

# the n.r.c. t.a. log

This log represents the culmination of nearly three months' updating and cross-referencing last years edition. We have included information from the World Radio-TV Handbook, the E.B.U. lists, items appearing in DX NEWS and DX MONITOR, as well as items taken from several foreign clubs' bulletins. We believe that we have taken what was already the most comprehensive single-entry reference for the serious TA MW DX'er and improved upon it in several ways. Two of these are the inclusion of even-channel TA stations, and the inclusion of non-consecutive station schedules. We have deleted the EBU measurements due to the rapidity of changes and the unavailability of any recent listings here in Northern New Jersey. Once again, all times are listed in EST, as a majority of those who will make use of this listing live in that zone, and hence the need for computation is reduced.

The editors, 11-30-73

edited by page taylor & russ edmunds

Price - \$3.00 US

N.R.C. LOG OF EUROPE, AFRICA AND THE NEAR EAST  
exclusive of even frequencies

Freq	Location	Pwr	Net/ Program	On	Off	Special Notes
539	Budapest	300	Kossuth	2230	1825	(0000-1800)
	Al Kuwait	2 x 750	-	2125	1715	Ramadan
	Mangoche	1	E	2200	1610	(/2300)
548	Leningrad/Odessa	150	Mayak	2000	1800	
	Oran	600	A	0100	1900	-2000 Ramadan
	Kitwe (Zambia)	20	GS	2155	1600	Sa: 0000-1500 Su: 0000-1510
557	Braunschweig +1	400/800	DLF	-----NSP-----		
	Helsinki	100	I	2300	1700	(0030)
	Cairo	50	III	0000	0200	(0330)
	Monte-Ceneri	50	Italian	0330	0900	(Tu/Sa 0915-1000)
	Greifswald	10	DDR	0330	1700	
	Oraiova	200	II	0000	1800	(0100)
	Guarda +1	10	ENR-1	-----NSP-----		
	Volgograd	10	1 / 2	2300	1800	
	Tougourt	1	A	0100	2000	Maj.: 1700-2000
	Capetown	10	A	0100	1900	
566	Berlin	100/33	SFBI	-----NSP-----		DA-N
	Athlone	100		0230	1850	(0300)
	Bologna +2	25	1	0005	1800	
	Valença do Minho	10	ENR-1	0100	2000	
	Homs (Syria)	300	A	2300	1830	late for Ram.
	Durban	5	E	2200	1615	Sa: 2330-1705 Su: 0000-1600
575	Leipzig/Wiederau	120	DDR	-----NSP-----		
	Stuttgart	300	SDRI	2305	1815	(2350)
	Riga	100	1	2200	1800	Latvia
	Johannesburg	5	G	2200	1700	(2300)
	Mityana (Uganda)	100	Blue	2200	0630	(0915)
	Tel-Aviv	200	A	0825	1610	(0930)
	Bragança	1	ENR-1	0100	1705	
	Wien +3	150	I	0100	2000	Portugal
584	Torshavn (Faeroes)	5		0000	1805	1330-1500 (Sa 1815)
	Paris/Marseilles	1	FI	0215	0300	(0900) SU: 0900-1430
	Madrid	100/200	1	0700	0800	
	Salisbury	2	E	2330	1800	
	Zanzibar City	2		2330	1800	
587v	Riyadh	1000	II	2200	0030	Ramadan
593	Sofia/Pleven	250	I	0900	1800	
	Sundsvall	150	I	2350	1700	(0125)



593	Ordzonikidze	150	II		2100	1700	Majak
	Lilongwe	10			2200	1610	(2300)
	Oidja	100	A		0000	2200	/Ramadan
	Kaduna	10/250		(PC:0845)	2330	1715	Eng/Hausa SA:2330-1705 SU:0000-1615
602	Bloemfontein	5	A		2200	1615	
	Bucharest	14	I		2200	2000	
611	Karl Marx Stadt	5	BRF		2200	2100	
	Abafon (Nigeria)	10	WNBS		2342	1805	
	St.-Denis	8	ORTF		2130	1345	Reunion
	East London	2	G		2200	1700	(2300)
	Sfax	5	Local		2358	1830	
	Warnemunde	10	DDR-1		-----NSP-----		
	Nicosia	20			2300	1700	
629	Lyon/Tramoyes	150/250	I		2320	1700	
	Schwerin	300	DDR		-----NSP-----		
	Grafenwöhr	10	AFN		-----NSP-----		
	Petrozavodsk	100	1		2100	1603	
	Kraznodar	20	Mayak		2000	1700	
	Sarajevo	300			1400	1805	
	Nairobi	100	Nat'l		2155	1505	SA: -1615 SU: 2255-
	Sebaa Aioun	140	A		0000	2200	late/Ramadan
	Gwelo (Rhodesia)	100	G		2255	1600	SA: -1700 SU: 2358-1505
	Kukarova	300			2255	1700	Turkey
638	Aldrans +2	25	II		2300	1805	(0000)
	Erfurt	20	DDR		-----NSP-----		
	Vigra	100	1		0000	1800	
	Timisoara	135	1		1 300	1700	also FS
	Monrovia/ELBC	10			0115 0700	0500 1900	SU: 0130-1900
	Tunis-Djedida	600	A		2358	1830	/Ramadan
	Lusaka (Rhodesia)	10	Home		2155	1600	
	Mirando do Douro	1	ENR-1		0100	2000	
	Praha	150	Praha		2230	1800	SU: 0030- F/SA: -2005
	La Coruna	100	1		0000	2100	
	Benin	5			2330 0850	0745 1805	
	Johannesburg	5	E		2258	1615	SA:2330-1705 SU:0000-1615
645	Kampala		Blue		see	575 kHz.	
	Limassol	100	BBC		0800 2245	1600 0045	
	Tabriz	100			2120	1530	Iran
647	Daventry +4	150	3/Eur		0200	1900	SU: 0300- FS: 2300-0130
	Simferopol	100	World Radio History		2155	1700	

