

UTNL1993

Hi there everybody! Hope you had nice holidays with eating, drinking, sleeping and some DXing. As you will see the logs illustrate winter time much better than the actual weather (at least till today 24th January - please note that it is only 11 months to Christmas!)

NON DIRECTIONAL BEACONS

275	0440	VG	Haugesund/Karmoy	NOR	id	mo67
285	0437	LC	Link"ping/Malmen	S	id	mo67
286.5	0442	AL	Almagrundet Lt.	S	id+dash	mo67
287.5	0530	FR	Faerder Lt.	NOR	id+dash	mo67
292	1048	MR	Zatec	TCH	id	mo67
295	0435	LH	Ludvika	S	id	mo67
298.5	2228	SW	Skagen Lt.	DNK	id+dash	many
299.5	0221	VS	Vieste Lt.	I	id+dash	mo67
302.5	2237	FB	Flamborough Lt.	G	id+dash	mo67
303	2236	FV	Falsterborev Lt.	S	id+dash	mo67
303.5	2241	GR	Gedser Lt.	DNK	id+dash	mo67
304	0050	ME	Pta.della Maestra Lt.	I	id+dash	nr75
305.5	0136	AL	Pointe d'Ailly Lt.	F	id+dash	nr75
308	1908	G	Kemi	FNL	id	mo67
308	2244	PI	Zagreb/Pisoravina	HRB	id+dash	mo67
310	0536	KUR	Kuopio/Kurki	FNL	id	mo67
312.5	0122	BT	Mys Taran Lt.	RUS	id+dash	mo67
312.5	0123	BK	Baltijsk Lt.	RUS	id+dash	mo67
313	0246	AB	Absam	AUT	id	nr75
313.5	0006	BR	Cap B,ar Lt.	F	id+dash	nr75
314.5	0120	TL	Punta Penna Lt.	I	id+dash	many
315a	0607	ZM	Unid	?	id	mo67
316	0600	BGU	Oslo (Bergerud)	NOR	id	mo67
318	0542	LP	Roenneby	S	id	mo67
318	2041	BHD	Berry Head	G	id	mo67
321	2221	SP	Skrydstrup	DNK	id	mo67
322	0215	ORS	Orl,ans/St.Denis	F	id+dash	nr75
322	0400	OU	Stockholm/Bromma	S	id	mo67
322	0402	HYE	Hyšres/Le Palyvestre	F	id+dash	mo67
326	0546	KK	Karlskoga	S	id	mo67
329	0606	GU	Umea	S	id	mo67
330	0608	LNA	Lena	S	id	mo67
331	0240	TUR	Tours	F	id+dash	nr75
331	0359	TE	Thisted	DNK	id	mo67
331	2208	KAN	Kangasniemi	FNL	id	mo67
335	0529	FO	Oslo (Steilene)	NOR	id	mo67
335	2323	SV	Skive	DNK	id	mo67
336	2322	LT	Halmstad	S	id	mo67
337	0613	OZ	S"derhamn/Skallen	S	id	mo67
338	2253	CAG	Curtea de Arges	ROU	id	mo67
339	0411	ZL	Maastricht	HOL	id	mo67
339	0412	EA	Stockholm/Arlanda	S	id	mo67
340	0113	IOA	Ioannina	GRC	id	mo67
340	0113	KAI	Utti (Kaipiainen)	FNL	id	mo67
340	2311	IS	Ajaccio/Campo del Oro	F	id+dash	many
341	2310	LO	Billund	DNK	id	mo67
342	0556	LL	Fagernes/Leirin	NOR	id	mo67
345	2050	THS	Salonika/Makedonia	GRC	id	mo67
345	2218	BN	Kristiansand/Birkeland	NOR	id	mo67
346	0606	GS	G,,vle/Sandviken	S	id	mo67
348	2303	WA	Stockholm/Arlanda	S	id	mo67
348	2304	TRT	Trent	D	id	mo67
349	1919	JX	V,,xj"/Kronoberg	S	id	mo67
350	1955	GLG	Glasgow	G	id	mo67
350	2211	LAA	Oulu/Laanila	FNL	id	mo67
350.5	0201	TK	Tabarka/7th November	TUN	id	mo67
351	1954	SUM	Sumburgh	G	id	mo67
351.5	1943	PLA	Pula	HRB	id+dash	mo67
352	0455	ZO	Stavanger/Zola	NOR	id	mo67
352	2240	PSJ	seinajoki	FNL	id	mo67

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353	1942	PRV	Preveza	GRC	id	mo67
356	0501	SU	Salzburg	AUT	id	mo67
357	0500	CAS	Turin/Caselle	I	id	mo67
358	0206	ELO	El Oued/Guemar	ALG	id	mo67
358	0506	GRK	Trondheim/Vaernes	NOR	id	mo67
358a	0550	K	Unid	?	id	mo67
359	2002	LK	Lidk"ping	S	id	mo67
360	2055	OS	G"teborg/S,,ve	S	id	mo67
362	0544	NN	Eskilstuna	S	id	mo67
362	2345	NN	Eskilstuna	S	id	js33
363	0422	TLA	Edinburgh (Talla)	G	id	mo67
364	0425	GV	Scheveningen/Valkenburg	HOL	id	mo67
364	2350	PRI	Pristina	YUG	id	js33
365	0428	BC	Brasschaat	BEL	id	mo67
365	0429	ZAG	Zagreb	HRB	id+dash	mo67
365	0449	UTH	Orland/Uthaug	NOR	id	mo67
365	2246	VS	Tampere/Pirkkala	FNL	id	mo67
366	2248	KM	Kalmar	S	id	mo67
367	0433	SBD	Sabadell	E	id	mo67
368	0158	PAK	Pakka	FNL	id	mo67
369	0110	BP	Bastia/Poretta	F	id+dash	nr75
369	0150	OO	Ornsk"ldsvik	S	id	mo67
369	2225	NL	G"teborg/Landvetter	S	id	mo67
371	0556	HAA	Hamar	NOR	id	mo67
371	2135	CAG	Cagliari	I	id	nr75
371	2250	CAG	Cagliari/Elmas	I	id	mo67
374	2209	TU	Tirstrup	DNK	id	mo67
374	2216	S	Mikkelí	FNL	id	mo67
375	0202	ZN	Tozeur/Nefta	TUN	id	mo67
375	0536	FR	Pori	FNL	id	mo67
376	0322	LN	Hultsfred	S	id	mo67
376	0525	GF	Oslo/Fornebu	NOR	id	mo67
377	0437	KN	Norrk"ping/Kungsängen	S	id	mo67
378	0317	OKI	Sturovo	TCH	id	mo67
378	0324	OS	Sundsvall/H,,rn"sand	S	id	mo67
378	0440	KLY	Dublin (Killiney)	IRL	id	mo67
380	0445	FLR	Trondheim/Vaernes	NOR	id	mo67
380	0533	ULA	Ula Oilfield	IWA	id	mo67
381	2231	SAV	Savonlinna	FNL	id	mo67
381	2232	ESP	Helsinki/Espoo	FNL	id	mo67
381	2233	AB	Akraberg Lt.	FAR	id	mo67
382	1951	EGN	Athens (Aegina)	GRC	id	mo67
383	0022	TIO	Timimoun	ALG	id+dash	nr75
384	2050	KIL	Kiel/Holtenau	D	id+dash	mo67
384	2250	HNS	Sandane/Anda	NOR	id	mo67
384	2255	TY	Torsby	S	id	mo67
385	0205	KV	Halli	FNL	id	mo67
385	1433	MSE	Mnchen	D	id	mo67
387	0059	CEV	Cervia	I	id	nr75
387	0208	VDL	Vardal	NOR	id	mo67
389	0520	CC	Charleroi/Gosseliers	BEL	id+dash	mo67
389	2325	HY	Skive	DNK	id	mo67
390	2020	VAL	Valjevo	YUG	id+dash	mo67
390	2046	LV	Arvika	S	id	mo67
392	1947	KOR	Korinthos	GRC	id	mo67
392	2003	DVN	Split	HRB	id+dash	mo67
393	2215	HAP	Haapaj,,rvi	FNL	id	mo67
394	2214	JOK	Kauhajoki	FNL	id	mo67
395	2258	KW	Kirkwall	G	id	mo67
395	2314	GE	Billund	DNK	id	mo67
396	0424	ME	Manchester	G	id	mo67
396	2259	HYV	Hyvink,,,,	FNL	id	mo67
397	2213	NF	Falk"ping	S	id	mo67
398	2320	LPD	Montlucon/Gueret	F	id+dash	nr75
399	1438	MEG	Unid	?	id	mo67
400	0604	KO	Utti	FNL	id	mo67
400	2330	EN	™rebro	S	id	mo67
402	0543	LX	Eskilstuna	S	id	mo67

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402	2331	BKW	Beeskow	D	id	mo67
403	2229	OJ	J"nk"ping	S	id	mo67
404	1913	Y	Kemi	FNL	id	mo67
404	2026	DA	Torp/Dalen	NOR	id	mo67
404	2255	NL	Nols"	FAR	id	mo67
405	0225	BIC	Briare/Chatillon	F	id+dash	nr75
408	0608	W	Utti	FNL	id	mo67
408	0609	F	Helsinki/Malmi	FNL	id	mo67
414	0527	SLB	Oslo (Solberg)	NOR	id	mo67
415	1924	VG	Vargarda	S	id	mo67
415	2041	OL	Link"ping/Saab	S	id	mo67
416	2043	V	Vodochody	TCH	id	mo67
416	2315	MTA	Malta	MLT	id	nr75
416.5	2044	R	Arvika	S	id	mo67
417	1926	AH	Zngelholm	S	id	mo67
419	2020	AN	Anderstorp	S	id	mo67
420	0446	SS	Malm"/Sturup	S	id	mo67
420a	2240	EMT	Epinal/Mirecourt	F	id+dash	nr75
421	0409	GE	Madrid/Getafe	E	id	mo67
421	1938	HS	Halmstad	S	id	mo67
421	2100	T	Link"ping/Saab	S	id	mo67
421	2228	BL	Borl,nge	S	id	mo67
421	2345	GE	Madrid/Getafe	E	id	nr75
421a	0404	ZO	Unid	?	id+dash	mo67
423	1045	ARP	Arpe	D	id	mo67
425	0449	ORU	Orust	S	id	mo67
429	2017	CLN	Clacton	G	id	mo67
431	1950	ONT	Kliene Brogel	BEL	id+dash	mo67
432	0240	NVS	Navas del Rey	E	id	nr75
432	0407	NVS	Navas del Rey	E	id	mo67
432	2244	LOS	Losinj	HRB	id	mo67
434	1948	SK	Leipzig	D	id	mo67
434	1949	THN	Thorn	HOL	id	mo67
438	0333	PE	Poprad	TCH	id	mo67
438	0336	OKL	Prag	TCH	id+dash	mo67
440	2135	DRE	Drezdenko	POL	id	mo67
444	1955	TMN	Gora	POL	id	mo67
489.5	0415	JEL	Jelsava	TCH	id	mo67
490	0413	WAK	Vakarel	BUL	id	mo67
513	2109	CLJ	Cluj/Napoca	ROU	id	mo67
514a	1957	JBR	Jaszbereny ?	HNG	id	mo67
525	1522	HG	wrodaw/Stachowice	POL	id	mo67
625.5	2149	U	Tyn nad Vitavou	TCH	id	mo67
770	1526	NP	Khust	UKR	id	mo67
822	1530	DR	Dobransy	TCH	id	mo67

M A R I T I M E

2182	0004	MPRL6	MV Saint Clair	IWA	E wkg Wick	js33
2182	0025		MV Santa F, McGallan?	IWA	E wkg Humber	js33
2182	0034		Rescue 51 (Nimrod)	AIR	E clg Mount Eden	js33
2182	0133	LFO	Oerlandet R.	NOR	NOR anns	nr75
2182	0140	IQH	Napoli R.	I	I anns	nr75
2182	0613		Platform Tyra Ost	IWA	wkg Justup? up 2266	js33
2182	0636		MV Highland Pride	IWA	E wkg Stonehaven	js33
2182	0636		MV Toisa Puffin	IWA	E wkg Stonehaven	js33
2182	0815		Platform Beryl A	IWA	E wkg Stony	js33
2182	0905	LMJ	Jan Mayen R.	JMY	E/N anns fr wx	js33
2182	0924	MKSE9	Lytham Lb.	IWA	E wkg GPK	js33
2182	1013	2APW	Saint Mary's Lb.	IWA	E wkg GLD	js33
2182	1503	GDCC	MV Stena Orelia	IWA	E wkg Wick	js33
2182	1534	C6DF4	MV Castoro 6	IWA	clg Tunis 1768/2400	js33
2182	1626	SXFJ	MV Atlantic Sailor	IWA	E wkg Chios 2210/3743	js33
2182	1633	GDNJ	MV DSV Dynamic Installer	E	wkg Lampedusa	js33
2182	1648		MV Strathfarrer	IWA	E wkg Humber	js33
2598	0152	VOK	Labrador CGR.	CAN	E wx	nr75
4223.5	2141	9HD	Malta R.	MLT	cw-vvv	pcG

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4330	2118	UFB	Odessa R.	UKR	cw-msgs 88 wpm!	pcG
4346	2136	9AR	Rijeka R.	HRB	cw-vvv	pcG
6477.5	0802	UBN	Idanov R.	UKR	cw-cq	pcG
8294	1133		Bratislava R.	TCH	wkg ship	nr75

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

5637	1414	"LGML"	Milos Air	GRC	GR wkg Athens	js33
5637	1607		Kos Air	GRC	GR wkg Athens	nr75
5637	1619		Souda Air	GRC	GR wkg Athens	nr75
5637	1656		Thessaloniki Air	GRC	GR wkg Athens	nr75
5680	0554	Swallow 77	Heli RAF Aldergrove	AIR	E wkg Edinburgh Rescue	wk98
5680	1910	G-BDOC	Heli Sumburgh CG	AIR	E wkg Rescue 61&16	wk98
5696	0208		USCG Miami	USA	E wkg Rescue 1484	maNL
5696	2359		USCG Boston	USA	E wkg CG 6017	maNL
5715	2245		Unid Volmet	RUS?R	Volmet	maNL
6647	0828		MAFF Base	G	E wkg GDKK	wk98
6779	1828	DRAA	G Ny Destroyer Hamburg	IWA	E/G wkg DHJ59	wk98
8888	1717		Luanda Air	AGL	E wkg a/c	nr75
8918	0300		Panam Air	PNR	S calling Bogot	maNL
8930	1804		Tower Air 1006	AIR	E wkg Stockholm	wk98
8967	0428		USAF Thule	GRL	E wkg a/c	maNL
8967	0453		ARS Airforce	ARS	AR wkg a/c	maNL
8993	1527	MAN	R Ny Portland	G	E wkg 2FV	wk98
10069	1613	OE-ILG	Lauda Air	AIR	E wkg Berna	wk98
10078	1138	D-ADKO	Luthansa LH 444	AIR	E/G wkg Frankfurt	wk98
10078	1240	D-ABND	Condor DE 2631	AIR	E wkg Frankfurt	wk98
11306	1250	C5-GOC	Gambia Airways	AIR	E wkg Portishead	wk98
11306	1307		Kestrel 764	AIR	E wkg Portishead	wk98
11345	1339	OY-CEV	Unid	AIR	E wkg Stockholm	wk98
11345	1505	OE-LLI	Albanian Airlines	AIR	E wkg Stockholm	wk98
11363	1117		Britannia OPS	G	E wkg G-.RN	wk98
17916	1538		AAT3462 Austria Carrier?	E/G	wkg Stockholm	wk98

F I X E D B A N D S

4752.5	1507		Unid	?	S wkg USB	maNL
4765	1504		Unid	?	R wkg USB simplex	maNL
4811.4	1349		Unid	?	F wkg USB simplex	maNL
French with english words, callsigns: 3NZ3, 8FVH.....						
4856	0422		Saint Lys R. ?	F	F mentioning St.Lys	maNL
5308.5	0809	FAC20	F Army Metz (id:"C20")	F	F wkg "C55" USB	maNL
5308.5	0809	FAC55	F Army Paris (id:"C55")	F	F wkg "C20" USB	maNL
5310	evening various		Unid Bosnian?	BOS	military tfc	pcG
tfc about ship movements, using tacticals (02J, MS, MB) For you, bg20...!						
7871	0832	LN2A	NTRA Oslo	NOR	id+dash	nr75
9106	2355		BAS Halley	ANT	E wkg Faraday	nr75
9106	2357	XHG7	Unid	?	cw-vvv	nr75
10107.1	2315		Unid Telephone Station	ARG	S phonecalls USB	maNL
10364.9	0815		Unid	?	F wkg simplex	maNL
14441.5	1445	NNN0NVT	MARS Yokosuka	J	E wkg NOCXM	js33
14441.5	1845	NNN0NSB	MARS Kings Bay	USA	E wkg NOCCK	js33
14530.5	2100	AIR	MARS USAF Andrews AFB	USA	cw-test	js33

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

4258.3	2153	MTO	R Ny Rosyth	G	tfc	75	pcG
8417.5	1749	UFB	Odessa R.	UKR	wkg UUGF	TOR-A 100	pcG
9126.7	2127	RFJJJ	Douala Air	CME	aero tfc	ARQ-E 50	pcG
9994	2113	CSY	Santa Maria Air	AZR	aero tfc	50	pcG
12688.5	1244	UQK2	Riga R.	LVA	msg to ships	50	pcG
14670	1015	DZFG	Belgrade	YUG	ry testing	75	pcG
14801.6	1526	RFHI	Noum,a Air	NCL	aero tfc	ARQ-E3 100	pcG
14846	1429	5YD	Nairobi Air	KEN	id	50	pcG
14926.7	0948	RFTJ	Dakar Air	SEN	aero tfc	ARQ-E3 48	pcG

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14937.5	1450	TTL	N'Djamena Air	TCD	aero tfc	ARQ-342	96	pcG
14989	1440	TNL37	Brazza Meteo	COG	meteos	ARQ-342	96	pcG
19707	0920	UXN	Arkhangelsk R.	RUS	wkg ships	TOR-A	100	pcG
19747.6	1000	6VU79	Dakar Meteo	SEN	meteo tfc		50	pcG

Q S L R E V I E W

AFG-Kabul Air	106	L/	10018				1kw	mo67
AFS-AFS Ny COMCEN Cape Town	42	C/	23992.5	ZRH			14kw	mo67
AGL-UNAVEM (UNO) Luena/Moxico	96	L/	14500				1kw	mo67
AIR-Aero Lloyd AEF 482	50	PPC,L,I,4VC/RP	17916	D-ALLD			200w	wk98
AIR-Ambulance 052	62	PPC/RP,VC	8930	D-CAMB			1kw	wk98
AIR-Austrian Airlines OS 501	20	PPC/3VC,14St!,a/c model		OE-LAB			400w	wk98
AIR-Condor DE 3145	40	PPC,I/RP	17931	D-ABNE			400w	wk98
AIR-NFD Flamingo/NS 025	18	PPC/RP	127.70	D-BAAA			16w	wk98
AIR-Rescue 122 RAF Valley	11	PPC,I,Poster/RP	5680	XR504				wk98
AIR-Rescue 123	14	L,PPC	5680				300w	mo67
AIR-Rescue 128 RAF Leconfield	45	PPC/SASE	5680	XZ590			400w	wk98
AIR-Rescue 134	10	PPC/	5680				2kw	mo67
AIR-Rescue 137 RAF Lossiemouth	25	PPC/RP	5680	XZ594			400w	wk98
AIR-Rescue 166	32	PPC/	5680				150w	mo67
AIR-Rescue 174 Lee-on-Solent	CG10	PPC,I/RP	5680	G-BDIJ			400w	wk98
AIR-Rescue 193	11	L,Fo's,St,I/	5680					mo67
AIR-Rescue Heli	13	L,PPC,Fo/	5680	GBDOC			350w	mo67
AIR-Rescue Pluto 1 Gravenhage	22	PPC,3St/SASE	5680	V205			1kw	wk98
ALG-Oran R.	772	L,PPC/	1735	7TO			2kw	mo67
ANT-BAS Halley IV	1392	L,PPC,Ham-C/	11055	ZHFZ			1kw	mo67
BAH-NDB Stella Maris	238	PPC/	526	"ZLS"			500w	mo67
BEL-NDB Spa/La Sauvenišre	16	PPC/	386.5	"SLV"			200w	mo67
BEL-Oostende R. LDOC	119	C/	13351					mo67
D -Glksburg Rescue	4	PPC/	5680				20kw	mo67
D -MARS US Army Vilseck	539	L,PPC/	20994	AEM1VLK			200w	mo67
DNK-NDB Billund	5	L,PPC,St,VC	395	"GE"			10w	mo67
DNK-NDB Copenhagen/Roskilde	40	PPC/	368	"RK"			25w	mo67
DNK-NDB Hals Barre Lt.	67	PPC direct/	310.3	"HB"			50w	mo67
E -NDB Cabo Trafalgar Lt.	103	PPC/	289.6	"B"				mo67
E -NDB Murksia/San Javier	159	PPC,Sts/	381	"LCZ"			200w	mo67
E -NDB Reus	107	PPC/	424	"RES"			100w	mo67
E -NDB Rota Lt.	103	PPC/	289.6	"D"				mo67
EST-Tallin R.	122	PPC/IRC,stamps	6485	UAH			1.5kw	pcG
ETH-Asmara Air	34	PPC/	11300				1kw	mo67
F -NDB Cap d'Alprecht Lt.	6	PPC,I/	310.3	"PH"			50w	mo67
F -NDB Chateauroux/Deols	12	PPC/	466	"CTX"			25w	mo67
F -NDB Gros Tenquin	52	PPC via Strasbourg	433	"GQ"				mo67
F -NDB Hyšres/Le Palyvestre	50	PPC,I/	322	"HYE"			100w	mo67
F -NDB Mende/Brenoux	11	PPC/	293	"BW"			25w	mo67
F -NDB Nevers/Forchambeault	21	PPC/	394	"NV"			20w	mo67
F -NDB Paris/Orly	803	L,PPC,I/	328	"OLS"			25w	mo67
F -NDB Pointe d'Ailly Lt.	7	PPC,VC/	310.3	"AL"			50w	mo67
F -NDB Sšte Lt.	42	PPC/	287.3	"SŠ"			50w	mo67
FNL-NDB Haapajarvi	11	PPC via c/a	393	"HAP"			500w	mo67
FNL-NDB Helsinki (kors")	32	PPC via c/a	322	"KOR"			100w	mo67
FNL-NDB Kauhajoki	11	PPC via c/a	394	"JOK"			300w	mo67
FNL-NDB Mariehamn	32	PPC via c/a	305	"S"			100w	mo67
FNL-NDB Mikkelä	10	PPC direct	346	"MI"			200w	mo67
FNL-NDB Tampere/Pirkkala	20	PPC direct	365	"VS"			400w	mo67
G -LDOC Monarch Ops Luton	19	L,PPC,VCs	11363					mo67
G -NDB Henton	19	PPC/	395	"HEN"			200w	mo67
G -NDB Radnor	11	PPC,business cd/	374	"RNR"			60w	mo67
G -NDB Scotstownhead	14	L,PPC	383	"SHD"			200w	mo67
G -NDB Sumburgh Lt.	9	PPC/	291.9	"SB"			100w	mo67
G -Plymouth Rescue	22	L,PPC/	5680					mo67
G -R Ny COMMCEN Pitreavie	17	L,PPC	14633	MTO			1kw	mo67
GIB-R Ny COMMCEN Gibraltar	21	PPC,C direct/	4220.9	GYU			5kw	mo67
GRC-Athens Air	29	PPC/	5637				1kw	mo67
GRC-Iraklion Air	43	L,PPC/	5637				500w	mo67
GRL-USAF Thule	21	C,PPC/	13201					mo67

