96	PPC,AK,B/tnx dp41	8696	ZAD2	1kw	ai41
ARS-MARS Dammam	74	PPC,B,K/SASE,map	20940	AEM3UJ	1.2kw	sw65
ARS-MARS Dhahran	27	PPC/SASE,map	14606	AFQ375	500w	sw65
ARS-MARS South East ARS	87	B, PPC/SASE,map	14391.5	NNN0MEG	400w	sw65
AUS-Sydney Volmet	21	K,B/AK,IRC	11387		20kw	ai41
BEL-BUL Embassy Brussels	10	PPC/IRC back,AK,Fo	13386	ONN29	250w	dp41
CAN-Comfort Cove CGR.	26	PPC/	2598			nr75
CAN-Comfort Cove CGR.	28	PPC,I/AK,Fo	2598	VOO	1kw	dp41
CAN-Comfort Cove CGR.	65	PPC,I/AK,IRC	2598	VOO	1kw	ai41
CAN-Saint John's CGR.	6m	PPC/	2598			nr75
CAN-Saint John's CGR.	70	PPC,B/AK,Fo	2182	VON	5kw	dp41
CAN-Saint Lawrence CGR.	28	K,PPC,B,Tour I/	2598			nr75
CAN-Sydney CGR.	18	PPC,AK/IRC,AK,Fo	2598	VCO	1kw	dp41
CAN-Sydney CGR.	28	PPC/	2598			nr75
CHL-Puerto Montt Air	3m	B,PPC/	10036			nr75
CTA-NDB Ceuta Lt.	27	PPC,B/IRC,AK,Fo	305.7	"CE"	100w	dp41
CYP-Nicosia R.	3m	B/	8737.5			nr75
D -German Air Rescue Stuttg.	15	PPC,B,Sti's/AK,RP	8930		10kw	dp41
D -Kiel R.	4	PPC,B/AK,SASE	2182	DAO	7kw	ai41
D -Kiel R.	7	n/d B/Fo,RP	2775	DAO		dp41
D -MARS Bitburg	17	PPC,B/SASE	20188.5	AGA7BI	100w	sw65
D -MARS Erlangen	21	PPC,K/SASE	3875	AEM1ELN	100w	sw65
D -MARS Laubach	110	PPC,B,K/SASE	3917.5	AEM1ZLB	100w	sw65
D -MARS Rhein-Main	20	PPC/SASE	20188.5	AGA7RM	1kw	sw65
D -MARS Rhein-Main	38	PPC/SASE	3875	AFF7GE	100w	sw65
D -NDB Ansbach	7	PPC/	452	"ANS"		nr75
D -NDB Bayreuth	10	PPC/	420	"BAZ"		nr75
D -NDB Beeskow	14	PPC/ via?	402	"BKW"		nr75
D -NDB Boxberg	14	PPC/ via?	397	"BOG"		nr75
D -NDB Bugk	14	PPC/ via?	353	"HM"		nr75
D -NDB Coleman	28	PPC/ via Heidelberg	492	"HDM"		nr75
D -NDB Donaueschingen	5	PPC/	490	"DVI"		nr75

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D	-NDB Heidelberg	28	PPC/	417	"HDL"		nr75
D	-NDB M"nchengladbach	7	B,PPC/	377	"MGB"		nr75
D	-NDB Trent	14	PPC/ via?	348	"TRT"		nr75
D	-Rostock Rescue	37	PPC/AK, Fo, RP	5680		800w	dp41
E	-NDB Cabo de la Nao Lt.	21	PPC/ via Madrid	294.2	"NO"		nr75
E	-NDB Cabo Villano Lt.	21	PPC/ via Madrid	310.3	"VI"		nr75
E	-NDB Estaca de Bares Lt.	21	PPC/ via Madrid	301.1	"BA"		nr75
E	-NDB Murcia	28	PPC, B in Germ, AK, Sti	381	"LCZ"		nr75
E	-NDB Sabadell	10m	PPC, Business K/ dir	367	"SBD"		nr75
F	-NDB Caen/Carpiquet	7	PPC/	404	"CNE"		nrF
F	-NDB Cherbourg/Maupertus	14	PPC/	373	"MP"		nrF
F	-NDB Cr, ach d'Ouessant Lt.	21	PPC/ Frequenz? ed -->	374.5	"CA"		nrF
F	-NDB Dinard	9	PPC, I/	390	"DR"		nrF
F	-NDB Etampes/Mondesir	28	PPC, Fo/	295	"EM"		nr75
F	-NDB Nevers/Forchambault	28	PPC/	394	"NV"		nr75
F	-NDB Nimes/Garons	35	PPC, Business K, Fo/	354	"NG"		nr75
F	-NDB Rodez/Marcillac	14	PPC, Business K/	387	"RZ"		nr75
F	-NDB Saint Briec	35	PPC/	353	"SB"		nrF
F	-Nimes A, ronaval	10	PPC, AK, Sti/AK, Fo	5681.8	FWV		dp41
FJI	-Suva R.	27	PPC/IRC, AK, Fo	8690	3DP	1kw	dp41
FNL	-NDB Godby	42	PPC/ via Vantaa	392	"GDY"		nr75
FNL	-NDB Hyvink,,,"	15	PPC/AK, SASE	396	"HYV"		ai41
FNL	-NDB Turku	35	K/	389	"RK"		nr75
G	-Falmouth CGR.	24	PPC/AK, SASE	2182		50w	ai41
G	-Milford Haven CGR.	11	PPC, B, I, Sti/SASE, map	2182		250w	sw65
G	-NDB Alderney	42	PPC, AK, Business K/	383	"ALD"		nrIR
G	-NDB Brawdy	56	PPC/	414.5	"BY"		nrIR
G	-NDB Northampton/Sywell	14	PPC/	378.5	"NN"		nr75
G	-NDB Plymouth	14	PPC/	396.5	"PY"		nrIR
G	-NDB Strumble	56	PPC/	400	"STU"		nrIR
G	-Stornoway CGR.	19	PPC, I/AK, SASE f/up	2182		400w	ai41
G	-Stornoway CGR.	493	PPC, B, AK/IRC, AK, Fo	2182		750w	dp41
G	-USAF Croughton	19	B, PPC/AK, IRC back	11176	AJE		ai41
G	-USAF Croughton	30	B/AK, Fo	11176	AJE		dp41
GRC	-MARS Iraklion AB	131	PPC, B/IRC, map	20188.5	AGA7IR	500w	sw65
GRL	-Ammassalik R.	80	PPC, AKs/IRC, AK, Fo	2182	OZL	300w	dp41
HOL	-Ijmuiden Rescue	8	B, PPC/IRC, AK, Fo	5680	PBK	800w	dp41
HOL	-NDB Gully	35	PPC/ via Amsterdam	383.5	"GUL"		nr75
HOL	-Valkenburg Rescue	19	PPC, Sti's/AK, Fo	5680	PBV	1kw	dp41
HWI	-Honolulu R.	74	PPC/via FCC f/up '82	8543	KHK		dp41
HWI	-MARS Hickam AFB	41	PPC, B, map/SASE, map	20960	AGA8HI	500w	sw65
I	-Civitavecchia R.	28	PPC/AK, SASE	1888	IPD	1kw	ai41
I	-NDB Ancona	14	PPC/	374.5	"ANC"		nr75
I	-NDB Gazoldo	35	PPC/ via Verona	382	"GAZ"		nr75
I	-NDB Rome/Fiumicino	3m	PPC/ f/up	345	"FW"		nr75
I	-NDB Verona	35	PPC/ via Verona	354	"VIL"		nr75
I	-Rome Meteo	50	B, PPC/AK, SASE	5887.5	IMB	1kw	ai41
IND	-Calcutta Air	1m	PPC, B/	10066			nr75
IRL	-NDB Clonmel	21	B, PPC/ via Dublin	387	"CML"		nrIR
IRL	-NDB Cork	21	B, PPC/ via Dublin	362	"OB"		nrIR
IRL	-NDB Foynes	21	B, PPC/ via Dublin	395	"FOY"		nrIR
IRL	-NDB Tuskar Rock Lt.	42	PPC, B, Info/ dir	296.5	"TR"		nrIR
ISL	-Keflavik LORAN	30	PPC, B/IRC, AK, Fo	7512.5	TFR2	800w	dp41
IWA	-D Ny Meáboot Oker	81	PPC, Fo/AK, Fo, RP	5680	DRHG	400w	dp41
IWA	-D Ny Schulboot Baltrum	6	PPC/RP, AK, Fo	5680	DRNL		dp41
IWA	-Lifeboat Rosslare Harbour	22	PPC, Fo, I/AK, SASE	2182	MCER6	250w	ai41
IWA	-Lifeboat Tynemouth	59	PPC, Fo, I/AK, SASE	2182	2YBK	200w	ai41
IWA	-MARS USS Inchon	35	B, F, I/AK, Sti	14441.5	NNN0CUS	100w	wk98
IWA	-MS Abitibi Macado	38	PPC, B/AK, SASE	16587.1	DDNQ	1.6kw	ai41
IWA	-MS Barbara Blomberg	170	PPC/IRC, AK, Fo	8244.6	DA3097	150w	dp41
IWA	-MS Berlin Express	270	PPC/AK	16587.1	DEDD	800w	wk98
IWA	-MS British Enterprise V	64	PPC, B/AK, SASE	2182	GDBJ	500w	ai41
IWA	-MS Early Bird	60	PPC/AK, SASE	2182	LAFU2		ai41
IWA	-MS Frankfurt Express	43	PPC, B, Fo/AK, SASE	16587.1	DHFF	1.2kw	ai41
IWA	-MS Frithjof	38	PPC/RP	8244.6	DBFJ	1kw	wk98
IWA	-MS Guard Line Locator	15	PPC, B/AK, SASE	2182	GOTK	200w	ai41
IWA	-MS Hamburg Express	50	PPC/Sti	16587.1	DHEC	800w	wk98
IWA	-MS Humboldt Express	55	PPC/RP	16587.1	DDRL	1.6kw	wk98

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IWA-MS Langeoog	7	PPC, Fo/AK, RP	5680	DRNN	100w	dp41
IWA-MS Lord of the Isles	66	PPC, AK/AK, SASE	2182	MKHA7	400w	ai41
IWA-MS Lowland Pioneer	46	PPC, B/AK, SASE	2182	GFQK	400w	ai41
IWA-MS Manitou	19	PPC/AK, IRC	16587.1	DGMA	1.6kw	ai41
IWA-MS Monte Rosa	19	PPC/AK, IRC	16587.1	DGLM	1.6kw	ai41
IWA-MS Northern Installer	25	PPC/AK, SASE	2182	ZHFJ5		ai41
IWA-MS Red Sea Encounter	45	PPC/RP	16587.1	DIAC	1.5kw	wk98
IWA-MS Rh"n	7	PPC/AK, RP	5680	DRKM		dp41
IWA-MS Ruhrtal	50	PPC, F, AK/RP, AK	12401.3	DCVC	400w	wk98
IWA-MS Sedco 712	17	PPC/AK, SASE	2182	WMQH	400w	ai41
IWA-MS Smit Lloyd 123	19	PPC/AK, SASE	2182	PHSC	400w	ai41
IWA-MS Star Spica	463	PPC/SASE	2182	GFKY	400w	ai41
IWA-MS Vento di Grecale	84	PPC/AK, SASE	2182	IVFC	250w	ai41
IWA-Platform NW Hutton	20	PPC/AK, SASE	2182	GCQD	250w	ai41
IWA-Rig Dan Countess	27	PPC, B/AK, SASE	2182	C6IV6	250w	ai41
IWA-Rig Sedco 707	12	B, PPC/AK, SASE	2182	5MOU	400w	ai41
IWA-Rig Sonat DF96	14	PPC/AK, SASE	2182	H3PE	250w	ai41
IWA-Rig Treasure Driller	20	PPC/AK, SASE	2182	C6IF8	400w	ai41
IWA-Rig West Omikron	14	PPC, B, Sti/AK, SASE	2182	ELNS5		ai41
J -MARS Camp Butler	30	PPC, B/SASE, map	14383.5	NNN0MOC	1kw	sw65
KEN-Mombasa R.	21	PPC by reg.mail/	8441.5	5ZF		nr75
LBN-ICRC Beirut	310	PPC, B, AKs, Sti/AK, IRC	20942	ODR88	100w	dp41
MEX-Veracruz R.	55	B/AK, IRC, SBM	12775	XFU	1kw	ai41
NZL-NZPO Chatham Island	29	PPC/1\$ via well	8130	ZLC24	1kw	sw65
NZL-PTT Wellington	33	PPC, B/AK, 2IRC	18710	ZLX41	5kw	ai41
NZL-Wellington R.	42	B/	18710			nr75
PHL-Bulacan R.	24	PPC/AK, 1\$	8604	DZJ	5kw	ai41
PHL-US Embassy Manila	41	PPC/IRC, AK, Fo	12210	KWL90		dp41
PNG-Port Moresby R.	21	PPC, B/	13042	P2M		nr75
POL-Szczecin R.	107	PPC/AK, Fo	8557	SPE	10kw	dp41
POR-NDB Aveiro	42	PPC, B, Info/ via Lis	396	"AI"		nr75
POR-NDB Cabo Sao Vicente Lt.	21	PPC/ via Oeiras	303.4	"VC"		nrIR
PTC-PTT Pitcairn	33	PPC, B/AK via well.	15718	ZBP	1kw	ai41
QAT-CFARS Qatar	36	PPC, B/SASE, map	20970	CIQ	1kw	sw65
S -NDB Berga	30	PPC/	407	"BG"		nr75
TCH-NDB Cheb	21	PPC/ via Prague	317	"OKG"		nr75
TCH-NDB Mlad Boleslav	21	PPC/ via Prague	514.5	"DZ"		nr75
TCH-NDB Prague	21	PPC/ via Prague	300	"KD"		nr75
TCH-Prague R.	4m	K/	16977			nr75
TCH-Prague R.	114	PPC/IRC, map	16977	OMP	1kw	sw65
TUR-Ankara Meteo	70	B, Tour-I/IRC, AK, Fo	10422	YMA8	5kw	dp41
UAE-NDB Ras al Khaimah	??	B, PPC/	384	"RK"		nr75
URS-Kaliningrad R.	64	PPC, B, Ham-K/IRC, AK	16865	UJY	1kw	dp41
URS-Leningrad R.	125	PPC/AK, Fo	17115	URD	5kw	dp41
URS-Leningrad R.	129	PPC/AK, IRC	8687.5	URD	5kw	ai41
URS-Moscow R.	119	PPC, B, Business K/	8440.6	UAT		nr75
URS-Moskau R.	130	PPC, B, Kalender/AK	13091	UAT	15kw	ai41
URS-Odessa R.	62	PPC, B, AK, Ham-K/IRC	17063	UFB	5kw	dp41
URS-Tallinn R.	35	PPC, AK/IRC, AK, Fo	6485	UAH	1.5kw	dp41
URS-Tallinn R.	206	PPC, AK/AK, SBM	13092.5	UAH	1.5kw	ai41
URS-Vladivostok R.	28	B, PPC, AK/	22435	UFL		nr75
URS-Vladivostok R.	89	PPC, B, AKs/IRC, AK, Fo	12955	UFL	3kw	dp41
USA-Dixon R.	52	K, I/AK, SASE	17236	KMI	10kw	ai41
USA-MARS Alexandria	23	PPC, B/SASE f/up	14441.5	NNN0NCG	1kw	sw65
USA-MARS Alexandria, VA	44	K, PPC, I/1\$	20373.5	NNN0NCG	1kw	wk98
USA-MARS Anaheim	37	PPC, K/SASE, map	13974	NNN0BST	5kw	sw65
USA-MARS Bellevue	39	PPC/SASE, map	14391.5	NNN0ERM	500w	sw65
USA-MARS Camp Lejeune	44	PPC/SASE, map	14470	NNN0MCL	750w	sw65
USA-MARS Caneyville, KY	28	PPC/AK, SASE	13826	NNN0PRQ	1.2kw	ai41
USA-MARS Charleston	61	PPC/SASE, map	14441.5	NNN0OMD	1.2kw	sw65
USA-MARS Elizabethtown	24	PPC, K, B/SASE, map	13974	NNN0EWL	600w	sw65
USA-MARS Fort Eustis	109	PPC, B/SASE, map	20994	AAR3USF	300w	sw65
USA-MARS Fort Monmouth	23	PPC, B/SASE, map	20940	AAR2USI	1kw	sw65
USA-MARS Fort Sam Houston	25	PPC, B, I/SASE f/up	13996	AAA6USA	100w	sw65
USA-MARS Greenwood	36	PPC, K/SASE, map	20994	AAV4KB	700w	sw65
USA-MARS Grissom AB	28	PPC/SASE, map	14606	AGA1GR	200w	sw65
USA-MARS Gulfport	24	PPC/SASE, map	14441.5	NNN0LTV	500w	sw65
USA-MARS Jacksonville	34	PPC/SASE, map	13974	NNN0BYR	100w	sw65

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USA-MARS La Habra Heights	18	PPC, B/SASE, map	14391.5	NNN0AIO	500W	sw65
USA-MARS Little Rock AFB	25	PPC, B, K, Fo/SASE, map	14606	AGA4LR	300W	sw65
USA-MARS Mariposa	22	PPC, B, K/SASE, map	14441.5	NNN0PKH1	1.3kw	sw65
USA-MARS Mountainsburg	32	PPC, K, AK/SASE, map	14441.5	NNN0KUR	500W	sw65
USA-MARS Myrtle Beach	24	PPC/SASE, map	14390.5	AGA2MB	500W	sw65
USA-MARS Myrtle Beach, SC	21	PPC, Ham-K/SASE, AK	14463.5	NNN0RWO	300W	ai41
USA-MARS Patrick AB	25	PPC, B, map/SASE, map	20994	AGA2PT	500W	sw65
USA-MARS Quantico, VA	42	PPC, 2 Sti/AK, Sti	14483.5	NNN0MQU	500W	wk98
USA-MARS Rockwell Corp.	22	PPC, I/SASE, map	20994	AFC6RI	1kw	sw65
USA-MARS STinker AB	36	PPC/SASE, map	14606	AGA4TI	1kw	sw65
USA-MARS Tinker AB	35	PPC, B/SASE, map	14606	AGA4TN	1kw	sw65
USA-MARS Woodbridge	23	PPC, B/SASE, map	14391.5	NNN0GRH	500W	sw65
USA-MARS Wright-Peterson AB	18	PPC/SASE, map	14606	AGA1WP	100W	sw65
USA-Ocean Gate R.	38	PPC, K, I/- f/up	13107	WOO	10kw	sw65
USA-USCG Miami	3m	K, AK, Sti/	8894	NMA		nr75
VIR-FEMA Saint Croix	379	PPC/SASE, map	19757	WGY917	1kw	sw65
VTN-Ho-Chi-Minh Ville R.	60	PPC, AK, Bus K/	13042	XVS		nr75
YUG-Dubrovnik R.	57	PPC/IRC, AK, Fo	2182	YUX	2kw	dp41
ZAI-PTT Lubumbashi	124	PPC, B/AK, Fo	20410	9RE395	5kw	dp41

nrF ist nr75 in Frankreich.