647	Tovarnik +2	20		0100	1800	
656	Potsdam	20	BRG	2200	2100	
	Napoli +4	120	1	0005	1800	
	Murmansk	150	1 / 2	2100	1700	Maj: 1700-2000
	Grozny		Mayak	2100	1600	
	Ibadan (Nigeria)	10		2342	1805	
	El Aaiun	50	EAJ203	1345	2000	Sp. Sahara
	Capetown	10	E	2200	1615	SA: 2330-1705 SU: 0000-1615
	Dar-Es-Salaam	100		<del>2200</del> <del>0900</del>	<del>2230</del> <del>2000</del>	Tanzania
	Tel-Aviv	100	B	2300	1200	0000- SA
	Rohrdorf	150/300	SWF1	1200	1805	SU: 0030- SA: -1900 Bodenseesender
665	Athina	15	3	1100	1700	
	Höfn (Iceland)	5		0200	1830	SA: 0200-1900 SU: 0330-1830
	Lisboa	135	ENR-1	0100	2000	
	Kaunas	100		2100	1800	
	St. Pierre	4		2130	1345	Reunion
	Pietermaritzburg	5	A	2258	1615	SA: 2330-1705 SU: 0000-1615
	Damas-Sabboura	100	A	2300	1830	late/Ramadan
	Marseille	150	I	2330	1700	
	Bodø	10	I	0000	1800	Norway
	Chernovtsy +1	100	1	2200	1700	
674	El Gawarsha	100		2330	1830	late/Ramadan
	Mzimba (Malawi)	1		2200	1610	(2300)
	Blomfontein	5	E	2258	1615	SA: 2330-1705 SU: 0000-1615
	Ad Dawhah	10		2130 0430	0100 1430	FR: 2130-0300 0800-1430
	Ramallah	20	D	0358 2300	1715 0200	AA Svc/Ramadan
	Hof	40	RIAS 3	2225	1935	(2300)
	Sevilla	125/250	RNE-2	-----NSP-----		
	Belgrade	400	I	2200	1805	S/Su/Mon 24h
	Forest Side	10		2100	1330	Mauritius
	Bulawayo	2	E	2255	1600	SA: -1700 SU: 2358-1505
677	East London	2	E	2200	1615	SA: 2330-1705 SU: 0000-1615
	Suhl/Wachenbrunn	250	DDR 1	-----NSP-----		
	Moorside Edge +5	300	BBC4	0125	1848	(0250)
	Viseu	1		0100	2000	
	Ufa	100	3	2000	1500	
	Algiers	4	K	0130 0700	0400 1730	(0130-1730)
	Kinshasa	600		-----NSP-----		
	Durban	5	A	2258	1615	SA: 2330-1705 SU: 0000-1615



	692	Nicosia	20	1		2300	1705		
	701	Andorra	250			0000	2100		
		Praha	100	2		2230	2000	(0000)	
		Aachen +2	5	WDR		2350	1900		
		Finnmark	20	1		0000	1800		
		Luanda	5			0000	1900	SA:-2100;SU0130-	
		Sebaa Aioun	140	B		<del>0200</del> <del>0200</del> 1200	<del>0400</del> <del>1800</del> 1900	SA also 1000-1200	
		Grahamstown	5	A		2258	1615	SU 0200-1900	
		Masirah	750	BBC rel.		2045	0730	Ramadan	
		Istanbul	150	1		2255	1700		
		Banska/Bystrika+2		B		2200	1800	(0000)	
	719	Munich	150	RFE					
		Porto/Norte	100	ENR-1		0100	2000		
		Oestersund	150	1		2350	1700	(0125)	
		Johannesburg	5	A		2258	1615	SA: 2330-1705 SU: 0000-1615	
		Sfax	100	1		2358	1830	Ramadan	
		Limassol	100	BBC		0800 2245	1600 2045		
		Lodz		2		2257	1800		
	726	Mashad, Iran	10			0220 0800	0330 1200		
	728	Mirandela	10	ENR-1		0100	2000		
		Oviedo	50	RNE-1		0000	2100		
		Klagenfurt	25	R2		2300	1805		
		Berlin/Koepeneck	250	BRF		2300	2200		
		Athens	150	1		see	1562 kHz.		
		Capetown	10	C		2200	1700	(2300)	
		Bukedi	100	Red		2200 0100 0825 0900	0045 0630 0845 1600	(0915)	
	737								
		Hof-Saale	40	RIAS		0241	1040		
		Chelyabinsk	50			0100 1100	0700 1800	Majak	
		Akureyri	5			0200	1830		
		Poznan	300			2257	1800	(2327)	
		Barcelona	125/250	RNE		---NSP---			
		Lourenco Marques	50	A		2300	1710		
		Asyut	100			2300	1700	Ramadan	
	**	Tel Aviv	600	D		2300	0200	& 0358 - 1715	
	746	Lopik	120	1		0030	1800		
		Aleppo	100	A		2300	1830	Ramadan	
		Karaganda	20	1		1900	1500		
		El Aioun	2.5			1345	2000	//656	