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HNG-Budapest Air	27	L/	7910	HAM	1.5kw	mo67
HNG-NDB Budapest/Ferihegy	15	L f/up	335	"BL"	50w	mo67
HNG-NDB Bugac	15	L f/up	430	"BUG"	100w	mo67
HOL-NDB Eindhoven	21	PPC via Schiphol	316	"PH"		mo67
HOL-Yjmuiden Rescue	20	PPC,I,St/-	5680	PBK	20kw	wk98
I -NDB Brindisi/Casale	16	PPC/	363.5	"BRD"	100w	mo67
I -NDB Piacenza	25	PPC/	440	"PIA"	100w	mo67
I -NDB Ponza	33	PPC/	367.5	"PNZ"	100w	mo67
I -NDB Venezia/Tessera	14	PPC/	379	"VEN"	50w	mo67
I -Roma R.	24	C/	8670	IAR		mo67
IRL-NDB Portmarnock	23	L,PPC/	397	"OP"	50w	mo67
IWA-G Ny Frigate Niedersachsen	47	PPC/RP	16405	DRAR	1kw	wk98
IWA-G Ny Minesweeper Minden	17	PPC,3St/RP	5680	DREK	100w	wk98
IWA-HMS Alacrity	47	PPC,L,Fo,I in Ger	8240	GQIC	200w	wk98
IWA-HMS Argonaut	42	PPC/SASE	16363	GNZH	200w	wk98
IWA-HMS Blackwater	23	PPC,L,I,2St/RP	6647	GDKK	100w	wk98
IWA-MV British Enterprise 3	41	PPC,I/	2182	GCZT	200w	mo67
IWA-MV CMS Pol Gulf	20	PPC,L/-	16528	9VPB	1050w	wk98
IWA-MV Leopardi	191	PPC,I,L/	2182	ICAT	500w	mo67
IWA-MV Maersk Rover	190	PPC/	2182	GCNX	250w	mo67
IWA-MV Nedlloyd Tasman	64	PPC,L,I,Fo	2182	GYSE	400w	mo67
IWA-MV Norrona	122	PPC/	2182	XPZG	750w	mo67
IWA-MV Running Bear	61	PPC/	2182	V2EC	400w	mo67
IWA-MV Tor Flandria	14	PPC,L,I,Fo/	2182	SHCN	400w	mo67
IWA-MV Tbingen	9	L,PPC/	5680	DREJ	100w	mo67
IWA-Rig Benarmin Explorer	34	PPC/	2182		400w	mo67
IWA-Rig Borgsten Dolphin	67	PPC,L,I/	2182	3ETJ5		mo67
IWA-Rig Rowan Gorilla 2	21	PPC,I/	2182	WSQ27382	250w	mo67
LVA-NDB Riga/Skulte	300	PPC/	975	"RD"	1kw	mo67
LVA-NDB Ventpils	300	PPC/	652	"RR"	1kw	mo67
NIG-Sky Power Lagos (LDOC Nig.Airw.)	69	L,PPC/	8963		60w	mo67
NOR-NDB Oksoey Lt.	127	PPC/	296.5	"KY"	50w	mo67
POL-NDB Siedlce	48	PPC/	367	"SIE"	50w	mo67
S -NDB Falk"ping	554	PPC direct/	397	"NF"	50w	mo67
S -NDB Kalmar	32	PPC direct/	366	"KM"	100w	mo67
S -NDB Kristianstad/Everod	8	PPC/	363	"OE"		mo67
S -NDB Ljungby/Feringe	209	L,PPC,Fo/	325	"F"		mo67
S -NDB Ludvika	96	PPC (no det),St/	295	"LH"		mo67
S -NDB Orust	35	PPC via Stockholm	425	"ORU"		mo67
S -NDB Saten,,s	10	PPC,Ham-C/	309	"LG"	100w	mo67
S -NDB Umea	73	PPC/	329	"GU"	100w	mo67
S -NDB V,,steraas/Hasslo	15	PPC/	276	"RD"	50w	mo67
S -Stockholm Rescue	15	PPC,St/	5680		10kw	mo67
TUR-USAF Incirlik	207	PPC,St/	11176	AJO		mo67
UKR-NDB Lvov	75	PPC/	315	"FS"	1kw	mo67
UKR-NDB Verhneye-Vysotskoye	106	PPC via Lvov/	334	"FK"	1kw	mo67
UKR-Odessa R.	52	L,PPC/	16823.5	UFB	5kw	mo67
USA-MARS Bellevue,FL	32	PPC,L/	14465.3	NNN0ERM	500w	mo67
USA-MARS Cherry Point,NC	39	PPC,Ham-C/	20935.8	NNN0MCP	400w	mo67
VTN-Ho-chi-Minh R.	34	PPC,C/IRC,stamps	13042	XVS	1kw	pcG

ADDRESSES / VERIESIGNERS

For new addresses and veriesigners see our nr75 and js33 specials or read this from mo67:

V/s NDB Radnor "RNR" is H. Sanders, Senior Engineer

V/s Iraklion Air is Her.Kalogerakis

V/s Kabul Air is M.N. Amu, President of Planning

V/s USN MARS Bellevue, FL NNN0ERM is J.P.Foster, W5HNN

INFOS

Some addresses for wk98: RAF Aldergrove, Belfast Airport, BelfastBT29 4AA, United Kingdom ----- Gambia Airways, City Terminal, Wellington Street, PO Box

UTNL1993

268, Banjul, The Gambia ----- any infos on Kestrel and Tower Air??

nr75 wonders to which cities greek airports Kapodistria and Nikomethos belong. Also he would like to know the address of witowo Radio.

bg20 from Hamburg (a new member to which we give a hearty welcome) wants infos about stations in Bosnia-Hercegovina.

I received payment from hb32, fd40, zeTC, bg44, ah75, ai41, mo67, rp41, dp41, ps50, and js33 (all for 1/93). For 1/93 still missing are rb61, bf41, wk98, mm35, km40, ht43, sw65. For 2/93 I am directing my hope for money to the following gentlemen: fgI, fs74 and jvNL.

That's all for this month. Thanks to the very prolific contributors mo67, pcG, ai41, nr75, js33, maNL (welcome back!) and wk98.

Hi! Hope you had a good February - with splendid DX and so on. If yes, please submit it to our utility news magazine, which (again) is a bit anaemic in terms of quantity:

NON DIRECTIONAL BEACONS

315a	2250	S5IL	bad keying for SL?	Unid	???	id+dash	nr75
357	0120	KVR		Kavouri	GRC	id	nr75
358	2105	MNE		Mnchen	D	id	nr75
379	0216	PIS		Pisa	I	id	nr75
385	2111	MSE		Mnchen	D	id	nr75
436	0200	OB		Brussels ?	BEL?	id+dash	nr75
465	0005	LO		Unid	???	id+dash new format	nr75
469	2130	UZ		Unid	???	id+dash	nr75
822	1702	DR		Stankov	CR	id	nr75

MARITIME

1650	2052			Jersey R.	G	E ts check, id	zeTC
4210.5	2211	ESA		Tallin R.	EST	cw-de telex ex UAH	pcG
6265	0031	FUO		F Ny Toulon	F	cw-vvv	zeTC
6265	2333	NMN		USCG Portsmouth	USA	cw-sitor	zeTC
6323	0014	WLO		Mobile R.	USA	cw-sitor	zeTC
6485	1956	ESA		Tallin R.	EST	cw-msgs ex UAH	pcG
8446	1827	UQK		Riga R.	LVA	cw-de & freqs	pcG
8471.8	1830	SUP		Port Said R.	EGY	cw-vvv cq	pcG
8570	1644	DZJ		Manila R.	PHL	cw-cq	zeTC
8688	0628	WNU53		Slidell R.	USA	cw-cq	zeTC
8690	0623	3DP3		Suva R.	FJI	cw-cq	zeTC
12600	1718	KPH		San Francisco R.	USA	cw-sitor	zeTC
12663	0634	CBV		Playa Ancha R.	CHL	cw-vvv	zeTC
12753	1638	CKN		CF Vancouver	CAN	cw-vvv	zeTC
13024.5	1651	ASK		Karachi R.	PAK	cw-cq	zeTC
16851	0959	UON		Baku R.	AZE	cw-vvv	nr75

AERONAUTICAL

5637	1623			Iraklion Air	GRC	GR wkg Athens	nr75
8913	0040			Kinshasa Air	ZAI	E wkg LH a/c	nr75
8913	0053			Lubumbashi Air	ZAI	E wkg Springbok 350	nr75
8949	0304			Zimbabwe 724	AIR	E wkg "Afro" Harare?	nr75

FIXED BANDS

5304.5	1759	OLX		CTK Prague	CR	cw-vvv	pcG
10894	1638	RCV		RUS Ny Moscow	RUS	cw-cq	zeTC

11002 1057 PTT Prague CR CW-VVV nr75

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

129.1	0318	DCF49	DBP Frankfurt (?)	D	testing	200	rb61
"THIS IS DCF49 TESTING THE QUICK BROWN FOX....."							
2295.8	2306	HFVBR	LKA Berlin	D	msg to Bonn	ARQ-E	96 pcG
5035	2010	GYU	R Ny Gibraltar	GIB	chatting	Piccolo	pcG
5193	2040	MKD	RAF Akrotiri	CYP	op tfc	Piccolo	pcG
6835	0220		Bracknell Meteo	G	wx		50 rb61
7524.1	2308	TYE	Cotonou Air	BEN	idling	ARQ-342	96 pcG
7610	2116	SUA231	MENA Cairo	EGY	F nx		75 pcG
8123	2053	TNL48	Brazzaville Meteo	COG	meteo gps	ARQ-342	96 pcG
9378.5	0311		Plaisance Air	MAU	idling	ARQ-E3	48 rb61
10215	0509		Jeddah Meteo	ARS	wx		100 rb61
10412	0219		FF Beirut	LBN	idling	ARQ-E	72 rb61
10493.7	0542		FF Fort Bouet	CTI	idling	ARQ-E3	48 rb61
10515	0213		SRI Bern	SUI	nx		50 rb61
10638.7	0151		FF Djibouti	DJI	idling	ARQ-M2	200 rb61
10680.5	0148		FF Bangui	CAF	idling	ARQ-E	72 rb61
10686	0646	9DM17	Tehran Meteo	IRN	wx		50 rb61
10814.2	0143		FF Djibouti	DJI	idling	ARQ-M2	200 rb61
10856.3	0700	GXQ	British Army London	G	ry		50 rb61
10873.7	0137		FF Le Port	REU	idling	ARQ-E3	100 rb61
10917.7	0713		FF Dakar	SEN	idling	ARQ-E3	48 rb61
11039	0728		Quickborn Meteo	D	wx		50 rb61
11063	0729		Sofia Meteo	BUL	wx		50 rb61
11110.5	0115		FF Fort de France	MRT	idling	ARQ-E3	192 rb61
11125	0747		Grenge1 Meteo	D	wx		100 rb61
11139	0750	"DFZG"	MFA Beograd	YUG	E press		75 rb61
11485.7	1756	TUH	ASECNA Abidjan	CTI	ry		50 rb61
11487	1730		Unid	???	mediterr wx chart	Fax	rb61
11541	1817	7OC	Aden Air	YEM	ry		50 rb61
12412	2139	RFFXL	FF Beirut	LBN	idling	ARQ-E	72 pcG
13942.5	1020	GYU	R Ny Gibraltar	GIB	foxes & ry	Piccolo	pcG
14699	0805		INA Baghdad	IRQ	AR nx		50 rb61
14785	1441	ATP65	Delhi Meteo	IND	ry & cq		50 pcG
14912	1441	"DZFG"	MFA Beograd	YUG	SER nx		75 pcG
14953	2027	MTS	R Ny Port Stanley	FLK	de MTS	Piccolo	pcG
DE MTS And OP Engineering Channel 1 tfc, 3 channel system, idle/crypto, idle							
14989	0702	TNL	ASECNA Brazza	COG	wx	ARQ-M2	96 rb61
18047	1020	TTL	N'Djamena Air	TCD	de TTL test		50 pcG
19707	1010	UXN	Arkhangelsk R.	RUS	qtc list	SIT-B	100 pcG

Q S L R E V I E W

ANT-MARS South Pole	580	PPC/RP	13826	NNN0NBW	1kw	js33
BRB-LIAT Adams	16	L frm ATC, no QSL	5568			js33
EGY-MARS Sharm-el-Sheikh, Sinai	20	PPC, L/RP	20994	AEM4USA	1.2kw	js33
FJI-Suva R.	29	PPC, L/VC	8690	3DP3	1kw	zeTC
G -Scarborough Lifeboat	11	PPC, Fo/SASE	2182		400w	js33
GRC-Dimokritos Air	40	PPC, VC/\$ back	5568	SWD	400w	js33
GRC-Heraklion Air	42	PPC/\$	5568	SWH	500w	js33
HOL-Aircraft P3C Orion	9	PPC, L, St's/-	3121	P-1	400w	js33
IWA-MARS USS Harry E Yarnell	53	C, Fo/RP	14441.5	NNN0COV		js33
IWA-MARS USS Princeton	66	PPC, L, Fo, I, Map/-	14441.5	NNN0CLX	1kw	js33
IWA-MV DSV Dynamic Installer	47	PPC, L/-	2182	GDNJ	800w	js33
IWA-MV Research Geco My	14	PPC, Fo/SASE	2182	LALN4	400w	js33
IWA-MV Ro-Ro Saint Clair	9	PPC, L, I/-	2182	MPRL6	600w	js33
IWA-MV Supply Royal Service	47	PPC/-	16363	GWIQ	800w	js33
LVA-Riga R.	180	PPC/IRC, RP	13070	UDH	4kw	pcG
LVA-Riga R.	234	PPC, L/VC, IRC	8432	UDH	5kw	zeTC
RUS-Moscow R.	230	PPC, L/IRC, RP	8440.6	UAT	5kw	pcG
S -Swed AF Heli	37	PPC, St's, I/-	5680	O-95	50w	js33
USA-Boylston Fire Dept.	285	PPC/-	33700	KCF-337		js33
USA-MARS Evansville	35	PPC, Fo/SASE	14441.5	NNN0UMS	2kw	js33

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USA-MARS Kingsbay Submarine Base	49 PPC,L,St/RP	14441.5	NNN0NSB	1.3kw	js33
USA-MARS Prospect Harbour	86 PPC,C/SASE	14441.5	NNN0IBM	100W	js33
USA-MARS Republic,WA	50 PPC,C/SASE	14478.5	NNN0UTO	800W	js33
USA-San Francisco R.	18 PPC/VC	12600	KPH	5kw	zeTC
USA-USCG Portsmouth	31 C/VC	6265	NMN	10kw	zeTC
USA-WFLA Tampa	37 C,I/RP	25870	KPM-360	100W	js33

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

MARS Kingsbay NNN0NSB: James Flaherty (CHOP), TRF Submarine Base Kings Bay, Code 720 Shop 67D, Kingsbay, GA 31547, USA (js33)

Suva Radio: V. Injimu (Supervisor), Fiji Posts and Telecommunications Ltd., PO Box 40, Suva, Fiji

San Francisco Radio KPH: Michael J. Walsh (N6MQ), MCI International, Inc., 17400 Sir Francis Drake Blvd., Point Reyes, CA 94956, USA

USCG Portsmouth: USCG CAMSLANT, c/o NAVSECGRUACT Northwest Chesapeake VA 23322-2598, USA (zeTC)

I N F O S

js33 asks for the address of USS Leyte Gulf. His MARS Unids this month are NNN0HQA, NNN0XMT, NNN0KBD.

Jo furthermore reports that FPO Miami (= FPO AA) is closed now and letters are returned. Any new address?

Some unid NDBs with solutions by OM nr75 via Deutsche Flugsicherung Stuttgart:
 SPM 351 is Airfield Speyer/D
 SUL 353 was a temporary beacon at Sulz (Rottweil/D)
 MEG 401 is Mengen Airfield (near Sigmaringen/D)

I received payment from bf41, km40, wk98 and sw65 (all for 1/93). For 1/93 still missing are rb61, mm35, and ht43. For 2/93 I received payment from fs74. Not received from fgI and jvNL so far. For 3/93 cb/S and jWA are due.

That's it. Warm thanks to the faithful pcG, js33, zeTC, rb61 and nr75. The amount of members is increasing, the amount of people who are motivated to send in their logs and infos is decreasing. Hope to see more of you next time - would be motivating for me.

Greetings to all of you! The NL is full of good stuff I think - may be springtime brought new power and motivation:

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

285	0549	PT	Katowice/Pyrzowice	POL	id	mo67
298a	0546	ZW	Unid	???	id	mo67
299a	0540	SK	Unid	???	id	mo67
300	0442	SC	Link"ping/Malmen	S	id	mo67
311.5	0452	SA	Senigallia Lt.	I	id+dash	mo67
313.5	0616	TMG	TMlands S"dra Grund Lt.	S	id+dash	mo67
320	0435	SA	Timisoara/Giarmata	ROU	id	mo67
329	0508	VX	V,,xj"/Kronoberg	S	id	mo67
350	1303	SPM	Speyer	D	id	mo67
352	1939	OA	Oslo/Fornebu (Asker)	NOR	id	mo67
357	0448	KVR	Athens (Kavouri)	GRC	id	mo67
363	2241	OE	Kristianstad/Everod	S	id	mo67
374	2244	FS	Dresden	D	id	mo67
375	0447	KD	Kristianstad/Everod	S	id	mo67
389	0416	UD	Shiryayevo	UKR	id	mo67
391	2214	VOL	Bergen/Flesland	NOR	id	mo67

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393	2100	DEN	Dender	BEL	id+dash	pcG
393	2208	TAT	Molde/Aro (Tautra)	NOR	id	mo67
395	0436	FOY	Foynes	IRL	id	mo67
395	2050	HEN	Henton	G	id	pcG
397	0437	OP	Dublin	IRL	id	mo67
399.5	2042	ONO	Oostende	BEL	id+dash	pcG
401	2236	FNL	Fenland	G	id	mo67
401.5	2046	HRN	Bournemouth-Hurn	G	id	pcG
401a	0459	SZ	Unid	???	id	mo67
402	0500	LX	Eskilstuna	S	id	mo67
403	0440	KEK	Kerkyra/I.Kapodistriasi	GRC	id	mo67
403.5	2040	MRV	Merville/Calonne	F	id+dash	pcG
404	0502	VNG	Vangsnes	NOR	id	mo67
404	0510	BMR	Baia Mare	ROU	id	mo67
406	0419	DB	Mogilev/Podolsky	UKR	id	mo67
407	0442	GAR	Dublin (Garristown)	IRL	id	mo67
411	0545	M	Kokkola/Pietarsaari	FNL	id	mo67
411.5	2031	AS	Angers	F	id+dash	pcG
424a	0455	AC	Unid	???	id	mo67
429	2000	CLN	Clacton	G	id	pcG
432	2013	LS	Lee-on-Solent	G	id	pcG
434a	2020	MV	Unid	???	id+dash	pcG
450	2025	LHR	Lahr	D	id	pcG
465a	0457	LO	Unid	???	id+dash	mo67
490	0003	XR	Koshany	UKR	id	mo67

M A R I T I M E

2182	0000		Haifa R.	ISR	E wkg ships	mo67
2182	0651		MV Santa F, Monitor	IWA	E wkg Montrose A	mo67
2182	0651		Platform Montrose A	IWA	E wkg S.F, Monitor	mo67
2182	1718		MV Stena Seawell	IWA	E wkg Stonehaven	mo67
2182	1724	MLYT2	MV Seabord Supreme	IWA	E wkg Stonehaven	mo67
2182	2054		Neddrill 3	IWA	E wkg Humber	mo67
2182	2108	P3OK4	Unid	IWA	E clg Malta R.	mo67
2182	2112	GSXU	HMS Andromeda	IWA	E wkg Stonehaven	mo67
2182	2120		MV Safe Supporter	IWA	E wkg Stonehaven	mo67
2182	2124		Rig Glomar Baltic 1	IWA	E wkg Humber	mo67
2182	2139		Oerlandet R.	NOR	E clg all ships	mo67
2182	2140		Rig Santa F, Galaxy 1	IWA	E wkg Humber	mo67
2182	2141	TFXB	Unid	IWA	E wkg Humber	mo67
2182	2148	GCRN	MV Far Sovereign	IWA	E wkg Humber	mo67
2182	2207		Reykjavik R.	ISL	E clg all ships	mo67
2182	2221		Madeira R.	MDR	E clg 3EGY8	mo67
3678	1723	SXH32	GRC Ny	GRC	cw-vvv	mo67
4323	2100	VIP	Perth R.	AUS	cw-vvv	pcG
6368.5	2119	UDH	Riga R.	LVA	cw-cq	pcG
8422	1608	ESA	Tallinn R.	EST	cw-de	mo67
8474	1635	JYO	Aqaba R.	JOR	cw-cq	ht43
8686	2120	CNP	Casablanca R.	MRC	cw-cq	pcG
12678	0017	9MG	Penang R.	MLA	cw-cq	ht43
12687	1500	OFJ	Helsinki R.	FNL	cw-id	ht43
12695	0027	KFS	San Francisco R.	USA	cw-cq	ht43
12699	0031	HPP	Intelmar R.	PNR	cw-vvv	ht43
12700	1511	XSQ	Guangzhou R.	CHN	cw-cq	ht43
12753	0045	CKN	RCF Aldergrove	CAN	cw-vvv cq	ht43
13057	1415	OMC	Bratislava R.	SLO	cw-cp de OMC	pcG
22537	1610	FUF	F Ny Fort de France	MRT	cw-vvv	ht43
22587.5	1620	LPD34/71	Generale Pacheco R.	ARG	cw-vvv	ht43
22619	1624	UCS	Halifax R.	CAN	cw-vvv cq	ht43

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

3485	2325		Gander Volmet	CAN	wx	fd40
5637	1544		Mykonos Air	GRC	GR wkg Athinai	fd40
5637	1557		Kalamata Air	GRC	GR wkg Athinai	fd40

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5637	1558		Dimokritoi Air	GRC GR wkg	Athinai	fd40
5637	1632		Samos Air	GRC GR wkg	Athinai	fd40
5637	1639		Kasatakis Air	GRC GR wkg	Athinai	fd40
5637	1644		Mitilini Air	GRC GR wkg	Athinai	fd40
5637	1648		Kavala Air	GRC GR wkg	Athinai	fd40
5637	1710		Limnos Air	GRC GR wkg	Athinai	fd40
5637	1757		Souda Air	GRC GR wkg	Athinai	fd40
5680	0749		Alpine 95	G	E wkg Plymouth Resc	mo67
5680	0754		Alpine 22	AIR	E wkg Edinburgh	mo67
5680	0756		Longyear Rescue	SVB	E wkg Edinburgh	fd40
5680	0831		Koksijde Rescue	BEL	E wkg	fd40
6556	1834		Jakarta Air	INS	E wkg Singapore	fd40
6647	1427		Maff Base	G	E wkg GUYX	mo67
6647	1427	GUYX	HMS Shetland	IWA	E wkg Maff	mo67
6647	1453		Watchdog 94	AIR	E wkg Maff	mo67
6647	1456	GUYV	HMS Orkney	IWA	E clg Watchdog 94	mo67
6647	1538		Watchdog 91	AIR	E wkg Maff	mo67
6647	1601	GUYV	HMS Jersey	IWA	E wkg Maff	mo67
6779	1540	DRAB	G Ny Vessel S.-Holstein	E	wkg DHJ59	mo67
8855	0007		Maiquetia Air	VEN	E wkg "051"	fd40
8855	0034		Rio Air	B	E wkg Speedbird 203	fd40
8855	2357		Brasilia Air	B	E wkg Springbok 203	fd40
8879	1746		Lusaka Air	ZMB	E wkg LH 565	fd40
8879	1802		Mauritius Air	MAU	E wkg Springbok 284	fd40
8879	1815		Perth Air	AUS	E "Perth Control"	fd40
8879	1816		Tananarive Air	MDG	E wkg Seychelles	fd40
8879	1819		Lilongwe Air	MWI	E wkg Dar	fd40
8879	1824		Seychelles Air	SEY	E wkg Tanana	fd40
8879	1843		Dar Air	TNZ	E wkg "532"	fd40
8930	0832		DRF Stuttgart	D	E wkg Ambulanz 295	fd40
11300	2201		Djibouti Air	DJI	E clg Addis	mo67
11345	2208		LDOC Viasa Maiquetia	VEN	S wkg selcal CEFJ	fd40
11396	1524		Perth Air	AUS	E wkg ".15"	fd40
13324	1328		LDOC LTU Dsseldorf	D	G wkg a/c	fd40
13339	1140		LDOC Jeddah Ops	ARS	AR wkg Saudia 375	fd40
13356	1313		LDOC KLM Amsterdam	HOL	wkg BFK	fd40
17916	1301		LDOC Paris	F	F wkg unid a/c	fd40
17940	1246		LDOC Iberia Las Palmas	CNR	S wkg Cuana Maria a/c	fd40