V E R I E S I G N E R / A D R E S S E S

NDB Ancona "ANC" and Falconara "FAL": Azienda Autonoma di Assistenza al volo per il Traffico Aereo Generale, Centro Aeroportuale di Ancona-Falconara, Settore Tecnico, I-Falconara, Italy

NDB Rome-Fiumicino "FW": A A A V T A G, Centro A.V.Fiumicino, Via Giorgio Cayley No.215, I-00050 Aeroporto Fiumicino, Italy

NDB Murcia "LCZ": Aeropuerto Murcia-San Javier, Servicio de Operaciones, E-30720 Santiago de la Ribera, Murcia

NDB Ras al Khaimah "RK": International Aeradio Ltd., PO Box 501, Ras-al-Khaimah, UAE

NDB Alderney "ALD": State's Airport, Annette Quayle, Air Traffic Controller, Alderney, Channel Islands, United Kingdom (alle von nr75)

Kiel Radio: Funkstellenweg 130, W-2300 Kiel-Friedrichsort, Germany

BUL Embassy Brussels ONN29: Ambassade de la R,p.Bulgarie, Avenue Hamoir 58, B-Bruxelles

Rostock Rescue private address: Heinz-Dieter Stahn, Lion-Feuchtwanger-Str.17, O-2300 Stralsund 13, Germany (reports welcomed)

Ammassalik Radio: Tele Attaveqaatit, Grinlands Telev'sen, Postboks 98, 3913 Ammassalik, Greenland

Rescue Cruiser/Seenotkreuzer "Vormann Jantzen" DBAG: c/o Vormann Wolfgang R.,tzer, Wilhelm-H"rnig-Str.6, O-2520 Rostock, Germany

V/s Durrës Radio ZAD: Joran Likja, Chief of Station (dp41)

Dixon Radio KMI: AT&T, High Seas Radio Station, 18500 Sir Francis Drake Blvd, PO Box 9, Inverness, CA 94937, USA

V/s Dixon R.: Greg Sparacino

V/s Rome Meteo: Francesco Fantauzzo, Magg.Gen.GArf.

V/s USAF Croughton: Rita Whiteley

NNN0BYR: Howard A Bowen, 14135 Puritan Court, Jacksonville, FL 32226

NNN0ERM: J P Foster, 8026 SE 126th Place, Belleview, FL 32620

NNN0GRH: Ralph Hirsch, 172 Newton Road, Woodbridge, CT 06525

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PTT Kabul: Mr.Gulan Rasul, PO Box 1656, ITU Relation Office, Ministry of Communications, Kabul, Afghanistan (sw65)

I N F O S

OM dp41 asks whether Ijmuiden Rescue and Netherlands Coastguard count as one station.

For fgI here is an abridged version of the "Code 3" article in the 5/91 issue: Code 3 is a decoder program for different modes of RTTY transmissions like Packet, AX25, Hell, Fax, Morse, Baudot, ASCII, ARQ, ARQ-SWED, ARQ-S, ARQ-E, ARQ-N, ARQ-E3, ARQ-POL, FEC-A, TWINPLEX, TDM 342 a.s.o. and costs 895DM in Germany. For this money you will receive the basic version on 5.25 or 3.5 disc and the converter which is necessary for the connection between rx and pc. The installation manual is mainly in German. The program runs on all IBM pcs with CGA, EGA, VGA, EVGA, Hercules, at least 640kb ram and DOS 2.0 or higher. The rx should be very stable and sensitive. A frequency tuning of at least 10Hz should be possible especially when to deal with the more exotic modes. In practice especially the Fax device is very impressive. With Hercules, CGA or EGA reception of weather charts or press photos is possible with 4 grey nuances (16 with VGA or EVGA). For specialists the program has a number of devices for analyzing unknown RTTY modes. Intercepted data can easily be stored on harddisc or floppy disc. We can recommend the program very much. Within one year after purchasing the customer will receive an updated version free of charge.

Address of manufacturer: Hoka Electronic, Feiko Clockstraat 31, NL-9665 BB Oude Pekela, The Netherlands (by cw34, translation and mistakes by your ed).

Fee received from mdG and wk98.

I M P O R T A N T ! ! ! !

From the 22nd August to the 22nd October 1991 I will be on Zanzibar Island for a short working assignment of my University. My substitute for the 9/91 issue will be:

MICHAEL OEXNER, WALLONENSTRASSE 5, W-6748 BAD BERGZABERN, GERMANY

Correspondence for the 9/91 should be sent o n l y to this address. As there is no issue in August as usual, we'll see each other in October.

A lot of thanks to the following contributors: dp41, amG (sorry, but I couldn't include your remarks in this issue, because I didn't receive them from my substitute in time, will be included in September), wk98, cw34, nr75, ai41 and last but not least to sw65.

To pcG many thanks for the stamps on behalf of the beneficiary!

Hi everybody! As Reinhard prefers to be on Zanzibar (tnx for your letter, by the way) and not at the keyboard of his PC to edit the Newsletter, somebody else had to take the driver's (or rather typist's) seat and follow the call of duty. Thanks to your support I had the pleasure to compile another issue full of infos and hope everybody finds something of interest. Here we go...

NONDIRECTIONAL BEACONS

283.0 0051 SEB	Sebha	LBY id	js33
287.3 2312 FN	Walney Island Lt	G id+tone	js33
287.3 2313 PS	Point Lynas Lt	G id+tone	js33
287.3 2315 HA	Mount Carmel Lt	ISR id+tone 3000km	js33

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289.0	2315	RI	Rijeka	YUG	id	js33
289.6	2314	SK	Skomvaer Lt?	NOR	id+tone	js33
289.6	2318	TL	Punta del Penna Lt	I	id+tone	js33
289.6	2334	TN	Thyboron Lt	DNK	id+tone	js33
290a	2328	F	UNID	?	id	js33
290.0	2204	TR	Tirana	ALB	id (good catch, ed)	js33
290.0	2326	GRZ	Graz	AUT	id	js33
291.0	2350	Z	Vantaa	FNL	id	js33
291.5	2349	DG	Daugavgriva	URS	id+tone	js33
291.5	2350	CT	Constanta Lt	ROM	id+tone	js33
291.5	2351	KL	Nos Kaliakra Lt	BUL	id+tone	js33
291.5	2352	EI	Nos Emine Lt	BUL	id+tone	js33
291.5	2353	MN	Maslen Nos Lt	BUL	id+tone	js33
292.0	2359	NOV	Novara	I	id	js33
293.0	2357	BW	Mende-Brenoux	F	id+tone	js33
294.0	2206	LH	Ludvika	S	id	js33
294.2	0014	PA	Cabo Palos Lt	E	id+tone	js33
294.2	0015	MH	Mokhni Lt	URS	id+tone	js33
294.2	0017	PA	Pakri Lt	URS	id+tone	js33
295.5	0020	EM	Etampes-Mondesir	F	id+tone	js33
296.5	2218	NP	Punta Carena Lt	I	id+tone	js33
296.5	2220	LC	Capo San Vito Lt	I	id+tone	js33
296.5	2222	VN	Capo Vaticano Lt	URS	id+tone	js33
298.8	0038	MN	Hammerodde	DNK	id+tone	nr75
310.3	2342	VR	Utvaer	NOR	id+tone	nr75
310.3	2350	BC	Cap Blanc	TUN	id+tone	nr75
312.5	0006	WW	Ventspils	URS	id+tone	nr75
312.5	0007	WN tent	UNID	?	id+tone, vy weak	nr75
312.5	0008	WB tent	UNID	?	id+tone, vy weak	nr75
312.5	0015	KA	Klaipeda	URS	id+tone	nr75
312.6	0012	FR	Faerder	NOR	id+tone	nr75
315.0	2338	GD	Lvov	URS	id	nr75
317.5	2205	TRP	Trapani/Birgi	I	id	nr75
323.0	0026	SP	Skrydstrup	DNK	id	js33
328.0	2343	HIG	San Sebastian	E	id	js33
330.0	0031	OB	Bratislava	TCH	id	js33
331.0	0046	TUR	Tours	F	id+tone	js33
334.0	0001	GMN	Gormanston	IRL	id	js33
338a	0006	AY	UNID	?	id	js33
341.0	2040	POR	Pori	FNL	id	nr75
346a	2142	TB	UNID	?	id	nr75
346.0	2147	NAS	Tranas	S	id+tone still active	js33
346.0	2357	MI	Mikkeli	FNL	id	js33
350a	0020	SL	UNID	?	2*id+tone	nr75
350.0	2300	SOF	Sofia	BUL	id+tone	nr75
350.0	2345	DWN	Devnya	BUL	id+tone	nr75
353.0	2140	KRT	Kartuzy	POL	id	nr75
355.0	0230	AA	Barcelona	E	id	nr75
360.0	0044	ELB	Elba	I	id	js33
360.0	2040	WT	Riga/Engure	URS	id	nr75
364.0	0141	GRU	Grudziadz	POL	id	nr75
369.0	2333	VS	Tampere	FNL	id	js33
370.0	0018	CGZ	Charles de Gaulle/Paris	F	id	js33
372.0	0022	PY	Le Puy-Loudes	F	id+tone	js33
373.0	0019	MP	Cherbourg-Maupertus	F	id+tone	js33
374.0	0103	GB	Forde/Bringeland	NOR	id	js33
374.0	0105	RNR	Radnor	G	id local SOG off	js33
374.5	0005	ANC	Ancona	I	id	js33
374.5	0010	RB	Orebro	S	id	js33
375.0	0205	CBN	Cumbernauld	G	id	js33
378.0	0025	OK	Pleshchenitsy	URS	id+long tone	js33
378.0	2043	OK	Pleshchenitsy	URS	id+tone	nr75
379.0	2015	CZ	Charleville	F	id+tone	pcG
380.0	0032	BRI	Bristol	G	id	js33
383.0	2046	ERK	Erken	S	id	nr75
388.0	2050	COR	Corner	S	id	nr75
388.5	2008	CH	Amsterdam/Schiphol	HOL	id	pcG
389.0	2146	UD	Shiryayevo	URS	id	pcG

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389.0	2307	UD	Shiryayevo	URS	id	nr75
392.0	2006	VUN	Verdun	F	id+tone	pcG
392.0	2015	VUN	Verdun	F	id+tone	nr75
392.0	2235	DVN	Split	YUG	id+tone	nr75
394.0	2052	SUW	Suwalki	POL	id	nr75
396.0	2014	ROC	Rochefort	F	id+tone	pcG
398.0	0051	OK	Connaught	IRL	id+tone (?? ed)	js33
399.5	2128	ONO	Ostende	BEL	id+tone	pcG
402.0	0653	OP	Brussels	BEL	id	pcG
402.0	2126	HRN	Hurn-Bournemouth	G	id	pcG
402.0	2127	ORW	Paris Orly	F	id	pcG
403a	2131	KB	UNID	?	id	pcG
404.0	2130	LRD	Lerida	E	id	pcG
404.0	2132	BMR	Baia Mare	ROU	id, new catch	pcG
404.5	2136	RR	Rotterdam	HOL	id	pcG
406.0	2137	WJ	RAF Wittering	G	id	pcG
406.0	2139	GRO	Grosseto	I	id	pcG
408.0	2141	BRK	Bruck	AUT	id	pcG
409.0	2134	SG	Satenaes	S	id	pcG
409.0	2143	DGO	San Domingo	E	id	pcG
409.0	2144	MRC	Arbaoua	MRC	id (good catch, ed)	pcG
409.0	2147	NCS	Negy Cserkesz	HNG	id	pcG
412.0	2147	GDA	Granada	E	id	pcG
412.0	2148	AS	Arhus	DNK	id+tone	pcG
418.0	2156	ORA	Oradea	ROU	id	pcG
423.0	2206	FE	Odense/Beldringe	DNK	id ex 360	js33
424.0	2212	KE	Kosice	TCH	id	js33
425.0	2245	DNC	Demasvici	YUG	id+tone	nr75
426a	2113	DH	UNID	?	id	nr75
432.0	2218	CA	Bobrka	URS	id	js33
435.0	2217	JBR	Jaszbereny	HNG	id with "E"	js33
450.0	2217	ZO	Zitorada	YUG	id+tone	nr75
457a	2229	LP	UNID	?	id	js33
474.0	2129	RZE	Rzeszow	POL	id	js33
525a	0021	P	UNID	?	id	js33

MARITIME

418.5	1958	FUG	FN La Regine	F	cw-vvv faaw	pcG
2182.0	1849		Fleetwood Lifeboat	IW	wkg Portpatrick R	fd40
2182.0	2353	EAL	Las Palmas R	CNR	wkg ECAD	fd40
12719.8	2107	ZLO5	RNZN waiouru	NZL	cw-de	pcG
12984.0	0655	VNG	Llandilo	AUS	cw-id vng + pips	pcG
13042.0	0649	RCV	SN Moscow	URS	cw-cq	pcG
13042.5	2132	PJC	willemstad R	ATN	cw-cq	pcG
13060.5	0723	TUA5	Abidjan R	CTI	cw-wkg	pcG
13076.5	1923	JNA	JN Tokyo	J	cw-cq new fq alloc	pcG
13107.0	2115	HKC	Buenaventura R	CLM	S call + tfc	pcG
14605.5	0900		Helsinki R	FNL	E wkg URS ships/UIEF	fs79
16528.0	0830		Tulcea R	ROU	Rum. wkg f/v Cerna	fs79
16912.0	0828	SUH	Alexandria R	EGY	cw-cq	pcG
16918.8	1109	VHP	RAN Canberra	AUS	cw-vvv	pcG
17164.8	1722	ZSC7	Capetown R	AFS	cw-cq	pcG
17172.4	1721	9MG11	Georgetown R, Penang	MLA	cw-vvv	pcG
17215.0	0647	JDB	Nagasaki R	J	cw-cq new fq alloc	pcG
17235.5	2131	HPP	Panama R	PAN	cq-cq vvv new fq all.	pcG
17236.4	1225	UJY	Kaliningrad R	URS	cw-cq new fq alloc	pcG
17239.0	2042	XSV	Tianjin R	CHN	cw-cq new fq alloc	pcG
19782.0	1415	URD	Leningrad R	URS	R tfc w ships	fs79
22330.5	1524	D3E	Luanda R	AGL	cw-cq	fd40
22447.0	1255	FUV	FN Djibouti	DJI	cw-vvv	fd40
22450.0	1252	PPO	Olinda R	B	cw-vvv	fd40
22479.0	1420	9VG27	Singapore R	SNG	cw-cq	fd40
22496.0	1415	PPJ	Juncao R	B	cw-vvv	fd40
22515.0	1727	KFS	San Francisco R	USA	cw-cq	fd40
22545.0	1730	FUM	FN Papeete	OCE	cw-vvv	nr75
22578.5	1410	9VG5	Singapore R	SNG	cw-cq	fd40
22587.5	1315	LPD	Gen. Pacheco R	ARG	cw-vvv	fd40

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AERONAUTICAL

5637.0	1926		Malta Air	MLT	E	clg	Athens	fs79
5637.0	1927		Athens Air	GRC	E	wkg	Malta	fs79
5637.0	1935		Kerkyra Air	GRC	Gr	wkg	Athens	fs79
6905.0	1900	RKS72	Murmansk	URS	R	fm	with wx	fs79
8855.0	0001		Cayenne Air	GUF	?	wkg	Piarco and JA03	fd40
8855.0	0007		Piarco Air	TRD	E	wkg	Piarco 254	fd40
8855.0	0011		Brasilia Air	B	?	wkg	Brazil5800	fd40
8855.0	0014		Paramaribo Air	SUR	E	wkg	Surinam 2224	fd40
8855.0	0017		Maiquetia Air	VEN	E	wkg	Piarco 708	fd40
8855.0	0040		New York Air	USA	E	wkg	AF242	fd40
8855.0	0043		La Paz Air	BOL	?	clg	Porto Velho	fd40
8855.0	0047		Manaus Air	B	E	wkg	AMT839	fd40
8855.0	0100		Cayenne Air	GUF	E	clg	Paramaribo	fd40
8855.0	0116		Porto Velho Air	B	P	wkg	La Paz	fd40
8855.0	2302		Manaus Air	B	?	wkg	MU522	fd40
8861.0	0020		Casablanca Air	MRC	F	wkg	Air Africa Z01	fd40
8861.0	0021		Abidjan Air	CTI	F	wkg	Casablanca Air	fd40
8861.0	0022		Dakar Air	SEN	F	wkg	Casablanca Air	fd40
8861.0	0237		Canarias Air	CNR	E	wkg	AF216	fd40
8891.0	0251		Cambridge Bay Air	CAN	E	wkg	LH493	fd40
8906.0	0124		Santa Maria Air	AZR	E	wkg	Portugal 796	fd40
8906.0	0125		New York Air	USA	E	wkg	Condor 567	fd40
8932.0	0305		Springbok LDOC	AFS	E	wkg	Springbok 252	fd40
8976.0	2103		RAAF Sydney	AUS	E	wkg	UNID	pcG
9003.0	1840	JYJ	RJ Amman	JOR	E/A	wkg	Jordanian 082	fs79
10018.0	1902		Karachi Air	PAK	E	wkg	PIA211	fd40
10018.0	2045		Muscat Air	OMA	E	wkg	Bombay	nr75
10057.0	1922		Brazzaville Volmet	COG	F	wx		fd40
10066.0	2027		Calcutta Air	IND	E	wkg	LH4517	fd40
10066.0	2106		Yangon Air	MYR	E	wkg	UNID	fd40
10066.0	2107		Dhaka Air	BGD	E	wkg	Yangon Air	fd40
10066.0	2240		Bangkok Air	THA	E	wkg	Singapore	fd40
10066.0	2240		Singapore Air	SNG	E	wkg	Bangkok	fd40
11396.0	1605		Singapore Air	SNG	E	wkg	LH797	fd40
17931.0	1018		DRF Stuttgart	D	E	clg	Ambulance 72	fs79