746	Plovdiv	30	2	0030	1630	
	Cottbus	20	DDR-1	-----NSP-----		
	Tlemcen	1		0100 0700	0402 1900	(0100-1900)
	Nairobi	100	GS	0155 0755	0130 0548	SA: 2155-1510 SU: 2255-1510
755	Kuopio	20	R1	2300	1700	
	Braunschweig +1	200	DF	-----NSP-----		
764	Lisbon	135	ENR-2	0200	1700	
	Boldur	400	1	2200	1200	(HS) FS: 1200-1800
	Blantyre	10		2200	1610	(2300)
	Steamer Point	50		0600 2200	1700 0030	So. Yemen Ramadan
	Sottens	150	F	0000	1730	
	Odessa	10	R Mos.	2155	1700	
	Dakar	200	II	0100	1900	
773	Pietermaritzberg	5		2258	1615	SA: 2330-1705 SU: 0000-1615
	Omdurman	100		2200	1700	Ramadan
	Salzburg +14	1	R	2300	1805	(0000)
	Sofia +1	30		2205	1830	
	San Sebastian	20	RNE	0000	2100	
	Stockholm +1	150		2350	1700	(0125)
	Voronej	20		2100	2000	Majak
	Cairo	500	CP	0700 2300	1700 0115	Ramadan
	Ucka + 4	20		0100	1500	
	Zehedan	100		2125	1540	
782	Burg	250	D	-----NSP-----		
	Porto/Miramar	100		-----NSP-----		
	Kiev	100		2200	1100	Majak-1100-1700
	Rijeka +1	2		0000	1800	
	Blomfontein	5	C	2200	1700	(2300)
	Tartus	600	A	2300	1830	
	Karaganda	20	Maj./RMos	1600 1930	1930 1500	
	Limoges	50/250	FI	2320	1700	
791	Thessaloniki	50	VOA	1000	1900	Mx. of U.S. pgm. 1730-1900
	Mombasa	20		2155	1505	SA: 2255-; SU: -1615
	Gatooma	1		2255	1600	Sat. -1700 Sun. 1505
	East London	5	A	2258	1615	SA: 2330-1705 SU: 0000-1615
	Astrakhan	50.	RMos	2100	1600	Maj: 1600-2000
	Crowborough	400	ES/	0100 0200	0130 0830	0800-0830 1800-1830
809	Burghead/W'glen +3	100	4E	0125	1848	(0250)
	Acholi	100	Red	see 728 kHz.		
	Reus	2	EAJ-11	0055	1915	

HBT  
A/B 0117  
760



*BBC  
WORLD SERVICE  
1971-0015*

*AT DUBLIN 2 ✓  
WEXFORD 1-*

809	Sevilla	5	EAJ-5	0000	2100	
	Kouibychev	10	2	2100	1700	Majak
	Skopje +1	1000		2300	1800	
	Grahamstown	5	C	2200	1700	(2300)
	Abu Dhabi	50		2130	1500	
818	Andorra	300	Sud R,	0000	1900	
	Trieste	25	I	0005	1800	
	Warsaw	300		2257	2000	(2327)
	Rabat	25	A	0000	2200	Ramadan
	Batra	450	A2	2300	1855	Ramadan
	Lusaka, Zambia	2	GS	2155	1600	SA: -1700 SU: 0000-1510
827	Oudja	100	B	see 701	kHz.	Ramadan
	Sofia	100	2	0030	1630	
	Freiburg + 4	40	SWF1	2255	1810	SA: -1900 SU: 0030-
	Barcelona	20	EAJ-1	----	NSP----	
	Castelo Branco	1	ENR-1	0100	2000	
	Gorkii	20	2	2200	2100	Majak
	Johannesburg	5	A	2200	1615	SA: 2330-1705 SU: 0000-1615
836	Ponta Delgada	1	CSA-7	0500 1345	1200 1800	(0300-2000)
	Ylivieska	10	R1	2300	1700	(0030)
	Nancy	150	FI	2330	1700	
	Granada	2	ECS-5	0200	1900	
	Huelva	10	RNE	0100	1905	
	Valencia	5	EFE-17	0200	1800	
	Lutsk +1	20	2	2155	1700	(FS:1100-1700)
	Dar Es Salaam	1.25		2200 0400	0000 1500	(-0200) (0200-)
	Beirut	100	1	2255	1830	Ramadan
	Krusevac	10	I	daytime		
	Kinshasa	10		2200	1800	
841	Quazvin, Iran	1000		2100	1530	
845	Rome	540	2	----	NSP----	
	Safad	1	1B	2300 1700	1200 1805	(0000 Sa)
	Kazan +1	10	Maj.	2100	1700	RM: 1700-2000
	Pietermaritzburg	5	C	2200	1700	(2300)
854	Novo Lisboa	10	CR6RD	0100	1800	
	Blackburn	1	BBC-Loc	2330	1902	
	Torquay		BBC-4	0125	1848	(0250) (T-12/7)