FIXED BANDS

6996	1100		ICRC Zagreb	HRB	E/F wkg also LSB	fmI
6996	1100		ICRC Banja Luka	HRB	E/F wkg also LSB	fmI
			also Srebrenica heard on this freq....			fmI
6998	1400		ICRC Zagreb	HRB	E wkg in LSB	fmI
6998	1400		ICRC Pristina	YUG	E wkg in LSB	fmI
8130	2245		Unid	???		fmI
			2 stations working in LSB simplex S traffic, Venezuela police??..			fmI
23750	0904	OEY51	Unid	AUT	G wkg OEY61	mo67
23750	0904	OEY61	AUT UN Famagusta	CYP	G wkg OEY51	mo67

RADIOTELETYPE

2235	1750	"Julia"	Unid	???	SW or DAN wx crypto	fmI
3364	2115	RFFMHOY	Unid	???	crypto ARQ E	72 fmI
3813	2200		Unid	???	idling ARQ E	72 fmI
3813	2307	HFVGM	LKA Kassel	D	msg ARQ E	96 pcG
3830	2215		UNHCR Zagreb	HRB	E wkg SIT A	fmI
3838	2130		F Gendarmerie ?	F?	F tfc	fmI
4315	2110	URD	Sankt Petersburg R.	RUS	ry & qth	50 pcG
4442.3	0802	NIVHF	LKA Bonn	D	testing ARQ E	96 pcG
5117.5	2234	TYE	Cotonou Air	BEN	id & msg	50 pcG
5825	0915	"DOR"	MFA Sofia	BUL	E nx, crypto	75 fmI
6475	1010	4UY23	UNHCR Zagreb	HRB	E to Kiseljak SIT-A	fmI
6888.5	1630	RF???	Unid	F	msgs ARQ E	72 pcG
6920	2206		Kiew Meteo	UKR	nx	50 fd40

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6980	1550	RF???	Unid	F	msgs	ARQ E	72	pcG
7395	1330		UNHCR Ex-Yugoslavia Net	E	wkg	SIT A		fmI
stns monitored: Belgrade, Metkovic, Banja Luka, Zagreb, Sarajevo...fmI								
7592	2051	YZD6	Tanjug Belgrade	YUG	ry & id		50	pcG
7592	2157	YZD6	TANJUG	YUG	nx		50	fd40
7610	2055	SUA231	MENA Cairo	EGY	E nx		75	pcG
7685	2155	RBV75	Moscow Meteo	RUS	wx		50	fd40
7760	2153	RGH77	Arkhangelsk Meteo	RUS	wx		50	fd40
7840	1830	RFF??	Unid	F	clg	ARQ E	72	pcG
"non-prot,g," message "MEB" circuit "FROM COMFAR AVANT RFFBWM..."								
7863	2133	BJZ21	Wuhan Meteo	CHN	wx		75	fd40
7959	2012	9BC23	IRNA	IRN	E nx		50	fd40
8049	2007	9BC25	IRNA	IRN	E nx		50	fd40
9133	1050	ZAT	ATA Tirana	ALB	ry		50	fd40
10215	1954	HZN48	Jeddah Meteo	ARS	wx		100	fd40
10873.7	2147	RVFI	FF Le Port	REU	idle	ARQ E-3	100	pcG
10895.5	always	MUH07	Unid	???	OP chats	Piccolo		pcG
11475	1940	HMF52	KCNA Pyongyang	KRE	E nx		50	fd40
11536	1935	HMF49	KCNA Pyongyang	KRE	F nx		50	fd40
13366	2150	5YD	Nairobi Air	KEN	id		50	pcG
13457.5	1845	CNM49	MAP Rabat	MRC	nx		50	fd40
13515	1018	MKD	RAF Akrotiri	CYP	foxes		50	fd40
14508	1834	D4B	Sal Air	CPV	ry		50	fd40
14764	2034	A9M70	GNA Manama	BHR	press		50	pcG
14846	2028	5YD	Nairobi Air	KEN	ry		50	pcG
14880	1646	JMG4	Tokyo Meteo	J	5-fig gps		50	pcG
14880	1825	JMG4	Tokyo Meteo	J	wx, id JMG441		50	fd40
14936	2000	NNN0NIK	MARS Mayport, FL	USA	marsgrams	SIT A	100	pcG
14964	0849	RFFX	FF Paris	F	msg	ARQ E-3	72	pcG
14989	1711	TNL	Brazzaville Meteo	COG	aero tfc	ARQ 342	96	pcG
15647	1721	RFTJF	FF Port Bouet	CTI	areo msg	ARQ E-3	48	pcG
16205	1820	MKR	RAF London	G	clg MTS	Piccolo		pcG
18230	0946	GFL25	Bracknell Meteo	G	wx		50	fd40
20308	1950	MTS	R Ny Port Stanley	FLK	OP chats	Piccolo		pcG
20410	1045		RUS or ANT Meteo	???	meteo	TORG-10		pcG
23310	1015		Unid	???	5-1t gps	ARQ6-90	200	pcG
23972	0853	JMG6	Tokyo Meteo	J	wx		50	fd40
17954	1308		Holy Quran	???	Hot mx			fd40

Q S L R E V I E W

ADM-Port Blair Air	65	PPC,L/\$,Fo f/up	8861	AVO2	1kw	fd40
ALS-MARS Elmendorf AB	19	PPC/	14441.5	NNN0XUZ	1kw	mo67
ALS-USCG Kodiak	16	C,L/\$ f/up	8628.5	NOJ		mm35
ANT-BAS Faraday	119	PPC,VC,I/Fo,\$	9106	ZHF44	1500w	fd40
ANT-BAS Halley Base	86	PPC,L/Fo,IRC	9106	ZHFZ	1kw	fd40
ANT-BAS Halley Base	394	PPC,L/\$	9106	ZHFZ	1kw	mm35
ANT-BAS Halley IV	142	PPC,L,St/IRC,VC	9106	VSD/ZHFZ	1kw	dp41
ANT-SAAM Base Vostok	269	PPC,St/IRC,VC,Fo	13385	RKIS	1kw	dp41
AUS-US Ny Exmouth	37	PPC,I/	12867	NWC	3kw	mo67
AUS-US Ny Exmouth	38	PPC,L,Souv/IRC,VC	12867	NWC	3kw	dp41
AUT-NDB Bruck	8	PPC/RP	408	"BRK"		hb32
B -Bel,m Air	245	PPC,L,St/via Rio	8855		1kw	dp41
B -DHN Abrolhas	46	PPC/IRC,VC,Fo	7964	PWF77	125w	dp41
B -DHN Moela Santos	46	PPC/IRC,VC,Fo	7964	PWS55	125w	dp41
B -DHN Mostardas	46	PPC/IRC,VC,Fo	7964	PWQ55	125w	dp41
B -DHN Santa Marta	46	PPC/IRC,VC,Fo	7964	PWY88	125w	dp41
B -Manaus Air	245	PPC,L,St/via Rio	8855		1kw	dp41
BEL-NDB Charleroi-Gosseliers	7	PPC direct	389	"CC"	100w	mo67
BUL-Burgas R.	40	PPC,L/via Varna	8564	LZL	10kw	dp41
BUL-PTT Sofia	33	PPC,L,VC/IRC,VC..	8054.4	LZA2	15kw	dp41
BUL-Ruse R.	40	PPC,L/via Varna	6519	LZR	5kw	dp41
BUL-Sofia Meteo	33	PPC,L,VC/via PTT	11062.7	LZU2	5kw	dp41
BUL-Varna R.	40	PPC,L/IRC,VC,Fo	8460	LZW	10kw	dp41
CAN-Cap-aux-Meules CGR.	22	L/RP	2749			hb32
CAN-NDB Wiarton,ONT	448	PPC direct	326	"VV"	250w	moUS
CAN-Quebec CGR.	168	PPC,I,St,books/..	2182	VCC	400w	dp41

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CNR-NDB Fuerteventura	35	PPC,I/RP,Fo	397	"FV"	25-100w	fdCNR
CNR-NDB Hierro	22	PPC,L/RP	376	"HR"	150w	fdCNR
CNR-NDB La Palma	44	PPC/Fo,RP	389	"BV"	150w	fdCNR
CNR-NDB Tenerife/Sur	17	PPC/RP	317	"TES"	100w	fdCNR
COM-Moroni Air	52	C,PPC/	8879		6kw	mo67
CPV-NDB Amilcar Cabral	27	PPC/,\$,Fo	274	"SAL"	1kw	fdCNR
D -NDB Mengen	4	PPC direct	401	"MEG"	50w	mo67
D -NDB Munich	30	PPC	358	"MNE"		mo67
D -NDB Munich	30	PPC	385	"MSE"		mo67
D -NDB Munich	30	PPC	400	"MSW"		mo67
D -NDB Roding	30	PPC via Munich	352	"RDG"		mo67
D -NDB Speyer	20	PPC direct	350	"SPM"		mo67
D -NDB Sulz	14	PPC via Stuttgart	353	"SUL"	100w	mo67
DNK-DNK Ny Aarhus	30	PPC,QLS-L,IRC back	2357	OVA		dp41
DNK-NDB Skagen Lt.	27	PPC,VC direct	298.5	"SW"	100w	mo67
DNK-NDB Skive	4	L,PPC/	389	"HY"	50w	ua58
DNK-NDB Skive	35	PPC direct	335	"SV"	30w	mo67
DNK-NDB Skive	35	PPC direct	389	"HY"	50w	mo67
DNK-NDB Skrydstrup	10	PPC direct	321	"SP"	40w	mo67
EGY-MENA Cairo	28	PPC/RP via Paris	7610			hb32
F -NDB Bordeaux	43	PPC,I/	393	"BD"	10w	ua58
F -NDB Cap Ferret Lt.	13	PPC,L,VC/IRC back	286.5	"FT"		ua58
F -NDB Luxeuil	28	n/d L/	363.5	"LXI"		ua58
F -NDB Pointe d'Ailly Lt.	11	PPC,VC/	303.5	"AL"	25w	ua58
F -NDB Toulouse	82	PPC/RP,Fo	415	"TOE"	25w	fd40
F -Saint Lys Air	354	L/RP	13351			mm35
FAR-DNK Ny Torshavn	10	PPC/IRC,VC,Fo	11435	OVL	400w	dp41
FAR-DNK Ny Torshavn	39	PPC,L,badge/IRC..	11435	OVL	400w	dp41
FNL-NDB Kangasniemi	14	PPC via C Ads	331	"KAN"	500w	mo67
FNL-NDB Kruunupyy	20	PPC/	388	"KRU"	150w	ua58
FNL-NDB Kruunupyy	45	PPC direct	411	"M"	100w	mo67
FNL-NDB Mariehamn	14	PPC/\$ via Hels	392	"GDY"	300w	fd40
FNL-NDB Mikkelii	16	PPC direct	374	"S"	50w	mo67
FNL-NDB Oulu	14	PPC/\$ via Hels	350	"LAA"	500w	fd40
FNL-NDB Oulu	15	C,L/RP	350	"LAA"		hb32
FNL-NDB Oulu/Laanila	13	PPC,L direct	350	"LAA"	500w	mo67
FNL-NDB Pakka	14	PPC via C Ads	368	"PAK"	500w	mo67
FNL-NDB Turku	14	PPC/\$ via Hels	389	"RK"	300w	fd40
FNL-NDB Utti	14	PPC/\$ via Hels	340	"KAI"	500w	fd40
FNL-NDB Ylivieska	33	PPC,I/RP	393	"HAP"		hb32
G -Forth CGR.	12	PPC,St/IRC,VC,Fo	2182		200w	dp41
G -LDOC Britannia Air Luton	10	PPC,L,Fo/\$ back	11363		1kw	mm35
G -LDOC Monarch Air Luton	12	PPC,L,Fo/\$ back	11363		5kw	mm35
G -NDB Berry Head	18	PPC,Ham-C/	318	"BHD"	100w	mo67
G -NDB Flamborough Head Lt.	9	PPC,VC,I package	302.5	"FB"		mo67
G -NDB Kirkwall	8	PPC/RP	395	"KW"		hb32
G -NDB Kirkwall	10	L,PPC/	395	"KW"		mo67
G -NDB Sumburgh	21	PPC,Ham-C/Fo,RP	351	"SUM"	100w	fd40
G -NDB Sumburgh	411	PPC/	351	"SUM"	100w	ua58
G -NDB Talla	9	PPC,Ham-C via Glasg	363	"TLA"	60w	mo67
G -RAF Rescue Leeming	18	L,PPC/	5680	Alpine	24	mo67
G -RAF Rescue Leuchars	9	L,PPC/RP	5680	Alpine	22	hb32
G -RAF Rescue St.Athan	6	L,PPC/RP	5680	Alpine	95	hb32
G -RAF Rescue St.Athan	9	PPC/	5680	Alpine	95	mo67
G -RAF Rescue Valley	15	L,PPC/	5680	Alpine	21	mo67
G -RAF Rescue Valley	17	PPC/RP	5680	Alpine	21	hb32
G -Rescue 131	7	PPC no det./	5680			mo67
GRC-Dimokritos Air	22	L,PPC direct/	5637		125w	mo67
GRC-Iraklion R.	45	PPC,VC/IRC,VC,Fo	2182	SVH	1kw	dp41
GRC-Karpathos Air	110	PPC/RP	5637			hb32
GRC-Limnos R.	70	PPC,VC/IRC,VC,Fo	2182	SVL	1kw	dp41
GRC-NDB Ioannina	29	PPC direct/	340	"IOA"	100w	mo67
HNG-NDB Jaszbereny	14	PPC via Budapest	517	"JBR"	100w	mo67
HRB-NDB Losinj	44	PPC via Pula	432	"LOS"	100w	mo67
HRB-NDB Pula	44	PPC direct/	351.5	"PLA"	100w	mo67
I -Lampedusa R.	18	PPC/IRC,VC,Fo	2182	IQN	1kw	dp41
I -NDB Cagliari/Elmas	12	L,I direct	371	"CAG"		mo67
I -NDB Punta Penna Lt.	12	PPC direct	314.5	"TL"	100w	mo67

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I -NDB Rocca Imperiale	38	PPC/RP	383.5	"IMP"		hb32
I -NDB Torino/Caselle	14	L,PPC direct	357	"CAS"	100w	mo67
I -Palermo R.	38m	1.PPC,26m 2.PPC..	2182	IPP	1kw	dp41
I -San Benedetto del Tronto R.	22	PPC,VC/IRC,VC,Fo	2182	IQP	500w	dp41
IWA-Arbroath Lifeboat	39	C,PPC/RP	2182			hb32
IWA-G Ny Vessel Donau	297	PPC,Fo.copy/RP..	10197	DRHP	1kw	dp41
IWA-G Ny Vessel Hamburg	64	PPC,St,L/IRC,VC	10192.5	DRAA	1kw	dp41
IWA-G Ny Vessel Reiher	7	PPC,Fo/RP,VC,Fo	6779	DRBS	100w	dp41
IWA-HMS Andromeda	21	PPC,Poster/	2182	GSXU	200w	mo67
IWA-HMS Blackwater	44	PPC,L,Fo,I,St/IRC	6647	GDKK	100w	dp41
IWA-HMS Leeds Castle	45	PPC,L,St,I/IRC..	6647	GBBE	100w	dp41
IWA-HMS Roebuck	52	PPC,Fo,L,I/IRC..	5680	GCYB	200w	dp41
IWA-Johannes Frederick Lb.	75	PPC,I/RP,Fo	2182	PFYZ	150w	fd40
IWA-MV (Ferry) Ciudad de Palma	21	C,PPC/RP	2182	EGYP		hb32
IWA-MV Castoro	33	PPC/RP	2182	C6DF4		hb32
IWA-MV Grampian Highlander	428	PPC/RP	2182	MMEW4	400w	fd40
IWA-MV Komandor Sub-Sea (Survey)	140	PPC,L,I/Fo,RP	2182	GHFF	750w	fd40
IWA-MV Stena Seawell	12	PPC/	2182	GGXE	800w	mo67
IWA-NDB Platform Cormorant A	16	PPC,I/	347	"CD"		ua58
IWA-NDB Platform Ula	17	PPC/	380	"ULA"		ua58
IWA-Platform Piper B	25	L,I,PPC/RP	2182	GUVR		hb32
JOR-PETRA Amman	52	PPC/IRC,VC,Fo	5055	JYF6	5kw	dp41
LVA-Riga R.	100	f/d R.Riga C, Pennt16997		UDH		ua58
MWI-Lilongwe Air	53	PPC/Fo,IRC	8879		1kw	fd40
MWI-Lilongwe Air	56	PPC/	8879		1kw	mo67
NOR-NDB Faerder Lt.	26	PPC/	287.5	"FR"	100w	mo67
NOR-Oerlandet R.	35	PPC/	2182	LFO		mo67
NOR-Oerlandet R.	342	PPC/IRC,VC,Fo	2182	LFO		dp41
POL-NDB Katowice	17	PPC via C Ads	285	"PT"	1kw	mo67
POL-Witowo R.	38	PPC/\$	2182	SPS/SPN		hb32
POL-Witowo R.	53	PPC,VC/IRC,VC,Fo	2182	SPN	1kw	dp41
S -Helicopter 583, Malm"	18	PPC,L,St/RP	5680			hb32
S -NDB Zngelholm	11	PPC/	417	"AH"		ua58
S -NDB Almagrundet Lt.	28	PPC via Norrk"ping	286.5	"AL"	200w	mo67
S -NDB Borl,nge	51	PPC,C,I/dir	421	"BL"	100w	mo67
S -NDB Falsterborev Lt.	28	PPC via Norrk"ping	303	"FV"	200w	mo67
S -NDB Halmstad	8	PPC direct	421	"HS"	50w	mo67
S -NDB Hultsfred	25	PPC direct	376	"LN"	100w	mo67
S -NDB Karlskoga	333	PPC/	326	"KK"	10w	ua58
S -NDB Kristianstad	6	p/d PPC/	375	"KD"		ua58
S -NDB Malm"/Sturup	10	PPC,busi-C,St/	420	"SS"	100w	ua58
S -NDB Stockholm/Arlanda	11	PPC/	348	"WA"		mo67
S -NDB V,,xj"	36	L/Fo,\$	329	"VX"	200w	fd40
S -NDB V,,xj"	36	L/Fo,\$	349	"JX"	200w	fd40
S -NDB V,,xj"/Kronoberg	17	PPC direct	329	"VX"	100w	mo67
SLK-NDB Jelsava	18	PPC via Bratislava	489.5	"JEL"	100w	mo67
SLK-NDB Poprad	18	PPC via Bratislava	438	"PE"	100w	mo67
SLK-NDB Sturovo	18	PPC via Bratislava	378	"OKI"	100w	mo67
SOK-BAS Signy Base	147	PPC/IRC,VC,Fo	9106	ZHF33	750w	dp41
SUI-NDB Geneva	15	PPC/	320	"GLA"	25w	ua58
SUI-NDB Geneva (Versoix)	366	PPC,C/	378	"OG"	25w	ua58
SUI-NDB Gland	882	PPC/IRC back	320	"GLA"	25w	fd40
SUI-NDB Lugano/Agno	882	PPC/IRC back	403	"LUG"	25w	fd40
SUI-NDB Versoix	882	PPC/IRC back	378	"OG"	25w	fd40
TCD-N'Djamena Air	24	PPC/IRC	8903			hb32
TRD-NDB Crown Point	570	PPC,L/Fo,RP	323	"TAB"	62w	fdVEN
UKR-MGSS Aggstein (DDSG)	126	F,PPC/RP	4000			hb32
USA-WFLA Tampa Feeder	22	C,I/Fo,1\$	25870	KPM360	100w	fd40
VTN-Ho-chi-Minh Ville R.	36	L,PPC,business-C/13041.3		XVS	1kw	mo67

ADDRESSES / VERIE - SIGNERS

Varna Radio LZW: 1, Primorski Blvd., 9000 Varna, Bulgaria
 PTT Sofia: Republic of Bulgaria, Committee of Posts and Telecommunications,
 R.Petkov, Expert Telecoms, 6 Gourco Str., PO Box 1352, 1000 Sofia
 V/s Palermo Radio: N.Giordano
 HMS Blackwater GDKK: Lieutenant J.A.Gray, HMS Blackwater, BFPO 230, London

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G Ny Vessel Hamburg DRAA: H.Brgmann, Krderstrasse 29/01, D-W-2940
Wilhelmshafen, Fernmeldeabschnitt, Germany
Lampedusa Radio IQN: Il Dirigente della Stazione Radio Costiera P.T.
Lampedusa, Meli Giusto (V/s), I-92010 Lampedusa, Italy
US Ny Exmouth NWC: V/s RM1 Heather A. McIntosh/KB6FWW
Witowo Radio SPN: Radiokomunikacyjny Osrodek, Nadawczo-Odbiorczy "Witowo
Radio" w Jaroslawcu, Inz. Kazimierz Gubanski, PL-76-107 Jaroslawiec, Poland
(tnx to dp41)

V/s Hatschi-Minh Ville R. XVS: Nguyen Minh Long, Director
V/s NDB Kirkwall "KW": W.L. Wilson, Engineering Manager
V/s MARS Elmendorf NNNOXUZ: TSGT Edward B. Lutheran
V/s NDB Skrydstrup "SP": N.C. Jensen, Seniorsergent
V/s NDB Mikkeli "S": Timo Tenhanen, OH4NQK (tnx to mo67)

NDB Kruunupyy "KRU": Erik Nyberg, ATC-Manager, Air Traffic Control, SF-68500
Kruunupyy, Finland

A few addresses for the british "Alpine" stations (Mountain Rescue Team) via
hb32:

Alpine 21: RAF Valley, Holyhead, Gwynedd LL65 3NY, Wales
Alpine 22: RAF Leuchars, Saint Andrews, Fife KY16 0JX, Scotland
Alpine 23: RAF Kinloss, Kinloss, Scotland
Alpine 24: RAF Leeming, Northallerton, North Yorkshire DL7 9NJ, England
Alpine 95: RAF Saint Athan, Barry, South Glamorgan, Wales

V/s N'Djamena Air is Jean-Pierre Volembini (Chef de Maintenance). Report sent
direct, reply from France. V/s has also got an address there: 35 rue M,lican,
F-31330 Grenade, France (tnx hb32)

LIAT Nevis: The Airport Manager, c/o LIAT, Newcastle, Nevis, West Indies
Port Blair Air: Md. Manzoor Ali, Senior Tech Officer, Aero Communication
Station, National Airports Authority, P.O. Haddo, Port Blair, South Andaman
744102, Andaman & Nicobar Islands, India
NDB La Palma "BV": Agapito Montero Martin (EA8EY), Calcinas 23, E-38700 La
Palma, Canary Islands
NDB Fuerteventura "FV": Rafael Perez Rodriguez, C/. Colon 75, Puerto del
Rosario, E-35600 Fuerteventura, Canary Islands
NDBs Tanger/Boukhalf: Commandant de L'A,roport de Tanger/Boukhalf, Tanger,
Morocco (tnx fd40)

I N F O S

A few chapters from the never ending story "closed for good":
SAAM Leningradskaya Base UMA4 closed in 1991
SAAM Russkaya Base UDR3 closed in 1990 (dp41 via M.Fokin)
NDB Versoix ("OG") in Oct 1992 (ua58)
German Navy Sub-chasers "Hermes" and "Triton" went out of service 10th August
1992 (ws23)

To nr75: As you can see from the NDB logs your "Kapodistria" from NL 1/93 is
Kerkyra "Ioannis Kapodistrias".

To ws23: 9AR is Rijeka Radio, Croatia

Some changes in the MWARA-frequency network, effective 1st January 1993:

NAT-A	3016,	5598,	8906,	13306,	17946		
NAT-B	2899,	5616,	8864,	13291,	17946		
NAT-C	2872,	5649,	8879,	13336,	17946		
NAT-D	2971,	4675,	8891,	11279,	13291,	17946	
NAT-E	2962,	6628,	8825,	11309,	13354		
NAT-F	3476,	6622,	8831,	11336			
CAR-A	2887,	5550,	6577,	8918,	11396,	13297,	17907
CAR-B	3455,	5520,	6586,	8846,	11387,	17907	

(tnx mm35)

mm35 would like to bring to your attention the following: He collects datas of
Police, Fire Depts., Ambulance, Search & Rescue a.s.o. on 2 and 4 metres.