FIXED BANDS

5367.5	2330	FDY	FAF Orleans	F			cw-vvv	amG
5870.0	2328	NAR	USN Key West FL	USA			cw-wx in E	amG
9228.0	1745	5AH	Benina Air	LBY	E	wkg	Malta Air	fs79
19747.5	1327	6VU79	Dakar Meteo	SEN			cw meteo msgs (cw?,ed)	pcG
20832.0	1600		Simferopol	URS	R		p/p-s	fs79

RADIOTELETYPE

3177.5	2315	AWC	Calcutta Air	IND	ry			50 amG
4570.0	1835	HZN50	Jeddah Meteo	ARS	met			100 pcG
4787.5	2300	6VU..	Dakar Meteo	SEN	ry			50 js33
5381.5	1850	RETWLN	GC Navarra	E	msgs		SIT A	pcG
5804.0	2000	9GC	Accra Air	GHA	ry			50 pcG
6945.0	0910	RFFA?	MOD Paris	F	RFFGC	de	RFFDCC ARQ	E96pcG
7350.0	2228	BAF44	Beijing Meteo	CHN	wx			50 amG
7355.0	2310	TZH	ASECNA Bamako	MLI	ry			50 amG
7957.7	1130	RFFA	MOD Paris	F	msgs		ARQ-E 72	pcG
8128.0	1041	RFFH	FF Marseille	F	wkg	RFFXSC	ARQ-E 72	pcG
8221.5	2247		Abu Dhabi Marine Op.	UAE	personnel	lists	SIT A	amG
9072.5	2300	TLO	ASECNA Bangui	CAF	testing			50 amG
9846.0	2317	TUH	ASECNA Abidjan	CTI	wx, msgs	(ILA)		50 amG
10423.5	1615	YMA20	Ankara Meteo	TUR	wx			50 amG
10956.2	0750	HBD20	MFA Berne	SUI	G/E	nx	SIT A	pcG
11021.8	2315	RPFNN	PN Apulia	POR	clg	RPTIH Horta		50 amG
11035.0	1630	UKS	SAM Barentsburg, Spit.	NOR	russian	msgs		50 amG
11043.0	1555	D2Z	F Emb Budapest	HNG	clg	P6Z Paris		75 amG
11052.0	1600	F9S	F Emb Prague	TCH	5lgps	to Paris		75 amG

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11065.0	1545	YAV	Kabul Air	AFG ry de OAKB	50	amG
11098.3	2325		Min. of Defence Carac.	VEN ending Sp tfc	SIT A	amG
11507.5	2123	STK	Khartoum Air	SDN ry	50	pcG
11541.0	2107	70C	Aden Air	YMS tfc 'AVB' circuit	50	pcG
11546.0	2043	5YD	Nairobi Air	KEN ry	50	pcG
12145.5	1610		Italdipl. Teheran	IRN 5lgps to Rome	SIT A	amG
12282.2	2315	ZPK	PN Asuncion	PRG Sp msgs to PWX	75	amG
13376.0	1614		TUR E Vienna	AUT T msgs to Ank.FECA144		amG
13571.0	1555	HBD58	SUI E Moscow	URS 5lgps to Bern	SIT A	amG
13584.7	2215	CXR	UNy Montevideo	URG ry	75	amG
13936.0	1548		TUR E Moscow	URS T msgs to Ank.FECA144		amG
14362.0	0725	5W3	TCH E Moscow	URS Cz. msgs to Pragu	100	amG
14370.2	2240	CCF	CN Antofagasta	CHL Sp msgs to CCS	50	amG
14397.0	0748		BUL E Tripoli	LBY encr. msgs to Sof.	75	amG
14400.0	1555	OMZ26	TCH E Cairo	EGY E msgs to Pr.	100	amG
14410.0	0728	RPTIH	PN Horta	AZR testing	50	amG
14420.0	????	RFTJD	FF Libreville	GAB ctl.du voie ARQ-E	72	pcG
14560.0	0715	HVN	PTT Vatican	CVA clg LisboaARQ242	2ch96	pcG
14688.0	1510	V5G?	Bucharest	ROU Rou nx ROU-FEC	164.5	pcG
14754.0	2300	RFFXI	FF Bangui	CAF 5lgps to Paris ARQE72		amG
14786.5	2125	9PL	Kinshasa Air	ZAI 'ZUA' circ. msgs	50	pcG
14815.0	0753	CLP45	CUB E Luanda	AGL Sp msgs to Havana	50	amG
14821.7	1110		EGY E Islamabad	PAK 5lgps to Cairo	SIT A	amG
14927.0	0846	RFTJ	FF Dakar	SEN ctl.d.v. ARQ342	1ch48	pcG
14946.2	1620	TAD73	TUR E Sofia	BUL T&E msgs Ank. FECA144		amG
14973.0	1105	SNN299	MFA Warsaw	POL Pol. msgs Dak.POLA125		amG
15041.8	1625		EGY E Tunis	TUN 5lgps to Cairo	SIT A	amG
15661.0	1533	T6E	F E Khartoum	SDN 5lgps to ParisFECA144		amG
15855.0	1515	DMK	MFA Bonn	D G msgs	ARQ-E 96	pcG
15944.0	1620	TAD28	TUR E Madrid	E T msgs to Ank.FECA144		amG
16031.4	0900	RBI75	PTT Moscow	URS idl.+msgsARQ342	2ch96	pcG
16106.0	1112	FZM62	FTS Noumea	NCL rel. MFA press bc	50	amG
16136.7	1605		EGY E Kuwait	KWT 5lgps to Cairo	SIT A	amG
16193.0	1546	TAD29	TUR E Rome	I T msgs to Ank.FECA144		amG
16246.2	2258	PWX33	BN Brasilia	B clg ZPK Asuncion	75	amG
16268.0	1130		TUR E Beijing	CHN 5lgps to Ank. FECA144		amG
16274.0	1607	M3J	F E Amman	JOR 5lgps to ParisFECA192		amG
16302.0	1135	OMZ	MFA Prague	TUR 5fgps to Madrid	75	amG
16466.2	2228	CLP7	CUB E Brazzaville	COG Sp msgs to Havana	50	amG
17530.0	1919	H..	Berne	SUI F nx	50	pcG
18033.6	1535	S3B	F E Bogota	CLM F msgs	ARQ6-90 200	amG
18033.6	2230		French Comm. F.de Fra.	MRT F msgs	ARQ6-90 200	amG
18040.5	1545	HGX38	HUN E Hanoi	VTN Hng. msgs Bud.DUP	ARQ	amG
18216.3	2255		MOD Brasilia	B P personnel msgs	50	amG
18279.4	1115	HBD68	SUI E Guatemala City	GTM 5lgps to Bern	SIT A	amG
18443.0	0855		MFA Rome	I msgs to MoscowARQE	96	pcG
18552.0	1100	V5G?	Bucharest	ROU Rou nx ROU-FEC	164.5	pcG
18597.5	1635	EAE220	MFA Madrid	E Sp nx to Emb.	SIT A	amG
18916.0	1052	O9B	F E Cairo	EGY encr. to ParisFECA192		amG
19130.0	1034	JPA59	Interpol Tokyo	J E msgs to New Del.	50	amG
19510.0	1555		F E Lagos	NIG encr. Par.ARQ6-90	200	amG
19649.0	1615	G7M	F E Bangkok	THA F msgs to Par.FECA144		amG
19788.8	1035		EGY E Beijing	CHN E msgs to Cairo	SIT A	amG
19811.3	1630	HGX43	HNE E Jakarta	INS Hng msgs Bud. DUP	ARQ	amG
20153.5	0940	PWX33	BN Brasilia	B clg LOL	75	amG
20633.7	1602	RFVI	FF Le Port	REU ctl.d.v. ARQ E3	100	pcG
20698.0	2124	LOL	AN Buenos Aires	ARG msgs to PWZ33	75	pcG
20754.4	1105	ARH252	ICRC Peshawar	PAK msgs to Geneva	SIT A	pcG
20754.7	1130	ARH252	ICRC Peshwar	PAK E msgs to Gen.	SIT A	amG
20756.5	1810	RFLI	FF Fort de France	MRT ctl.d.v. ARQ342	1ch96	pcG
20812.0	0958	RFTJD	FF Douala	CME ctl du voie ARQ E3	48	pcG
20940.0	1540	CXR	UN Montevideo	URG clg HDN	75	js33
20972.0	1443	RCF	Moscow?	URS ry cq de rcf	75	pcG
22833.5	1540	3ZL301	Pol. Ant. Stn King G.	ANT wx etc. to Wars.SIT A		amG
22960.0	1542	S5F	F E Brasilia	B relay Pap.ARQ6-90	200	amG
23172.0	1120	SPP341	POL E Lagos	NIG Pol msgs Wars.POLA125		amG
23214.8	1100		CUB E New Delhi	IND 5fgps to Havana	50	amG
23355.0	1750	CLP	MFA Habana	CUB Sp nx	75	pcG

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23717.0	1510	RFHJ	FN Papeete	OCE ct1.d.v. ARQ342	1ch96	pcG
24270.6	1100		I E Damascus	SYR 5lgps to Rome	SIT A	amG
24458.5	1045	FJY5	TAAF Alfr. Faure Cr.I.	ANT F msgs to Par.	ARQE396	amG
24458.8	0945	FJY3	DTRE Dum. d'Urville	ANT F msgs	ARQ E 96	pcG
25421.0	1448	DMK	MFA Bonn	D G tfc	ARQ-E 96	pcG
?????.?	1020	HGG31	MTI Budapest	HNG ry		50 pcG

UNID

4443.6	2117		VFT ARQ E 72/96	4 channels VFT, 2 ch. of		pcG
				ARQ-E72, 2 ch. ARQ-E96,		
				all idling		
4601.5	2156		SIT A	5lgps & "FM 68 TO EAZ...		pcG
				grp 0045 OK BT NIL QSL"		
14518.0	1436		ARQ-S 96	G msgs "AMMAN KOMMT HIER		pcG
				MIT EINEM BOMBENSIGNAL"		
ed: most probably OEC MFA Vienna/AUT around				14520		
14576.0	1250		75 Bd	5lgps, off with "QRU? K"		pcG
18758.0	1000		ARQ 6-90 100	Scand. lang. msgs,		pcG
				Stockholm mentioned often		
ed: should be SAM MFA Stockholm/S around				18760		
20948.5	1758		AR TRAC 125 (??,ed)	E nx, Asian Affairs		pcG
				fq hops regularly, abt 400 Hz		
ed: could be MFA Bangkok/THA						
23191.5	0817		ARQ 342 1ch 96	F tfc & wx prognosis,		pcG
				New Amsterdam mentioned often		
23385.0	0927		75 Bd	5lgps, off with "QRU CFM		pcG
				TKS GB SK"		
25195.5	1211		50 Bd	numbers FNP TKA4		fd40

QSLs

ALB-Durres R	95	B/-	8696	ZAD		js33
AUS-Darwin Air	49	B,PPC/	11396		10kw	mo67
AUT-NDB Linz	510	PPC/Fo,IRC	327	LNZ	80w	fd40
B -Porto Velho Air	43	PPC,B/AK,\$	8855		1kw	fd40
CNR-Canarias Control	32	B/AK,RP	8891		1kw	fd40
D -CFARS Baden	53	B,PPC/	20970	CIW92	1kw	mo67
D -MARS Erlensee	14	AFD K/SASE	20972	AEM1FGT		js33
D -NDB Ahlhorn	9m	PPC/Fo,RP	290	AHL	60w	fd40
D -USA MARS Berlin	105	B/	20994	AEM1QF	2kw	mo67
E -Madrid R	135	B,K/	17064.8	EDZ6	10kw	mo67
E -NDB Bagur	39	PPC/AK,RP	319	BGR	200w	fd40
E -NDB Barcelona	39	PPC/AK,RP	338	QA	50w	fd40
E -NDB Castejon	21	PPC/AK,RP v. Madrid	362	CJN	40w	fd40
E -NDB Costix	174	PPC/Fo,RP	351	CST	200w	fd40
E -NDB Murcia/San Javier	159	PPC,stickers/	381	LCZ	200w	mo67
E -NDB Sagunto	18	PPC/AK,RP v. Valenc	356	SGO	200w	fd40
E -NDB Villanueva	21	PPC/v. Madrid	380	VNV	75w	fd40
EQA-EN Quito	80	PPC/IRC	23432	HDN	10kw	js33
F -NDB Hyeres	46	PPC,infos/AK,RP	322	HYE	100w	fd40
F -NDB Le Havre/Octeville	22	PPC,K/AK,RP	346	LHO	25w	fd40
F -NDB Nevers	35	PPC/AK,RP 2nd try	394	NV		fd40
FNL-NDB Helsinki-Malmi	14	B,PPC/SASE	408	M	100w	js33
FNL-NDB Tampere	14	B,PPC/SASE	369	VS	400w	js33
FNL-NDB Utti	14	B,PPC/SASE all v. He.	400	KO	300w	js33
G -Rescue 137	13	PPC/RP	5680		400w	js33
G -Rescue 177	14	B,PPC,Fo,st./RP				js33
G -Shetland CG	70	PPC/	2182		50w	mo67
G -USAF Croughton AFB	45	PPC without det./	11176	AJE		mo67
GHA-Accra Air	161	B,PPC/	8903		5kw	mo67
GRL-Sondrestrom Stromfj. Air	41	B,PPC/	8945		2kw	mo67
GUB-Georgetown Air	63	PPC/IRC	8855		100w	js33
I -NDB Alghero	31	PPC,B/AK,RP	337	AH	60w	fd40
I -NDB Cagliari	28	neg. B "military"	372	CAG		fd40
I -NDB Faro Capo Ferro	51	PPC/AK,RP	303.4	CF	100w	fd40
I -NDB Grottaglie	17	PPC/AK,RP	331	GRT	100w	fd40
ISR-NDB Mt. Carmel Lt	44	B,PPC,I,drawing/IRC	287.3	HA	250w	js33

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IW -Alrek	13	PPC/	2182	DJPM	400w	mo67
IW -Berlin Express	42	PPC/-	16587.1	DEDD	800w	js33
IW -Bon Espoir	37	PPC/	2182	GIFF	400w	mo67
IW -Cam Observer	21	PPC/	2182	GWEU	200w	mo67
IW -Dan Foxtrott	12	B, PPC, I/ f/up	355	DON	100w	mo67
IW -DB 102	83	PPC/RP	2182	3EAA4	1600w	js33
IW -HMS Brinton	24	B, PPC, I, Fo, st./	5680	MQDZ	100w	mo67
IW -Leopardi	191	B, PPC, I/	2182	ICAT	500w	mo67
IW -Lord of the Isles	56	PPC, Fo/	2182	MKHA7	400w	mo67
IW -Maersk Rover	190	PPC/	2182	GCNX	250w	mo67
IW -Maersk Worker	50	PPC/	2182	GVHQ	500w	mo67
IW -Norrona	122	PPC, I/	2182	XPZG	750w	mo67
IW -Oil Trader	28	PPC/	2182	MJSD4	400w	mo67
IW -Running Bear	61	PPC/	2182	V2EC	400w	mo67
IW -Saint Paul	42	PPC/	2182	GXSU	200w	mo67
IW -Sea Mussel	30	PPC, sticker/	2182	ZCAA5		mo67
IW -Sedneth 701	31	B, PPC/	2182	H?7635	250w	mo67
IW -Suffolk Venturer	177	PPC, B/SASE	2182	GNJC	140w	js33
IW -TS St. Michaelis	121	PPC/AK, RP back	16587.1	DNHM	1600w	fd40
IW -Vento di Grecale	36	PPC, Fo/	2182		250w	mo67
IW -West Bonanza	32	B, PPC, I/	2182	ELLS2	500w	mo67
IW -West Venture	22	B, PPC/	2182	GJNR	500w	mo67
IW -Yacht Sebago	41	B, Fo/-	16593.3	KA10XK	125w	js33
J -Tokyo Air	92	K/-	8903		5kw	js33
MLI-Bamako Air	67	B/IRC	8861	TZH		js33
PNZ-MARS Panama	58	PPC, st/RP	20991	ACM5USN		js33
POR-Lisboa R	58	K/AK, IRC, sticker	2182	CUL		fd40
S -NDB Orebro	81	PPC/AK, IRC	375	RB	70w	fd40
S -NDB Stockholm/Bromma	263	B/Fo, IRC back f/up	394	NB	100w	fd40
S -NDB Visby	251	K/Fo, IRC f/up	351	OV	100w	fd40
TCH-NDB Holesov	83	B, PPC/-	448	HLV	60w	js33
TCH-NDB Nebusice	83	B, PPC/-	407	N	60w	js33
TCH-NDB Tovacov	83	B, PPC/-	213.5	CK		js33
TUR-USAF Incirlik AFB	207	K/	11176.0	AJO		mo67
URS-NDB Riga/Skulte	300	PPC/	975	RD	1kw	mo67
URS-NDB Ventspils	300	PPC/	652	RR	1kw	mo67
URS-Novo Shipcom	156	PPC, B/-	4245	UFL	5kw	js33
USA-Barnstable F, MA	39	PPC, B, patch/-	33700	KCF481	100w	js33
USA-Bethel F, CT	64	PPC, B/-	33700	KCC957	100w	js33
USA-Bourne F	44	PPC, B, patch, map/-	33700	KNAW393	100w	js33
USA-Brewster F, MA	45	PPC, B, patch/-	33700	KCD845	110w	js33
USA-Centerville-Oster. F, CT	68	B/-	33700	KCD760		js33
USA-Falmouth F, MA	42	PPC, B/-	33700	KCD244	100w	js33
USA-Greenville F, PA	35	PPC/-	33820	KGD425	100w	js33
USA-Hermitage F, PA	118	PPC, B, patch, info/-	33820	KGD427		js33
USA-Hyannis F, MA	48	PPC, patch/-	33700	KCD454		js33
USA-Lost Acres F, Granby, CT	143	PPC, B/-	33700	KXV489	100w	js33
USA-Mashpee F, MA	37	PPC, B, patch, map/-	33700	KCF574	100w	js33
USA-Sandwich F, MA	44	PPC, patch/-	33700	KCD498	100w	js33
USA-Truro F, MA	70	PPC, B, patch/-	33700	KCF264	110w	js33
USA-Truro Township F, OH	80	PPC, B, I, decal/-	33860	KCN341	100w	js33
USA-USA Ft. Lewis	58	AFD K/-	20991	AAH		js33
USA-USAF Andrews AFB	60	2 AFD K, B, st/-	14408	AIR		js33
USA-USMC MARS Cherry Point NC	89	PPC, K/	20935.8	NNN0MCP	400w	mo67
USA-USN MARS Myrtle Beach SC	22	K, PPC/	14441.5	NNN0RWO		mo67
USA-USN MARS Quantico VA	35	PPC, stickers/	14470	NNN0MQU	500w	mo67
USA-Wellfleet F, MA	47	PPC/-	33700	KCD500		js33

VERIESIGNERS/ADDRESSES

NDB Barcelona "QA": Ministerio de Obras Publicas y Transportes, Direccion General de Aviacion Civil, Jefatura Regional Zona Este, Radioayudas Exteriores, Centro de Control de Transito Aereo de Barcelona (fd40)

NDB Hyeres "HYE": Aeronautique Navale Francaise, Le Chef Technique, Aide a la Navigation Aerienne, Aerodrome de Hyeres/Le Palyvestre, F-83800 Hyeres-Marine, France (fd40)

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NDB Le Havre/Octeville "LHO": District Aeronautique de Haute-Normandie, Aerodrome du Havre-Octeville, B. P. 2000, F-76070 Le Havre Cedex, France (fd40)

NDB Nevers "NV": Aerodrome de Nevers, F-58000 Nevers (fd40)

NDB Mt. Carmel Lt "HA": Ministry of Transport, Shipping and Ports Administration, POB 33993, Haifa 31033, Israel (js33)

USAF Incirlik AFB: 39CS/DOJA, PSC 94, APO AE 09824 (mo67) - what the heck does AE stand for?