854	Berlin	100	RIAS		-----NSP-----		
	Bucharest	150	2		2300	1800	
	Murcia	125	RNE		0000	2100	
	Hamm	100			<del>2230</del> <del>0500-0800</del> <del>0930-1600</del>	<del>0700</del> <del>(0930SA)</del> <del>0900-0800</del>	SU: 0000-0400 0200-0800
	Fort Victoria	1			2255	1600	Sat. off 1700 Sun.: 2358-1505
	Amman	20			<del>0000</del> <del>0800</del> <del>1030</del>	<del>0100</del> <del>0800</del> <del>1230</del>	Ramadan
863	Blagoevgrad	30	1		2200	1830	
	Paris	150/250	FC		0030	1800	(0050)
	Yerevan	100			2100	1600	(FS:0750-1600)
	Sisak	1			2230	1800	24h F/Sa/Su
	Pietersburg	5	A		2200	1615	SA: 2330-1705 SU: 0000-1615
872	Karonga	1			2200	1610	(2300)
	Frankfurt	150	AFN		-----NSP-----		
	Budapest +1	20	2/ R2		2225	1810	(0100)
	Zaragoza	20	EAJ-101		0100	2300	
	Moscow	150	2, 3		2200	1500	(2200-0100-Majak)
	Addis Ababa	10/100			see 854	kHz.	
	Beira	50			<del>1030</del> <del>0730</del>	<del>1330</del> <del>0800</del>	
	Cairo	50	AC		<del>0200</del> <del>1230</del>	<del>0800</del> <del>1800</del>	Ramadan
881	Berlin (877.5)	100	DDR-1		-----NSP-----		
	Washford +3	100	4		0130	1900	
	Stavropol	70	2		2100	1700	Majak
	Titograd +4	100			2300	1700	
**	Damascus	100			<del>0030</del> <del>1300</del>	<del>0530</del> <del>1800</del>	Ramadan
	Mbabane	10			<del>1000</del> <del>2330</del>	<del>1500</del> <del>0800</del>	SU: 2330-1500
	Sanaa, Yemen	10			<del>2200</del> <del>0600</del>	<del>0100</del> <del>1700</del>	Ramadan
899	Milan	600	1		-----NSP-----		off W/TH irr
	Maseru, Lesotho	10		0530 & 0700	<del>2330</del> <del>1000</del>	<del>0200</del> <del>1530</del>	SA: 0530-1500 SU: 1000-1430
	Ioshkar Ola	50	1, 2		2230	1600	Majak, RM
908	Bknn's Pk/Stagshaw +2	150	4		0125	184.8	(0250)
	Cluj	50	2		2300	1800	
	Nkhota-Kota	1	A		2200	1610	(2300)
	Baghdad	200	AK		<del>2130</del> <del>0200</del>	<del>0000</del> <del>1830</del>	Ramadan
917	Reichenbach	20	BR		2200	2100	
	Madrid	12	EAJ-2		0200	2000	
	Makhatch-Kala	50	2		2100	1700	Majak
	Ljubljana	135			1300	1800	
	Tetuan	5	C		<del>0700</del> <del>1200</del>	<del>1000</del> <del>1800</del>	Ramadan
	Lourenco Marques	100	B		-----NSP-----		





917	Paphos, Cyprus	2	1	2300	1705	
926	Bruxelles	150	D1/III	0030 1630	1630 1800	(I) F-Su 0030-1800 (III)
	Ivanovo	10	2	2200	1600	Majak
	Nis +2 (Yugos.)	20	I	0600	1800	S/S 0100-
	Izmir	100	1	2255	1700	
	Zakynthos	50	1R	1800	1630	SaSP:0200-0500
933	Rezaich	10		2125	1435	
935	Berlin	10	AFN	---NSP---		
	Cairo	10	M	0900	1500	Oriental mx
	Lvov +1	300	1/F	2155	1800	FS:1100-1800
	Agadir	100	A	0000	2200	Ramadan
944	Toulouse	100	FI	2330	1700	
	Larissa	5	YENED	0000 0500	0200 0800	& 1000-1600 SU: 0000-0800 & 1000-1600
	Rostov/Don	20	2	1800	1700	Majak
	Asmara ETH.	50		see 854 kHz.		
	Bor +3	10		daytime		
	Pleven	30	2	0200	1530	
	Luanda ANGOLA	10	CR6RB	---NSP---		
953	Brno +1 CZECH	100	P	2230	1800	SU: 0030- F/Sa -1905
	Madrid SPAIN	20	EAJ-29	0000	1900	
	Badalona "	2	EAJ-39	0145	1900	
	Las Palmas MEX.	10	EAJ-50	0200	2000	
	Kisumu	100		2155	1505	SU: 2255- SA: -1615
958	Korca, Albania	5				
	Deir-el-Zor	60		2300	1830	Ramadan
962	Turku FIN.	100	R1	2300	1700	(0030)
	Paris FR	5	SP	SA: 0830 - 1200 SU: 0300 - 0600		
	Tunis TUN.	100		2358 0600	0100 1700	Ramadan
963	Istanbul TUR.	2	2	0955	1800	
971	Hamburg +2 W.GER.	300	NDR	-----NSP-----		
	Sao Gabriel SP	100	ENR2	0200	1915	
	Marrakech MOR	1	A	0000	2200	Ramadan
	Gaberones (Botsw.)	50		2300	1600	
	Smolensk USSR	150	1,F	0100	1630	(FS: 1000-1630)
	Bonn +1 W.GER.		WDR	2350	1900	
972	Cairo U.A.R.	5				Ramadan
985	Kermanshah	100		2125	1700	Ramadan
989	Franceville	20	LS/FS	2330	1800	(1200-1700 LS)