UTNL1993

Anyone with infos should contact Michael Marten, Groáeelheimer Strasse 8a, D-W-3550 Marburg/Lahn, FRG. In exchange he offers a complete list of those services for the country of Hestia and some hundred of listings from other German countries (excl. the new ones) printed or on discette.

Report from fmI: UNHCR in ex-Yugoslavia: I monitored 6475 and 7395 during daytime and 3830 in the evenings; mode is SIT-A. Selcals are: Belgrade HCYB, Zagreb HCYZ, Sarajevo HCYS. Call for Zagreb is 4UY23. ICRC in ex-Yugoslavia is using 6996-6998 for voice (USB or LSB) and 6999.5 for SIT-A traffic (tnx very much Fabrizio for this interesting stuff!)

Last but not least a hearty welcome to our two new members ua58 from Hagen and to ao from Japan. Wish you a nice time with the NL!!!

I received payment from rb61, mm35, and ht43. For 2/93 I received payment from fgI. For 3/93 cb/S and jwA are still due, for 4/93 rbNL, pb40, fmI, kjs and koCH.

For this issue I have to thank the following: mm35 (tnx ur foto), zeTC, ai41, ht43, fmI, fd40, pcG, ua58, mo67, ws23, dp41 and hb32. Keep the material rolling!

Hi there! As I don't have too much time left this month for compiling the NL (Semester has started with a lot of new students here at the Institute) the "outfit" of this issue is rather heterogenous but nevertheless with interesting stuff:

NON DIRECTIONAL BEACONS

357.5	2220	FAL	Falconara	I id	hb32
357a	2205	NRG	Unid	? id	hb32
394	0331	LYE	Lbeck/Blankensee	D id	ws23
424	2351	FE	Rome ?	I id	ws23
428	2245	TGM	Tirgu Mures	ROU id	hb32

MARITIME

2182	1652		HRMS Middleburg	IWA E clg Netherlands CG	hb32
2639	2321	SPS	Witowo R.	POL cw/sitor	ws23
2696.7	2310	GLD3	Land's End R.	G cw/sitor	ws23
2832.7	2257	GNK1	Wick R.	G cw/sitor	ws23
3517	1950	GNI1	Niton R.	G cw/sitor	ws23
3607.3	2201	GKZ1	Humber R.	G cw/sitor	ws23
3607.8	2220	GHD2	Hebrides R.	G cw/sitor	ws23
8425.5	2035	HEC	Bern R.	SUI cw/sitor	ws23
8461	0030	CBA	Antofagasta R.	CHL cw-cq	ws23
8461	2210	CBA	Antofagasta R.	CHL cw-cq	hb32
8474	0457	JYO	Aqaba R.	JOR cw-cq	ws23
8474	0503	HCG	Guayaquil R.	EQA cw-cq	ws23
8539	2032	VPS35	Hongkong R.	HKG cw-cq	fd40
8570	2018	NRV	USCG Apra Harbor	GUM cw-cq	fd40
8589	0110	HPP	Intelmar R.	PNR cw-cq	ws23
8604.5	2003	DZJ	Bulacan R.	PHL cw-cq	fd40
8616.5	1953	LYL	Klaipeda R.	LIT cw-cq	fd40
8632	1948	XSW	Kao-Hsiung R.	TWN cw-cq	fd40
8646	1944	VTP6	IND Ny Visakhapatnam	IND cw-vvv	fd40
8653.6	1932	JCS	Choshi R.	J cw-cq	fd40
8691	1920	XST	Quingdao R.	CHN cw-cq	fd40
8706	1910	JOS	Nagasaki R.	J cw-cq	fd40
12662	0142	CBV	Valparaiso R.	CHL cw-vvv	ws23
12712	1942	HLW3	Seoul R.	KOR cw-cq	ws23
12867	1800	NWC	USNy Exmouth	AUS cw-wx relay NRV	hb32
12867.8	1847	NRV	USCG Apra Harbor	GUM cw-cq	ws23
12869	0232	WNU54	Slidell R.	USA cw-cq	ws23

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12889	0530	NMO	USCG Honolulu	HWI	cw-cq		ws23
13002	0545	KPH	San Francisco R.	USA	cw-vvv		ws23
13055	0400	LSA	Boca R.	ARG	cw-vvv		ws23
16851	1000	UON	Baku R.	AZB	cw-wkg		hb32
17184.5	1720	KFS	San Francisco R.	USA	cw-cq		fd40

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

5680	1503		Pluto 1	IAI/IWA?	clg	Ijmuiden	hb32
8918	2230		Boyeros Air	CUB	S	wkg a/c	hb32
13327	1320		LDOC Iberia Madrid	E	S	wkg a/c	hb32

F I X E D B A N D S

3887	0640	AEM1BJR	MARS Unid	D	E	wkg AEM1USA	hb32
3887	0645	AEM1TE	MARS Unid	D	E	wkg AEM1USA	hb32
3887	0649	AEM1MT	MARS Unid	D	E	wkg AEM1BJR	hb32
4925	2330	FDC	F Army Metz	F		cw-vvv	hb32
7450	2358	ZHF2	BAS Halley	ANT	E	wkg Faraday	fd40
7450	2358	ZHF44	BAS Faraday	ANT	E	wkg Halley	fd40
7850	2251	ZOD1	Police Dominica	DMC	E	clg ZOM	hb32
7850	2326	Z1EB	Unid	?	E	clg ZOD1	hb32
9106	2357	ZHF44	BAS Faraday	ANT	E	wkg, then qsy 7450	fd40
20936	1504	NNN0TWT	MARS Unid	USA	E	wkg NOCCY	hb32

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

3196	1935	OKLA	Prague Meteo	TCH	wx		50 ws23
4002	1915	YRRO	Bucarest Meteo	ROU	wx		50 ws23
4582	1820	EIDB	Dublin Meteo (Shannon?)	IRL	wx		50 ws23
4583	2043	DDK2	Slowborn Meteo	D	wx		50 ws23
5140	1839	RUMS	Moscow Meteo	RUS	wx		50 ws23
6371	2128	GYU	RNY Gibraltar	GIB	wx		75 ws23
13366.5	1947	5YD	Nairobi Air	KEN	wx, id:KVA		50 fd40
13510	1945	CFH	CF Halifax	CAN	wx		75 fd40
17550.9	1740	RFTJF	FF Port Bouet	CTI	5letter gp	ARQ-E3	192 fd40
18040	1244	TCY4	AA Ankara	TUR	TUR	nx	50 fd40
19386.7	1555	RFQP	FF Djibouti	DJI	Sport msg	ARQ-M2	96 fd40
19865.5	1542		TAP Tunis	TUN	S	nx	50 fd40
20113.2	0920		PTT Kerguelen	KER	F telex	ARQ-E3	96 fd40
20473	1954	CXR	URG Ny Montevideo	URG	id		75 fd40
20500.6	1105		DPA	D	G	nx FEC100	96 fd40
20560	1629		JANA Tripoli	LBY	E	nx	50 fd40
20633.6	1505	RFVI	FF Le Port	REU	F pers.msg	ARQ-E3	100 fd40
20805.2	0811	RFQP	FF Djibouti	DJI	id	ARQ-M2	200 fd40
20964	1515		Unid Embassy	?	TUR	msg FEC-A	144 fd40
23124	1239		MFA Belgrade	YUG	SER	to Brasilia	75 fd40
24370	0947	P6Z	MFA Paris	F	id	FEC100	192 fd40

Now over to an again very thin QSL-review:

Q S L R E V I E W

ATG-LDOC LIAT V C Bird	139	PPC/\$	5568	hb32
tnx to nr75 to whom they sent the PPC....				hb32
E -NDB Albacete	15	PPC/RP f/up	321	"ABT" hb32
IWA-MV Ferry Pomerania	85	C, PPC, I/-	2182	SQJF hb32
NOR-Oerlandet R.	79	PPC/RP 4th try	2635	LFO hb32
RUS-TS Irkutsk	44	L, C/\$	10004	RID hb32
SLK-NDB Bratislava	65	L, PPC/IRC	391	"OKR" hb32

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

NDB Lbeck "LYE": Luftaufsicht Lbeck, Blankenseestr.101, D-2400 Lbeck, Germany
 GRC Ny Holargos SXA: Hellenic Navy General Staff, CCCIS Division, Holargos, GR-Athinai, Greece (ws23)

I N F O S

Two questions from ws23: To which station does callsign "UJQ" belong? Is there anyone, who has experience with multimode decoder "Universal M-8000"? Willi would like to have infos on that, because he wants to buy one.

hb32 would like to have the address of Baku Radio UON, AEM1MT and AEM1TE.

Call for help from pcG cf. french military stations like the FF in Africa (FEC,ARQ aso.): "The French Military are a problem - how to know their locations from their 3-letter id, e.g. 'MEB'. The routing indicators (RFFBBC... etc.) and the 'from and to' locations - all make for a lot of confusion at times. Maybe someone could write a clear article explaining it all?" Anyone capable?

Info to Flavio from Italy: I did receive your payment already in the beginning of March and I sent you the NL as usual. Seems to be rather a case of slow mail or so.

Hi! Nice to meet you all, active or inactive. Nothing to say, over to the logs:

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

281	0233	JT	Perth/Janakot	AUS id	pcPE
400	0230	PH	Perth	AUS id	pcPE

M A R I T I M E

2201	0753	VIS	Sydney R.	AUS E clg	Vandenburg	pcME
4270	0852	FUJ	F Ny Noum,a	NCL	cw-vvv	pcME
4277	0700	ZLW	Wellington R.	NZL	cw-de	pcME
4426	1306	VID	Darwin R.	AUS E clg		pcSY
4426	2133	VIM	Melbourne R.	AUS E wx &	tfc list	pcME
6383	0702	NMC	USCG San Francisco	USA	cw-cq	pcME
6393.5	1205	VHI	R AUS Ny Darwin	AUS	cw-vvv	pcSY
6493	0734	VAI	Vancouver CGR.	CAN	cw-cq	pcME
6507	2137	VIM	Melbourne R.	AUS E wx &	tfc list	pcME
6507	2335	VIP	Perth R.	AUS E wx		pcME
8176	0800	VIS	Sydney R.	AUS E		pcME
"Listening for any calls - this frequency..."						
8445	1250	PKK	Palembang R.	INS	cw-cq	pcSY
8506	1627	UDH	Riga R.	LVA	cw-cq	rb61
8542	0300	PKX	Jakarta R.	INS	cw-cq	pcPE
8686	0800	CNP	Casablanca R.	MRC	cw-cq	pcME
8690	0646	3DP3	Suva R.	FJI	cw-cq	pcME
8698	0206	9MG2	Penang R.	MLA	cw-qtc	pcPE
12700	2351	3DP3	Suva R.	FJI	cw-cq	pcME
12704.5	1231	PKD	Surabaya R.	INS	cw-cq	pcSY
12864	1631	XSW	Kaohsiung R.	TWN	cw-cq	rb61
12867	0350	NWC	US Ny N.W. Cape	AUS	cw-wx	pcPE
13010	0710	UQA4	Murmansk R.	RUS	cw-4LS mkr	rb61
13011	0211	WNU	Slidell R.	USA	cw-cq	pcPE
13020.4	0210	VPS	Hongkong R.	HKG	cw-vvv	pcPE
13033.5	0209	WCC	Chatham R.	USA	cw-cq	pcPE
13041.5	0208	XVS	Ho-chi-Minh R.	VTN	cw-cq	pcPE

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13054	0207	JDC	Choshi R.	J	CW-cq	pcPE
13062	0200	CLA32	Habana R.	CUB	CW-cq	pcPE
13076.5	0915	JNA	Tokyo R.	J	CW-cq	pcSY
16957.7	0205	FUJ	F Ny Noum,a	NCL	CW-vvv	pcPE
16959	0221	FUM	F Ny Papeete	OCE	CW-vvv	pcPE
16990	0228	HLO	Seoul R.	KOR	CW-cq	pcPE
17053	0230	XSX	Keelung R.	TWN	CW-cq	pcPE

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

3016	0451		Viasa VIA7708	AIR	E wkg Santa Maria	wk98
3016	0500		Aeromexico AMX448	AIR	E wkg Shanwick	wk98
5360	0925	VJQ	RFDS Kalgoorlie	AUS	E msgs	pcPE
C/s heard: VLW28, 8WSD and 8WRZ. Closed down at 1000 until 0800 local.						
5598	0455		Air Libert, LIB962	AIR	E wkg Gander	wk98
5604	0430		Rainbow R.	CAN	E wkg Delta148	wk98
6550	1700		Coast Guard Center	USA	E wkg CG 03	bg20
6640	0115		Unid a/c ROY166	AIR	E wkg ARINC New York	wk98
6647	1441		MAFF Base	G	wkg Quatschdog 91	rb61
6745	1610	IDR	I Navy Rome	I	wkg	bg20
6817	1340	"SAM973"	USAF VIP	IAI	E wkg	bg20

US-Foreign Minister talking to Oval Office/President Clinton cf. results of the Yugoslavia conference...

8165	0510	VNZ	RFDS Port Augusta	AUS	E msgs	pcME
8861	1714		Canarias Control	CNR	E wkg Dakar	rb61
8867	0502		Auckland Control	NZL	E wkg Singapore7296	wk98
8867	0516	VH-TBS	Unid a/c	AIR	E wkg Auckland	wk98
8867	0523		Ansett AAA515	AIR	E wkg Sydney	wk98
8867	0728		Nadi Air	FJI	E wkg QF50&QF17	pcME
8867	0730		Sydney Air	AUS	E wkg QF46	pcME
8867	2330		Auckland Air	NZL	E wkg "502"	pcME
8879	1037		Dominicana DOA222	AIR	E wkg Shanwick	wk98
8891	1549		Snoop 92	AIR	E wkg Shanwick	wk98
8900	0230		Perth Air	AUS	E wkg "MWC"	pcPE
8930	1833		Unid a/c LXR151	AIR	E wkg Stockholm	wk98
8960	0935	N164BA	Unid a/c	AIR	E wkg Portishead	wk98
10078	0535		LDOC Quantas Sydney	AUS	E wkg Quantas11	wk98
11176	1700		USAF Croughton	G	E wkg SAM973	bg20
11249	1700		Halifax Mil	CAN	E wkg	bg20
11255	1545	"2ZL"/"N8N"	US Navy	???	wkg	bg20
11300	0205		Unid a/c TYM1320	AIR	E wkg Cairo	wk98
11345	1533	G-POSN	Unid a/c	AIR	E wkg Stockholm	wk98
11396	1003		Bali Air	INS	E wkg Spiro508	pcPE
11396	1033		Perth Air	AUS	E wkg "QF7"	pcPE
13205	0837		TEA Italia TEI9705	AIR	E wkg Berna	wk98
13282	1100		Honolulu Volmet	HWI	E Volmet	bg20
18018	0723		RAF Upavon "Architect"	G	E Volmet	rb61
23142	1055	5N-CMB	Unid a/c	AIR	E clg Portishead	wk98
23285	0933	N21AZ	Unid a/c	AIR	E wkg Berna	wk98

F I X E D B A N D S

3830.9	1920	Victor	Unid	???	G (AUT) simpl tfc	rb61
6996	0600		ICRC Tuzla	BOS	wkg Zagreb	rvNL
6996	0606		Mobile 103	BOS	wkg Tuzla	rvNL
6996	0608		ICRC Split	BOS	wkg Zagreb	rvNL
6996	0625		ICRC Bihac	HRB	wkg Zagreb	rvNL
6996	0628		ICRC Mostar	BOS	wkg Mobile 246	rvNL
6996	0628		Mobile 246	BOS	wkg Mostar	rvNL
6996	0631		ICRC Zenica	BOS	wkg Mobile 100	rvNL
6996	0638		ICRC Banja Luka	BOS	wkg Zagreb	rvNL
6996	0645		ICRC Vojnic	HRB	wkg Mobile 165	rvNL
6996	0645		Mobile 071	BOS	wkg Banja Luka	rvNL
6996	0647		Mobile 76	BOS	wkg Mobile 165	rvNL
6996	0657		ICRC Zagreb	HRB	wkg Belgrade	rvNL
6996	0659		ICRC Belgrade	YUG	wkg Zagreb	rvNL
6996	0727		Mobile 166	BOS	wkg Tuzla	rvNL

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6996	0915		ICRC Sarajevo	BOS	wkg Zagreb		rvNL
6996	1133		Mobile 165	BOS	wkg Zagreb		rvNL
7565	0007	VJC	School of the Air Broken Hill	AUS	E classes		pcME
7792	0016		School of the Air	AUS	E classes		pcME
7999	0903		Unid	AUS	msgs abt drilling rig		pcPE
8150	0507		School of the Air	AUS	E classes		pcME
13820	1841	RVW55	R.Moskva Feeder	RUS	ISB Feeder		rb61
13960	1830		Unid	???	E (US) simpl patches		rb61
14483.5	2230	NNN0SNW	Unid MARS	USA	E wkg NOCUV		hb32
18351	1440	KWS78	US Emb Athens	GRC	cw-gra		rvNL
18990	1640		US Ny Balboa	PNR	S wkg R.Quito		rb61

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

3813	0705	HFVGM	LKA (Police) Kassel	D	msgs	ARQ-E2	72	rb61
6943	1027	HBK72	SKH (?) Zrich	SUI	net contr.	SIT		rb61
11120	1710	9VF36	PIAB Relais	SNG	G nx	FEC-A	96	rb61
13963	1822	HBD48	SUI Emb Riyadh	ARS	wkg Berne	SIT		rb61
14737	1402		CUB Emb Sanaa	YEM	wkg Habana		50	rb61
17138	0414	LYL	Klaipeda R.	LTU	cq ex URB2		50	rb61
18060.1	1202		MFA Warsaw	POL	E nx	POL ARQ		rb61
20805.3	1850		FF Djibouti	DJI	idling	ARQ-M2	200	rb61

RFDS = Royal Flying Doctor Service

OM pcG made a tour in Australia (pcPE = Perth, pcSY = Sydney, pcME = Melbourne)

Q S L R E V I E W

AIR-Albanian ABW214	25	PPC,L,I/	11345	OE-LLI	150w	wk98
AIR-Condor CFG2432	31	PPC/RP	10078	D-ABND	400w	wk98
AIR-Crossair CRX552	17	PPC	126.70	HB-AHR	16w	wk98
AIR-GNY Nordholz Rescue 61&16	77	PPC,L,I,2St/RP	5680	61&16	400w	wk98
AIR-Heli "Quintus 96",Roenneby	22	PPC,I/-	5680			hb32
AIR-Interot IRT778	24	PPC,L,2VC/RP	121.10	D-BIRT	20w	wk98
AIR-Scandinavian SAS996	30	PPC	8930	SE-DKX		wk98
AIR-Swissair SWR107	10	PPC,L	10069	HB-IWF	400w	wk98
BUL-NDB Vakarel	45	PPC/1\$	490	"WAK"		hb32
E -NDB Cabo Mayor Lt.	14	PPC/RP f/up via Mad	296.5	"MY"		hb32
E -NDB Mahçn Lt.	14	PPC/RP	291.9	"MA"		hb32
G -Prestwick Air Datalink	7	L,PPC/RP	7485	GJP	500w	hb32
I -NDB Falconara	24	PPC/RP	357.5	"FAL"		hb32
JOR-PETRA Amman	17	PPC/IRC f/up	6850			hb32
USA-Townsend Fire Dept.	43	PPC,busy-cd/RP	33700		100w	hb32

I N F O S

Look for a feeder on 25322.5 until 1000 UTC with a program for the Australian forces abroad (cw34)

Prestwick/Shanwick Aero Datalink ist a new link from there to Iceland. The transmissions (24h a day) are encoded, on two frequencies (one for Shanwick, the other one for Iceland): 7485, 7954, 7715, 7718 or 5108, 4930, 5027, at daytime also 10604, 10399 and 10993. Iceland transmits with 10kw, Shanwick with 500w. Iceland mostly has the stronger signal. Reports are welcome (Info from Duncan McArthur, Manager Air-Ground, Shanwick Air via hb32).

B O O K S

I have got a bunch of new books from Siebel Verlag in Meckenheim. I would like to present the first of these now:

Nils Schiffhauer: "Scanner - UKW Sprechfunkempfänger, Informationen, Testberichte", Meckenheim 1993

The book, which is written entirely in German, focusses on FM-scanning outside the normal broadcasting bands and is tailored to the situation in Germany, where the reception of these stations is still, to say the least, esoteric. The book is divided in four main chapters:

(1) The author starts with an introduction to the field of FM-scanning. Questions discussed are: What is a scanner?, which stations can be found in the FM spectrum? (Broadcasting stations, TV, Amateur Radio, Weather-, Timesignal- and Navigation Satellites, Police a.s.o.). These are short descriptions of roughly half a page with a longer article dealing with Amateur Radio. Finally the author takes a look at the physical aspects of FM reception (propagation).

(2) The second chapter is on Receivers and Antennas, which gives practical hints for those who want to buy a scanner system. Attention is drawn to differences in frequency range, memory channels, automatic scan functions, band width, sensitivity, the problem of good handbooks and prices. Last but not least the legal aspects of buying and using a scanner are discussed.

(3) The third chapter has a focus on the best antennas for scanning the FM-range. All relevant antennas are considered (telescopic, discone, log-periodic, active a.s.o.).

(4) The largest chapter is on test reports of scanner models. To each report a photo and the technical details are supplied. Nearly all models currently available are covered like those of Sony, Bearcat, Realistic Uniden or AOR.. The chapter concludes with a warning for those, who may consider to buy a "super-cheap" receiver.

All in all one can say that this book of 140 pages is a most informative guide for avoiding traps not only because the author is didactically skilled but also because each single article displays the first-hand practical knowledge of the author.

The book costs 24.80DM and can be obtained from Siebel-Verlag Leserservice, Auf dem Steinbchel 6, D-5309 Meckenheim, Germany.

Hi folks! I am happy to say that you gave me a lot of work to do this time:

NON DIRECTIONAL BEACONS

201	1545	PB	Prachinburi	THA	id	nr2
230	1550	KT	Korat	THA	id	nr2
260	1445	OI	Pangkalpinang	INS	id	nr2
260	1550	OH	Unid	???	id	nr2
265	1545	SJ	Sin Jon	SNG	id	nr2
276	0900	KK	Bangkok	THA	id	nr1
282	1455	PK	Pekan	MLA	id	nr2
283	0451	SF	Sandefjord	NOR	id	hbDK
285	1430	RS	Rosario	PHL	id	nr2
293	1908	BK	Bangkok	THA	id	nr1
298.5	0455	SW	Skagen Lt.	DNK	id+dash	hbDK
305.5	0804	GR	Gedser Lt.	DNK	id+dash	nr22
306	1430	TN	Thyboroen Lt.	DNK	id+dash	nr22
312.6	0518	BT	Mys Taran Lt.	RUS	id+dash	hbDK
312.6	0519	BK	Baltiysk Lt.	RUS	id+dash	hbDK
312.6	0522	LB	Liepaja Lt.	LVA	id+dash	hbDK
312.6	0523	KA	Klaipeda Lt.	LTU	id+dash	hbDK
312.6	0527	AK	Akmenrags Lt.	LVA	id+dash	hbDK
315	1708	CNL	Colombo/Katanayake	CLN	id+dash	nr1
316	1913	MST	Tak Maesot	THA	id	nr1
317	1710	GN	Gan	MLD	id	nr1
317	2226	AN	East Island Lt.	AND	id+dash	nr1
318	1917	BRU	Brunei	BRU	id	nr1
320	2321	PCK	Prachnap Khiri Khan	THA	id	nr1
321	1518	NE	Singkep/Dabo	INS	id	nr2
322	0500	GDA	Gdansk	POL	id	hbDK
328	1435	HY	Songkhla/Hat Yai	THA	id	nr2

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338	1810	HKG	Hongkong	HKG	id	nr1
338	1918	SR	Surat Thani	THA	id	nr1
338a	1438	BU	Unid	???	id	nr2
340	1600	SN	Sandakan	MLE	id	nr2
353	0508	KLT	KRT? Kartuzy ?	POL	id	hbDK
365	2032	GLX	Glckstadt	D	id	ws23
370	1540	BM	Batam/Hang Nadim	INS	id	nr2
373	1915	UB	Ubon Ratchatani	THA	id	nr1
375	1442	ON	Medan/Polonia	INS	id	nr2
377a	1025	PNP	Phnom Penh	CBG	id	nr2
380	2039	FLB	Flensburg	D	id	ws23
393	2235	KN	Khon Kaen	THA	id	nr1
395a	1820	OW	Palembang/Talangbetutu	INS	id	nr1
405	1605	VTG	Vientiane	LAO	id	nr2
414	1640	UP	U Tapao Airbase	THA	id	nr1
416	2050	AH	Rathlin Island ???	G	id	ws23
419	2116	GRE	Grebbestad	NOR	id	nr22
423	2240	FE	Odense	DNK	id	ws23
465	2228	LO	Billund	DNK	id+dash ?ed	ws23
484	2300	HOF	Hof	D	id	nr75
590	0504	OL	Szczecin/Goleniow	POL	id not cont.	hbDK
840a	0531	FG	Unid	???	id	hbDK

plus lots of unids by nr22: BBT 424, GA 477, GB 312, MA 325, MEP 451, P 474, SG 310, INA 355, NRG 358, L 419, GR 433, GP 451, HO 381, UZ 470.