Novo Shipcom UFL: Novorossiysk Shipping Co, 1, Ul. Svobody, Novorossiysk, 253900, USSR (js33)

v/s NDB Le Havre/Octeville "LHO": Bernard Crusset, Delegeue regional Aviation Civile (fd40)

v/s NDB Nevers "NV": Leon Delisse (fd40)

v/s USAF Croughton AJE: Dequater L. Lewis, TSgt, USAF (mo67)

v/s Sondrestrom Stromfjord Air: Jan Eliassen, FIC-Operator (mo67)

v/s USA MARS Berlin AEM1QF: PFC Douglas Guy (mo67)

v/s Madrid R EDZ6: F. Ruiz Vinuesa, Director Departamento de Servicios Moviles (mo67)

v/s NDB Murcia/San Javier "LCZ": Jesus Moreno Gomez, EA5ESS (mo67)

v/s USMC MARS Cherry Point NNNOMCP: Tracy Smith, Sgt USMC (mo67)

v/s Darwin Air: John McPhail, Flight Service Officer (mo67)

v/s Accra Air: Fred M. Gbagbo, Manager of Air Traffic Control (mo67)

v/s USAF Incirlik AFB: Hugh M. Chappell, MSGT, USAF (mo67)

v/s USN MARS Myrtle Beach NNNORWO: Scott Larence, AA4LY (mo67)

INFOS

de OM rmcAN: KVV582 logged on 16587.1 in the column is listed to the University of Rhode Island. Transmitter located in Narragansett, R.I. WVFQ is the research ship ENDEAVOR operated by the university.

de OM amG: AFA2XD is USAF MARS, Satellite Beach, USA.

The Argentine Antarctic station LTS2, San Martin Base, has recently been reported on 20135.2 in 50 baud RTTY at 1420 UTC with messages to LTS9, Buenos Aires.

XUR88 Phom Penh is reported again on 20754.4 in Sitor B working Peshwar. The following stations are also reported on the same frequency in Sitor A: HRCR88 Tegucigalpa, Havana, Baghdad & Riyadh. ICRC Beirut is reported on 20942 at 1055 UTC in HC-ARQ, 240 baud.

de OM pcG: The new Swiss Radio International RTTY News Service as copied: 1830 - 1930 17530 to AF, 2000 - 2100 10515 to Asia, 0030 - 0130 10515 to S. Am., 0200 - 0300 10515 to N. Am. (in French, German, Italian).

The stations on 4601.5 in SIT A seem to be Irish Navy.

OM pcG adds that the many many stations idling for hours/days below 6 MHz on ARQ modes are very frustrating - he's trying to compile a list for the newsletter [will be appreciated, ed].

de OM fd40: New frequency for DAAD is 16528 kHz.

de OM fs79: Some new QRGs of coastal stations that became effective 1 July 1991:

LPL uses the following frequency pairs (Rx/Tx) in J3E: 4140/4432, 6206/6507, 8210/8734, 12242/13089, 16360/17242, 18807/19782, 22009/22705, 25085/26160.

The new QRGs of Cyprus R in J3E: 8213/8737, 12251/13098, 16366/17248, 22033/22729.

Some new A1A-QRGs: PPJ-22686.5, PCH70-22682, SVG-22679, PPR-22670.5, SAG-22663.2, OST-22655, IAR-22630.5, OFJ-22610.5, A9M-22592.3, DAF-22591.5, UJY-17236.5, JDB-17215, SPH-17214, IAR-17206, PCH60-17199, SVB-17198.5, HZG-17198.3.

New frequencies of Norddeich R: DAJ 4104/4396, 6200/6501, 8243/8767, 12299/13146, 16405/17287, 22018/22714; DCL 4175.5/4213.5, 6269/6320,

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8383.5/8423.5, 12484/12586.5, 16170.5/16828.5, 22299/22391; DCF
4178.5/4216, 6274/6325, 8387/8427.5, 12491.5/12594, 16713/16836,
22312.5/22404.5.

Tulcea R: OM fs79 has observed a new Rumanian maritime station on HF working ships ins SSB simplex. Tulcea R has been heard working Rumanian fishery vessels daily at 0830 on 16528 kHz. Tulcea is a city of over 100000 inhabitants located at the point where the Danube parts into three arms forming the Danube delta (so not on the Black Sea coast). It's Rumanias greatest fish industry town.

QUESTIONS

de OM fs79: Does anyone have an address for the ships (D) meeting on 16528 at 1600? [ed: I'm sure OM js33 and fd40 will be able to help]
What could be the UNID station heard often around 1200 UTC on 20712 in Arabic and English? There were many mentions of CMM Israel, CMM Lebanon, CMM Maharia, CMM Folios (last two tentative). Also mentioned often payments in US-\$... Help!!! [ed: "B8" FIJIBATT Lebanon has been observed using 20712 wkg "31" Suva/Fiji in English and Fijian - doesn't go too well together with the Arabic you observed...]

CONTRIBUTORS

Many thanks to the following people that made it happen again: amG, fd40, fs79, js33 (your Bretagne NDB-logs will be included next time, didn't get them from rk50), nr75, and pcG.

Fee received from rm/CAN - tnx!

New member: M. T. de Jong as mj/NL - welcome & have fun!

Hi folks. I'm back from Zanzibar Island since the 23rd. After getting familiar with the new environment (32ø in Zanzibar compared to 7øC in Germany) I'm ready to take up the heavy newsletter load for the next years. For you it may really be a pity, because my "substitutes" did their job so well that I'll have to make every effort. Thanks to Michael for his nice achievement and to Friedhelm for his assistance.

NON DIRECTIONAL BEACONS

324	0115	AS	Kemi	FNL id	rk50
325	0031	UT	Unst	G id	rk50
326	2140	BV	Nikolaevka	URS id	js33
335	0059	SV	Skive	DNK id	rk50
339	0101	SD	Sindal	DNK id	rk50
345a	0043	QA	Unid	??? id	rk50
358	0005	A	Unid	??? id	js33
361a	2155	RO	Unid Rovaniemi?	FNL? Ajaccio on 365? ed	js33
392a	2356	UK	Unid	??? id	js33
397	0250	AA	Teheran/Aliabad	IRN id+tone	zeTC
404	2341	BMR	Baia Mare	ROU id	zeTC
425	0150	DNC	Dejanovici/Mostar	YUG id+tone	zeTC
440a	2209	MSW	Unid	??? id	js33
450	0155	PDV	Plovdiv	BUL id+tone	zeTC
494a	2145	NM	Unid	URS id 2147 off	js33
510	0406	HO	Colmar/Houssen	F id+tone	zeTC
514	0408	THN	Thorn	HOL id	zeTC
796	0139	MN	Malaya Dobron	URS id	zeTC
1010	0216	MB	Glinyany	URS id	zeTC
1055	0118	IN	Sukhotiono	URS id	zeTC
1060	0114	ED	Nemirov	URS id	zeTC
1080	0108	AR	Buzharovo	URS id	zeTC
1130	0210	OH	Kalinovka	URS id	zeTC

M A R I T I M E

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500	0000	EAS	Cabo de Peñas R.	E	cw-tfc list 441	js33
500	0001	EAF	Finisterre R.	E	cw-tfc list 472	js33
500	0018	SUH	Alexandria R.	EGY	cw-de	js33
500	0023	7TA	Algier R.	ALG	cw-tfc list 416	js33
500	0029	CUL	Lisbon R.	POR	cw-wkg ULLB	js33
500	0029	LGP	Bodí R.	NOR	cw-wkg SUBY	js33
500	0157	IPA	Ancona R.	I	cw-tfc list 489	js33
500	0200	UDN	Novorossiysk R.	URS	cw-tfc list 450	js33
500	0359	SPH	Gdynia R.	POL	cw-tfc list 447	js33
500	0435	SAA	Karlskrona R.	S	cw-msgs for UBGA	js33
500	0637	PGJY	Ferryboat Norstar	IWA	QTP Zeebrugge to OST	js33
500	0731	UKWY	MS Viktorio Kodovilia	IWA	cw-wkg	js33
500	0746	STWN	MS white Nile	IWA	cw-wkg DAM	js33
500	2238	LGD	Írlandet R.(Rírvík)	NOR	cw-nx 441	js33
500	2356	TAH	Istanbul R.	TUR	cw-tfc list 441	js33
500	2357	SVH	Iraklion R.	GRC	cw-wkg SWSK	js33
2182	0030	SUH	Alexandria R.	EGY	E tfc list 2817	js33
2182	0204	IPB	Bari R.	I	E Pan man overboard	wk98
2182	1742	3FRR	Rig John Shaw	IWA	E clg Sedco 710	js33
2182	1742	H3BT	Rig Glomar Biscay I	IWA	E clg Malta	js33
2182	1758		Ferry Ankara	IWA	TUR clg Istanbul R.	js33
2182	1804	LFDZ	Rig Byford Dolphin	IWA	E wkg Stony	js33
2182	1811		Lifeboat 1217	IWA	E r/c Aberdeen CG	js33
2182	1816	LNEY	MS Fjordshell	IWA	E wkg SDJ	js33
2182	1824	GBBU	Platform Fulmar A	IWA	E wkg Stony	js33
2182	1947	GBMK	Platform Maureen A	IWA	anns radio silence	js33
2182	1948	2BYK	Tynemouth Lifeboat	IWA	E wkg GCC	js33
2182	1948	HO2121	Rig Santa F, Monarch	IWA	E wkg Humber	js33
4220	2148	UAH	Tallinn R.	EST	cw-de	ah75
6473.5	1603	YQI3	Constanta R.	ROU	cw-cq	ah75
8446	0704	ZAD2	Durres R.	ALB	cw-vvv cq	ah75
8449	2324	8PO	Barbados R.	BRB	cw-de	zeTC
8461	0540	CBA	Antofagasta R.	CHL	cw-cq	ah75
8474	1730	JYO	Aqaba R.	JOR	cw-cq	zeTC
8511	1527	XSW2	Taichung R.	TWN	cw-cq	zeTC
8628.5	0533	NOJ	USCG Kodiak	ALS	cw-cq	ah75
8696	2151	ZSC	Cape Town R.	AFS	cw-cq	ah75
8803	0120	WLO	Mobile R.	USA	E wkg ships	wk98
12663	2150	CBV	Valparaiso R.	CHL	cw-cq	ah75
12695.5	1448	CNP	Casablanca R.	MRC	cw-cq	zeTC
12750	1447	VHI	AUS Ny Darwin	AUS	cw-vvv	zeTC
12984	1527	VNG	TS Llandilo	AUS	cw-ts no id	zeTC
13024.5	1601	ASK	Karachi R.	PAK	cw-vvv cq	ah75
13042	2117	PJC	Curaçao R.	ATN	cw-cq	ah75
13061	0657	TUA5	Abidjan R.	CTI	cw-vvv	ah75
16881	2143	NMC	USCG San Francisco	USA	cw-cq	ah75
22696	1300	BVA	Taipei R.	TWN	E/CH tfc list	wk98
22731	1520	KMI	Dixon R.,CA	USA	cw-tfc list	amG

A E R O N A U T I C A L

5680	0629	DRDJ	Submarine U-16	IWA	G wkg Glcksburg	js33
5680	0645		G Ny Rescue 89-65	D	G wkg Glcksburg	js33
5680	0704	MLP	RAF Strike Command	G	test as "Architect"	js33
5680	0706		G Ny Rescue 49-21	D	G wkg Glcksburg	js33
5680	0710		RAF Rescue 166	G	E wkg Plymouth	js33
5680	0735		RAF Wessex 72	G	E wkg Edinburgh	js33
5680	0810		NOR AF Seaking 50-61	NOR	E wkg Stockholm	js33
5680	0814		Plymouth Rescue	G	E wkg unid CG "GVO"	js33
5680	0815	PBK	Ijmuiden RCC	HOL	E wkg Edinburgh	js33
5680	0819	DREO	G Ny Minesweeper weilheim	G	wkg Glcksburg	js33
5680	0823	GFF	Edinburgh Rescue	G	cw-test	js33
5680	0834		SAF Berga (?)	S	wkg 65	js33
5680	0839	SRD-122	RAF Wessex Heli	G	E wkg Edinburgh	js33
5680	0841		G Ny 49-23	D	G wkg Glcksburg	js33

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5680	0851	R-172	R Ny Seaking Portland	G E wkg	Plymouth	js33
5680	0859		RAF Rescue 125	G E wkg	Edinburgh	js33
5680	0902	SRD-169	RAF Wessex Heli	G E wkg	Plymouth	js33
5680	0904		Karup Rescue	DNK wkg	Stockholm	js33
5680	0904		R Ny 822	G E wkg	Plymouth	js33
5680	0906		RAF Wessex Swallow 78	G E wkg	Edinburgh	js33
5680	0907		R Ny 821	G E wkg	Plymouth	js33
5680	0910	DRNM	Taucherschulboot Juist	D G wkg	Glücksburg	js33
5680	0917	"IJ"	HMCG Sikorsky Heli	G E wkg	Plymouth	js33
5680	0931	R-177	R Ny Seaking Prestwick	G E wkg	Edinburgh	js33
5680	0936	R-137	R Ny Seaking Lossiemouth	E wkg	Edinburgh	js33
5680	0946	MKH	RAF Finningley	G E r/c	Edinburgh	js33
5680	0957	G-BIMU	HMCG Sikorsky Heli	G E wkg	Edinburgh	js33
5680	0958	N-708	R Ny Seaking Prestwick	E wkg	Edinburgh	js33
5680	1013	"GLC"	HMCG Sikorsky Heli	G E wkg	Edinburgh	js33
5680	1043	S-166	RAF Seaking	G E wkg	Plymouth	js33
5680	1058	SRD135	RAF Wessex Leuchars	G E wkg	Edinburgh	js33
5680	1101	R-117	HMCG Sikorsky Rescue	G E wkg	Edinburgh	js33
8861	0017		Port Blair Air	ADM E wkg	Madras	ah75
8861	2120		Conakry Air	GUI E wkg	Dakar	ah75
8891	0139		Cambridge Bay Air	CAN E wkg	Scandinavian	wk98
8903	2004		Luanda Air	AGL E wkg	Namibia 661	zeTC
8903	2012		Accra Air	GHA E wkg	Speedbird	zeTC
8918	0533		Cenamer R.	HND E wkg	ABW279A	ah75
8930	1423		DRF Stuttgart	D G wkg	Ambulance 99	wk98
8963	2243		Lagos Air	NIG E wkg	Nigeria 807	wk98
10018	2023		Bombay Air	IND E wkg	Singapore 428	wk98
10024	0612		Guayaquil Air	EQA S wkg	Lima	ah75
10024	0613		Lima Air	PRU S wkg	Guayaquil	ah75
10066	1613		Dhaka Air	BGD E wkg	Calcutta	ah75
11300	1803		Aden Air	YEM E wkg	Pakistan 745	ah75
11300	2033		Seychelles Air	SEY E wkg	Nairobi	wk98
11300	2122		Addis Air	ETH E wkg	Nairobi	zeTC
11396	1610		Bali Air	INS E wkg	491	ah75
15035	2334		RCAF Trenton	CAN E wx		zeTC

F I X E D B A N D S

3875	0902	AFF70	MARS USAF Net	D E 7S2 net	clg	wk98
5000	0440	YVTO	TS Caracas	VEN S id+ts		zeTC
5058	2210	FDG	FAF Bordeaux	F CW-vvv		zeTC
7806	0835	FDC	FAF Metz	F CW-vvv		wk98
8005	2014	5TQ7	SNIM Zouerate	MTN A/F wkg	Nouadhibou	zeTC
8117	1615	BMB	Taipei Meteo	TWN CW-E wx		amG
8175	2038	5TQ2	SNIM Nouadhibou	MTN A/F wkg	Zouerate	zeTC
9050	1615	FIT569	Prefecture Lyon	F CW-vvv		amG
9290	2331		R.Beijing	CHN CH SSB feeder		zeTC
10380	1916	RBW43	PTT Murmansk	URS R relay	Barentsburg	zeTC
12127	2006	GWC	BFBS Feeder	G E US Top		zeTC
12935	1700	UHK	Batumi R.	URS CW-cq		ah75
13974	0000	NNN0ERA	MARS Unid	USA E wkg	N0CSW	zeTC
13974	0001	NNN0CSW	MARS USS Saipan	IWA E wkg	N0ERA	zeTC
13974	0003	NNN0CWK	MARS USS Brooke	IWA E wkg	N0ERA	zeTC
13974	0008	NNN0CYZ	MARS Unid	IWA E wkg	N0ERA	zeTC
13974	2341	NNN0XPQ	MARS Fort Lauderdale	USA E wkg	N0CYC	zeTC
13974	2343	NNN0CYC	MARS USS Shenandoah	IWA E wkg	N0XPQ	zeTC
13977.5	1552	RAN	PTT Moscow	URS E vm-f		zeTC
14395	0004	NNN0COZ	MARS USS Forrestal	IWA E wkg	N0VNO	zeTC
14395	0008	NNN0VNO	MARS Unid	USA E wkg	ships	zeTC
14395	0017	NNN0CUF	MARS USS McCandless	IWA E wkg	N0VNO	zeTC
14441.5	1910	NNN0CYT	MARS USS Yorktown	IWA E clg	stateside	wk98
14441.5	1935	NNN0CEK	MARS Unid	IWA E clg	stateside	wk98
14441.5	2207	NNN0XPQ	MARS Ft.Lauderdale	USA E wkg	N0CZW	ah75
14670	2337	CHU	NRC Ottawa	CAN E/F id+ts		zeTC
19070	1606	RRG25	PTT Moscow	URS E vm-f		zeTC
19577.5	0811	ORI49	PTT Brussels	BEL E/FL/F vm-f		zeTC