	989	Berlin	100 300/200/	RIAS-1		---	NSP---		
		Madrid	50	RNE-P		0030	2000		
		Addis Ababa	1	ELTF		2300 1000	0030 1515		
		Pietersburg	5	C		2200	1700		(2300)
		Beirut	10	2		0000 0600	0430 1800		Ramadan
	993	Kukes, Albania	8			0700 1200	1000 1400		
	998	Heidelberg +1	10	SDR-1		2355	2230		
		Kigezi	100	Red		see 728 kHz.			
		Kishinev	100	1 / F		2155	2100		FS: 1700-2100
		Yaounde	10			0000 1200	0230 1800		
		Villa Cisneros	10	EAJ-202		0230	1700		//656
		Gwelo	100						
	1007	Corfu -Korkyra	50			see 1562 kHz.			
		Lopik	120	II		0030	1900		
		Malaga	10	RNE-P		0100	1930		
		Belgrade		III		0600	1808		
	1016	Nitra				2230	1800		// Bratislava
		Mainz	300	SWF1		---		NSP---	
		Venezia + 1	25	R		0005	1800		
		Batna	1	A		0100	1900		Ramadan
		Tripolis	10	YENED		0000	1630		
		Baku	100	1		2055	1700		
		Tangier	1	B		see 701 kHz.			Ramadan
	1025	Graz/Dobl +13	100			0000	1805		
		San Sebastian	5	EAJ-8		0100	2100		FF: 0100-30; 0700-30; 1130-1200
		Badajoz	5	ECS-2		0200	1800		
		Barcelona	6	EFJ-15		0000	2000		
		Safi	1	A		0000	2200		Ramadan
		Tomsk	200	2		1600 1100	0700 1500		Majak
		Dar-es-Salaam	1.25			2230 0700	2330 0530		& 1100-1330
		Tel-Aviv	100			2300 0358	0200 0715		
	1033	Izmir	2			0855	1800		SA: 0755- SU: 0455-
	1034	Karlsruhe+2	1	AFN		---		NSP---	
		Milan +7	50	2		0000	1805		
		Lisbon	50/120	CSB-2		---		NSP---	
		Talinn	100	1		2155	1700		(2225)
		Sheffield	1	BBC-Loc		2330	1902		
		Johannesburg	5	E		2200	1615		SA: 2330-1705 SU: 0000-1615
	1043	Petrich	10						

1043	Liege	10	F2	0030	1747	
	Dresden	20/250	DDR-1	---NSP---		
	Thessaloniki	5	1R	see 1562 kHz.		
	Tblisi	100	2	2000	1600	Majak
	Sebaa-Aioun	25	C	0700 1200	1000 1800	Ramadan
	Port Elizabeth	2	A	2258	1615	SA: 2330-1705 SU: 0000-1615
	Leskovac +1	1	I	daytime only		
1052	Mbuji Mayi	20	HS	2300	1500	sil. 0200-0500 & 0730-0930
	Suhl +1	5	DDR-1	---NSP---		
	Start Point + 9	100	BBC4	0125	1848	(0250)
	Iasi	1000	2	2300	1800	
1061	Tripoli	50		2300	1830	Ramadan
	Tetuan	20	A	0000	2200	Ramadan
	Cairo		M	0000	1900	Occidental mx
	Kalundborg	60	2	1140 0300	1700 1640	(SU) SA -1805
	Joannina, Grc.	10	YENED	see 944 kHz.		
	Cagliari +5	10	1	0005	1800	
	Norte	100	ENR-2	0200	1700	
	Saransk	50	2	-----NSP-----		
	Diyabakir	300	1	2055	1700	Majak
	Novi Pazar +3	1		2200	1805	
1079	Mombasa	20	E	see 557 kHz.		
	Plauen	2	BR <sup>F</sup>	2200	2100	
	Bremen	30/100	RB1	---NSP---		
	Orestias	10	YENED	see 944 kHz.		
	Katowice	60		2257	1800	(2327) FS: 1805-2000
	Valencia	25	RNE-P	0100	2100	
	Kopert + 3	6	II	0600	1800	SU 0330-1800
	Souk Ahras	1		0100	1900	Ramadan
	Casablanca	1	A	0000	2200	Ramadan
	Beni Seuf	5		2300 2200	1900 2330	Ramadan
1088	Tirana	500		1700 2330 0600	1800 0200 1700	FS HS
	Perm	20	1, 2	1958	1900	Majak 1500-1900
	Luanda	1	CR6RZ	0000	1900	Su. -1200
	Lagos	10		2330	1805	
	Crowborough		WS	1700	2300	0100-0130; 0300-0315; 1100-1115
	Novi Sad	20		2300	1400	
1097	Cordoba	5	EFE-58	0200	1800	