M A R I T I M E

22a	0500	EAF	Unid	E	id	hbDK
2805	1943	IGJ	Augusta R.	I	id	ws23
4295	1514	PKB	Belawan R.	INS	id	nr2
4345a	1621	XSR88	Unid	CHN	id	nr2
4347a	1445	XSP3	Unid	CHN	id handkeyed	nr2
6318	1442	UPB	Provideniya Bukhta R.	RUS	id	nr2
6356	0959	SAA	Karlskrona R.	S	id	ws23
8434a	1515	UKK3	Nakhodka R.	RUS	id	nr2
8440.6	1705	UAT	Moscow R.	RUS	id	pcG
8442.3	1845	TCR	Tophane Kulesi R.	TUR	id & tfc	pcG
8450	1701	5AB	Benghazi R.	LBY	id	pcG
8450	2218	SAA	Karlskrona R.	S	id	pcG
8455	1436	9WH	Kota Kinabalu R.	MLA	id	nr2
8457	1512	PKP	Dumai R.	INS	id	nr2
8459	1455	YQI4	Constanta R.	ROU	id	pcG
8460	1925	LZW	Varna R.	BUL	id	pcG
8465	1858	UJY	Kaliningrad R.	RUS	id	ws23
8470	0018	XVG	Hai Phong R.	VTN	id handkeyed	nr2
8471.4	1942	SUP	Port Said R.	EGY	id manually	pcG
8472	2034	SUP	Port Said R.	EGY	id	ht43
8484.5	1935	HZG	Dammam R.	ARS	id	pcG
8504.1	1943	ZLW	Wellington R.	NZL	id	pcG
8506	1953	UDH	Riga R.	LVA	id	pcG
8515	2059	5AT	Tripoli R.	LBY	id	pcG
8522	0537	9WW20	Kuching R.	MLE	id	nr2
8570	0134	XVT	Da Nang R.	VTN	id	nr2
8578	2039	SUH	Alexandria R.	EGY	id	ht43
8585	0920	XSO	Unid	CHN	id & tfc	nr2
8630	0310	WCC	Chatham R.	USA	id	bg22
8632	2048	XSW	Kaohsiung R.	TWN	id	ht43
8665	2054	XSG	Shanghai R.	CHN	id	ht43
8686	1034	PKF	Makassar R.	INS	id	nr2
12637	1938	UMV	Murmansk R.	RUS	id	ws23
12689.5	2020	PPJ	Junccao R.	B	id	ht43
12695.5	0910	KFS	San Francisco R.	USA	id	pcG
12699	0913	HPP	Panam R.	PNR	id	pcG
12731	0622	RIT	RUS Ny Moscow	RUS	id	pcG
12736.5	2033	TAH	Istanbul R.	TUR	id	ht43
12775	2202	XFU	Veracruz R.	MEX	id slow	pcG

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12780	2038	D3E61/51	Luanda R.	AGL	cw-cq	ht43
12830.5	0638	XFM	Manzanillo R.	MEX	cw-cq	pcG
12879.5	2053	WSC	Tuckerton R.	USA	cw-cq	ht43
12906	1737	DZJ	Manila R.	PHL	cw-cq	pcG
12930	1854	JYO	Aqaba R.	JOR	cw-id	ws23
12990	1732	UKK3	Nakhodka R.	RUS	cw-qtc list	pcG
13000	2100	UBE2	Petropavlovsk R.	RUS	cw-cq & qtc	pcG
13042	1838	RCV	RUS Ny Moscow	RUS	cw-id	ws23
13060.5	1139	70A	Aden R.	YEM	cw-de	pcG
13110	1310		Norddeich R.	D	G wx	bg22
17175.2	0928	A9M	Bahrain R.	BHR	cw-de	pcG
17190.5	2100	UHK	Batumi R.	GEO	cw-cq	pcG
22398	1758	UBE	Petropavlovsk R.	RUS	cw-id	ws23
22595	1749	SVB4	Athens R.	GRC	cw-id	ws23
22628	1746	IAR	Rome R.	I	cw-id	ws23

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

4707	1943		RAF Architect	G	wx	bg22
4742	0317		RAF Architect	G	E clg Ascot 501	bg22
5310	2000	8AV,M0F	Embargo Net Bosnia	BOS	E wkg	bg22
5680	1410		Pluto 1	AIR	E wkg Ijmuiden Rescue	bg22
6746	0940		French unid	F	voice & RTTY	bg22
6762.5	1530		USAF Magic 5/1	AIR	E wkg Magic AWACS	bg22
8942	1248		Vientiane Air	LAO	E wkg a/c	nr2
8967	1953		A/c Ascot 578	AIR	E wkg Lajes	bg22
9011	1329		RAF Buchan	G	E wkg unid	bg22
11176	1935	DA025	Aircraft	AIR	E clg Anderson	bg22
11176	2010		BAMA 15	AIR	E wkg Ascension	bg22
11209	1000		USAF Andrews AB	USA	E wkg SAM205	bg22
11233	0320		UNID CANforce	CAN	F wkg	bg22
11255	1040		US Ny	USA	several tacticals	bg22
13205	1505		USAF Andrews AB	USA	E wkg SAM 2-6000	bg22
15015	1053		RAF Croughton	G	E wkg Romeo	bg22
17975	0714		IONS (?ed)	AIR	E wkg Incirlic	bg22

F I X E D B A N D S

6996	1108		UNO Zagreb	HRB	E wkg	bg22
10255	1310	KWS	US Emb Athens	GRC	cw-sitor	ht43
17015	1913	C	Beacon Moscow	RUS	cw-id	ws23
23057	0930	Scudo 2	Ital UN Forces Somalia	SOM	I wkg "Mano" USB	fmI

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

2845	1951	PBB	HOL Ny Den Helder	HOL	id	75 ws23
3377	2040		Ankara Meteo	TUR	wx chart	FAX 90/576ws23
6850	2200	RFFWERM	Unid		clg + 6925	ARQ-E 72 pcG
7350	0725	RFFZEVO	FF Sarajevo	BOS	msgs	ARQ-E 72 pcG
Scheduled 0725-1800						
7524	2056	TYE	Cotonou Air	BEN	idle	ARQ-M2 96 pcG
8123	1921	TNL	Brazzaville Meteo	COG	aero tfc	ARQ-M2 96 pcG
9126.6	1450		ANSA?	I	msgs	SIT-A bg22
9283	1025		I Emb Belgrade	SER	msg to Rome	ARQ-E 96 pcG
9994	1958	CSY	Santa Maria Air	AZR	id	50 ws23
10308.5	1217	FDY	FAF Orleans	F	voyez le brick..	50 pcG
10658	2100	GYU	R Ny Gibraltar	GIB	chatting	Piccolo pcG
12605	2013	FFT	Saint Lys R.	F	id	SIT-A ws23
12793	1912	RNO	AAMC Moscow	RUS	id	50 ws23
12815	1738	LYL	Klaipeda R.	LTU	msgs	50 pcG
14458.5	0729	DGO46L2	PIAB Bonn	D	gra	FEC-A 96 pcG
14481.7	????	RFTJ	FF Dakar	SEN	5lt gps	ARQ-E3 48 pcG
14593	2041	MTS	R Ny Port Stanley	FLK	wkg MKK	Piccolo pcG
16095	0840	RCF	TASS ? Moscow	RUS	cq	75 pcG
18173.5	2015	STK	Khartoum Air	SDN	de	50 pcG

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18704.2	0731	DGS70HS	PIAB Bonn	D	gra & G nx	FEC-A	96	pcG
19101.7	1100	RFLI	FF Fort-de-France	MRT	"BFL" msgs	ARQ-E	192	pcG
19120	1757		CUB Embassy Maputo	MOZ	msgs		75	ws23
19357	1235		MFA Lagos	NIG	E telex	FEC-A	96	ws23
20933.5	1448	SOV	PAP Warsaw	POL	POL nx	SIT-B	100	ws23
20972	1440	RCF	Ex-TASS ?	RUS	cq		75	ws23

PIAB = Presse- und Informationsamt der Bundesregierung

nr1 was UN observer nr75 in Pattaya/Thailand and nr2 is nr75 in Prey Ta Ly (SE Cambodja, 30 km north of Svay Rieng, 5 km from the vietnamese border).

nr22 = Husum/Northern Germany

hbDK was hb32 near Copenhagen/DNK

Corrections of logs in previous issues by mm35:

2/93 2295,80 ARQ-E 96/8 HFVBR is Bremen to Bonn, not Berlin

3/93 3813,00 ARQ-E 96/8 HFVGM is not LKA Kassel (in Hestia there is only the LKA in Wiesbaden), but the detachment of the Federal Border Police

(Bundesgrenzschutz) for the central part of Germany in Kassel

3/93 4442,30 ARQ-E 96/8 NIVHF is Bonn to Hannover

(tnx!) -----> see also Info-Section

Q S L R E V I E W

AIR-Rescue 119	Stornoway	9	PPC,L,I,Fo/	5680		300w	mo67
AIR-Rescue 169		13	PPC,L,I/	5680		130w	mo67
AIR-Rescue 177		11	PPC/	5680		2kw	mo67
AIR-Rescue 190		18	PPC,L,I/	5680			mo67
AIR-Watchdog 94		28	PPC,L/RP	6647			hb32
ANT-NZARP	Scott Base	33m	PPC/IRC 2nd f/up	11570	ZLQ	1kw	rk50
AUS-AUS	Ny North West Cape	52	PPC,I/IRC	12867	NWC		hb32
AZR-NDB	Santa Maria	273	L/\$	323	"SMA"		rk50
BEL-Koksijde	Rescue	30	PPC,Sti/Fo,IRC	5680			fd40
CYP-AUSCON/UNIFCYP	Famagusta	14	PPC/	23750	OEY61	150w	mo67
D	-DRF Stuttgart	48	PPC/Fo,RP	8630		1kw	fd40
DNK-NDB	Esbjerg	16	PPC/VC	376	"HP"	10w	zeTC
EST-Tallinn	R.	47	PPC,VC/Fo,\$	8422	ESA	1500w	fd40
F	-MFA Paris	36	PPC,L/Fo,RP	24370	P6Z	1kw	fd40
G	-NDB Stornoway	15	PPC,L/VC	669.5	"SWY"	100w	zeTC
GRC-GRC	Ny Crete	34	PPC,L/	3678	SXH32	5kw	mo67
GRC-Kalamata	Air	63	PPC,L/Fo,\$	5637		300w	fd40
GRC-Karala	Air	62	PPC/Fo,\$	5637		100w	fd40
GRC-Kazantzakis	Air	37	PPC,L/Fo,\$	5637		400w	fd40
GRC-Mykonos	Air	67	PPC,L,VCS/	5637		100w	mo67
GRC-Mykonos	Air	112	PPC,L/RP	5637			hb32
GRC-Samos	Air	44	PPC,L/Fo,\$	5637		100w	fd40
GRC-Samos	Air	46	PPC,VC/	5637		100w	mo67
GRC-Souda	Air	46	PPC/Fo,\$	5637		500w	fd40
GRC-Souda	Air	54	PPC/	5637		500w	mo67
HNG-Budapest	Air	37	PPC,L/Fo,\$	8930	HAM	1500w	fd40
HRB-Rijeka	R.	9	PPC/	8700.1	9AR	7kw	mo67
INS-Plaju	R.	72	L,Fo/VC,IRC	8626	PKC2		zeTC
ISR-Haifa	R.	41	PPC no det./	2182			mo67
IWA-HMS	Orkney	55	PPC,L,I,St/	6647	GUY	200w	mo67
IWA-HRMS	Middelburg	81	PPC/-	5680	PAEI		hb32
IWA-MV	CTS Hoechst Express	25	Fax-qs1 frm Ind.Oc	16528	DHER	1kw	fd40
IWA-MV	Koblentz	5	PPC/VP	5680	DREL		hb32
IWA-Platform	Montrose Alpha	17	PPC,lots of I/	2182	GUPN	250w	mo67
IWA-Rig	Santa F, Monitor	25	PPC,L,I/	2182			mo67
IWA-Rig	West Stadriil	48	PPC,L/	2182	A8YY	500w	mo67
KER-PTT	Kerguelen	19	PPC/Fo via Ablis	20113.2	FJY2	1kw	fd40
LCA-NDB	Vigie	19m	C/Fo,\$	415	"SLU"		fdVEN
LTU-Klaipeda	R.	33	PPC,L,I/Fo,\$	8616.5	LYK	5kw	fd40
MLI-Bamako	Air	459	PPC,L/	8861		1kw	mo67
POL-Witowo	R.	32	PPC,VC,St/	2643.5	SPS	1kw	mo67

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PRU-Lima Air	485	PPC/Fo,\$	10024		500w	fd40
S -Karlskrona R.	27	C/IRC	8450	SAA		pcG
S -NDB Anderstorp	67	PPC,VC,St./	419	"AN"		mo67
S -NDB Link"ping-Saab	22	PPC,St./VC	415	"OL"	25w	zeTC
S -NDB Link"ping-Saab	22	PPC,St./VC	421	"T"	25w	zeTC
S -NDB "rebro	20	PPC/VC	400	"EN"	70w	zeTC
S -NDB Orust	16	PPC/VC via G"teb.	425	"ORU"	100w	zeTC
SLO-Bratislava R.	61	PPC,L/IRC,stamps	13057	OMG		pcG
URG-URG Ny Montevideo	40	L/Fo,IRC	20473	CXR		fd40
USA-MARS Silver Springs,FL	33	PPC,C/	20994	AAR4CSS	1kw	mo67
USA-Westminster Fire Dept.	63	PPC/RP f/up	33700			hb32

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

Tallinn R. ESA: Raivo P.,suke, 3/5 Estonia Blvd., Estonian Shipping Co., EE-0101 Tallinn, Estonia (fd40)
 V/s Lima Air: Juan Hugo Deza Royas (fd40)

NZARP Scott Base ZLQ: New Zealand Antarctic Programme, International Antarctic Centre, PO Box 14-091, Christchurch, New Zealand (rk50)

US/AUS Ny North West Cape NWC: NAVCOMMSTA Harold E. Holt, PO Box 125, Exmouth 6707, Australia (hb32)

NDBs Link"ping-Saab: Gunnar Ahlgren, R.M.S. Manager, SAAB-SCANIA AB, S-581 88 Link"ping, Sweden (zeTC)
 Plaju R. PKC2: Alex C.H. Wattimena, Jl. Anggrek D4/261-B., Komperta Plaju 20268, Sumsel, Indonesia (zeTC)

Karlskrona Radio SAA: Chafen, Karlskrona Kustradio, Box 8051, S-371 08 Lyckeby, Sweden (pcG)

I N F O S

Italian Army in Somalia and Mozambique uses several frequencies between 23 and 24 MHz daytime (fmI)

Sked de Plaju R. PKC2: 8626 kHz in CW: 0000-0100, 0400-0500, 0800-0900, 1300-1400 zulu

Following info was transmitted by Karlskrona R.: QSX 6292.5/8375.5/500kHz QSW 6357/8450/435.5 FROM MAY 7 SAA WILL TRANSMIT 8450 FOR TFC 0600/1600 (via pcG)

Some nice stuff from mm35 cf. transmissions of the german Bundeskriminalamt and the Landeskriminal,,mter (CIDs):
 "In the NL (...) there are often reports on german HF stations in ARQ-E 96 and 72Bd, which are indicated as belonging to the Landeskriminal,,mter (CIDs of the federal countries). That's not correct. There are LKA stations transmitting in these nets, but most of the stations belong to the Ministries of the Interior (Innenministerien) of the countries.
 The head station (Hauptfunkstelle des Bundes) is in Bonn, c/s DER.
 The head stations of the federal countries (belonging to Federal Border Police and the Bundeskriminalamt) have the c/s DER20 to 99.

Subordinated stations of the countries:

Country	Callsign	ID during tfc
Baden-Wrttemberg	DHA20-99	BW
Bayern	DHR20-99	BY
Bremen	DHB20-99	BR
Hamburg	DHH20-99	HH
Hessen	DHE20-99	HE

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Niedersachsen	DHL20-99	NI
Nordrhein-westfalen	DHF20-99	NW
Rheinland-Pfalz	DHG20-99	RP
Saarland	DHK20-99	SL
Schleswig-Holstein	DHQ20-99	SH
Grenzschutzkommando (Federal Border Police)		
South	DEL20-99	GS
Central	DEF20-99	GM
North	DEC20-99	GN
Coast	DEH20-99	GK
West	DEG20-99	GW

New federal countries not yet known

Additionally there are a lot of abbreviations used to form the address of a station. I.e. IM is Innenministerium (Ministry of Interior), HV is Hauptvermittlungsstelle (main exchange), a typical "callsign" would therefore be: NWHVIM, which means Northrhine westfalia (NW) - Main exchange (HV) - Ministry of Interior (IM).
(If someone is interested in other abbreviations - mm35 supplied me with a complete list, ed.)

VHF always goes from Bonn to the countries, HFV goes from the countries to Bonn.
Activities are normal during daytime between 1.6 and 5 Mhz, but also between 25 and 28 MHz. The higher frequencies are used for low range traffic, e.g. between sheriff department in Dortmund to CID/LKA Dsseldorf. Authorities of the countries and Ministries of the Interior transmit with 96 Bd and 8 repetition cycles, Border police transmits with 72 Bd and 4 repetition cycles, Border Police Coast (Bad Bramstedt) activities mostly between 1.6 to 4 MHz).
(Tnx to mm35!)

Hi there. As always in this time of year people are more involved in holiday making than working in their dusty utility listening post:

NON DIRECTIONAL BEACONS

297	0020	CH	Civita Vecchia Lt.	I	id+dash	nr76
299	0030	RD	Trieste	I	id+dash	nr76
313.5	0040	TMG	TMlands S"dra Lt.	S	id+dash	nr76
314.5	0038	TL	Punta Penner Lt.	I	id+dash	nr76
333.5	0045	VOG	Voghera	I	id	nr76
337	2300	MY	Myggenes	FAR	id	nr76
386	2248	LK	Unid	?	id	nr76
389	0055	CMO	Camogli (Genova)	I	id	nr76
427	0155	AUB	Aubenas ? ex 448?	F	id+dash	nr76
451	2250	IK	Unid	?	id	nr76
479	2340	RE	Unid	?	id+dash	nr76

MARITIME

2607	1826	FUO	F Ny Toulon	F	cw-vvv	pcG
6465.5	2102	ROD7	Moscow?	RUS	cw-cq	pcG
8457	2118	LSA4	Boca R.	ARG	cw-wkg	pcG
8474	1837	JYO	Aqaba R.	JOR	cw-cq	pcG
8499	0522	YLJ20	Unid	LAT	cw-cq	dp41
"CQ CQ DE YLJ20 DE YLJ20 ANS 8345 ANS 8345 K".....						
8504	1846	ZLW	wellington R.	NZL	cw-de	pcG
8523	0633	CBV	Playa Ancha R.	CHL	cw-vvv	pcG
12673.5	0732	JOU	Nagasaki R.	J	cw-cq	pcG
12688.5	0702	UQK2	Riga R.	EST	cw-cq	pcG
12709	0711	A9M	Bahrain R.	BHR	cw-de	pcG

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12729	0811	UVA	Gelendzhik R.	RUS	cw-cq		pcG
12730	0724	NMC	USCG San Francisco	USA	cw-wx		pcG
12966.8	1255	A7D	Doha R.	QAT	cw-de		pcG
12971.3	1245	SUH	Alexandria R.	EGY	cw-corrupted cq		pcG
12993	1955	URL	Sevastopol R.	UKR	cw-cq		pcG
13000	0700	LZW	Varna R.	BUL	cw-de		pcG
16863	0805	RPLT	Unid vessel	IWA	cw-cq		pcG
16949	1112	UPW2	Liepaja R.	LVA	cw-wkg		pcG
16990	0913	HLO	Seoul R.	KOR	cw-cq		pcG
17007.5	2058	KLB	Seattle R.	USA	cw-cq		pcG
17175.2	2053	VAI	Vancouver R.	CAN	cw-cq		pcG

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

9035	0711		Unid spanish simplex	?	S wkg		maNL
10024	0010		Iquitos Air	PRU	S clg	Avianca 083	maNL
10024	2350		Lima Air	PRU	S wkg	Avianca 083	maNL
10024	2352		Punta Arenas Air	CHL	S wkg	Avianca 083	maNL
10024	2359		Guayaquil Air	EQA	S wkg	Avianca 083	maNL
10027	1305		Prague Air	TCH	wkg	a/c & Prague wx	maNL
11052	0016		USAF Andrews	USA	E wkg	a/c	maNL
11056	2330		Unid groundstn.	USA?E	wkg	a/c	maNL
11176	2137		USAF Ascension	ASC	E wkg	UN West.Sahara	maNL
11176	2323		USAF Albrook	PNR	E wkg	Carp 25	maNL
11270.5	1536		I Ny where?	I	wkg	Magic 54	maNL
11270.5	1537		NATO Geilenkirchen	D	E wkg	Magic 52	maNL
11279	1255		Bodoe Air	NOR	E clg	Delta 42	maNL
11279	1259		Iceland Air	ISL	E wkg	Aeroflot 324	maNL
13336	1317		Budapest Air	HNG	HNG wkg	a/c	maNL
13926?	0026		Unid groundstn.	?	wkg	a/c	maNL

giving Dakar weather, again contact on 10030 after 2 hours

F I X E D B A N D S

7565	2316		Unid	?	E clg	142 & papa 1	maNL
13927	2208		USAF a/c Reach 512	AIR	E clg	UN West.Sahara	maNL

What is UN Western Sahara? Is this a ground station? Also heard on 11176 working Ascension (maNL)

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

4587.7	any	HFVGN	Hannover?	D	BGS msgs	ARQ-E 72	pgG
4588	1100	GMVHF	BGS Bonn	D	msgs	ARQ-E 72	pcG
4862	2041		Unid	?	crypto tfc	ARQ-E 85.7	pcG
4971.7	2310	PHVSH	Kiel?	D	Kiel HFX	ARQ-E 72	pcG
5023.8	2310	HFVBR	MoI Bremen	D	msg	ARQ-E 96	pcG
10492	any	MKK	RA London (Bracknell)	G	meteos	Piccolo	pcG
10800	2100	MKD	RAF Akrotiri	CYP	de	Piccolo	pcG
10895	1640	MUH	Unid	G?	de & chat	Piccolo	pcG
12815	????	LYL	Klaipeda R.	LTU	text & id	50	pgG
12903	1725	RBSL	IND Ny Bombay	IND	4 fig grps & ry	50	pcG
13525	0723	GYU	R Ny Gibraltar	GIB	de	Piccolo	pcG
13824	any	MKK	RA London (Bracknell)	G	meteos	Piccolo	pcG
14370	1646	RCF	Moscow	RUS	cq & ry	75	pcG
14510	1038	MKK	RA London	G	chat to MTS	Piccolo	pcG
14593	2013	MTS	R Ny Port Stanley	FLK	chatting	Piccolo	pcG
14964	1000	RFFX	FF Paris		to RFFXL Beirut	ARQ-E 72	pcG
16183	any		Unid	?	cont meteo	100	pcG
16857.5	0806	UFB	Odessa R.	UKR	msg	TOR-A 100	pcG
16980	0921	UNQ	Novorossiysk R.	RUS	R msgs	50	pcG

BGS = Bundesgrenzschutz (Federal Border Police)

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Q S L R E V I E W

DNK-NDB Odense-Beldringe	46 PPC/VC	423	"FE"	zeTC
F -NDB Porquerrolles Lt.	28 PPC,VC/VC	314	"PQ"	400w zeTC
I -NDB Piacenza	23 PPC/VC	440	"PIA"	80w zeTC
S -NDB Karlskoga	22 PPC/VC	407	"KA"	50w zeTC

Membership fee: Fee received from mdG, pcG and rmCAN, tnx. For 7/93 I still need 16DM from mjNL (M.T.) and ws23, for 9/93 from rvNL.