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R A D I O T E L E T Y P E

5117	2304	TYE	ASECNA Cotonou	BEN testing	50	amG
5322	1913	RFFCC ?	Unid	F? de RFFCCMA	ARQ-E96	pcG
5381.5	1830	RETWLG	GC Guipuzcoa	E msgs	TOR-A 100	pcG
5381.5	1900	RETWLA	GC Alava	E msgs	TOR-A 100	pcG
5381.5	1930	RETWBZ	GC Zaragoza	E msgs	TOR-A 100	pcG
5671	1615	IUUH	MoI Rome	I to Police	Milan 50	amG
5887.5	1514	IMB2	Rome Meteo	I wx	50	ah75
5911.5	0740	RETWNP	GC Pontevedra	E to Madrid	SIT-A	amG
6985	2104	BSB32	Lanzhou	CHN cq	50	pcG
7589	2305	VVD57	Delhi Meteo	IND wx	50	amG
8123	1947	TNL	Brazzaville Air	COG ry	ARQ342 96	pcG
8142.5	1612	FDY	FAF Orl,ans	F testing	50	amG
8165	2202	5YD	Nairobi Air	KEN wx	50	ah75
8175	1835		Unid	??? E/R(?)	TORG11 100	pcG
Text: "NOAA CORRECTIVE ACTION".. "SCAN MOTOR BEARINGS"..						
9130	2007	MKD	RAF Akrotiri	CYP foxes	50	ah75
10493.7	2114	RFTJF	RAF Port Bouet	CTI wkg	ARQ342 48	pcG
11007	1602	9VF67	PIAB Singapore	SNG ry & G nx	FEC-A 96	amG
11007	1613	9VF67	PIAB Singapore	SNG G nx	FEC-A 96	ah75
11139	0644	"DZFG"	Belgrade	YUG SC nx	75	pcG
11178.7	1820	5HD	Dar Air	TNZ testing	50	pcG
11241.6	2312		EGY Emb Washington	USA to Cairo	SIT-A	amG
11246.8	1716		EGY Emb	??? A msgs	TOR-A 100	pcG
11291.7	1635		EGY Emb Belgrade	YUG to Cairo	SIT-A	amG
11440	1925	EIP	Shannon Air	IRL wx	50	ah75
12075	1942	VVD62	Delhi Meteo	IND met msgs	50	pcG
12245	0646	HZN	Jeddah Meteo	ARS met grps	50	pcG
12323	1956	CSY	Santa Maria Air	AZR wx	50	ah75
13347.7	1625		MFA Cairo	EGY to Rabat	SIT-A	amG
13380	1400	CUA67	PTT Lisbon	POR idling	ARQ342 96	pcG
13437	1503	RPFN	POR Ny Lisbon	POR testing	75	amG
13523.5	2250	CCS	CHL Ny Santiago	CHL to WKUA	100	amG
13563	1542	3MA22	CNA Taipei	TWN qrgs	50	pcG
13610	1329	3VF40	MAP Tunis	TUN A nx	50	pcG
13853	1620	TAD	MFA Ankara	TUR to Tel Av	FEC-A 144	amG
13906	2233	VER	Ottawa (?)	CAN encrypted	ARQ342 96	pcG
13970	2230		CUB Emb Lima	PRU to Habana	5fgps 50	amG
14578	1545	RFFXL	FF Lebanon	LBN encry toF	ARQ-E 72	amG
14635	2315	RFLI	FF Fort-de-France	MRT tp Paris	ARQ-E3 100	amG
14754	1858	RFFXI	FF Bangui	CAF wkg RFFXC	ARQ-E 72	pcG
14766	2250	ZLK32	US Ny Christchurch	NZL wx to McMurdo	75	amG
14820.7	2252	NNNONIK	MARS US Ny Pensacola	USA to USS Forrestal	1	amG
14840.7	2108	NNNOCOZ	MARS Unid	IWA wkg	TOR-A 100	pcG
14840.7	2120	NNN0FLH	MARS Miami (?)	USA wkg	TOR-A 100	pcG
14840.7	2200	NNNONIK	MARS Mayport	USA msgs	TOR-A 100	pcG
14851.6	1615	RPFWR	POR AF Monsanto	POR to Lajes	SIT-A	amG
14936	1536	ONN32	TUR Emb Brussels	BEL to Moscow	FEC-A 144	amG
14946.2	1530	TAD86	TUR Emb warsaw	POL to Ankara	FEC-A 96	amG
14966	1603	TAD26	TUR Emb Belgrade	YUG to Ankara	FEC-A 144	amG
14968	0735		TUR Emb Vienna	AUT to Ankara	FEC-A 96	amG
15858.5	0635	DMK?	D Emb Cairo (?)	EGY G wkg	ARQ-E 96	pcG
15973	1600	TAD	MFA Ankara	TUR to emb's	FEC-A 144	amG
16071.7	1850	Khargia	MFA Cairo	EGY wkg ROU	TOR-A 100	pcG
16087.7	1940	RFVI	F Ny Le Port	REU wkg Paris	ARQ342 100	pcG
16106	0610	FZM62	Diplo Noum,a	NCL F nx	50	ah75
16151.8	1545		EGY Emb Alger	ALG to Cairo	SIT-A	amG
16268	1616	TAD	MFA Ankara	TUR to emb's	FEC-A 144	amG
16352	1325	BCC22	PTT Shanghai	CHN clg Rangoon	50	pcG
16372.3	1230	8WB4	IND Emb Teheran	IRN E nx	50	pcG
17468	0634	HGO24	MTI Budapest	HNG E nx	50	pcG
18127	1615		EGY Emb Madrid	E to Cairo	SIT-A	amG
18553.9	1600	RFLI	FF Fort-de-France	MRT to Dakar	ARQ-E3 100	amG
18654	1605	TAD26	TUR Emb Belgrade	YUG to Ankara	FEC-A 144	amG
18742	1603	O6P	F Emb Riyadh	ARS to Paris	ARQ6-90 200	amG
18950.2	1615	CLPI	MFA Habana	CUB to Lima	50	amG

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19174	1120		MLA Emb New Delhi	IND to MFA Lumpur	50	amG
19988.7	1612	CLP1	MFA Habana	CUB to emb's	50	amG
20105	1534	ZRH	AFS Ny Cape Town	AFS clg LOL	75	amG
20385	1205	RFFX	FF Versailles	F 5lgs ARQ-E	72	pcG
20532	1542	HDN	EQA Ny Quito	EQA to ZPK,PWX33 a.o.	75	amG
20584	1520		Salcost Rome	I to Freetown SIT-A		amG
Dear Alex, what is salcost? ed...						
20609.5	1525	HBD71	SUI Emb Amman	JOR to Berne SIT-A		amG
20633.8	1055	RFVI	FF Saint Denis	REU to Paris ARQ-E3	100	amG
20801.5	1115		ICRC Riyadh	ARS to Geneva SIT-A		amG
20820.2	1550	CLP1	MFA Habana	CUB to Lima	50	amG
20975	1555	RFGW	MFA Paris	F testing FEC-A	192	amG
21862	0636	"DZFG"	Belgrade	YUG ry	75	pcG
21865	0900		USSR ANT (?)	??? wkg TORG11	100	pcG
Met messages; "Mirny" Base and "Antarktida" mentioned...						
21874	1525		MFA Bangkok	THA Vientiane DUP-ARQ		amG
21912	1538		TUR Emb Riyadh	ARS to Ankara FEC-A	144	amG
22967.2	1548	HBD62	SUI Emb Teheran	IRN to Berne SIT-A		amG
22970.2	1530		F Emb Kinshasa	ZAI to Paris FEC-A	192	amG
23007	1530		EGY Emb Moscow	URS to Cairo SIT-A		amG
23057	1045		TUR Emb New Delhi	IND to Ankara FEC-A	144	amG
23173	1508		I Emb Buenos Aires	ARG to Rome ARQ-E	96	amG
23191.7	1000		ANT? Indian Ocean?	??? met msgs ARQ342	96	pcG
23572	1522	PCW12	HOL Emb Kinshasa	ZAI to Hague SIT-A		amG
23912	1055	TAD42	TUR Emb Khartoum	SDN to Ankara FEC-A	144	amG
24043	1558	CLP45	CUB Emb Luanda	AGL to Habana	75	amG
24270.6	1100		I Emb Damascus	SYR to Rome SIT-A		amG
24458.8	0930	FJY2	FTS Port-aux-Franç.	KER wkg RFGW ARQ342	96	pcG

No comments this time. The following column will have some changes what concerns the abbreviations. I've changed the german abbreviations into english ones (e.g. "AK" Ansichtskarte into "VC" viewcard). I hope you'll find it o.k.

Q S L - U M S C H A U

AIR-Aircraft Maersk Air	26	PPC, L, Fo, Ham-K/	8930	DMA881	300W	ai41
AIR-Ambulance Flight 99	6	PPC/RP	8930	D-CAVE	16W	wk98
AIR-Junkers-JU 52	12	PPC/RP	118.9	D-CDLH		wk98
ALB-ATA Tirana	105	L, PPC/IRC, VC	9430	ZAT	15kw	ah75
AUT-NDB Linz	10	PPC/VC, SASE	327	"LNZ"	80W	ai41
B -DHN Abrolhas	33	PPC/1\$, VC	7964	PWF77	100W	ah75
B -DHN Santa Maria	33	PPC/1\$, VC	7964	PWY88	100W	ah75
B -DHN Sao Tom,	33	PPC/1\$, VC	7964	PWW66	100W	ah75
B -Porto Velho Air	37	PPC/VC, SASE dir	8855		1kw	ai41
BEL-NDB Antwerpen	13	PPC/VC, IRC	355	"ONW"	50W	ai41
BGD-Dhaka Air	32	L/1\$, VC	??			ah75
CAN-Cambridge Bay Air	24	PPC, L/IRC	8891		5kw	wk98
CHL-Antofagasta R.	27	L, PPC/1\$, VC	8461	CBA	250W	ah75
D -DPA Hamburg	163	L/RP back, VC	11123.5			ah75
D -DRF Stuttgart	6	PPC/RP	8930		1kw	wk98
D -DRF Stuttgart	12	PPC/VC, SASE	8930		1kw	ai41
D -Glcksburg Rescue	5	PPC/RP	5680	DHM42	20kw	wk98
D -NDB Berlin/Tegeel	38	PPC/VC, SASE	392	"RW"	200W	ai41
D -NDB Borkum Lt.	26	PPC, I, Ham-C/VC, SASE	298.8	"BE"	20W	ai41
D -NDB Erfurt	15	PPC/VC, SASE	410	"RF"	100W	ai41
D -NDB Helgoland	12	PPC/VC, SASE	397.2	"DHE"	100W	ai41
D -NDB Hof	11	PPC/VC, SASE	484	"HOF"	100W	ai41
D -NDB Leipzig	19	PPC/VC, SASE	446	"SK"	50W	ai41
D -NDB Mendig	9	PPC/VC, SASE	331	"NMN"	28W	ai41
DNK-NDB Billund	14	PPC, VC, L, S/VC, SASE	341	"LO"	20W	ai41
DNK-NDB Fauna	36	PPC, I/VC, SASE	334	"FAU"	300W	ai41
DNK-NDB Hammerodde Lt.	15	PPC, Fo/VC, SASE	298.8	"MN"		ai41
DNK-NDB Rísn's Lt.	26	PPC/VC, SASE	287.3	"RS"		ai41
DNK-NDB Skagen Lt.	15	PPC/VC, SASE	305.7	"SW"	100W	ai41
DNK-NDB Thisted East	8	L/VC, SASE	331	"TE"	200W	ai41
DNK-NDB Thisted west	8	L/VC, SASE	394	"TW"	50W	ai41

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E	-NDB Cabo de la Nao Lt.	31	PPC,VC,L/IRC,VC	dir 294.2	"NO"	200w	ai41
E	-NDB Cabo de Palos Lt.	71	PPC,VC/IRC,VC	294.2	"PA"	300w	ai41
E	-NDB Calles	27	PPC/VC,SASE	302	"CLS"	300w	ai41
E	-Tarifa R.	27	PPC,L/IRC	2182	EAC	1kw	ai41
F	-NDB Calais Main Lt.	9	PPC/VC,IRC	305.7	"CS"	20nm	ai41
F	-NDB Cap d'Alprech Lt.	17	PPC,I/VC,SASE	310.3	"PH"		ai41
F	-NDB Les Baleines Lt.	10	PPC/VC,SASE	303.4	"BN"		ai41
F	-NDB Merville/Calonne	15	L/VC,SASE	298	"MVC"	25w	ai41
F	-NDB Point d'Ailly Lt.	27	PPC,VC/VC,SASE	310.3	"AL"	25w	ai41
F	-NDB Troyes	27	PPC/VC,IRC	320.5	"TY"		ai41
FNL	-NDB Kors"	7	PPC/VC,SASE	322	"KOR"	500w	ai41
FNL	-NDB Turku/Lieto	12	C/VC,SASE	dir 361	"LIE"	450w	ai41
G	-NDB Casquets Lt.	35	PPC,I/VC,SASE	298.8	"QS"		ai41
G	-NDB Flamborough Lt.	13	PPC,VC,I/VC,SASE	303.4	"FB"	50w	ai41
G	-NDB Jersey	17	L/VC,SASE	367	"JEY"	60w	ai41
G	-NDB Norwich	17	PPC,I/VC,SASE	371.5	"NH"	30w	ai41
G	-NDB Oldham	10	PPC,busin.C/VC,SASE	344	"OLD"	24w	ai41
G	-NDB Outer Gabbard Lv.	37	PPC/SASE	via Lond 287.3	"GA"		ai41
G	-NDB Point Lynas Lt.	30	PPC/SASE	via Lond.287.3	"PS"		ai41
G	-NDB Rhinns of Islay Lt.	40	L,PPC,VC,Fo,I...	294.2	"RN"	100w	ai41
G	-NDB Schmitz Knoll Lv.	37	PPC/SASE	via Lond 287.3	"SK"		ai41
G	-NDB Scotstownhead	20	PPC/VC,SASE	383	"SHD"	50w	ai41
G	-NDB Start Point Lt.	20	PPC,VC,I/VC,SASE	298.8	"SP"	30w	ai41
G	-NDB Sule Skerry Lt.	20	L,Fo/VC,SASE	298.8	"LK"		ai41
G	-NDB Westcott	18	PPC/VC,SASE	335	"WCO"	16w	ai41
GUF	-Cayenne Air	28	PPC/VC,IRC	back 8855		400w	ai41
HND	-Cenamer R.	91	L,PPC/1\$,VC	8918		1kw	ah75
HNG	-NDB Sagvar	16	PPC/VC	348	"SVR"	100w	ai41
HOL	-NDB Amsterdam	8	PPC,I/VC,IRC	back 376	"WP"		ai41
HOL	-NDB Amsterdam	8	PPC,I/VC,IRC	back 395	"OA"		ai41
HOL	-NDB Eindhoven	19	PPC/VC	339	"PH"		ai41
HOL	-NDB Haastrecht	30	PPC,L/VC,IRC	404.5	"RR"	25w	ai41
HOL	-NDB Heenvliet	30	PPC,L/VC,IRC	369	"PS"	25w	ai41
HOL	-NDB Maastricht	19	PPC/VC	316	"ZL"		ai41
HOL	-NDB Veenhuizen	13	PPC/VC,SASE	357	"VZ"		ai41
HOL	-NDB woensdrecht	11	PPC/VC,SASE	dir 345	"WDT"		ai41
HWI	-Honolulu Air	42	non det L,VC/VC	11396			zeTC
HWI	-Honolulu Volmet	106	L,VC/VC,1\$	13282		5kw	ai41
HWI	-USCG Honolulu	46	C,I/VC,SASE	12889.5	NMO	1kw	ai41
HWI	-USCG Honolulu	195	C,L,I/VC	12889.5	NMO	10kw	zeTC
I	-NDB Elba	15	PPC/VC,SASE	dir 360	"ELB"		ai41
I	-NDB Falconara	28	PPC/VC,SASE	357.5	"FAL"	100w	ai41
I	-NDB Rocca Imperiale	18	PPC,I/VC,SASE	387.5	"RMP"	100w	ai41
INS	-Amboina R.	43	L,PPC/1\$,VC	17184.8	PKE	1kw	ah75
IRL	-NDB wicklow Head Lt.	31	PPC/VC,IRC	301.1	"WK"	100w	ai41
IWA	-G Ny Minesweeper Wetzlar	14	PPC/RP	5680	DREM	100w	wk98
IWA	-G Ny Submarine U-16	11	PPC/RP	5680	DRDJ		wk98
IWA	-HMS Invincible	35	PPC/IRC	12401.3	GUCL	500w	wk98
IWA	-Lifeboat Montrose	90	PPC,Fo's/VC,SASE	2182	MYEA	100w	ai41
IWA	-MARS USS Dale	37	PPC,L,I/VC,SASE	13826	NNN0CSL	500w	ai41
IWA	-MS America Express	58	PPC/VC,SASE	16587.1	DIMC	1.4kw	ai41
IWA	-MS Arkona	50	PPC,F/RP,VC	8243	Y5CC	1.4kw	wk98
IWA	-MS Berlin Express	91	PPC/VC,SASE	16587.1	DEDD	800w	ai41
IWA	-MS Bon Espoir	62	PPC/VC,SASE	2182	GIFF		ai41
IWA	-MS British Claymore	25	PPC/VC	2182	GDZA	500w	wk98
IWA	-MS Frankfurt Express	35	PPC,L,F/RP	16587.1	DHFF	1.2kw	wk98
IWA	-MS Hongkong Express	35	PPC,L/RP	16587.1	DEBX	1.5kw	wk98
IWA	-MS Hyundai Riviera	13	PPC/RP	16528	DLJC	250w	wk98
IWA	-MS Royal Princess	18	PPC,Fo/VC,SASE	8294.2	GBRP	800w	ai41
IWA	-MS Sankt Michaelis	120	PPC/VC,IRC	back 16587.1	DNHM	1.6kw	ai41
IWA	-Rig Ocean Biscaye II	25	PPC,L/VC,SASE	2182	3EYE2	750w	ai41
IWA	-Rig Ocean Kokuei	18	PPC/VC,SASE	2840.6	3FRR	250w	ai41
IWA	-RS Charles Darwin	270	PPC,B,I/IRC	16463.1	GDLS	1kw	wk98
IWA	-RS Meteor	120	PPC/RP	8244.6	DBBH		wk98
LUX	-NDB Luxemburg	3	PPC/VC,IRC	346	"WLU"	50w	ai41
MEX	-Manzanillo R.	118	C,L/VC	12829.5	XFM	1kw	zeTC
NOR	-Bí LORAN	12	PPC/IRC,VC	7512.5	JXL	1kw	ah75
NOR	-NDB Eidsvoll	25	PPC,I/VC,SASE	347	"EDL"	100w	ai41