1097	Bratislava	150	B	2230	2000	(0000)	
	Cabra	2	ECS-12	0100	1800		
	Madrid	20	EFE-14	0225	2300		
	San Sebastian	5	EFE-23	0100	1800	FF: 0100-0300 & 0615-45.	
	Sama de Longreo	2	EFJ-41	0255	1800		
	Las Palmas	20	ECS-4	0155	2000		
	Bologna	60	II	0005	1800		
1106	Cadiz	2	EFJ-5	0155	1900		
	Munich	50	AFN	---NSP---			
	Alcoy	2	EAJ-12	0130	1830		
	Huesca	2	EAJ-22	0145	1800		
	Antequera	2	EAJ-26	0155	1800		
	Barcelona	2	EAJ-35	0150	1705		
	Linares	2	EAJ-37	0600	2000		
	La Coruna	2	EAJ-41	0145	2100		
	Manresa	2	EAJ-51	0100	1930		
	Badajoz	2	EAJ-52	0145	1800		
	Salamanca	2	EAJ-56	0155	1800		
	Orense	3	EAJ-57	0145	1800		
	Victoria	2	EAJ-62	0155	1800		
	Leon	2	EAJ-63	0145	1920		
	Vilnius	100	2	2100	1700	Majak 1200-1730	
	Douala	10		0000 0600	0200 0930	SU: 0000-1730 inc.	
	Cairo/Baris	1000	A	2300 0500	0100 1700	Ramadan	
	1115	Ceuta	2	EAJ-46	0150	1800	
		Bari +6	50	2	0000	1805	
		Kaliningrad +3	20	1	2100	1700	
Carmona		1	CR6RU	0100	1800		
Tangier +1		1	A	0000	2200	Ramadan	
Pietersburg		5	E	2200	1615	SA: 2330-1705 SU: 0000-1615	
Bujumbura		1	2	2230	1600		
Namsos +7 (Norway)		1	1	0000	1800		
1124		Houdeng	10	2	0030	1700	
		Varna	10	2	0030	1630	
	Barcelona	10	EAJ-15	---NSP---			
	Leningrad	20		2200	1700		
	El Beida	1000		0300	1830		
	Baske Ostarije +1	20		2230	1800	24 h SU	
	Kabwe	2					



1133	Monforte de Lemos	2	ECS-17	0200	1800	
	Caceres	5	EFE 6	0200	1800	
	Castellon	1	EFE 19	0200	1800	
	Oviedo	5	EFE 22	0200	2000	
	Jaen	5	ECS-9	0200	1800	
	Tarragona	/ 5	EFE 33	0200	1900	
	Pamplona	5	EFE 57	0200	1800	
	Ciudad Real	3	ECS-13	0200	1800	
	Murcia	2	EFJ 19	0100	2000	
	Almeria	2	EFJ 25	0200	1800	
	Albacete	2	EFJ 23	0230	1700	
	Ponferrada	2	EFJ 29	0300	1800	
	Bilbao	2	EFJ 43	0100	1900	
	Zaragoza	5	EFJ 46	0100	1900	
	Avila	15	ECS 3	0200	1800	
	Burgos	2	EFJ 54	0100	1900	
	Malaga	5	EFJ 56	0100	2000	
	Zagreb +4	135	I	2230	1800	SA: 24h
	Kuwait	750		2330	1800	
	La Laguna,	20	EAK 64	0200	1800	
1142	Stuttgart + 7	10	AFN	-----NSP-----		
	Athens	20	YENED	2330	1900	(2000)
	Riga	50	1	2200	1700	
	Constantine + 1	40		0100	1900	Ramadan
	Zadar + 1	10	1	2230	1800	
	Quena	5		2300	1900	Ramadan
	Livingstone, Zamb.	1	GS	2155	1600	(1505)
1151	Clyde	1	IBA	0100	2100	
	Birmingham	1	IBA			
	Cluj	950	2	2300	1800	
	Marrakech	1	B	see 701 kHz.		Ramadan
1155	Beni Seuf	50	Koran	2300	0400	
				0700	1600	Ramadan
1165	Kukesi	5		0800	0930	
				1000	1500	
1169	Koper + 2	20	I	2330	1800	
	Heilbron + 1	10	SDR	-----NSP-----		
	Porto	10	CSB 30	0100	2000	
	Odessa	50		2100	1800	
	Tchad	1				

	1169	Djibouti	4		2200	0100		
		Malanje	1	CR6RE	0400	1500	SU:0000-1500	
		Jerusalem	1	A	0055	1800		
	1178	Thessaloniki	50	YENED	0100	1705		
		Barcelona	25	RNE -P	see 944	kH.z.		
		Horby	100	1	0100	2100		
		Port Elizabeth	5	C	2350	1700	(0125)	
		Aswan	10		2200	1700	(2300)	
*	1171	Van	2	2	0600	1700		
	1187	Szolnok + 1	135	R2	2200	0100	Koran / Ramadan	
		Cuenca	5	RNE-P	SEE 1175	kH.z.	(in supplement)	
		Sevilla	/ 5	RNE-P	2225	1810	(0100)	
		Tananarive	1	3	0100	2100		
		Casablanca	1		0100	2100		
	1196	Munich	300	VOA	2230	1330		
		Portalegre	1	ENR-1	see 701	kH.z.	Ramadan	
		Agadir	20	C	2100	0230		
		Alexandria	10	R	1100/	1900		
	1205	Bordeaux	100	FI	0100	2000		
		Krakow +1	60		0700	1000		
		Mostar + 2 (Yug.)	2		1200	1800	Ramadan	
*		Sanaa, Yemen	60		1000	1700	Ramadan s/on 0400	FR
*	1212	Gaziantep	2		2330	1700		
	1205	Freetown	10		2257	1800	(2327)	
		Akko, Israel	20	A	2300	1400		
	1214	Tirana			2200	0100	(1201.5kHz)	
		Washford + 15	60	BBC I	0600	1700		
		Bugibba, Malta	1		see 1175	kH.z.	(in supplement)	
		Talinn	200	2	0100	0515		
		Luso	1	CR6RV	0745	1830	SU: 0100-1800	
	1223	Stara Zagora	30	2	2300	1200		
		Rimini	5	2	1400	1805	SA 0000-	
		Madrid	50	RNE (3)	2230 - 2300; 2330 - 0100; 0630 -			
		Falun	100	1	0830; 0900 = 1230; 1300-1330; 1430-1530.			
		Lorenco Marques	5	V/M	0000	2102	(0155)	
		Nampula	5		0230	1700		
	1232	Hoedec Kral	5	1st/Reg	2155	1603	(2225)	
					0030	1800	Sun. 0700-1500	
					0030	1630		
					0000	1805		
					0100	1900		
					2350	1700	(0125)	
					2330-0200; 0430-0700; 1000-1500;			
					SA, SU: 0000-1500			
					2300-0200; 0430-0730; 1100-1600			
					SA: 2300-0200; 0430-1600. SU: 2300-1600			