Thanks to the following guys: pcG, zeTC, nr76, dp41 and maNL (better later than never, hi!).

Hi. Welcome after the summer break. For me it was a busy period, not having any chance to have a go for holidays. Originally I planned to go to Sweden for some weeks. Better luck next time?! Thanks to all of those who sent holiday greetings. Kept me dreaming while busy, hi.
I bought a modem recently and can now be reached in the Internet. My address is: ama05@rs1.rrz.uni-koeln.de - would be pleased to receive mail and logs via e-mail.
I am still in a hurry so please excuse if I did not too much work of editing this time.

M A R I T I M E

120	1020 SXA	GRC Ny Spata Attikis	GRC cw-vvv	zeTC
122.3	1400 OUA23	DNK Ny Stevns	DNK cw-vvv	zeTC
2542.8	2023 GNK2	Norwick R.	G cw-id	fd40
3540	2200 URD	Saint Petersburg R.	RUS cw-clg 4KB	pcG
4229	2001 LYK	Klaipeda R.	LTU cw-cq	pcG
"qsw 523/4229/6427"...pcG				
4231	2033 A7D	Doha R.	QAT cw-de	pcG
8418	1420 IAR	Roma R.	I cw-sitor	zeTC
8429.5	1431 IDR4	I Ny Roma	I cw-vvv	zeTC
8530	0500 UJE	Moscow ?	RUS cw-cq	pcG
8570	2102 NRV	USCG Guam	GUM cw-id	pcG
12601	1949 ZSC63	Cape Town R.	AFS cw-sitor	zeTC
12606.5	1956 TAH	Istanbul R.	TUR cw-sitor	zeTC
12613	1940 XSQ	Guangzhou R.	CHN cw-sitor	zeTC
12704.5	1930 JFX	Kagoshima R.	J cw-manual cq	pcG
12942	1810	Arkhangelsk R.	RUS cw-wkg	pcG
12947	2051 UFB	Odessa R.	UKR cw-msgs 88wpm!	pcG
12965	1200 UJO5	Izmail R.	UKR cw-cq	pcG
"qsw 525.5/4277/6386.5/8586/12965/16909.7"...pcG				
13042.6	2005 PJC	Curacao R.	ATN cw-cq	fd40
13060.5	1414 7OA	Aden R.	YEM cw-de	pcG
13076.7	0658 HZG	Dammam R.	ARS cw-de	pcG
13092	1900 WOM	Miami R.	USA E wx	fd40
13098	1917 5BA	Cyprus R.	CYP E/GR vm-f	fd40
13119	1925 7TF	Skikda R.	ALG E wkg 3F02	fd40
16808.5	1734 LSD836	Pacheco R.	ARG cw-sitor	zeTC
16909.5	1200 UJO	Izmail R.	UKR cw-cq	pcG
16912.6	0754 SUH	Alex R.	EGY cw-vvv cq	pcG
16948.5	2206 VCS	Halifax CGR.	CAN cw-wx	fd40
17007.5	2158 KLB	Seattle R.	USA cw-cq	fd40
17007.7	1543 KLB	Seattle R.	USA cw-wkg	pcG
17014	1900 JFX	Kagoshima R.	J cw-manual cq	pcG
17018.3	1619 EBA	E Ny Madrid	E cw-cq	pcG
17038	2138 WNU55	Slidell R.	USA cw-cq	fd40
17045.6	1626 LPD46	Generale Pacheco R.	ARG cw-vvv	fd40

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17145	1117	LZW	Varna R.	BUL	cw-de	pcG
17162	2131	PPO	Olinda R.	B	cw-cq	fd40
17170	2129	PPL	Belem R.	B	cw-vvv	fd40
17175.2	1929	A9M	Bahrain R.	BHR	cw-de	fd40
17184.5	2126	KFS	San Francisco R.	USA	cw-cq	fd40
17194.4	2118	PPR	Rio R.	B	cw-tfc list	fd40
17230	2114	CWA	Cerrito R.	URG	cw-cq	fd40
17232.4	2122	HPP	Panam R.	PNR	cw-vvv cq	fd40
22381	0736	9VG84	Singapore R.	SNG	cw-sitor	zeTC
22382	0737	NRV	USCG Guam	GUM	cw-sitor	zeTC
22386	0731	UFN	Novorossiysk R.	RUS	cw-sitor	zeTC
22395	1608	LPD	Generale Pacheco R.	ARG	cw-sitor	zeTC
22405.5	0726	UFB	Odessa R.	UKR	cw-sitor	zeTC

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

8828	2248		Hongkong Volmet	HKG	E wx	fd40
8855	2328		Porto Velho Air	B	P wkg Brazil 812	fd40
8855	2341		Manaus Air	B	P wkg Brazil 812	fd40
8855	2347		Brasilia Air	B	P wkg Brazil 812	fd40
8855	2349		Piarco Air	TRD	S wkg a/c 6700	fd40
8903	1927		Manila Air	PHL	E wkg Dynasty 1712	fd40
8903	1928		Singapore Air	SNG	E wkg	fd40
8903	1936		Naha Air	J	E wkg a/c 251	fd40
8903	1954		LDOC ? Cathay Pacific	HKG	E wkg AGM5	fd40
8903	2003		Kano Air	NIG	E wkg Lufthansa 566	fd40
8903	2007		Tokyo Air	J	E wkg AF250	fd40
8903	2011		N'Djamena Air	TCD	F wkg Brazzaville	fd40
8903	2026		Dakar Air	SEN	E wkg Luanda	fd40
8903	2152		Kinshasa Air	ZAI	E wkg Speedbird 52	fd40
8903	2156		Brazzaville Air	COG	F wkg AF432	fd40
8903	2206		Luanda Air	AGL	P wkg AirPortugal 646	fd40
8918	2352		Panam Air	PNR	S clg Barranquilla	fd40
8921	0018		Speedbird London	G	E wkg Selcal KMDE	fd40
8924	0016		LDOC KLM Amsterdam	HOL	HOL KLM 590	fd40
11300	1629		Jeddah Air	ARS	E wkg Khartoum	fd40
11384	1530		Sofia Air	BUL	BUL wkg BAF	fd40

F I X E D B A N D S

5004	1957	RID	TS Irkutsk	RUS	ts,id at 2018	fd40
5806.6	0504	ZKLF	Auckland Meteo	NZL	cw-cq wx	zeTC
7572	1004	FDC	FAF Metz	F	cw-vvv //9388,6860	zeTC
8117	2200	BMB	Taipei Meteo	TWN	cw-vvv cq	pcG
grgs given: 3641, 5909, 8117, 13560...pcG						
8979	1810		Radio China Feeder	CHN	G px to Xian Tx	zeTC
10000	1400	BPM	TS Lintong	CHN	cw-id	fd40
13587.5	1703	DEA47	MOI Bonn ???	D	cw-vvv	zeTC
13635	0550	"S"	SLB Archangelsk	RUS	cw-id	zeTC
13636	0551	"C"	SLB Moscow	RUS	cw-id	zeTC
13637	0552	"D"	SLB Odessa	UKR	cw-id	zeTC
14670	1449	CHU	TS Ottawa	CAN	ts, id	fd40
15000	1649	BSF	TS Chung-Li	TWN	cw-id, anns, ts	zeTC
18990	1933	YWM	Radio Bolivar	VEN	S wkg Balboa	fd40
18990	1943		Caruno (?)	???	S wkg	fd40
18990	1949	NBA	US Ny Balboa	PNR	S wkg diverse	fd40
18990	1953	HDN	Radio Quito	EQA	S wkg Balboa	fd40
18990	1955		Punta Brava (?)	???	S wkg Bolivar	fd40
18990	1959	OBC	Radio Inca	PRU	S wkg Balboa	fd40
18990	2002		CHL Ny Aralco (tent.)	CHL	S wkg Bolivar	fd40
18990	2002	5KM	Radio Neptuno	CLM	S wkg Bolivar	fd40
18990	2008		B Ny Brasilia	B	S wkg Neptuno	fd40
18993.5	1846	SPW	Warszawa R.	POL	cw-sitor	zeTC

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

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129.1	2000	DCF49	PTT Bonn	D	foxes	200	fmI
2845	2002	GYA	R Ny London	G	numbers	75	fd40
3331.8	2011		Oil Rig unid	IWA	to GNK	AUTOSPEC	pcG
3390	1833	MGJ	R Ny Glasgow ?	G	status mrkr	75	pcG
3541.8	2100	GNK	Norwick R.	G	to Oil Rig	AUTOSPEC	pcG
4570.5	1753	DHJ51	Grenge1 Meteo	D	wx charts	FAX	fd40
6905	2012	FSB	Interpol Paris	F	ry & cw-id	SIT-A	fd40
6918.5	1822	ECA7	Madrid Meteo	E	wx charts	FAX	fd40
6966	0815	FDY	FAF Or1,ans	F	voyez le brick	50	pcG
6976	????	RFFHCA?	Ajaccio ?	F	EHQ circuit	ARQ-E	72 pcG
7614	0852	RFFHC?	Marseille ?	F	EHR circuit	ARQ-E	72 pcG
7818.3	1710	RFQP	FF Djibouti	DJI	QPS circuit	ARQ-E	100 pcG
7880	2015	DDK3	Hamburg Meteo	D	wx chart Atlantic	FAX	fd40
9994	0002	CSY	Santa Maria Air	AZR	infos, id	50	fd40
10162.5	1402	YIC71	INA Baghdad	IRQ	E nx	50	fd40
10423.2	1410	YMA20	Ankara Meteo	TUR	ry	50	fd40
10600	1252	XVN37	VNA Hanoi	VTN	F nx	50	fd40
10865	2310	NAM	US Ny Norfolk,VA	USA	wx chart	FAX	fd40
10960	1800	RFF??	Paris??	F	idle	ARQM2	200 pcG
possible return circuit of RFFVAY on 11416.7...pcG							
10966.2	2106	RFFXS	Unid	???	clg RFFXC	ARQE3	72 pcG
11112	1611	DGN5711	Bundespresseamt	D	nx	FEC100	96 fd40
11416.7	always	RFFVAY	FF Sarajevo	BOS		ARQM2	200 pcG
Channel A "FKWA" msgs from Sarajevo to Paris, channel B "FKWB" aircraft arrival and departure times Sarajevo...pcG							
11425	1950	"VSG"	Diplo Bucharest	ROU	to Embs	ROU-FEC	164 pcG
11541.6	2213	RFFIG	FF Paris	F	"Olympique Marseille"		fd40
12660.5	2014	UNQ	Novorossiysk R.	RUS	long msg	50	pcG
13050	1953	UDK2	Murmansk R.	RUS	R msgs	50	pcG
13372.8	2219	5YD	Nairobi Air	KEN	de	50	fd40
13383	2132	CLP1	MFA Habana	CUB	to Hanoi	50	fd40
13470	2214	RKU71	Moscow Meteo	RUS	wx charts	FAX	fd40
13479.5	1856	RFFP	Unid	???	de RFFP	ARQ-M2	200 fd40
13510	1910	CFH	CF Halifax	CAN	wx chart	FAX	fd40
13597	2206	JMH4	Tokyo Meteo	J	wx charts	FAX	fd40
13996.5	2135	STK	Khartoum Air	SDN	de	50	fd40
14481.5	2123	RFTJ	FF Dakar	SEN	de	ARQ-E	48 fd40
14481.7	1900	RFTJ	FF Dakar	SEN	to Pt.Bouet	ARQE3	48 pcG
14497	2015	CSY	Santa Maria Air	AZR	MCA aero tfc	50	pcG
14501.7	1710		EGY Emb. Brasilia	B	to Khargia	TOR-A	100 pcG
14523.8	0917	SAM	MFA Stockholm	S	msgs	SW-ARQ	100 fd40
14989	1029	TNL	Brazzaville Air	COG	wx	ARQM2	96 fd40
15873	1930	P6Z	MFA Paris	F	clg 3GF1	FEC100	192 fd40
16015	0820	"DOR"	MFA Sofia	BUL	id	75	fd40
16017.4	1855	DGQ21	Bundespresseamt	D	ry,nx	FEC100	96 fd40
16135	1801	KVM70	Honolulu Meteo	HWI	wx charts	FAX	fd40
16171.7	1500		EGY Emb Rome	I	5lt grps	SIT-A	100 fd40
16173.3	1340	NNNOCRZ	USS America	IWA	"send more cigarettes"		fd40
16270	1748	9VF207	Kyodo Singapore	SNG	JAP letters	FAX	fd40
18173.5	1916	STK	Khartoum Air	SDN	ry	50	fd40
18388.6	1908	HLLTYF	Tripoli Air	LBY	ry	50	fd40
18568.4	1127	KWO	Gilfer says "Honolulu"???	???	msgs,foxes	ARQ-E	96 fd40
18721.6	1339		MFA Cairo	EGY	A msgs	SIT-A	100 fd40
18734	2032		UNID ARG vessel ??	???	S msgs		75 pcG
19088.8	1638		CUB Emb Lusaka	ZMB	"Embcuba Zambia"	75	fd40
19088.8	1650	CLP45	CUB Emb Luanda	AGL	to CUB	75	fd40
19089	1826	CLP25	CUB Emb Maputo	MOZ	to CUB	75	fd40
19216.7	1927	RFLI	FF Fort de France	MRT	de RFLI	ARQ-E3	96 fd40
19463	1640		SUNA Khartoum	SDN	F nx	50	fd40
19640.4	0734		MFA Rome	I	I msgs	SIT-A	100 fd40
19751.5	1920	6VU79	Dakar Meteo	SEN	handpainted wx chart		fd40
20085.2	1638	ISX20	ANSA Rome	I	E nx	50	fd40
20113.1	1050	FJY4	TAAF Martin-de-Vivies	AMS	to RFGW	ARQ-E	96 fd40
20113.1	1137	FJY2	TAAF Kerguelen	KER	msgs to RFGW	ARQ-E	96 fd40
20113.3	1100	FJY5	TAAF Crozet Isl.	CRO	id,telex	ARQ-E	96 fd40
20113.3	1110	FJY3	TAAF Dumont d'Urville	ANT	id, telex	ARQ-E	96 fd40
20113.4	0700	FJY3	TAAF Kerguelen	KER	msgs	ARQ-E3	96 pcG

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msgs to RFGW/TAAF Paris "from DISKER & from DISCRO"...pcg
 20302 1530 NKW US Ny Diego Garcia BIO id,sked,wx-charts FAX fd40
 20584 1539 Salcost Bumbuna SRL E SIT-A 100 fd40
 Computer messages to Rome from SALCOST Freetown, following LSB traffic
 in Italian until 1557z...fd40, SALCOST = Italian building company
 20633.7 1513 RFVI FF Le Port REU F msgs ARQ-E3 100 fd40
 20734 always 4UZ UNHCR wkg TOR-A 100 pcG
 Following stations heard: Kigali (HCRK), Baghdad (HCIB), Luanda (HCAL),
 Kampala (HCUK) and others...pcg
 20805.2 1539 RFQP FF Djibouti DJI id ARQM2 200 fd40
 20880 1528 CLP? CUB Emb Hanoi VTN msgs to CLP1 75 fd40
 20880 1535 CLP? CUB Emb Phnom Penh CBD msgs to CLP1 75 fd40
 20880 1549 CLP? CUB Harare ZWE msgs to CLP1 75 fd40
 20929.5 1748 CLP44 CUB Emb Harare ZWE to CUB 50 fd40
 22882.2 1525 DFZG MFA Belgrade SER E nx 75 fd40
 22904.5 1706 MFA Bonn D to Brasilia ARQ-E 96 fd40
 23370 1520 HZN50 Jeddah Meteo ARS wx Tripoli 100 fd40

Q S L R E V I E W

B -B Ny (MOD) Brasilia	27 C/IRC,Fo	18990		fd40
BIO-US Ny Diego Garcia	18 L,PPC,I/Fo,\$	20302	10kw	fd40
CLM-CLM Ny Bogot	25 L,PPC,I/IRC,Fo	18990	5KM 10kw	fd40
E -NDB Sabadell	2y11m PPC,L/RP via Mad	367	"SBD"	250w fd40
E -NDB Villatobas	2y11m PPC,L/RP via Mad	403	"VTB"	200w fd40
KER-PTT Kerguelen	116 PPC/ direct	20113	FJY2 35kw	fd40
POL-Witowo R.	1275 L/ no f/up	2182	SPN 5kw	fd40
USA-MARS Omaha, NE	425 PPC/Fo,1\$	20936.1	NNNOFMN 1kw	fd40

A D D R E S S E S

Limnos Radio SVL: O.T.E., M.K.P. Limnos, GR-81400 Myrina, Greece
 Nakhodka Radio UKK3: Primorsk Shipping Company, c/o Vladimir Klishin, Manager
 of Radiostation, 6 Ul. Pogranicknaya, 692900 Nakhodka, Russia
 Souda Air: c/o George Michelakis, The Supervisor of Telecommunications
 Section, C.A.A. Tel/Part, Chanea Airport, Crete, Greece
 Mytilini Air: V/s is Alexander M. Deligiannis, Telecom Engineer (SV8QG)
 Crotone Radio IPC: Stazione Radio Costiera, c/o Francesco Riganello, R/O, Via
 Per Capocolonna, I-88074 Crotone, Italy
 Sofia Air: Report to Kamen Markov, QSL from Dimitre Krustev (LZ3NY), PO Box
 8, 1592 Sofia, Bulgaria
 Kefallinia Air: National Airport of Kefallinia, c/o P. Fragopoulos, 28100
 Argostoli, Greece
 Oran Radio 7TO: Mr. Hadri Brahim, BT 102/2, Cit, 342, Logements Hai Sedikkia,
 31900 Oran, Algeria (all from dp41)

Santa Maria Air & NDBs: Aeroporto de Santa Maria, Empresa Publica e Navegacao
 a,rea - ANA-e.p., Servicos de Tr fego A,reo do Atlantico, c/o Emilio Pereira,
 Jefe de Servicio, 9580 Vila do Porto, Azores, Portugal
 Sal Air & NDBs: Aeroporto Amilcar Cabral, Empresa Nacional de Aeroportos,
 Manutencao das R dio Ajudas, c/o Mario Paixao Lopes, Jefe de Servicio, Ilha do
 Sal, Cape Verde Islands (fd40)

I N F O S

Sked of Ankara Meteo in F1:
 3550 kHz 1500 - 0500 z
 10424 kHz 0500 - 1500 z (fd40)

Gny vessel "ELBE" (DRHQ) was taken out of service, "ELBE" (DRHJ) was taken
 into service (dp41)
 DRPG2 is not a ship, but a "mobile naval landstation on truck" of the German
 Navy (never heard of such a construction - ed), address is

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Waffentauchergruppe, Am Ort 6, 24340 Eckernf"rde, Germany (dp41)

Any new address for Manila Air? (fd40)

Radio Saint Helena will transmit their special program for SWLs on 15th October 1993 from 2000z on the usual frequency of 11092 SSB (fd40).

Here we have an interesting proposal by fd40:

"When preparing my letters with reception reports to Asian, African or South American Utility stations I am always disturbed by the feeling that a great number of these letters will never reach their destinations. There are too many "private participants" in the mail service of these countries, making a profit out of nice coloured stamps or even nicer US dollars sent with the letters, because they are so poor that they don't see a chance to get better without these deals.

My proposal: In the ages of fax machines I would like to try to send reports by fax into those countries with an unreliable mail service. Costs are lower as for a letter with dollar and stamps a.s.o.. The problem is to get the fax numbers. So I propose to collect systematically those numbers and everyone is requested to check his QSLs for informations" (fd40)

I think its a good idea to send fax messages to extremely bad verifiers. Fax is indeed cheaper and less complicated than "snail mail". I have out of my profession good experiences with Africa (sent faxes to Mali, Tanzania, Kenya and Rwanda). Of course a fax qsl is not as aesthetic as a "normal" one. But nowadays you have to eat what you get, isn't it, ed?

That's all for the moment. I will now turn back to my work for a month, hi. Thanks to mo76, zeTC, fd40, dp41, fmI, pcG and ai47. A big welcome to OM

Welcome to a new and very late edition of the Newsletter. I was very busy with my work at the Institute, so I have to do the NL job between two lectures or so.

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

M A R I T I M E

8521	1800	VIS26	Sydney R.	AUS cw-cq	pcG
8532	2024	LZW	Varna R.	BUL cw-de	pcG
12797	0635	UDK2	Murmansk R.	RUS cw-clg 4LS	pcG
12803	0637	UDK2	Murmansk R.	RUS cw-clg 4LS	pcG
12817.5	1000	RSGV/UUA9	Unid	RUS cw-cq & qtc list	pcG
12942	1300	RKLM	Arkhangelsk R.	RUS cw-qsw	pcG
12984	0800	4XZ	ISR Ny Haifa	ISR cw-vvv	pcG
13008	0755	JOR	Nagasaki R.	J cw-cq	pcG
13057.5	0750	4XO	Haifa R.	ISR cw-cq	pcG
16910	0745	HLJ	Seoul R.	KOR cw-cq	pcG
16912.6	0738	SUH	Alex R.	EGY cw-vvv	pcG
16932	0740	7TF10	Boufarik R.	ALG cw-cq	pcG
16935	0944	A7D	Doha R.	QAT cw-de	pcG
17014	0730	5BA	Cyprus R.	CYP cw-cq	pcG

F I X E D B A N D S

19800 various A7A211 Doha QAT E wkg LSB pcG
phonepatches with Mary 2 and Mary 3 aircrafts, possibly connected with
British Airways - small executive jets? pcG

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

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2442	0700	THVHF	Bonn	D to Erfurt	ARQ-E	92	pcG
3272.9	1200	HFVNW	Dsselfdorf	D to Bonn	ARQ-E	96	pcG
3813	2305	HFVGM	Kassel	D to Bonn	ARQ-E	72	pcG
4977.7	1210	HFVHB	Bremen	D gra DER28	ARQ-E	96	pcG
4979	always	MAVHF	Bonn	D test	ARQ-E	96	pcG
8020	2128	MKD	RAF Cyprus	CYP clg MUH	PICCOLO		pcG
8417.5	2149	UFB	Odessa R.	UKR msg to ship	STOR-A	100	pcG
10896	1815	MUH	Unid	G? chat	PICCOLO		pcG
13372.5	2000	5YD	Nairobi Air	KEN msgs		50	pcG
13996.7	1944	STK	Khartoum Air	SDN de		50	pcG
14510	0900	MKK	RA London	G clg MTS	PICCOLO		pcG
14593	1930	MTS	RA Port Stanley	FLK to London	PICCOLO		pcG
14633.5	2023	RFLI	FF Fort-de-France	MRT to Cayenne	ARQ-E3	96	pcG
16747.5	0810	6VU79	Dakar Air	SEN wx		50	pcG
17443	1300	BZG48	Xinhua Urumqi	CHN press		50	pcG
19698	0900	OST	Ostend R.	BEL id	TOR-A	100	pcG
19860	0820	MTO	RN Rosyth	G freq status	mkr	75	pcG
20102	0830		Cairo?	EGY AR diplo	msg TOR-A		pcG
20633.7	1705	RFVI	FF Le Port	REU to Paris	ARQ-E3	100	pcG
21992	1440		Unid	YUG? 5lt gps	FEC-A	192	pcG

A D D R E S S E S

Diego Garcia Meteo NKW: Commanding Officer, US Naval Oceanography Command Center/Joint Typhoon Warning Center, PSC 489, Box 12, FPO AP 96536-0051, USA (fd40)

B O O K S

I would like to bring two new books to your attention, both entirely written in German and published in the Siebel-Verlag.