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NOR-NDB Halten Lt.	26	PPC/VC, SASE	294.2	"HA"	100w	ai41
NOR-NDB Tautra	19	PPC/VC, SASE	393	"TAT"	50w	ai41
NZL-Auckland Air	43	L, PPC/IRC, VC	8867	ZKAK	5kw	ah75
ROU-NDB Galati	16	PPC/VC	413.5	"GLT"	400w	ai41
ROU-NDB Sibiu	16	PPC/VC	381	"SIB"	400w	ai41
ROU-NDB Tirgu Mures	16	PPC/VC	428	"TGM"	400w	ai41
S -NDB Eskilstuna	31	PPC/VC, SASE	362	"NN"		ai41
S -NDB Gustav Dal,n Lt.	17	PPC, I/VC, SASE	294.2	"GD"	300w	ai41
S -NDB Kullen	433	PPC, L/VC	334	"KUL"	100w	zeTC
S -NDB Kungsgrundet Lt.	12	PPC, I/VC, SASE	294.2	"KT"	300w	ai41
S -NDB Lidk"ping	9	PPC/VC, SASE	359	"LK"	100w	ai41
S -NDB Lidk"ping	433	PPC, L/VC	359	"LK"	100w	zeTC
S -NDB Norrk"ping	31	PPC, L/VC, SASE	324	"ON"	100w	ai41
S -NDB "stergarn Main Lt.	16	PPC, I/VC, SASE	305.7	"MN"	300w	ai41
S -NDB Peola	33	PPC/VC, SASE	398	"PEO"		ai41
S -NDB Trollh,,ttan	8	PPC, I/VC, SASE	325	"PG"	100w	ai41
S -NDB Visby	13	PPC/VC, SASE	351	"OV"	100w	ai41
SNG-Kyodo Singapore	23	PPC/IRC, VC	20960	9VG	3kw	ah75
SUI-NDB Schlaffhausen	7	PPC, C, S/VC, IRC	371.5	"SHA"	30w	ai41
TUN-NDB Djebel Jeloud	27	PPC, Greet. C/VC, IRC	295	"DJ"	50w	ai41
URS-Kaliningrad R.	248	PPC/VC	8466	UJY	5kw	zeTC
URS-Moscow R.	83	L, PPC/IRC, VC	12910	UAT	5kw	ah75
URS-Novorossiysk R.	291	L, PPC/VC	17226	UFN	5kw	zeTC
URS-Odessa R.	72	PPC, VC, Ham-K/AK	13075	UFB	5kw	ai41
URS-Odessa R.	139	PPC, VC/IRC, VC	17063	UFB	5kw	ah75
USA-MARS Cherry Point	71	PPC/1\$, VC	20936	NNN0MCP	400w	ah75
USA-MARS Fort Detrick, MD	64	PPC, C, S/VC, SASE	14403.5	WAR		ai41
USA-MARS Fort Monmouth	30	L, C/1\$ back, VC	14510	AAR2USI	1kw	ah75
USA-MARS Quantico	15	PPC/1\$, VC	20678.5	NNN0MQU	500w	ah75
USA-Ocean Gate R.	19	C, Sked/VC, SASE	17325.9	WOO	10kw	ai41
USA-USCG Alexandria, VA	60	AFD-C/-	20936	NMH		wk98

PPC = Prepared Postcard
L = Letter
C = Card
VC = Viewcard
RP = Return Postage (Mint stamps)
F = Folder
FO = Foto
I = Info
S = Sticker

ABBREVIATIONS:

DRF = Deutsche Rettungsflugwacht
RS = Research Ship
GC = Guardia Civil
PIAB = Presse- und Informationsdienst der Bundesregierung

ADDRESSES / VERIE - SIGNERS

USCG Honolulu NMO: J.A.Kayser, Commanding Officer, USCG Communication Station
Honolulu, Wahiawa, HI 96786-3050, USA
Novorossiysk Radio UFN: Igor L. Kryachko, Deputy Manager, Novorossiysk
Shipping Company, 1 ul. Svobody, SU-353900 Novorossiysk, USSR
Kaliningrad Radio UJY: Victor M. Loginov, P.O.Box 73, SU-236000 Kaliningrad,
USSR

Manzanillo Radio XFM: V/s Ing.Luis Guzman Suarez, Jefe de Telecomunicaciones
Manzanillo (zeTC, ai41)
Antofagasta Radio CBA: Samuel Bazaes Perez, Supervisor, Armada de Chile,
Antofagasta Radio, Av Grecia 1946, P.O.Box 481, Antofagasta, Chile (ah75)

INFOS

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zeTC: Does any one have addresses of NNN0XPQ, NNN0VNO, NNN0CYZ and NNN0ERA?
 More to follow next month. Sincere thanks go to amG, js33, zeTC, pcG, ai41,
 wk98 and ah75 (who was ah69 long long time ago).

Hi folks. Very low input this time, the lowest since years. Only two guys out
 of 43 found some time to drop me a line. It would be nice if this is only an
 exception.

NON DIRECTIONAL BEACONS

312.6	0226	FR	F'rder Lt.	NOR	id+dash	zeTC
324	2247	LDV	Landivisiau	F	id+dash	pcG
325	2251	OF	Bristol/Filton	G	id	pcG
326	2253	LM	Le Mans	F	id+dash	pcG
351	0313	OV	Visby/Salthamn	S	id	zeTC
354	2216	FIN	Mariehamn/Finno	FNL	id	zeTC
357.5	0246	FAL	Falconara	I	id	zeTC
361	0110	LIE	Turku/Lieto	FNL	id	zeTC
366	0113	KM	Kalmar	S	id	zeTC
371a	0424	SJ	Unid	???	id	zeTC
372	0231	ODR	Kristiansand/Odderiy	NOR	id	zeTC
374	2230	RB	™rebro	S	id	zeTC
378	0136	OK	Pleshchenitsy	URS	id	zeTC
380	0143	LF	Rinneby	S	id	zeTC
381	0142	RY	Rygge/Enge	NOR	id	zeTC
388	2303	COR	Corner	S	id	zeTC
389	0300	RK	Turku	FNL	id	zeTC
394	2233	NB	Stockholm/Bromma	S	id	zeTC
396	0118	HYV	Hyvink,,,	FNL	id	zeTC
397.2	1358	DHE	Helgoland/Dne	D	id+dash	zeTC
398	0129	PEO	Nyk"ping/Peola	S	id	zeTC
405	0208	GRW	Grafenw"hr	D	id	zeTC
406.5	2217	BOT	Bottrop	D	id	zeTC
407	2228	BG	Berga	S	id	zeTC
409	0300	SG	S"ten,,s	S	id	zeTC
410	2153	RF	Erfurt	D	id	zeTC
413.5	2200	DLS	Berlin/Lbars	D	id	zeTC
420	0354	INN	Innsbruck	AUT	id	zeTC
430	0412	BUG	Bugac	HNG	id	zeTC
432	0410	CA	Bobrka	URS	id	zeTC
446	0336	HNU	Hanau	D	id	zeTC
448.5	0334	ONT	Kleine Brogel	BEL	id+dash	zeTC
574	1033	GT	Otrokovice	TCH	id	zeTC
669	1323	L	Karlovy Vary/Vrata	TCH	id	zeTC

MARITIME

500	2102	9HD	Malta R.	MLT	cw-cq	zeTC
1694	0716	FFB	Boulogne-sur-Mer R.	F	F wx	zeTC
1722	0718	FFO	Saint Nazaire R.	F	F tfc list	zeTC

FIXED BANDS

7973.5	1223	SPW	Warszawa R.	POL	cw-cq, sitor	zeTC
10000	0630	WVW	NSB Fort Collins	USA	E id, ts	zeTC
10000	0630	WVWH	NSB Kekaha	HWI	E id, ts	zeTC
11092	0520		BSKSA Riyadh	ARS	AR feeder	zeTC
14470	0311	NNN0CMA	MARS USS John Hall	IWA	E wkg N0NZF	zeTC
14470	0318	NNN0NZF	MARS USCGC Buttonwood	IWA	E wkg N0CMA	zeTC
14483.5	2037	NNN0CMB	MARS USS Truett	IWA	E wkg N0PTZ	zeTC
14483.5	2106	NNN0CWK	MARS USS Brooke	IWA	E wkg N0PTH	zeTC
15670	0440	GWC	BFBS London	G	E feeder	zeTC

R A D I O T E L E T Y P E

2626	1940		Unid	???	5lgp msgs	50	pcG
"R MOA 111910 DE JHM..." ending "NR435 WILHEM? LENA?" lots of messages							
"TRAFIKLIST FROM HIA" pcG							
3700	2319		Unid	???	idling	ARQ-E	72 pcG
4007	2023		Unid	???	idling	ARQ-E	72 pcG
4438.5	2215	RFFQ	FF Nice	F	notams	ARQ-E	72 pcG
4515	1821		Unid	???	idling	ARQ-342	100pcG
4538	1805		Unid	???	idling	ARQ-342	100pcG
4548.4	2140		Unid same as 2626	???			50 pcG
4569	2022		Unid	???	idling	ARQ-E	72 pcG
4601.5	Evening		Various	IRL		TOR-A	100pcG
Irish Navy? Coast Guard? Various c/s: OA (poss. net control), others							
"75, 18, 27, 12, 68, EAZ, 87" all heard, selcals also, some ports in Ireland mentioned, XSFC, XVQV, CVVA, CVVE, CVVR. pcG							
4649.5	2021		Unid	???	idling	ARQ-E	96 pcG
4945	1845		Unid	???	idling	ARQ-342	100pcG
4965.5	1850		Unid	???	idling	ARQ-342	100pcG
5189	2140		Unid	???	idling	ARQ-E	96 pcG
6972	1932	YOG59	Rompress Bucharest	ROU	E nx		50 pcG
6997.7	2259	MKK	R Army London	G	foxes		50 pcG
9395	2230	HMF84	KCNA Pyongyang	KRE	F nx		50 pcG
10215	0211	HZN48	Jeddah Meteo	ARS	wx		100 pcG
10398	0745	HGX21	MFA Budapest	HNG	clg HGX12		50 pcG
10412	2205	RFFXL	FF Beirut	LBN	idling	ARQ-E	72 pcG
10483	0750	"VSG"	Bucharest (tent)	ROU	encrypt	ROU-FEC164	pcG
10547.5	0830		Unid Emb Rome	I	msgs	TOR-A	100 pcG
11007	1633	9VF67	PIAB Singapore	SNG	G nx	FEC	100 pcG
11171	1705	RCF	URS Ny	URS	cq		75 pcG
11461.5	1638		Unid ALG diplo	I?	5lgps		100 pcG
14573	0736		JANA Tripoli	LBY	AR nx		50 pcG
14807	0638	GXQ	R Army London	G	foxes		50 pcG
16055.3	0935	"VSG"	Bucharest (tent)	ROU	encryp	ROU-FEC164	pcG
16106	0950	FZM62	PTT Noum,a (tent)	NCL	F nx		50 pcG
16151.7	1000		EGY Emb Alger	ALG	tfc	TOR-A	100 pcG
16318.7	0824		Unid diplo	EGY?	ATU-80	TOR-A	100 pcG
19821.5	1505	4UK	UN Khartoum	SDN	wkg Genev	TOR-A	100 pcG
20734	1440	4UZ	UN Geneva	SUI	wkg Bagh	TOR-A	100 pcG
20734	1445		UN Baghdad	IRQ	wkg Genev	TOR-A	100 pcG
23501.7	1240		EGY Emb	???	ATU-80	TOR-A	100 pcG
26441.5	1419	DFL64H2	PIAB Bonn	G	G nx	FEC	100 pcG

Instead of the Q S L - U M S C H A U and the A D D R E S S E S column which had to be deleted due to "nothing received this month" here is a feature by pcG on the emissions of the Bundeskriminalamt (Federal Criminal Investigation Department) of Germany, which may give you an overview over the latest research:

pcG: "Main points of these stations are: all 85Hz shift. VFT up to 5 channels. ARQ-E mode, mainly 96 Baud, but few 72 Baud. The 4 & 5 MHz are used in day, early evening, with 2 & 3 MHz nights. Traffic is usually encrypted - but a standard (presumably a channel id) message is sent at intervals (often long!). Typical example:

```
"ZCZC 008 SHVHF 101600
SSS SHSH QVL C:00/A: 007(1600)
NNNN"
```

Sometimes I monitor 'Guten Abend', msgs, qtc...so over to G monitors. They obviously idle for long periods." (Peter means the stations, not the monitors, hi - ed). "Tuning is very critical, as is Rx selectivity. I use scope X type for tuning. As to station locations - I have a few possible. So more help is needed!! They use one new(?) Q-code as QVL, QTA, QSU, QSW etc. Frequencies are measured on my Rx (TS940S). I have calibrated against stations like DDK & GFL etc, but there are obviously margins for error:

5024.84	ARQ-E/96		1530	idle
24.47	ARQ-E/96	"HHVHF"	1100	

			UTNL1991	
23.75	ARQ-E/96		1530	idle
23.46	ARQ-E/72	"GKVHF"	1721	
22.75	ARQ-E/96	"SHVHF"	1517	poss. Bonn
4979.65	ARQ-E/96	"BWBHF"	1800	idle
78.97	ARQ-E/96		1800	idle
77.96	ARQ-E/72	"GSVHF"	1810	idle
77.64	ARQ-E/96		1810	idle
77.27	ARQ-E/96	"BYVHF"	1900	idle
4972.65	ARQ-E/72	"GOVHF"	2100	"QSU/QSW nachts erhalten"
71.63	ARQ-E/96		1945	idle
71.25	ARQ-E/96		1945	idle
70.96	ARQ-E/96		1945	idle
70.26	ARQ-E/96	"BRVHF"	2000	idle "Guten Abend"
4620.67	ARQ-E/96	"SLVHF"		Bonn often mentioned
20.00	ARQ-E/96	"RPVHF"	1800	idle
19.64	ARQ-E/96	"HFVSL"	1819	tfc
18.95	ARQ-E/96	"HEVHF"	1900	encrypted tfc
18.28	ARQ-E/96		1840	encrypted tfc
4587.95	ARQ-E/72	"GMVHF"	2136	tfc
87.26	ARQ-E/96	"GWVHF"	2130	idle
4556.57	ARQ-E/96	"KLVPH"		Dsseldorf mentioned
56.03	ARQ-E/96		2140	idle
55.56	ARQ-E/96		2140	idle
55.26	ARQ-E/96		2140	idle
4442.96	ARQ-E/96	"HBVHF"	1941	
42.26	ARQ-E/96	"NIVHF"	1725	QVL msgs
3303.82	ARQ-E/96		2230	idle
3272.80	ARQ-E/96		2217	idle
71.53	ARQ-E/96		2217	idle
2770.14	ARQ-E/96	"NWBHF"	2100	encrypted
69.45	ARQ-E/72	"GNVHF"	2000	QVL msg
68.45	ARQ-E/96		1857	idle
67.01	ARQ-E/96		2200	idle
66.75	ARQ-E/96		2200	idle
2675.65	ARQ-E/96		2300	idle
74.94	ARQ-E/96		2300	idle
74.64	ARQ-E/72		2300	idle
73.95	ARQ-E/96		2300	idle
2442.65	ARQ-E/72	"GOVHF"	2000	QVL msg
41.96	ARQ-E/96		2045	idle
41.67	ARQ-E/96		1930	idle
2440.26	ARQ-E/96	"BRVHF"	2210	encrypted tfc
2387.33	ARQ-E/96		2250	idle
86.64	ARQ-E/96	"HFVHH"	2258	poss. Hamburg
86.24	ARQ-E/96		2240	idle
85.95	ARQ-E/96		2240	idle
84.26	ARQ-E/96		2240	idle
2295.12	ARQ-E/96		2200	idle
93.45	ARQ-E/72		1850	idle
93.75	ARQ-E/96		2200	idle
2235.45	ARQ-E/96		2230	idle
34.45	ARQ-E/72		2230	idle
33.75	ARQ-E/96		2230	idle

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"BRVHF" on both 4970.26 & 2440.26 possibly day and night? Sometimes not all channels of any particular group are on. (Tnx vy much Peter! ed)

Last but not least I would like to welcome two new members from the Netherlands, namely Michiel S. (msNL) and Ruud V. (rvNL). Have a nice time with the Newsletter group.

My thanks go to zeTC and to pcG. My apologies to both of you that you can (nearly) only read your own logs and infos in this NL.

Welcom folks to the last edition of the 6th NL year. This time I had enough stuff to fill the pages properly:

N O N D I R E C T I O N A L B E A C O N S

302.5	0132	GED			id	rk50
304	2200	AT	Annecy/Meythet	F	id+dash	nr75
306.5	2145	DIK	Diekirch	LUX	id	nr75
332	0425	SHO	Shoreham	G	id	rk50
337	2128	RMG	Romagnano/Sesia	I	id	nr75
341	2259	IS	Ajaccio	F	id+dash	rk50
357	2328	BE	Beccles	G	id	rk50
361a	0101	WT			id	rk50
367	0002	BZ			id+dash	js33
371	0335	LEV	Cuneo/Levaldigi	I	id	nr75
375	2035	UŠ			id	nr75
376	0123	GF	Oslo/Grefsen	NOR	id	rk50
376	2110	BS	Basle/Sud	F	id	nr75
376	2356	LN	Hultsfred	S	id	rk50
380	2259	ULA	Ula Oilfield	NOR	id new	rk50
381	2318	UD			id	rk50
383	0000	PR	Peter	D	id	nr75
383	0408	MAR	Marseille/Mirabeau	F	id+dash	nr75
386	0225	RAK	Rakovnik	TCH	id	nr75
400a	2225	ZR			id+dash	nr75
403a	2112	MEG			SUI?id	nr75
406	0105	DB	Mogilev/Podolsky	UKR	id	nr75
id's came 2 times every 15 sec on the 26th Oct, every 8 sec on the 30th Nov!						
409	2056	BRK	Brck	AUT	id	pcG
409	2308	SG	Saten,,s	S	id	nr75
411.5	0225	AS	Angers/Avrille	F	id+dash	nr75
411a	0230	PP			id	nr75
413.5	0110	GLT	Galati	ROU	id	nr75
420	2350	VA			YUG?id+dash	nr75
423a	2310	FE			id	nr75
424	0205	OKF	Desna	TCH	id	nr75
424	0355	SCA	Salamanca	E	id	nr75
429	2254	POZ	Poznan	POL	id	nr75
431	2101	PK			id	nr75
433	0210	GQ	Gros Tenquin	F	id+dash	nr75
438	0214	OKL	Praha	TCH	id+dash!	nr75
445	2050	ALM	Aix-les-Milles	F	id+dash	nr75
446	0330	SK	Leipzig	D	id	nr75
448	2250	AUB	Aubenas	F	id+dash	nr75
448.5	0228	ONT	Kleine Brogel	BEL	id+dash	nr75
464	0225	LO			id	nr75
487a	2142	IA			id+dash	nr75
785	2315	AV	Vilnius	LIT	id	hb31
1130	1545	OH	Kalinovka	UKR	id	js33

Cf 10/91 js33 in F: 376 BJA is Beja/POR and 345a QA may be Barcelona on 338 kHz (tnx fd40).