1232	Kosice + 1	100		2200	1800	(0000)
	Cape Greco, Cyprus	20	2	2345	1400	Monte Carlo rela
	Luanda	1	CR6RC	0045	1745	Sun. 0200-1700
	Tangier	200	VM	0200	1000	Ramadan
1241	Vassa	50	R3	1200	1900	
	Brest + 6	20	FC	2300	1700	
	Kiev +1	150	FS/	0030	1800	
	Hde Carvalho, Ang.	1		2200	1900	FS: 1700-1900
	Bulawayo, Rhod.	1		0330	0630	
	Salisbury, Rhod.	1		1000	1600	SA: 1700
1255	Rhodes	150	VOA	2255	0950	SU: 0030-0850
1259	Wroclaw +1	100		as 1241 above		
	Valencia	5	EAJ 3	2200	0230	
	Bilbao	2	EAJ 28	0900	1900	
	Valladolid	2	EAJ 47	2257	1800	(2327)
1268	Neumunster	600	DLF	0100	2100	
	Madrid	20	EAK 1	2358	2100	
	Palma de Mallorca	2	EAK 18	0150	1915	
	Las Palmas	10	EAK 92	-----NSP-----		FS: 1245-1600
	Nairobi	20		-----NSP-----		
	Novi Sad	150		0400	1830	
	Mopti, Mali	4		0400	0530	
1275	Tananarive	1	sil. 7/1-10/15 & 12/25 - 1/3	0900	1330	Vernaculars
1277	Strasbourg	100	FC	2300	1805	
	Florina	10	YENED	0100	0300	F, SA -1230
	Moscow	20	3	0700	0950	SU: 0300-1230
	Bangula, Malawi	1		1300	1800	
1286	Prague	100	P2	2215	2330	
	Lisbon	2.5	CSB 3	1030	1400	R. Universitee
	Brcko	2		0030	1800	
	Yaounde, Camer.	1		see 944 kHz.		
	Kaolack	5		1530	2200	Majak
	W. Sinai +2	20		2300	1530	(2300)
	Smolian, Bulg.	30		2200	1610	(0000)
	Rim Sobota	2/4	R	2230	2000	FS: 1200-1900
1295	Carmona	1	CR6RU	0100	0300	
				0600	0900	(0300-1500)

1295	Crowborough	600	WS	0200 0300 1800	0230 0315 1830	
	Foxdale	2		0200	1400	Isle of Man
	Baku	150	2	2200	1700	
	Vranje	10		2200	1805	SA, SU, MM 24 h
	Serpa Pinto	5		1100	1500	
	Rabat	1	C	0700 1200	1000 1800	Ramadan
	Beira, Mozam.	10	R. Pax	2300-0030; 0430-0630; 0900-1600; SA: 0430-1600; SU: 2300-1600		
	Shumen	30		0030	1630	
1304	Szczecin +1	160		2257	1800	(2327) FS: 1805-2000
	Heidelberg +5	1	AFN	-----NSP-----		
	Constantine +1	40	F	0100 0700 0400 0800	0402 1900 0710 1705	Ramadan (SU: inc
**	Antalya	2	1	see 1175 kHz. (in supplement)		
	Krapina + 1	1		2230	1800	SA: 24h
1313	Stavanger	100	1	0000	1800	
	Timsoara	30	2	2300	1800	
	Campo de Gibraltar	10	RNE-P	0100	2100	
	Simferopol	100		2100	1630	Majak
	Sa' da Bandiera	1	CR6RA	0100 1030	0830 1800	SU: 0200-1800
	Kasama, Zambia	2	HS	2255	1600	
	Libreville	1		2330	1800	
	Port Elizabeth	2	E	2200 0030 1300	1615 0530 1800	SA: 2330-1705 SU: 0000-1615 Ramadan
	Aleppo	10		0200	0100	
1322	Leipzig	150	S	0200	0100	
	Murmansk +1		II	2000	1700	Majak
	Safi, Morocco	1	B	see 701 kHz. Ramadan		
1325	Teheran	100		2225	1630	
1331	Rome +3	150	1	0005	1800	
	Elvas,	1	ENR-1	0100	2000	
	Tallinn +1	20		2155	1603	
	Mocamedes	1	CR6RM	0100	1800	
	Funchal, Madiera	10	CSA 99	0500 1200	0900 1900	SU: inc.
	Seychelles	1	2CQ3	2330-0130; 0200-0435; 0900+1215; SA: 0600-0800; 0930-1215; SU: 2330-0030; 0200- 0440; 0600-0800 & 0930-1215		
1345	Kuwait	200	//539	2125	1715	Ramadan
1349	Bordeaux + 4	20	FC	0030	1800	
	Riga +2			2200	1700	
	Cabinda	1	CR6RW	0100	1800	
	Garoua, Cameroun	1		0000-0200; 0600-0715; 1200-1700 SU: 0000-0900; 1200-1900		
	Nouakchott	100		0200-0300; 0700-0930; 1300-1730 SA: 1200-1800 + others above; SU: 0300-0900 & 1200-1900		