Ralf D. Kloth: Presseagenturen. Siebel-Verlag, Meckenheim 1992. 3rd edition 1993, pp 124, 21,80DM

This book informs about press agencies all over the world transmitting on HF and LF. It is divided in several chapters. The first chapter consists of introductory remarks concerning the "philosophy" of press agencies, followed by a few lines about the legal status of the unauthorized reception here in Germany. What follows then is a short introduction to the technical details of RTTY such as modes, but only Baud and FEC-A are described in greater detail together with the shift rates. But as press agencies today are not transmitting in FEC and Baud only, the explanations are a bit too short. The first chapter is concluded by some remarks of the necessary receiving equipment.

The main chapter is a listing of all known press agencies, which are active or have been active on LF or HF. Each press agency is displayed with address and where known with skeds of the home service and the international service, mode, baud and shift, frequency and call. Short histories of the more important agencies are included. The listings are up to date, also in regard to the recent political developments (e.g. in the former SU).

The last chapter is an alphabetical list of the agencies contained in the book, followed by a frequency index.

In short one can say that this book is a cheap, easy to handle and up to date guide to the press agencies of the world.

Gerd Klawitter: Funk-Lexikon fr Kurzwellen"rer. Siebel-Verlag, Meckenheim 1993, pp 126, 19,80DM

This is a pocket dictionary with approx 800 items concerning technical matters, physical terms, the special vocabulary of shortwave radio (also from the Utility sector) and the history (names and technical developments) of radio, illustrated by many informative photos and pictures. In the foreword of this book the author claims to have written the explanations in an easy

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and intellegible style especially for those who are not acquainted with technical matters. I think the author has solved the double task of being short but intellegible very well.

This dictionary of course cannot replace a technical guide, but is a good and reliable guide for the beginner and DXers with only a basic knowledge of the technical reality.

I N F O S

OM fs72 is looking for a second hand HOKA Code 3 Soft- and Hardware. Offers to Franz Sss, Weitblickstrasse 10, D-72108 Rottenburg, Germany. Tel.: 07457/3787 from 1800.

I would like to receive money from rvNL, hl71 and msNL.

That's it. Thanks to zeTC, fd40, dp41, pcG, ai47, ht45, ua58 and fmI.

Hi everybody. Hope you had a nice and not too icy November. For myself I had a very hot month at the University, but since this state of emergency has gone a few days ago (until further notice by the chiefs of the Institute) I had some more time to edit the NL as in the previous months:

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

259	2332	VIW	Villach	AUT	id	nr76
288.5	2108	AVD	Avord	F	id+dash	nr76
288.5	2310	FI	Finisterre Lt.	E	id+dash	nr76
289.5	0045	NP	Punta Carena Lt.	I	id+dash	nr76
290	2100	TR	Tirana/Rinas	ALB	id	nr76
293	0052	STE	Steinhof	AUT	id	nr76
298	0058	LI	Livorno Lt.	I	id+dash	nr76
298.5	2245	RR	Round Island Lt.	G	id+dash	nr76
304	0245	ME	Pta.della Maestra Lt.	I	id+dash	nr76
305.5	0039	AL	Ailly Lt.	F	id+dash	nr76
311	2300	IP	Capo Escandalo Lt.	I	id+dash	nr76
311.5	0146	SA	Senigallia Lt.	I	id+dash	nr76
312	2315	MUR	Bern/Muri	SUI	id	nr76
313.5	0043	S™	™lands S™dra Lt.	S	id+dash	nr76
327	0042	POR	Porto	POR	id	nr76
338	0035	MNW	Munich	D	id	nr76
344	2030	HEK	Heka	FNL	id	nr76
349.5	2035	SZA	Solenzara	F	id+dash	nr76
356	0056	SU	Salzburg	AUT	id	nr76
357	2148	MA	Leipzig	D	id	zeTC
358	2116	SCV	Suceava	ROU	id	nr76
358	2155	SCV	Suceava	ROU	id	zeTC
360	2128	WAL	wallisellen	SUI	id	zeTC
360.5	0013	MAK	Gent/Mackel	BEL	id+dash	nr76
362	2201	BZO	Bolzano	I	id	zeTC
366	2208	KM	Kalmar	S	id	zeTC
367.5	2207	PNZ	Ponza	I	id	zeTC
369	2210	BP	Bastia/Poretta	F	id+dash	nr76
371	2211	CAG	Cagliari	I	id	zeTC
374	0148	DHR	Dahra	LBY	id+dash	nr76
376.5	2223	ORI	Orio del Serio	I	id	zeTC
378	2112	OK	Pleshchenitsy	RUS	id+dash	nr76
380	0010	GPM	Dresden/Gompitz	D	id new id, ex KMS	nr
380	2233	LF	Roenneby	S	id	zeTC
390	2107	FLR	Floresti	ROU	id	nr76
397	2356	EHN	Eindhoven	HOL	id	nr76
404	2132	ZLA	Zilina/Hricov	SVK	id	nr76
409	2134	SG	Saten,,s	S	id	zeTC
410	2136	RF	Erfurt	D	id	zeTC
412	0035	SIG	Sigonella	I	id	nr76

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412	1750	FS	Sliac	SVK id	zeTC
413.5	2149	DLS	Lbars	D id	zeTC
414	2146	SLB	Solberg	NOR id	zeTC
415	2151	OL	Link"ping/Saab	S id	zeTC
416	0100	ULT	Usse1 Thalamy ?	F id+dash	nr76
416	2200	MTA	Malta	MLT id irregular	nr76
416a	2154	VG	Vargarda ?	S id ex 280?	zeTC
417	2157	AH	Zngelholm	S id	zeTC
418	2208	PW	Poprad/west	SVK id	zeTC
420	0023	SS	Malm"/Sturup	S id	nr76
420	2211	BAZ	Bayreuth	D id	zeTC
423	2055	ZO	Zitorada	HRB id+dash	nr76
425	2222	ORU	Orust	S id	zeTC
426	1420	ERT	Erfurt ?	??? id	nr
heard in Thuringia under daylight conditions... nr76					
432	0135	NVS	Navas del Rey	E id	nr76
432	2340	LOS	Losinj	HRB id+dash	nr76
434	2209	CRE	Cres ?	YUG id+dash	nr76
434	2315	SK	Leipzig/Gr"bers	D id ex 446	zeTC
438	2310	PE	Poprad/East	SVK id	zeTC
440	2324	PIA	Piacenza	I id	zeTC
German army will leave Neuhausen, so "NUN" will probably close down..nr76					
442.5	1930	NUN	Neuhausen	D id+dash	nr76
448	2134	HLV	Holesov	CZE id	nr76
480	2345	VIB	Viterbo	I id	nr76
486	0252	IA	Brno/Turany ?	CZE id+dash	nr76
850	0233	BN	Bronitsa	UKR id	zeTC

nr without 76 was Tischendorf at the thuringian-bavarian border. This gentleman has also a lot of unids: LK 386, PK 433, OG 325, EUR 350, JC 313 (aero), LAG 384, BBT 423, TV 420, LOR 359, BK 472, AG 480, OR 303 (mar), BHT 422, QM 458, FRI 379, ChC 455, HZD 377, ILA 349, PRD 470. Have fun!

M A R I T I M E

2644	2200	SPS	Witowo R.	POL cw/sitor	wk08
8440	1921	VCS	Halifax CGR.	CAN cw-v cq	pcG
8445.5	2155	WLO	Mobile R.	USA cw-de	pcG
8450	0748	5AB	Benghazi R.	LBY cw-v cq	pcG
8470	0729	XFL	Mazatl n R.	MEX cw-cq	pcG
8485	0730	4XO	Haifa R.	ISR cw-cq	pcG
8502	1913	PPL	Belem R.	B cw-vvv	pcG
8505	0800	RJFY/UCW4	St.Petersburg R.	RUS cw-cq	pcG
freqs given 4223, 6380, 8505, 12765					
8506	1939	UDH	Riga R.	LVA cw-cq	pcG
8515	1949	5AT	Tripoli R.	LBY cw-v cq	pcG
8520	2144	PPO	Olinda R.	B cw-vvv	pcG
8589	2259	HPP	Panam R.	PNR cw-vvv	fd40
8597	2105	VIP33	Perth R.	AUS cw-vvv	fd40
8646	1958	VTP	IND Ny Visakhapatnam	IND cw-vvv	fd40
8688.5	2029	ZSC	Cape Town R.	AFS cw-de	pcG
8690	1950	ZSC6	Cape Town R.	AFS cw-cq	fd40
8691	1940	XST	Quing-Dao R.	CHN cw-cq	fd40
8698	2018	7TF6	Boufarik R.	ALG cw-cq	pcG
12729	1720	UVA	Gelendzhik R.	RUS cw-cq	pcG
12781.5	1401	9MB5	MLA Ny Penang	MLA cw-vvv	pcG
12801	1648	TAH	Istanbul R.	TUR cw-cq	pcG
12804	1406	YQI	Constanta R.	ROU cw-qtc list	pcG
12840	1417	VTP	IND Ny Visakhapatnam	IND cw-vvv	pcG
12855	1040	UBF2	St.Petersburg R.	RUS cw-de	pcG
13042.5	2134	PJC	willemstad R.	ATN cw-cq	fd40
13044	1245	VPS61	Victoria R.	HKG cw-de	fd40
16922	1315	UQA4	Kiev R.	UKR cw-de	pcG
17077	1000	ESA	Tallin R.	EST cw-cq	pcG
freqs given 450, 6405, 6485, 12723, 17077					
22381	1123	VIP42	Perth R.	AUS cw/sitor	zeTC

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

5637	1512	Dimokritos Air	GRC GR clg Athens	hb31
5637	1535	Makedonias Air	GRC GR clg Athens	hb31
5637	1549	Mikonos Air	GRC GR clg Athens	hb31
5637	1605	Diagoros Air	GRC GR clg Athens	hb31
5637	1635	Mytilini Air	GRC GR clg Athens	hb31
5658	2030	Mauritius Air	MAU E wkg Addis	fd40
5658	2104	Kabul Air	AFG E wkg Speedbird 56	fd40
5680	0839	Unid Rescue 240	AIR E wkg Stockholm Rescue	wk08
8873	2235	Douala Air	CME F clg Libreville	fd40
8879	1613	Tananarive Air	MDG F wkg Mauritius 829	fd40
8879	1614	Mauritius Air	MAU E wkg Mauritius 85	fd40
8888	1930	Gaborone Air	BOT E clg Luanda	fd40
8896.5	2251	Lima Air	PRU S wkg diverse grd stns	fd40
8896.5	2253	Iquitos Air	PRU S wkg Lima	fd40
8896.5	2257	Trujillo Air	PRU S wkg Lima	fd40
8896.5	2259	Chiclayo Air	PRU S wkg Lima	fd40
8896.5	2312	Pucallpa Air	PRU S wkg Lima	fd40
8903	1700	Honolulu Air	HWI E wkg Speedbird 010	fd40
8903	1723	Kinshasa Air	ZAI E wkg Luanda	fd40
8903	1737	Singapore Air	SNG E wkg Singapore 998	fd40
8903	1815	Kano Air	NIG E wkg Nigeria 502	fd40
8918	2251	Jeddah Air	ARS E wkg Malaysia 150	fd40
8918	2255	UPS 2014	AIR E wkg Panam	fd40
8918	2258	Baku Air	AZE R wkg Unid a/c	fd40
8918	2258	Merida Air	MEX S wkg Argentina 700	fd40
8918	2306	Panam Air	PNR E wkg Roley? 34	fd40
8918	2351	CENAMER Tegucigalpa	HND S clg Unid	fd40
8918	2356	Boyeros Air	CUB S wkg Merida	fd40
8933	2302	SAA LDOC Jo'Burg	AFS E wkg Springbok 257	fd40
10024	2220	Santa Cruz Air	BOL S wkg La Paz	fd40
10024	2221	La Paz Air	BOL S wkg Boliviana 2995	fd40
10024	2233	Iquitos Air	PRU S wkg La Paz	fd40
10024	2243	Guayaquil Air	EQA S wkg Lima	fd40
10078	1406	Royal Nepal 229	AIR E wkg LH Frankfurt	maNL

the right front window was broken, they wanted to land in Frankfurt to repair the window...maNL

11300	2224	Ašmara Air	ERT E wkg AF 435	fd40
11396	1634	Ujung Pandang Air	INS E wkg Air Mike 1	fd40
11396	1645	Perth Air	AUS E wkg a/c 991	fd40
13282	1323	Auckland Volmet	NZL E volmet	fd40
17910.1	1413	Unid	??? E	maNL

"CFRPP you are on 17, over?" no contact...maNL

17916	1416	St. Lys R.	F F wkg a/c 1301	maNL
18018	1113	Ascot 5792	AIR E wkg Architect	wk08

F I X E D B A N D S

2806	2230	IGJ41	I Navy Augusta	I CW	wk08
3354	0046	TBH3	TUR Ny Golcuk	TUR cw-vvv	zeTC
5208	0126	FSB	Interpol Paris	F cw/sitor	zeTC
6280	0957	OLX	PTT Prague	TCH cw-vvv	zeTC
10170	0820	EHL	Guardia Civil Leçn	E S wkg in USB	maNL
10507	0930		Unid Italian	??? I simplex tfc USB	maNL

Italian simplex tfc, also phonepatches and RTTY 50Bd: "Reggia de Fiamna" & foxes & rryryr - to be heard quite often in the morning...maNL

12110	1240	OVG	DNK Ny Frederikshavn	DNK CW	wk08
14441.5	2128	NNNOWNQ	Unid	USA E wkg NOCMC	fd40
14441.5	2133	NNNOZTI	Unid	USA E wkg NOCMS	fd40
14936.4	1700	NNNOASC	MARS Charleston,SC	USA E wkg NOCCN SIT-A 100	fd40
18646.6	1145	PCW1	MFA Den Haag	HOL cw/sitor	wk08
20994	1410	AEM4USA	MARS Unid	??? E wkg AAR4CSS	fd40
20994	1419	AEM1KRN	MARS Unid	??? E wkg AAR4CSS	fd40
20994	1451	AEM1VLK	MARS Unid	??? E wkg AAR4CSS	fd40
20994	1456	AEM1QF	MARS Berlin	D E wkg AAR4CSS	fd40

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20994	1534	AAV4TN	MARS Unid	???	E wkg	AAT3USA	fd40
20994	1535	AAT3USQ	MARS Unid	???	E wkg	AAR4CSS	fd40
20994	1542	AEM1USA	MARS Sembach	D	E wkg	AAR4CSS	fd40

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

2234.8	oftn	HFVTH	Erfurt	D	msgs	ARQ-E	96	pcG
3898	2200	TNL	Brazzaville Air	COG	aero msgs	ARQ342	96	pcG
5803.5	2200	9GC	Accra Air	GHA	testing		50	pcG
6943	1002	HBK74	Unid	???	clg HBK90	SIT-A	100	fd40
7460.5	1930	5YE	Nairobi Air	KEN	meteos		100	pcG
7586	2359	RFVITT	FF Dzaoudzi	MYT	msgs	ARQ-E	96	pcG
7644.2	oftn		Sarajevo	BOS	msg UN?	ARQ342	200	pcG
7713.2	1641	TJK	Douala Air	CME	aero msgs	ARQ342	96	pcG
7821.7	2155	LYNX	NIG diplo?	???	cw/sitor	SIT-A	100	pcG
8025	2240		MFA Bucharest	ROU	msg to NY	ROU-FEC	164	pcG
8105	2245	RFFX	FF Versailles	F	msg to Beirut	ARQ-E	72	pcG
9041	2028	BZC	Urumqi Meteo	CHN	wx,msgs		100	fd40
10162.5	1815	YIL	INA Baghdad	IRQ	E nx		50	fd40
10259.1	1645	KUA	Unid	???	5lt gps		75	fd40
10412	1904	RFFXL	FF Beirut	LBN	idle	ARQ-E	72	fd40
10412	2120		FF Beirut ?	LBN	wharf test	ARQ-E	72	fd40
11110.5	2330	RFLI	FF Fort de France	MRT	BFL circ	ARQ-E3	192	pcG
11171	1700	RCF	MFA Moscow	RUS	msgs 5lt gps		75	pcG
11312	1715		Unid	???	AR diplo msg	SIT-A	100	pcG
13520	1840	FSB	Interpol Lyon (?ed)	F	"IPUX",cw-ids	SIT-A	100	fd40
13548	1821	H6L	F Emb Algier	ALG	5lt gps	FEC100	192	fd40
14481.7	0800	RFTJ	FF Dakar	SEN	to Pt.Bouet	ARQ-E3	48	pcG
14518.3	1324		Diplo Vienna ?	AUT	diplo msg	ARQ-S	96	pcG
14762.4	2038	NNNOEYD	MARS San Diego,CA	USA	to NOCWT	SIT-A	100	fd40
14762.4	2042	NNNOGKF	MARS Nazareth	USA	to NOCWT	SIT-A	100	fd40
14762.4	2103	NNNOASL	MARS Honolulu,HI	HWI	to NOCWT	SIT-A	100	fd40
14762.4	2116	NNNOGKE	MARS Unid	???	to NOCWT	SIT-A	100	fd40
14762.4	2125	NNNOYNS	MARS Unid	???	to NOCWT	SIT-A	100	fd40
14762.4	2140	NNNONUW	MARS whidbey Isl.,WA	USA	to NOCWT	SIT-A	100	fd40
14762.4	2142	NNNOCWT	MARS USS Chandler	IWA	msgs	SIT-A	100	fd40
14762.4	2152	NNNONAL	MARS Fall River	USA	id	SIT-A	100	fd40
14762.5	1737	NNNONAL	MARS Fall River	USA	E msgs	SIT-A	100	fd40
NNNOGKF, EYD, CWT also hrd in SIT-A on 19918.3 around 1554...								fd40
14896	0915		Unid	???		TORG	198	fd40
14936.4	1705	NNNOASG	MARS Unid	???	wkg NOCCN	SIT-A	100	fd40
16076	1519	DJBT	F Emb Djibouti ?	DJI	id,5lt gps	ARQ6-90	200	fd40
16224	1348	3MA35	CNA Taipei	TWN	E nx		50	fd40
16334	0827	TAO	MFA Ankara	TUR	to 16 embs	FEC-A	144	fd40
16339.4	1459	"CLJ"	MFA Nicosia	CYP	ids	ARQ-E	96	fd40
17547	1941	HDN	EQA Ny Quito	EQA	to LOL/CCS/CXR		75	fd40
18242	1830	ZRO4	Pretoria Meteo	AFS	wx		75	fd40
18321.6	1351		EGY Emb Algier	ALG	to Cairo	ARQ625	100	fd40
18908	1339	TAD	MFA Ankara	TUR	to embs	FEC100	144	fd40
19734.5	1332	URD	St.Petersburg R.	RUS	E to MKFF	SIT-A	100	fd40
20044	1237		BUL Emb Teheran	IRN	to MFA		75	fd40
20106.7	1708		EGY Emb Abidjan	CTI	to Cairo	SIT-A	100	fd40
20228	1548	BRZV	F Emb Brazzaville	CGO	5lt gps	ARQ690	200	fd40
20348.5	1128		PTT Brussels	BEL	msg to Banque Zairoise			fd40
20348.5	1128	9RE203	PTT Lubumbashi	ZAI	msg to Bruss	ARQ-M2	96	fd40
20427	1524	NDJA	F Emb N'Djamena	TCD	5lt gps	ARQ690	200	fd40
20700.1	1508	SAM	MFA Stockholm	S	to Alger	SWED-ARQ	100	fd40
20731	1800		UNHCR Sanaa	YEM	to Geneva	PACTOR		pcG
20731	oftn		UNHCR Nairobi	KEN	fm HCKENNA	PACTOR		pcG
20734	1535		UNHCR Luanda	AGL	E to 4UZ	SIT-A	100	fd40
20734	1632	HCGE	Unid	???	id	SIT-A	100	fd40
20734	1640	4UZ	UNO Geneva	SUI	id:HCGE	SIT-A	100	fd40
20800	1043		CZE Emb	???	to Prague		100	fd40
20810.5	1528	CLP25	CUB Emb Maputo	MOZ	S to CLP1		75	fd40
20813.7	1148	RFTJD	FF Libreville	GAB		ARQ-E	192	fd40
20813.7	oftn	RFTJD	FF Douala	CME	FTI circuit	ARQ-E	192	pcG
20824.5	1312	CLP1	MFA Habana	CUB	to Burkina		50	fd40

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20845.2	1615	RFQP	FF Djibouti	DJI to RFFI	ARQ-M2	200	fd40
22856.2	1309	RPFN	POR Ny Lisbon	POR ry,foxes		75	fd40
22905.5	1730	DMK	MFA Bonn	D to Santiago	ARQ-E	96	fd40
22937	1445	RCF	MFA Moscow	RUS id		75	fd40
23264.3	1635	HGX?	MFA or Emb.	??? 5lt gps	DUPL-ARQ	125	fd40
23322.1	1414	DJBT	F Emb Djibouti	DJI 5lt gps	ARQ690	200	fd40
23690.8	1245	DFX69	PIAB Bonn	D G nx	FEC100	96	fd40

F A X

117.4	1550	DCF37	Offenbach Meteo	D Frankf.temp.		120	fd40
3810	1930	RST75	Minsk Meteo	BLR wx-chart		90/576	fd40
9373.4	1908		Unid	??? NOGAPS chart		120	fd40
NOGAPS = Navy Operational Global Atmosphere Prediction System...fd40							
10117	2144	BAF	Beijing Meteo	CHN wx-chart		90/576	fd40
11030	1430	AXM34	Canberra Meteo	AUS wx-chart		120	fd40
11485	1800		Unid	??? NOGAPS chart		120	fd40
18060	1400	AXI36	Darwin Meteo	AUS intro-chart		120	fd40
20469	1153	AXM37	Canberra Meteo	AUS wx-chart		120/	fd40

Q S L - R E V I E W

AFS-Pretoria Meteo	21	PPC,L/VC,1\$	18242	ZRO	1kw	fd40
ALG-Skikda R.	32	L,C/IRC	12662	7TF8		hb31
AUS-Darwin Meteo	38	own C,L,I/Fo,1\$	back18060	AXI	10kw	fd40
BOL-La Paz Air	40	PPC,L,VC/Fo,1\$	10024		600w	fd40
CEU-NDB Ceuta Lt.	52	PPC,L/RP	311	"CEU"		hb31
CHN-Beijing Meteo	32	PPC,L,VC/VC,1\$	10115	BAF4	2.5kw	fd40
CPV-NDB Praia/Santiago	9m	PPC,Tour-I/IRC	349	"PRA"	300w	fdCNR
D -NDB Neubrandenburg	10	PPC/RP	357	"NRG"		hb31
E -NDB Cabo de Gata Lt.	30	PPC/RP	290	"TA"		hb31
E -NDB Granada	30	L,PPC/RP	285	"GR"		hb31
E -NDB Granada	30	L,PPC/RP	412	"GDA"		hb31
E -NDB Llobregat Lt.	21	PPC/RP	291.9	"OR"		hb31
E -NDB Malaga Lt.	44	PPC/RP via Madrid	305	"GA"		hb31
E -TS San Fernando	79	C/RP	6840	EBC		hb31
ERT-Asmara Air	36	PPC/IRC	11300			hb31
ETH-Addis Air	62	PPC/IRC	11300			hb31
F -NDB Dax	15	PPC,L/RP	334	"DX"		hb31
F -NDB Toulouse	6	PPC/RP	378	"TN"		hb31
F -NDB Toulouse	6	PPC/RP	415	"TOE"		hb31
G -S Emb London	29	PPC/VC,1\$ via MFA	14523	SAM26	1kw	fd40
HWI-ARINC Molokai Isl.	38	C,L/Fo,1\$	8903	KUA3	5kw	fd40
IWA-G Ny Vessel Minden	8	PPC/RP	5680	DREK		hb31
IWA-G Ny Vessel Schlei	15	PPC/RP	5680	DRIM		hb31
IWA-MARS USS America	51	PPC,L,Sti/Fo,1\$	16173.5	NNN0CRZ	750w	fd40
IWA-MARS USS Chandler	60	PPC,Fo/Fo,1\$	14760.3	NNN0CWT	100w	fd40
IWA-MV Ferry Marrakech	183	PPC/RP	2182	CNDT		hb31
MEX-Merida Air	51	PPC,Sti/Fo,IRC	8918		500w	fd40
MRC-NDB Tanger	16	PPC/RP	398	"TBR"		hb31
NZL-Wellington R.	21	QSL fr last day	xmission 17140.4	ZLW	10kw	zeTC
S -MFA Stockholm	29	PPC/VC,1\$	14523	SAM	1kw	fd40
USA-MARS Ft.Lauderdale,FL	18m	C/Fo,1\$	14477	NNN0XPQ		fd40
USA-MARS Nazareth,PA	24	PPC/Fo,\$	14762.5	NNN0GKF	800w	fd40
USA-MARS Whidbey Isl.,WA	23	C,PPC,I,L/Fo,1\$	14762.5	NNN0NUW	500w	fd40
VTN-VNA Hanoi	42	PPC,VC/Fo,IRC	10600	XVN37	10kw	fd40

A D D R E S S E S

NNN0XPQ Fort Lauderdale: New zip code is Fort Lauderdale, FL 33334
 NNN0EYD San Diego: San Diego, CA 92117-1220
 NNN0GKF Nazareth: complete zip code is 18064-1196 (all by fd40)
 NDB Ceuta Lt. "CEU": Faro de Punta Almina, Monte Hacho, E-11701 Ceuta (hb31)

I N F O S

Some MARS locations received by fd40:

NNNOMBA	MCLB Barstow, CA
NNNOASL	Honolulu, HI
NNNOMOC	Camp Butler, Okinawa, Japan
NNNOMHK	Kaneohe, HI
NNNOGKF	Nazareth, PA
NNNOBYR	Orange City, FL
NNNOFLH	Jacksonville, FL
NNNOFZQ	Vinita, OK
NNNOEPY	Dewitt, MI
NNNOEYD	San Diego, CA
NNNOAZT	Kaneohe, HI
NNNOEZA	San Antonia, TX

mm35 has some additional remarks to the list of german police nets by pcG (10/93), which he finds very interesting:
 "GK" is no longer existing. In the course of the restructuring of the Bundesgrenzschutz (BGS - German Federal Border Police) the Grenzschutzkommando Kste in Bad Bremstedt has been put together with the Grenzschutzkommando Nord in Hannover. The name "Grenzschutzkommando" has been deleted instead of "Ziviles Grenzschutzpr.,sidium" (Civil Border Police HQ). The id for GP Nord is GN. the id BR does not belong to Berlin, but to Brandenburg with the HQ in Potsdam. DO is the Police HQ in Dortmund. PH may be Police Academy in Hamburg and AG the training group of BGS in Bad Bramstedt. MA, as it was logged by Peter, is not known to Michael, may be Magdeburg in Sachsen-Anhalt. The letter "V" in the center of the header doesn't stand for "von" (from), but is the channel marker; "V" is the primary channel, "W" would be the secondary a.s.o. to "Z". The triple letter group in the header indicates the degree of urgency of the following message: "EEE" is stands for an "Einfach-Meldung" (simple message), "SSS" stands for "Sofort-Nachricht" (immediate message), "BBB" stands for "Blitz-Nachricht" (flash message) and "AAA", as highest degree stands for "Staatsnotstand-Nachricht" (Republic in the state of emergency message or similar).