M A R I T I M E

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500	1602	5PMO	MS world Duality	IWA	cw-wkg	FFB	js33
500	1640	UNVH	MS Lyoudinovo	IWA	cw-wkg	IDC	js33
2182	0150	IQP	San Benedetto R.	I	I qsy	1855	nr75
2182	0346	NMN38	USCG Hatteras	USA	testing		js33
2182	0806	3VT	Tunis R.	TUN	F securit,		mo67
2182	0845		Platform Geda (?)	NOR	wkg	Viking Troll	js33
2182	0903	IZN	Porto Torres R.	I	I/E	clg ships	mo67
2182	0904		Alger R.	ALG	F/E	clg ships	mo67
2182	1514	GIAB	Galway Bay Lb.	IRL	E wkg	Valentia	js33
2182	1536		Rhyl Lb.	G	E wkg	Holyhead	js33
2182	1539	GHNT	Platform Conoco B	IWA	E wkg	Charles Rowan	js33
2182	1606	MVOX	Platform Shell B	IWA	E	annual test with Hum	js33
2182	1638	GUYG	MS Matco Thames	IWA	E wkg	Wick	js33
2182	1643		MS Toisa Widgeon	IWA	E wkg	Toisa Petrel	js33
2182	1648	GIFZ	Platform Brae B	IWA	E wkg	Maersk Mariner	js33
2182	1755	LGN	Bergen R.	NOR	E/NOR	clg ships	mo67
2182	1756		Mariehamn R.	FNL	E	id	mo67
2182	1800	LGS	Svalbard R.	SVB	clg	Kovenoka	js33
2182	1815	2JJA	Lifeboat 37-30	G	E wkg	P'Patrick	js33
2182	1831		Wicklow Lb.	G	E wkg	P'Patrick	js33
2182	1833	SBXQ	MS Icebreaker Oden	IWA	clg	Polarstern	js33
2182	1837	GUCP	HMS Cygnet	G	E wkg	P'Patrick	js33
2182	1912		Rosslare Lb.	G	E wkg	Milford Haven	js33
2182	1918		Lochinver Lb.	G	E wkg	Stornoway	js33
2182	1927	ELFJ5	Rig Petrolia	IWA	E	clg Ocean Liberator	js33
2182	2003		MS Sun wrestler (?)	IWA	E wkg	Stony	js33
2182	2052		Rig Neddrill 6	IWA	E	clg Wick	hb31
2182	2054		MS Cambridge Service	IWA	E wkg	Moray Firth I	hb31
2182	2103	9HD	Malta R.	MLT	E	clg ships	mo67
2182	2234	OXJ	Tørshavn R.	FAR	E	anns	ah75
2182	2235	IQM	Trapani R.	I	wkg	ship	nr75
2182	2334	LGT	Tjime R.	NOR	E/NOR	anns	ah75
2698	1604	IPN	Venezia R.	I	I/E	wx	hb31
2700	2011	5BA	Cyprus R.	CYP	E/GR	vm	mo67
3678	1843	SXH32	GRC Ny Khania	GRC	cw-vvv		ah75
6340.5	1945	9VG9	Singapore R.	SNG	cw		h171
6390	1930	AQP4	PAK Ny Karachi	PAK	cw		h171
6393.5	1930	VHI	AUS Ny Darwin	AUS	cw		h171
6418	2000	VTP5	IND Ny Visakhapatnam	IND	cw		h171
6439	1800	UNM2	Klaipeda R.	LIT	cw-cq		mo67
6467	2000	VTG5	IND Ny Bombay	IND	cw		h171
6470.5	0025	6YI	Kingston R.	JMC	cw		h171
6477.5	0230	KPH	San Francisco R.	USA	cw		h171
6484.5	0200	WSC	Tuckerton R.	USA	cw		h171
6502	0650	TBB6	TUR Ny Izmir	TUR	cw-vvv		rb61
8204.3	0701		Donaufink Wien	AUT	G	id	mo67
8240	1802	GAAP	HMS Cumberland	IWA	E wkg	GKA	js33
8441	2102	C6N	Nassau R.	BAH	cw		h171
8441	2130	9YL	North Post R.	TRD	cw		h171
8445	2231	XSX	Keelung R.	TWN	cw-cq		mo67
8449	2055	8RB	Demerara R.	GUY	cw		h171
8450	1230	5AB	Benghazi R.	LBY	cw		h171
8457	0110	LSA	ELMA Boca R.	ARG	cw		h171
8459	1600	YQI3	Constanta R.	ROU	cw-cq		mo67
8461	0005	CBA	Antofagasta R.	CHL	cw-cq		nr75
8461	0130	CBA	Antofagasta R.	CHL	cw		h171
8466	1634	UJY	Kaliningrad R.	RUS	cw-cq		ah75
8469	2137	D4A	Sao Vicente R.	CPV	cw-cq		mo67
8471	1010	UXN	Arkhangelsk R.	RUS	cw-de		mo67
8472	1500	SUP	Port Said R.	EGY	cw		h171
8473.5	1530	A7D	Doha R.	QAT	cw		h171
8474	1500	JYO	Aqaba R.	JOR	cw		h171
8474	1730	JYO	Aqaba R.	JOR	cw-ids		nr75
8475.5	1500	FUX	F Ny St. Denis	REU	cw		h171
8484.5	1822	HZG	Dammam R.	ARS	cw-de		mo67
8487	0015	VID	Darwin R.	AUS	cw		h171
8496	0030	CLA20	Habana R.	CUB	cw		h171
8504	0745	ZLW	Awarua R.	NZL	cw		h171

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8515	0828	5AT	Tripoli R.	LBY	CW-vvv cq	ah75
8522	0150	CBV	Valparaiso R.	CHL	CW	h171
8543	0640	VPS	Hongkong R.	HKG	CW	h171
8554	1520	3BA	Mauritius R.	MAU	CW	h171
8569	0045	XFM	Manzanillo R.	MEX	CW	h171
8571	1330	JNA	JMSA Tokyo R.	J	CW	h171
8577	2010	HLO	Seoul R.	KOR	CW	h171
8604	1650	DZJ	Manila R.	PHL	CW	h171
8628.5	2147	NOJ	USCG Kodiak	ALS	CW-cq	mo67
8638.6	1855	VNG	Lyndhurst	AUS	CW-ts	h171
8646	0100	VTP6	IND Ny Vizakhapatnam	IND	CW	h171
8686	1516	CNP	Casablanca R.	MRC	CW-cq	mo67
8690	0613	3DP3	Suva R.	FJI	CW-cq	ah75
8698	2150	7TF	Boufarik R.	ALG	CW	h171
8728	1903	3AC	Monaco R.	MCO	F/E/I clg ships	mo67
12663	0757	CBV	DGTMMM Valparaiso R.	CHL	CW-cq	mo67
12709	2317	XFQ	Salina Cruz R.	MEX	CW-cq	ah75
12775	2301	XFU	Veracruz R.	MEX	CW-cq	ah75
12800	1500	HSA	Bangkok R.	THA	CW-cq	nr75
12811.3	0545	HZY	Ras Tanura R.	ARS	CW-tfc list	h171
12906	1828	DZJ	Bulacan R.	PHL	CW-cq	mo67
12970	2015	URL	Sevastopol R.	UKR	CW-cq	mo67
13042.5	0901	P2M	Port Moresby R.	PNG	CW-cq	mo67
16363	1831	GQIJ	HMS Glasgow	IWA	E wkg GKA	js33
16812.5	0728	NRV	USCG Apra Harbour	GUM	CW-cq	mo67
16829.5	0733	UAH	Tallinn R.	EST	CW-de	mo67
16892	1252	UQK	Riga R.	LIT	CW-de	rb61
16912	1450	SUH	Alexandria R.	EGY	CW	h171
16916.5	1625	WSC	Tuckerton R.	USA	CW	h171
16951.5	1730	6WW	F Ny Dakar	SEN	CW	h171
16958	1100	FUJ	F Ny Noumea	NCL	CW	h171
17006	1945	ZRQ	AFS Ny Cape Town	AFS	CW-vvv	rb61
17026	1730	KFS	Palo Alto R.	USA	CW	h171
17074.4	1515	PKX	Jakarta R.	INS	CW-cq	mo67
17084	0650	VHI	AUS Ny Darwin	AUS	CW	h171
17091	1258	XSQ4	Guangzhou R.	CHN	CW	h171
17110	1000	UFL	Vladivostok R.	RUS	CW	h171
17115	1011	URD	St. Petersburg R.	RUS	CW-de	mo67
17170.4	1527	PJC	Willemstad R.	ATN	CW-cq	mo67
17172.4	1750	9MG11	Penang R.	MLA	CW	h171
17175.2	1440	A9M	Bahrain R.	BHR	CW	h171
17190.5	1800	UHK	Batumi R.	GEO	CW-cq	mo67
17220.5	0840	NMC	USCG San Francisco	USA	CW	h171
17230.1	2055	CWA	Cerrito R.	URG	CW	h171
17230.1	2055	KLC	Galveston R.	USA	CW	h171
17233.9	1209	UXN	Arkhangelsk R.	RUS	CW-cq	rb61
17237.9	1206	CLS	Flota de Pesca R.	CUB	CW-cq	rb61
17238.9	1030	XSV	Tianjin R.	CHN	CW	h171
22330.5	1722	D3E	Luanda R.	AGL	CW-cq	rb61
22378	1228	VTG	NAVCOMCEN Bombay	IND	CW-de	rb61
22385.5	1230	WNU	Slidell R.	USA	CW-de	rb61
22496	1818	PPJ	Junkie R.	B	CW-vvv	rb61
22537	1758	FUF	F Ny Fort de France	MRT	CW-vvv	mo67
22544	1759	FUM	F Ny Papeete	OCE	CW-vvv	mo67
22589	1236	VHI	AUS Ny Perth	AUS	CW-vvv	rb61

A E R O N A U T I C A L

3023	1743		Edinburgh Rescue	G	E clg Rescue 134	wk98
5637	1810		Athens Air	GRC	GR clg Iraklion Air	mo67
5637	1811		Iraklion Air	GRC	GR clg Athens Air	mo67
5658	2112		Karachi Air	PAK	E wkg Singapore a/c	mo67
5658	2115		Bombay Air	IND	E wkg Singapore 46	mo67
5658	2254		Karachi Air	PAK	E wkg LH 797	ah75
5680	0710	PC179	Unid		E wkg Glcksburg	wk98
5680	1547		Koksijde Rescue	BEL	wkg heli	nr75
5680	2023	SRG137	Unid	G	E wkg Edinburgh	wk98

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5680	2030		Stockholm Rescue	S	SW/E wkg	mo67
5680	2032		Karup Rescue	DNK	E clg vessel	mo67
5684	2123	CZW	RCAF Halifax	CAN	E wx	wk98
6556	2153		Colombo Air	CEY	E clg Madras	mo67
6676	2040		Bangkok Volmet	THA	E volmet	mo67
8819	0316		Maiquetia Air	VEN	wkg a/c	nr75
8855	0205		Cayenne Air	GUF	F wkg Air France	mo67
8855	0517		Paramaribo Air	SUR	E wkg Belem	mo67
8855	0722		Leticia Air	CLM	S wkg Manaus	ah75
8861	1926		Bamako Air	MLI	E wkg 972	ah75
8861	2012		Recife Air	B	P wkg unid	mo67
8861	2024		Abidjan Air	CTI	E wkg unid	mo67
8861	2029		Bamako Air	MLI	F clg Conakry	mo67
8861	2029		Conakry Air	GUI	F clg Bamako	mo67
8867	0637		Nadi Air	FJI	E wkg 123	ah75
8867	0643		Honolulu Air	HWI	E wkg 17	ah75
8873	1723		Libreville Air	GAB	F wkg Air Afrique	mo67
8873	2118		Douala Air	CME	F wkg Brazza	mo67
8903	0301		N'Djamena Air	TCD	E wkg	mo67
8903	1236		Naha Air	J	E wkg 713	hb31
8903	2207		Naha Air	J	E wkg Airevac 10958	mo67
8903	2208		Manila Air	PHL	E wkg Indonesian 952	mo67
8918	0311		Merida Air	MEX	S wkg Boyeros	ah75
8930	1208		LDOC MALEV Budapest	HNG	HUN clg HLAC	hb31
8942	1601		Bangkok Air	THA	E wkg Japan 722	ah75
8942	2107		Vientiane Air	LAO	E wkg 798	ah75
8942	2127		Ho-chi-Minh Air	VTN	E wkg 718	mo67
10018	0305		Dushanbe Air	TAD	E wkg Kabul	mo67
10018	0305		Kabul Air	AFG	E wkg Dushanbe	mo67
10018	1737		Lahore Air	PAK	E wkg Bombay	ah75
10024	2323		Asunci�n Air	PRG	S wkg Argentina 82	hb31
10066	1841		Rangoon Air	MYA	E wkg Calcutta	nr75
10066	2022		Dakha Air	BGD	E wkg Rangoon	mo67
11176	1842		USAF Ascension	ASC	E p/p with MAC	mo67
11300	0715		Tripoli Air	LBY	E wkg Unid	mo67
11300	1528		Asmara Air	ETH	E wkg Khartoum	mo67
11300	2027		Seychelles Air	SEY	E wkg Mogadiscio	mo67
11354	1542		LDOC FALCON Bahrain	BHR	E wkg Gulf Air 733	mo67
11363	1543		LDOC TAROM Bucharest	ROU	ROU wx	mo67
11363	1551		LDOC TAROM Bucharest	ROU	ROU wkg	wk98
11396	1454		Ujung Pandang Air	INS	E wkg 901	ah75
13282	0655		Honolulu Volmet	HWI	E wx	mo67
17940	0848		LDOC IBERIA Madrid	E	S wkg	wk98
23307	1232		LDOC SAUDIA Jeddah	ARS	A wkg	wk98

F I X E D B A N D S

2357.5	0956	OUA32	DNK Ny Stevns	DNK	cw-vvv	mo67
5063.7	1824	9MB	MLA Ny Georgetown	MLA	cw-vvv	mo67
7514.5	1540	FDG26	FAF Unid	F	cw-vvv	hb31
7540	1540	ROK28	PTT Moscow	RUS	E vm-f	wk98
7964	0005	PWF77	DHN Abrolhas	B	cw-clg PWW22	ah75
7964	0014	PWH33	DHN Trindade	TRI	cw-clg PWW22	ah75
7964	2357	PWY66	DHN Arvoredo	B	cw-vvv	ah75
8005	2056	5TQ7	SNIM Zouerate	MTN	F wkg 8175	mo67
8175	2056	5TQ2	SNIM Nouadhibou	MTN	F wkg 8005	mo67
14441.5	2017	NNN0NBL	MARS Connecticut	USA	E radio check	hb31
14670	1618	CHU	TS Ottawa	CAN	ts	h171
16339.7	0930	ZKLF	Auckland Meteo	NZL	cw-wx	h171
17415	1511	HEK66	Berna R.	SUI	E wkg U.N. flight	wk98
18995	1535	SPW	Warsaw R.	POL	POL wkg	wk98
19070	1445	RRG25	PTT Moscow	RUS	E vm-f LSB	wk98
20936	1550	NNN0HNB	MARS Unid	USA	E wkg N0CVB	hb31
20936	1631	NNN0BBF	MARS Unid	USA	E wkg N0CSW & N0NCG	hb31
20942.5	1350	HBC88	ICRC Geneva	SUI	F clg Khartoum	wk98
20962	1755	VXV9	CFARS Golan	SYR	E wkg CIW824	mo67
20970	1756	CIW667	CFARS Trenton	CAN	E wkg CIW92	mo67

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20970	1756	CIW92	CFARS Baden-Baden	D	E wkg	CIW667	mo67
20970	1806	VEV9	CFARS Valcartier	CAN	E wkg	VXV9	mo67
20970	1815	CIW202	CFARS Armstrong	CAN	E wkg	VXV9	mo67
20994	1553	AAT4NE	MARS Unid	USA	E wkg	AEM1VLK	hb31
20994	1608	AAV5TC	MARS Unid	USA	E wkg	AEM1VLK	hb31
23750	1255	OEY32	UNDOF Golan	SYR	G wkg	OEY42	wk98
33660	1345	KCF341	Tyngsboro Fire	USA	E clg	Car 3	js33
33700	1248	KFN716	Arundel Fire	USA	E clg	Kennebunk	js33
33700	1300	WNQQ469	Litchfield County	USA	Dispatcher	22	js33
33700	1301	KFD651	Cambria County Control	USA	id		js33
33700	1254	KCE618	Rockland Fire	USA	E wkg	Unit 2	js33
33700	1329	KCD582	Harvard Fire Dept.	USA	testing	home receivers	js33

R A D I O T E L E T Y P E

2768.1	2135		LKA Hannover (?)	D	msgs	ARQ-E	96	pcG
3263.5	2215	"TWLL"	Guardia Civil (?)	E	encryp	TOR-A	100	pcG
3803	1824	RFF?	FF Metz	F	msgs	ARQ-E	96	pcG
4441.5	2143		Unid		wx		50	pcG
4495	2005	RFFG	FF Strasbourg	F	clg	RFFBBWM ARQ-E	72	pcG
4601.5	1800	0A Control	IRL	CVVZ de 0A	TOR-A	100	pcG
5055	1454	JYF	Amman	JOR	A testing		50	pcG
5107	????	EPD	Teheran Air	IRN	testing		50	pcG
5112	1457	40C	Tanjug Beograd	YUG	SER nx		75	pcG
5220	2012	SUA94	MENA Cairo	EGY	A texts		75	pcG
5400	1528	YOG37	Bucharest Meteo	ROU	met msgs		50	pcG
6970.5	2225	NNNOMCL	MARS Camp Lejeune	J	foxes,marsgrams		75	pcG
7580	2031	VVD57	Delhi Meteo	IND	met's		50	pcG
7625	2119	HZN47	Jeddah Meteo	ARS	wx		100	pcG
7892.5	1822	SOH289	PAP Warsaw	POL	POL nx	TOR-B	100	pcG
8128	1735	RFFH	FF Marseille	F	msgs	ARQ-E	72	pcG
8175	1815		Unid Russian	RUS	wx ?	TORG-11	100	pcG
8494	1350	NUD	US Ny Adak	ALS	fax			h171
9125	2154	RFTJD	FF Douala	CME	contr.voie	ARQ-342	48	pcG
10917.7	2024	RFTJ	FF Dakar	SEN	idle	ARQ-342	48	pcG
11027.5	2200	9PL	Kinshasa Air	ZAI	msgs		50	pcG
11175.7	2029	5HD	Dar Air	TNZ	testing		50	pcG
13380	1530	CUA67	CPRM Lisbon	POR		ARQ M2	96	h171
13737	2051	5YD	Nairobi Air	KEN	aero tfc		50	pcG
13846.7	2044	RFQP	FF Djibouti (?)	DJI	contr.voie	ARQ-342	100	pcG
13905	1910	VER	Mod Ottawa	CAN	ChA wkg	ARQ M2	96	h171
13996.5	2037	STK	Khartoum Air	SDN	aero msgs		50	pcG
14680	0706		Unid	ROU	encryp	ROU-FEC	164	pcG
14754	2030	RFFXI	FF Beirut	LBN	5lgsps	ARQ-E	72	pcG
16106	0915	FZM62	MFA Diplo Noum,a	NCL	nx		50	h171
17069.6	0830	JJC	Tokyo/Kemigawa Meteo	J	fax			h171
17632.5	1127		Cairo Meteo	EGY	wx		50	ah75
18447.7	0800	FDZ2	FAF N'Djamena	TCD		ARQ M2	200	h171
20960	0958	JAL54	Kyodo Tokyo	J	E nx		50	pcG
23024.5	1000		MFA Islamabad	PAK	to embs	TOR-A	100	pcG

Q S L - U M S C H A U

ALB-Durres R.	66	L,PPC/IRC,VC	8446	ZAD	1kw	ah75
ALS-USCG Kodiak	48	L,C,I/1\$,VC	8628.5	NOJ		ah75
AUT-MS Laxenburg	19	PPC/RP	4072.3			hb31
BEL-Koksijde Rescue	14	PPC/	5680			nr75
BEL-NDB Kleine Brogel	42	PPC,B/	448.5	"ONT"		nr75
BRB-NDB Bridgetown*	30	PPC,L/VC,1\$	345	"BGI"	1kw	fd40
BUL-NDB Plovdiv	42	PPC,L,VC/	450	"PDV"	500w	nr75
CHL-Antofagasta R.	28	L,PPC,I/	8461	CBA		nr75
CYP-RAF Akrotiri	18	PPC/1\$,VC	9130	MKD	4kw	ah75
D -German Air Rescue S	59	PPC/RP	8930		1kw	ah75
D -NDB Bayreuth	24	PPC/RP	420	"BAZ"		hb31
D -NDB Berlin/Sch"nefeld	14	PPC/	309	"MW"		nr75

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D -NDB Friedland	14	PPC/	via Berlin	292	"FLD"		nr75
D -NDB Hof	24	PPC/RP		484	"HOF"		hb31
D -NDB Kiel Lt.	7	PPC/		294.2	"KI"		nr75
D -NDB Leipzig	14	PPC/	dir	446	"SK"		nr75
D -NDB Reinsdorf	14	PPC/	via Berlin	436	"RSF"		nr75
D -Norddeich R.	13	C,L/VC,RP		2182	DAN		fd40
DNK-Fltderadio rhus	8	L/VC,IRC		122	OUA		fd40
DNK-NDB Hammerodde Lt.	10	PPC/		298.8	"MN"		nr75
E -NDB Barcelona	28	PPC/		355	"AA"		nr75
E -NDB Bilbao	23	PPC/RP		370	"BLO"		hb31
E -NDB Burgos	21	PPC/	dir	357	"BGS"		nr75
E -NDB Cabo de Palos Lt.	30	PPC/RP		294.2	"PA"		hb31
E -NDB Cabo Salou Lt.	24	PPC/RP		298.8	"UD"		hb31
E -NDB Cabo Silleiro Lt.	19	PPC/RP		310.3	"RO"	200w	js33
E -NDB Sabadell	19	PPC/RP		367	"SBD"		hb31
E -NDB Santander	13	PPC/RP		338	"SNR"		hb31
E -NDB Valencia	30	PPC/RP		302	"CLS"		hb31
F -NDB Agen	11	PPC/RP		400.5	"AG"		hb31
F -NDB Agen	14	PPC/		400.5	"AG"		nr75
F -NDB Albi	43	PPC/RP		323	"AB"		hb31
F -NDB Angers/Avrille	28	PPC/		411.5	"AS"		nr75
F -NDB Annecy/Meythet	14	PPC/		304	"AT"		nr75
F -NDB Aubenas	14	PPC/		448	"AUB"		nr75
F -NDB Bordeaux	56	PPC,L,I/SASE		318	"BE"	25w	js33
F -NDB Bordeaux	56	PPC,L,I/SASE		361	"NB"	25w	js33
F -NDB Cahors	34	PPC/RP		348	"CL"		hb31
F -NDB Cap Ferret Lt.	17	C,L,PPC/RP		296.5	"FT"		hb31
F -NDB Marseille/Mirabeau	14	PPC/		383	"MAR"		nr75
F -NDB Pau	21	PPC/RP		364.5	"PU"		hb31
F -NDB Pau	21	PPC/RP		397.5	"PO"		hb31
F -NDB Rochefort	14	PPC/RP		396	"ROC"		hb31
F -NDB Tarbes/Lourdes	18	PPC/RP		321	"TL"		hb31
F -NDB Toulouse	19	PPC/RP		406.5	"TW"		hb31
FNL-NDB Pori	21	PPC/	dir	341	"POR"		nr75
G -Lifeboat Rhyll	20	PPC,Fo/SASE		2182	2GBG		js33
G -USAF Croughton	29	L,PPC/1\$	back,VC	11176	AJE		ah75
GRL-USAF Thule	31	F/RP		13201			hb31
GUF-Cayenne Air	76	PPC,L/VC,1\$		8855		400w	fd40
HOL-NDB Lake	18	PPC,L,I/VC,RP		347.5	"LAK"	50w	fd40
HOL-NDB Weesp	18	PPC,L,I/VC,RP		376	"WP"	50w	fd40
HWI-Honolulu Air	24	L,PPC/1\$,VC		8867	KUA3		ah75
I -Ancona R.	14	PPC/		2182			nr75
I -Cagliari R.	16m	PPC/Fo,RP		2182	IDC	1kw	fd40
I -NDB Trapani	42	L,VC/		317.5	"TRP"		nr75
I -Roma Meteo	67	L,PPC/IRC	back,VC	5887.5	IMB	1kw	ah75
IAI-Air France 1307	40	L,PPC,Fo/-		13351			hb31
INS-Jakarta Air	8m	L,PPC/		11396			nr75
IOB-NDB Bonaire*	30	PPC,L/VC,1\$		321	PJB	100w	fd40
IRL-NDB Mizen Head Lt.*	196	PPC/	via c/a dir	RR 308	"MZ"		nr75
IRL-NDB Old Head of Kinsale*	63	PPC/	dir	296.5	"OH"		nr75
IRL-Shannon Air	20	PPC,I/IRC,VC		11440	EIP	1kw	ah75
ISR-CFARS Golan	61	PPC/IRC		20970	VXN9	2kw	js33
IWA-MS Bremen Express	25	PPC/RP		16528	DDUT	1kw	wk98
IWA-MS Cap Finisterre	37	PPC,I/VC		16543	DACF	750w	wk98
IWA-MS Conscience	30	PPC,L/RP		16528	DHZZ	1.5kw	wk98
IWA-MS Grampian Rose	47	L,PPC/RP		2182	GDJY		hb31
IWA-MS Hannover Express	75	PPC/-		16528	DEHZ		hb31
IWA-MS Leverkusen Express	42	PPC/-		16528	DEHY	250w	wk98
IWA-MS Leverkusen Express	78	PPC/-		16528	DEHY		hb31
IWA-MS Loreley	32	PPC,I/VC,RP		2182	3EWN4	400w	fd40
IWA-MS Med Leader	75	PPC,L/RP,VC		16528	DGTK	400w	wk98
IWA-MS Monte Cervantes	33	PPC/RP		16543	DHCM	1.5kw	wk98
IWA-MS Seabord Implacable	59	PPC,L/VC,RP		2182	GASU		fd40
IWA-MS Seabord Scout	25	PPC,Fo's/VC,RP		2182	MMHA9	150w	fd40
IWA-MS St. Michaelis	55	PPC/SASE		16543	DNHM	1.5kw	wk98
IWA-MS Stena Seawell	9	PPC,Fo/SASE		2182	GGXE	400w	js33
IWA-MS Stirling Albion	12	PPC,Fo/RP		2182	GDKD		hb31
IWA-MS Windward	53	PPC,L,I/IRC	back	16528	S6AG	800w	wk98

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IWA-Rig Benvrackie	15	PPC, Fo/VC, RP	2182	GUWX	250w	fd40
IWA-Rig Henry Goodrich	10	PPC/VC, RP	2182	HP6038	450w	fd40
IWA-Rig Ocean Kokuei	34	PPC/RP	2182	3FRR		hb31
IWA-Rig Sedco 707	10	PPC/VC, RP	2182	5MOU	400w	fd40
IWA-Rig Sedco 710	23	PPC/IRC	2182	ELNN4	250w	wk98
IWA-Rig Zapata Scotian	31	PPC, giant Fo/VC, RP	2182	HO5215	400w	fd40
IWA-RS Wega	30	PPC, L/RP	1627.5	DBBC	100w	wk98
KEN-Nairobi Air	30	L/IRC, VC	8165	5YD	1.2kw	ah75
LAT-NDB Riga	98	PPC/	360	"WT"		nr75
LUX-NDB Diekirch	14	PPC/	307	"DIK"		nr75
MEX-Merida Air	43	PPC, Sti/IRC, VC	8918		500w	ah75
MRC-NDB Meknes/Bassatine	66	PPC/IRC dir	342	"RG"	200w	js33
MRC-NDB Tanger/Boukhalf	70	PPC, L/SAE	398	"TBR"	25w	js33
NOR-NDB Faerder Lt.	42	PPC/ dir	312.6	"FR"		nr75
NOR-NDB Lista	14	PPC/	383	"LST"		nr75
PHL-Bulacan R.	14	PPC/1\$, VC	8604	DZJ	3.5kw	ah75
POL-NDB Gora	35	PPC/ via Warsaw	444	"TMN"		nr75
POL-NDB Grudziadz	21	PPC/ via Warsaw	364	"GRU"		nr75
POL-NDB Kartuzy	35	PPC/ via Warsaw	353	"KRT"		nr75
POL-NDB Mragowo	35	PPC/ via Warsaw	409	"MRA"		nr75
POL-NDB Suwalki	21	PPC/ via Warsaw	394	"SUW"		nr75
POL-NDB Trzebnica	35	PPC/ via Warsaw	375	"TRZ"		nr75
POR-NDB Lagos	67	PPC, L, I, VC/- via Faro	364	"LGS"	1kw	js33
POR-NDB Sintra*	70	PPC, bus-C via Lisb	371	"STR"		nr75
PRU-Iquitos Air	6m	PPC/	10024			nr75
PRU-Lima Air	29	PPC/1\$, VC	10024		5kw	ah75
PRU-Lima Air	42	PPC/	10024			nr75
PTR-NDB Vega Baja*	25	C, L, Fo, map/VC, 1\$	391	"DDP"	3kw	fd40
S -NDB Eskilstuna	65	PPC/RP	402	"LX"		hb31
SNG-PIAB Singapore	29	L/IRC, VC	11007	9VF67	10kw	ah75
SUR-Paramaribo Air	66	PPC/VC, 1\$	8855		100w	fd40
TCH-NDB Desna	42	PPC/ via Prague	424	"OKF"		nr75
TCH-NDB Prague	42	PPC/ via Prague	438	"OKL"		nr75
TCH-NDB Rakovnik	42	PPC/ via Prague	386	"RAK"		nr75
TCH-NDB Roudnice	42	PPC/ via Prague	394	"RCE"		nr75
THA-Bangkok Air	26	PPC/1\$ back, VC	8942		5kw	ah75
TUN-NDB Cap Bon Lt.	28	PPC, L, Fo/ dir	313.5	"BN"		nr75
TUR-USAF Incirlik	7m	C/	11176	AJO		nr75
UKR-Izmail R.	5m	B, VC/	16909	UJO		nr75
UKR-Kaliningrad R.	5m	PPC/	12690	UJY		nr75
UKR-Novorossiysk R.	4m	L, PPC/	4245	UFN		nr75
URS-Novorossiysk R.	30	L, PPC, VC/IRC, VC	8571	UFN	5kw	ah75
URS-Novorossiysk R.	37	L, PPC/-	17141	UFN		hb31
USA-Harwich Fire, MA	26	PPC, L, patch, VC/-	33700	KCD271		js33
USA-MARS Fort Lauderdale	48	L, C, PPC/1\$, VC	14441.5	NNN0XPQ1	1.2kw	ah75
USA-MARS Prosperous Harbor	22	Ham-C/RP	20678.5	NNN0IBM		hb31
USA-Montgomery County PSC, PA	28	PPC, L, patch, I/-	33700	KUE698	300w	js33
USA-Rockland EMS, ME	17	PPC, L, patch, I/-	33700	KCE681	100	js33
USA-USCG Alexandria	20	AFD-C/-	20935	NMH		js33
USA-USCG Portsmouth	180	AFD-C, Certificate	7393.5	NMN		wk98
USA-USCG San Francisco	63	L, C/1\$ back, VC	16881	NMC	10kw	ah75
VCT-NDB Saint Vincent*	21	PPC/VC, 1\$	403	"SV"	80w	fd40

* was nr75 in IRL

* was fd40 in Venezuela

As I still don't know the ITU abbreviations for the newly independent countries on the territory of the ex-USSR I took the first three letters of the countries in question:

EST = Estland
 GEO = Georgia
 LAT = Latvia
 LIT = Lituania
 TAD = Tadzjikistan
 UKR = Ukraine

PPC = Prepared Postcard
 L = Letter
 C = Card
 VC = Viewcard
 RP = Return Postage (Mint stamps)
 F = Folder
 Fo = Foto
 I = Info
 S = Sticker

A D D R E S S E S / V E R I E - S I G N E R S

#Iquitos Air: Corporaci3n Peruana de Aeropuertos y Aviacion Comercial S.A., Cesar Alvarado Tello, Supervisor de Electrica, Aeropuerto Internacional de Iquitos, Iquitos, Peru (nr75)
 #Bangkok R.: OM nr75 got a reg. letter from P&T Dept. in which he was told that his RR was forwarded to The Communications Authority of Thailand, Chaeng-Wattana Road, Laksi, Bangkok 10002, Thailand (nr75)
 #NDB Cap Bon Lt.: Le Chef du Phare, M. Miladi Massen, B.P. 8, 8045 El Haouria, Tunisia (nr75)
 #NDB Plovdiv: Ivan Nikolaev Hristov, Technician, 16 Kiril Nektarev Street, Plovdiv 4025, Bulgaria (nr75)
 #Antofagasta R.: Armada de Chile, Direcci3n General del Territorio Maritimo y de Marina Mercante, Gobernaci3n Maritima de Antofagasta, Casilla 481, Antofagasta, Chile (nr75)
 #NDB TCH Central Address: Ex Miss Molkov has married in November, she is Mrs. Alena Praz kov now (nr75)
 #Jakarta Air: Perusahaan Umum Angkasa Pura II, Kantor Pusat, Bandar Udara Internasional Jakarta Soekarno-Matta, Gedung Administrasi (601), Kotak Pos 01/BUSM, Jakarta 19101, Indonesia (nr75)
 #V/s Cagliari R.: Francesco Tocco (fd40)
 #NDB Tangerang/Boukhalf: Mr. Hamdaoui-Nouredine, Service Technique, A,roport de Tangerang-Boukhalf (js33)
 #PTT Pitcairn (for logs between May 90 and March 91): Bill Haig, 12 Kauri Loop, Oratia, New Zealand (js33)

I N F O S

From OM Harald we learn that he will compile a weekly program dealing with all aspects of radio on Radio For Peace International. Name of the program is "Wellenbrecher". Sked would be Friday at 2315 with a repetition on Saturdays at 0515, 1115 and 1715. Frequencies are 7375 AM/USB, 13630 AM/USB, 15030 AM and 21465 USB. He writes that he plannes to include interesting Utility tips into the program. It would be nice if NL readers could contribute to this project with Utility news and infos. Address is RFPI-Europe, c/o Harald Kuhl, P.O.Box 110 226, D-W-3400 G'ttingen, FRG (tnx Harald).

Membership fee is due for following members: rb61, bf41, bg44, ai41, mm35, km40, wm72, mo67, rp41, dp41, hs33, ps50, js33, gt29, sw65, wk98, zeTC.

 Finally I have a sad news for you: From Peter Stephenson from Leeds I got a letter in which he advised me that our long time contributor Alex Moore from Stafford/UK (amG) passed away after a short illness on the 23rd November. After his retirement Alex was able to contribute considerable time to his interest. In recent years he specialized in RTTY traffic - one can say that he was one of the most advanced specialists in this field. So we have lost a very experienced and generous DXer.

UTNL1991

My thanks go to rb61 (welcom back Alter), ah75, hb31, fd40, pcG, wk98, nr75, js33, h171, cw34 and mo67.

To all of those who sent X-mas greetings to me let me thank you very much indeed. I wish all members of the NL a good and prosperous 1992 and I hope you had a nice Christmas.

PS dp41: Dieter, ich habe Deine QSL-Infos fr's n,,chste Heft aufgehoben.