I still would like to receive money from rvNL and hl71. Fee received from msNL and from mmI. Thanks a lot. We say a hearty welcome to our new member from Italy, Massimiliano M. Have a good time with the NL!!

That's it again for one month or so. Many thanks to zeTC, fd40, pcG, maNL, hb31, js33, nr76, wk08, mm35, dp41 and ps50.

Hi everyone. Nice to meet you. This very last issue of the year is distributed very timely, as I will be on vacation in Northern Denmark from 26th December till 13th January. Nevertheless we have a good input this month:

NON DIRECTIONAL BEACONS

284	2045	VN	Capo Vaticano Lt.	I	id+dash	nr78
287.5	2050	MC	Sta.Maria di Leuca Lt.	I	id+dash	nr78
291.5	2203	KL	Nos Kaliakra Lt.	BUL	id+dash	nr78
291.5	2204	EI	Nos Emine Lt.	BUL	id+dash	nr78
291.5	2205	MN	Maslen Nos Lt.	BUL	id+dash	nr78
295.5	2125	CR	Cap Couronne Lt.	F	id+dash	nr78
296	0347	MG	Ljubljana	SLO	id	mo76
296	2125	MG	Ljubljana	SLO	id	nr78
302	2130	NIK	Niksic	YUG	id+dash	nr78
320	2106	MLG	Gozo	MLT	id	nr78
323	0053	AB	Albi/La S,questre	F	id+dash	nr78
339a	0042	AY	Unid	???	id	nr78
340	2137	ISA	Treviso/Istrana	I	id	nr78
345	0046	FW	Rome/Fiumicino	I	id	nr78

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375	2050	TR	Tor/Ekofisk	IWA	id	nr78
381	2056	AB	Akraberg	FAR	id	nr78
390	2140	VAL	Valjevo	YUG	id+dash	nr78
397	2142	EG	Grenoble/St. Geoirs	F	id+dash	nr78
404	2106	NL	Nolsoe	FAR	id	nr78
421	0120	SAL	Zadar/Sali	HRB	id one in 13s, no dash	nr78
435a	2040	BR	Unid	???	id+dash	nr78
470a	0133	BK	Unid	???	id+dash	nr78
513	2125	CLJ	Cluj	ROU	id	nr78

M A R I T I M E

484	2235	4XO	Haifa R.	ISR	cw-tfc list	nr78
2182	0805	3VT	Tunis R.	TUN	F clg all ships	mo76
2182	1906	OYE	Roenne R.	DNK	E clg all ships	mo76
2182	2106	9HD	Malta R.	MLT	E clg all ships	mo76
2182	2133	SDJ	Stockholm R.	S	E clg all ships	mo76
2182	2134	IDC	Cagliari R.	I	I/E clg all ships	mo76
2182	2136	IPD	Civitavecchia R.	I	E/I clg all ships	mo76
2182	2137	IPP	Palermo R.	I	I clg all ships	mo76
2182	2151	EAT	Tenerife R.	CNR	E/S clg all ships	mo76
2182	2153	SAA	Karlskrona R.	S	E clg all ships	mo76
2182	2154	4XO	Haifa R.	ISR	E wkg V2ME	mo76
2182	2156	OFH	Mariehamn R.	FNL	E clg all ships	mo76
2182	2204		Arrecife R.	CNR	E/S pan msg	mo76
2182	2206		POR Ny Apulia	POR	S clg ELIM9	mo76
2182	2233	GLD	Lands End R.	G	E securit,	mo76
3678	2142	SXH23	GRC Ny Kriti	GRC	cw-vvv	mo76
4236	1025	UDH	Riga R.	LVA	cw-cq	mo76
4271	1017	OFJ4	Heelsinki R.	FNL	cw-id	mo76
5063.7	1912	9MB	MLA Ny Penang	MLA	cw-vvv	mo76
6462	0608	FUM	F Ny Papeete	OCE	cw-vvv	mo76
8294	1237	OMC	Bratislava R.	SVK	SLV wkg ship	mo76
8417	0644	WNU	Slidell R.	USA	cw-id	mo76
8469	1740	D4A6	Sao Vicente R.	CPV	cw-cq	mo76
8474	0653	JYO	Aqaba R.	JOR	cw-cq	mo76
8515	0603	5AT	Tripoli R.	LBY	cw-vvv	mo76
8539	1531	VPS	Cape d'Aguilar R.	HKG	cw-cq	mo76
8568.5	0818	XFM	Manzanillo R.	MEX	cw-cq	mo76
8623.7	1012	5BA	Cyprus R.	CYP	cw-cq	mo76
8628.5	1935	NOJ	USCG Kodiak	ALS	cw-cq	mo76
8632	1533	XSW	Kaohsiung R.	TWN	cw-cq	mo76
8650	1639	ESP	Tallin R.	EST	cw-cq	pcG
8686	0905	CNP	Casablanca R.	MRC	cw-cq	mo76
8690	0607	3DP3	Suva R.	FJI	cw-cq	mo76
8728	1700	3AC8	Monaco R.	MCO	F/E/I id	mo76
12583.5	0630	CBV	Valparaiso R.	CHL	cw-id	mo76
12606	0643	WLO	Mobile R.	USA	cw-id	mo76
12689.5	0618	PPJ	Junccao R.	B	cw-vvv	mo76
12691	1541	FUX	F Ny St. Denis	REU	cw-vvv	mo76
12800	1535	HSA3	Bangkok R.	THA	cw-cq	mo76
12808.5	1403	VTG7	IND Ny Bombay	IND	cw-vvv	pcG
12811.3	1408	HZY	Ras Tanura R.	ARS	cw-tfc	pcG
12906	1126	DZJ	Bulacan R.	PHL	cw-cq	mo76
12993	0621	URL	Sevastopol R.	UKR	cw-cq	mo76
13042	0902	P2M	Port Moresby R.	PNG	cw-cq	mo76
13076.5	1016	HZG	Dammam R.	ARS	cw-de	mo76
16812.5	0658	NMC	USCG San Francisco	USA	cw-id	mo76
16816	0702	ZSC	Cape Town R.	AFS	cw-de	mo76
16829	0706	OST	Oostende R.	BEL	cw-id	mo76
16957.5	0711	FUJ	F Ny Noumea	NCL	cw-vvv	mo76
17004	1559	HKB	Barranquilla R.	CLM	cw-cq	mo76
17223	0904	A4M	Muscat R.	OMA	cw-de	mo76
17230.1	1601	CWA	Cerrito R.	URG	cw-cq	mo76
22452	0912	XSQ	Guangzhou R.	CHN	cw-cq	mo76
22575.5	0923	PKX	Jakarta R.	INS	cw-cq	mo76

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

5568	0046	LDOC LIAT Juliana	STB	E	clg	Golden Rock	mo76
5568	2250	LDOC LIAT Adams	BRB	E	wkg	Bird	mo76
5568	2250	LDOC LIAT Bird	ATG	E	wkg	Adams	mo76
5568	2301	LDOC LIAT Beef Island	VRG	E	wkg	unid	mo76
5568	2325	LDOC LIAT Vigie	LCA	E	clg	Pt. Salines	mo76
5622	0559	Sofia Air	BUL	E	id		mo76
5658	2007	Bombay Air	IND	E	wkg	Indonesian 973	mo76
5658	2013	Madras Air	IND	E	wkg	Singapore 26	mo76
5658	2110	Djibouti Air	DJI	E	wkg	Addis	mo76
5680	1637	Edinburgh Rescue	G	E	wkg	Rescue 121	mo76
6556	1849	Colombo Air	CLN	E	clg	Madras	mo76
6556	2131	Jakarta Air	INS	E	wkg	Springbok 282	mo76
6556	2132	Male Air	MLD	E	wkg	Seychelles 664	mo76
6556	2132	Perth Air	AUS	E	clg	Bali	mo76
6556	2137	Kuala Lumpur Air	MLA	E	wkg	Singapore 411	mo76
6556	2138	Calcutta Air	IND	E	wkg	Yangon	mo76
6556	2138	Yangon Air	MYA	E	wkg	Calcutta	mo76
6586	2002	Accra Air	GHA	E	wkg	Ouagadougou	mo76
6586	2002	Ouagadougou Air	BUF	E	wkg	Accra	mo76
6586	2003	Abidjan Air	CTI	F	wkg	Ouaga	mo76
6730	2053	Tashkent Volmet	UZB	R	wx		mo76
8819	2114	Karaganda Volmet	KAZ	R	wx		mo76
8825	1711	Santa Maria Air	AZR	E	wkg	unid flight	mo76
8855	0354	Paramaribo Air	SUR	E	wkg	unid flight	mo76
8855	0411	Cayenne Air	GUF	F	wkg	AF...	mo76
8855	2245	Piarco Air	TRD	E	wkg	unid flight	mo76
8861	0349	Canarias Air	CNR	E	wkg	KLM	mo76
8861	1847	Nouakchott Air	MRT	F	clg	Dakar	mo76
8873	2052	Douala Air	CMR	F	wkg	Libreville	mo76
8873	2052	Libreville Air	GAB	F	wkg	Douala	mo76
8879	1716	Lilongwe Air	MWI	E	wkg	unid flight	mo76
8879	1727	Lusaka Air	ZMB	E	clg	Dar	mo76
8879	1842	Mauritius Air	MAU	E	wkg	Mauritius 749	mo76
8879	1905	Seychelles Air	SEY	E	wkg	unid flight	mo76
8879	2141	Beira Air	MOZ	E	wkg	Tanana	mo76
8879	2141	Tananarive Air	MDG	E	wkg	Beira	mo76
8903	1622	N'Djamena Air	TCD	F	clg	Kinshasa	mo76
8903	1636	Bangui Air	CAF	F	clg	N'Djamena	mo76
8903	1735	Kinshasa Air	ZAI	E	clg	Kano	mo76
8903	1852	Niamey Air	NGR	E	wkg	unid flight	mo76
8903	2051	Luanda Air	AGL	E	wkg	Springbok 228	mo76
8903	2202	Kano Air	NIG	E	clg	Luanda	mo76
8913	1856	Kisangani Air	ZAI	F	clg	Kigali	mo76
8913	2048	Bujumbura Air	BDI	E	wkg	unid	mo76
8918	1655	Bahrain Air	BHR	E	clg	Malaysian 151	mo76
8957	1041	Shannon Volmet	IRL	E	wx		mo76
10018	0228	Kabul Air	AFG	E	wkg	unid	mo76
10024	0232	Iquitos Air	PRU	S	wkg	Lima	mo76
10024	0232	Lima Air	PRU	S	wkg	Iquitos	mo76
10057	1915	Brazzaville volmet	COG	F	wx		mo76
10066	1441	Kathmandu Air	NPL	E	wkg	Yangon	mo76
10066	1907	Dhaka Air	BGD	E	wkg	unid flight	mo76
10072	1740	LDOC Bombay	IND	E	wkg	Air India 873	mo76
11176	1804	USAF Ascension	ASC	E	wkg	Raven 15	mo76
11300	1640	Asmara Air	ERT	E	wkg	LH 590	mo76
11300	1729	Khartoum Air	SDN	E	wkg	Nairobi	mo76
11300	1729	Nairobi Air	KEN	E	wkg	Khartoum	mo76
11300	1746	Addis Air	ETH	E	clg	ELY525	mo76
11300	1746	Aden Air	YEM	E	wkg	Nairobi	mo76
11300	1853	Entebbe Air	UGA	E	wkg	Nairobi	mo76
11300	1918	Dar Air	TNZ	E	wkg	Sana'a	mo76
11300	1918	Sana'a Air	YEM	E	wkg	Dar	mo76
13330	1353	LDOC MEA/Cedar Base	LBN	E	wkg	512	mo76

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FIXED BANDS

5000	0657	YVTO	TS Caracas	VEN	ts, time anns	mo76
6825	0924	FAV22	F Army Mons-Val,riens	F	cw-vvv	pcG
6840.5	0955	FDE14	FAF Cazeaux	F	cw-vvv	pcG
7512.5	1236	OUN	LORAN Ejde	FAR	E wkg TFR2	mo76
7512.5	1236	TFR2	LORAN Keflavik	ISL	E wkg OUN	mo76
7512.5	1237	TFR	LORAN Sandur	ISL	E wkg TFR2	mo76
7512.5	1238	JXP	LORAN Jan Mayen	JMY	E wkg TFR2	mo76
7512.5	1239	DML	LORAN Sylt	D	E wkg TFR2	mo76
7512.5	1239	JXL	LORAN Boe-i-Vesterfjell	NOR	E wkg TFR2	mo76
8005	2011	5TQ2	SNIM Nouadhibou	MTN	F return 8175	mo76
8175	2011	5TQ7	SNIM Zou,rate	MTN	F return 8005	mo76
9106	2348		BAS Faraday	ANT	E wkg BAS Signy	mo76
9106	2348		BAS Signy	SOK	E wkg BAS Faraday	mo76
9106	2357		BAS Halleygalli	ANT	E wkg BAS Faraday	mo76
10000	1357	WVH	TS Kekaha	HWI	time anns	mo76

RADIO TELETYPE

3196.3	1657	OLB7	Prague Meteo	TCH	wx for OKPR	50	mo76
3560.2	1910	YKW1	SANA Damascus	SYR	E nx	50	mo76
4786.1	0450		Dakar Air	SEN	ry, cq	50	mo76
4788	2146	6VU23	Dakar Air	SEN	cq	50	pcG
5266.7	cont		Unid	???	idle	ARQ E3 192	pcG
5275	2136	SUA211	MENA Cairo	EGY	F nx	50	pcG
5400.3	1422	YOG37	Bukarest Meteo	ROU	wx	50	mo76
5456.6	2050	RFFICS	FF Paris	F	to Librevil	ARQ E 192	pcG
5754	0943	RFFZEVO	FF Sarajevo	BOS	to Paris	ARQ E 72	pcG
5795	0940	FDY	FAF Orl,ans	F	le brick...	50	pcG
5797.5	cont		Unid	???	idle	ARQ E3 192	pcG
5804	0548	9GC	Accra Meteo	GHA	ry	50	mo76
5848.1	0600	TUH	Abidjan Air	CTI	ry,testing	50	mo76
6794.5	1022	RFFA	FF Paris	F	to Sarajevo	ARQ E 72	pcG
6972.3	1633	YOG59	ROMPRES Bukarest	ROU	F nx	50	mo76
6976	1612	RFFHCA	FF Ajaccio	F	to Marseille	ARQ E 72	pcG
6979	2215	RFQP	FF Djibouti	DJI	c.de voie	ARQ E3 100	pcG
7523	oftn	TYE	Cotonou Air	BEN	wx	ARQ342 96	pcG
7606.7	0756	RFF?	FF Paris	F	Dakar link	ARQ E3 192	pcG
7610.3	2200	3XA	Conakry Air	GUI	ry,testing	50	mo76
7614	cont	RFF?	FF Marseille	F	to Ajaccio	ARQ E 72	pcG
7626.3	0538	TZH	Bamako Air	MLI	ry	50	mo76
7658.3	1706	YZD	TANJUG Beograd	YUG	E nx	50	mo76
7712	1200		Unid	???	idle	ARQ E 72	pcG
7820	1653	"VSG"	MFA Bucharest	ROU	crypto tfc	ROU FEC164	pcG
7957.5	1454	RFFA?	FF Paris	F	msgs	ARQ E 72	pcG
7959.1	1937	9BC23	IRNA Tehran	IRN	E nx	50	mo76
8050.2	2151	RFQP	FF Djibouti	DJI	c.de voie	ARQ342 200	pcG
8624.9	1008	GYU	R Ny Gibraltar	GIB	marker	75	mo76
9114	1014	HGG31	MTI Budapest	HNG	test	50	pcG
9114.1	1721	HGG31	MTI Budapest	HNG	E nx	50	mo76
9430.7	1106	ZAT	ATA Tirana	ALB	E nx	50	mo76
10162.8	1416	YIL70	INA Baghdad	IRQ	E nx	50	mo76
10400.2	2047	RFQP	FF Djibouti	DJI	msgs	ARQ342 200	pcG
10493.7	1630	RFTJF	FF Port Bouet	CTI	to Dakar	ARQ E3 48	pcG
10599.8	1202	XVN37	VNA Hanoi	VTN	ry	50	mo76
10917.7	2306	RFTJ	FF Dakar	SEN		ARQ E3 48	pcG
11536	1204	HMF49	KCNA Pyongyang	KRE	F nx	50	mo76
12282.6	2035	ZPK	PRG Ny Asunci�n	PRG	S msgs	75	mo76
14322	1633		Unid in ham band	???	idle	ARQ E 96	pcG
14367	1015	BZP54	Xinhua Beijing	CHN	test	75	pcG
14578	1023	RFFXL	FF Beirut	LBN	to Versailles	ARQ E 72	pcG
14670	1030	RFFVAT	Unid	F	id	ARQ342 200	pcG
5 letter messages RFFVGI de RFFVAT... no channel id							
14926.7	1647	RFTJ	FF Dakar	SEN	to Librevil	ARQ E3 192	pcG
17551	oftn	RFTJ	FF Dakar	SEN	to Paris	ARQ E3 192	pcG

also heard by Peter on 5100.2 (2300-0500), 12090.2 (1827), 18553.7 (1000)..

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18255.1	0829	ATB68	IndInfo New Delhi	IND ry cq		50	mo76
18503.7	????	RFF?	FF Paris	F wx	ARQ E	192	pcG
19216.7	1625	RFLI	FF Fort de France	MRT to Papeete	ARQ E3	96	pcG
19646.7	????	RFLIG	FF Cayenne	GUF to F.de Fra	ARQ E3	192	pcG

Q S L - R E V I E W

AUS-Perth Air	32	PPC,L,VC/VC	11396			5kw	ai47
CNR-Las Palmas R.	395	C,I/VC,IRC f/up	2182	EAL		1kw	ai47
CZR-PTT Prague	204	PPC,C,VC/VC,IRC back	8142	OLX		5kw	ai47
D -NDB Hannover/west	11	PPC/VC	358	"HW"		15w	zeTC
D -NDB Leipzig	15	PPC,L,IRC!/VC	357	"MA"		30w	zeTC
D -NDB Leipzig	15	PPC,L/VC	434	"SK"		30w	zeTC
G -NDB Aberdeen	324	PPC,L/VC,SASE	348	"ATF"		200w	ai47
G -R Ny Faslane	12	PPC,L,I/VC,SASE	3390	MGJ		300w	ai47
G -R Ny London	32	PPC/VC,SASE	14383	GXQ		500w	ai47
G -RAF Stafford Alpine 20	20	PPC/VC,SASE	5680	Alpine20			ai47
G -RAF Valley Alpine 21	20	PPC/VC,SASE	5680	Alpine21			ai47
GRC Ny Chania	82	PPC/VC	3678	SXH32			ai47
GRC-Mytilini Air	34	PPC,Tour-I/VC	5637			600w	ai47
IWA-G Ny Vessel Emden	13	PPC/VC,SASE	6779	DRAT		100w	ai47
IWA-MV Auersberg	132	PPC,L,Fo/VC,SASE	8297	Y5CN		200w	ai47
IWA-MV Essen Express	109	PPC/VC,IRC	16528	DHEE		750w	ai47
IWA-Platform Polycrown	331	PPC,L,Ham-C/VC,SASE	2182	LAFQ		400w	ai47
IWA-Ross Rig	167	PPC,Ham-C/VC,SASE	2117	JXCX		200w	ai47
LUX-NDB Luxembourg	14	PPC/VC	368.5	"ELU"		50w	zeTC
LUX-NDB Luxembourg	14	PPC/VC	404	"LW"		50w	zeTC
SYR-SANA Damascus	78	L,I/VC,IRC regist.	11080				ai47
USA-MARS Bawdoinham,ME	14	PPC/VC,SASE	14477	NNNOWN		125w	ai47
USA-MARS Bowie,MD	21	PPC,Ham-C/VC,SASE	14391.5	NNN0KXW		1kw	ai47
USA-MARS Falmouth,ME	98	Ham-C/VC,SASE	14391.5	NNN0TDU			ai47
USA-MARS Milford,MI	142	PPC,Ham-C/VC,SASE	14383.5	NNN0YNR		1kw	ai47
USA-MARS Waterford,NY	44	PPC,L,Ham-C/VC,SASE	14477	NNN0GPM		100w	ai47
USA-USCG Chesapeake,VA	57	C,I/VC,SASE back	16976	NMN		10kw	ai47
YEM-Aden Air	58	PPC,L/VC,1\$	11300				ai47

I N F O S

Just one further remark from my side: If you would like to submit photocopies of QSLs, computer outprints or the like please make sure that these prints have a good quality, otherwise it is v e r y difficult to publish them in the NL in a sufficient and readable quality. Thank you!!

I received the fee from the following guys: ai47, zeTC, hb31, h171 (sry), bg48 and a few others, who transferred their fee onto my account, which I haven't checked yet. Thanks a lot, also for the "overpayment". From rb64, fd40, bf41, ah75, wk08, mm35, km40, rp47, mo76, dp47, ps50, js38, ht45, sw67 and bg22 fees are due.

That's it again for one month or so. Many thanks to zeTC, fd40, pcG, nr78, mo76, and ai47.

The last thing I can do for you this year is to wish you all a Merry Christmas and a Happy New Year. See you!

P.S. Thanks to all of you, who sent Christmas greetings!!!