1358	Tirana		HS		9188	9688	FS: 2300-0000
	Berlin	250	BW		-----NSP-----		
	Bremerhaven	2			-----NSP-----		ex Sun. on 0005
	Moscow		1,3		2200	1600	
	Lourenco Marques	0.25/10	C		0400	1600	SU: 1130-1600 & 0200-0400
	Ibadan	10			2330	1805	
1367	Venice +13	25	3		0155	1700	
	Bialystok +2	60			2257	1800	(2327)
	Porto	10	ENR-1		0100	2000	
	Luanda	10/100	CR6RA	PC: 1430	2330 0600	0300 1800	SU: 2330-1430 SA: -1900
	Que Que, Rhodesia	1	E		2255	1600	(2258-1505)
	Beersheba, Israel	5	IDF		0400 0800	0700 1705	
	Noordzee	105			0000	2100	SA, SU AMs NSP
1376	Lille	150/250	1		2320	1700	
	Lutsk +2	50			2200	1700	
	Mbabane	50			2300	1700	
	Kardzali	30		1374-76	0030	1630	FS
1385	Athens	50			1800	1630	SA SP 0200-0500
	Madrid	20	ECS-11		0100	1900	
	Sta.Cruz de la Palma	2	ECS-16		0300	1800	
	Calahorra	2	EFJ-50		0300	1630	
	La Coruna	2	EFJ-11		0200	1900	
	Palma de Mallorca	4	EFJ-45		0155	1900	
	Uralsk		3		0000	1000	SU: 1900-2000 for fishermen
	Kaunas +1	150	3		2300	1800	
	Silva Porto, Ang.	1	CR6RD		0100	1700	SU: -1500
	Kaliningradsk+2	50			2300	1730	Majak to 1000
1394	Shkodra (Tirana)	240			2200-2230; 1200-1500;	2300-2330; 1600-1630;	0030-0200; 0830-0900;
	Graz +8	25	2		2300	1805	(0000)
	Angra do Heroismo	1	CSB-80		0200-0600; SA: 0230-0500;	0700-0900; 0700-1900;	1230-1900; SU: 0200-1900
	Augsburg +2	1	AFN		-----NSP-----		
	Zaragoza	2	EAK-6				
	Badajoz	2	EAK-21				
	Zamora	2	EAK-26				
	Alicante	2	EAK-31		0130	1800	
	Vigo	2	EAK-33				(0135- SU)
	San Sebastian	2	EAK-44				
	Albacete	2	EAK-46				
	Tobruk				2300	1830	

1394	Santander	2	EAK-68			
	Almeria	2	EAK-69			
	Jerez	2	EAK-17	0200	2000	
	Cordoba	2	EAK-20	0200	1900	
	Reus	2	EAK-53			
	Ukraine	10	2	2200	1700	Majak
	Stockholm + 8	3		2350	1700	(0125)
Tananarive	4	I	2130	1400		
1403	Granada	2	EAJ-16	0150	2000	
	Brest + 5	20	2	2330	1700	
	Komotini, Greece	5	1R	see 1562 kHz.		
	Tiraspol	10		2205	1700	
	Pirot, Yugos.	1	I	daytime		
	Lobito, Angola	1	CR6RS	0030	1800	
	Conakry	100		----NSP----		
1412	Bad Mergentheim	3	SDR 1	2355	2230	
	La Coruna	2	EAJ-4	0100	1800	
	Pamplona	2	EAJ-6	0145	1920	
	Castellon	2	EAJ-14	0145	1800	
	Tarassa	2	EAJ-25	0030	1900	
	Murcia	2	EAJ-17	0100	1930	
	Burgos	2	EAJ-27	0155	1800	
	Grenada	2	EAJ-16	0100	2000	
	Helsinki/Turku	4	R3	2300	1700	
	Onteniente	2	EAJ-30	0400	1800	
	Gijon	2	EAJ-34	0145	1810	
	Algeciras	2	EAJ-55	0155	1900	
	Segovia	2	EAJ-64	0145	1800	
	Ciudad Real	2	EAJ-65	0145	1930	
	Pristina +4	100		2300	1705	(0930)
S. Cruz del Tenerife	10	EAJ-43		1900		
1421	Tampere	1	R1	2300	1700	(0030)
	Heusweiler	1200/600	SR 1	----NSP----		off 1900-2100 TU
	Riga	10		2200	1700	
	Algiers (1423.5)	40	Kabyl	0130 0700	0400 1730	(0130-1730)
1426	Tblisi		1	2100	1600	
	Gorgan	10		2225 0725	0630 1730	



1439	Luxembourg	1200	2		<del>NSP</del>		
	Odessa	300	I, II		2100	1700	Majak + 1st
	Smederevo +1	2			daytime		
* 1414	Bamako, Mali	60			0100-0300; 1300-1800	0700-0930; SU: 0300-1200	(1230 F, SA);
1448	Squinzano + 29	50	2		0000	1805	
	Coimbra	1	ENR-1		0100	2000	
	Kaliningradsk		1,3		2140	1700	
	Jonkoping + 6	2/0.5	1		2350	1700	SU: 0125-
1454	Benghazi	5			1100-15;	1300-15;	1500-15.
1457	Bihac +1	2			2300	1805	SA, SU, M, -1900
	Craiova	50	II/R		2300	1800	
	Kabwe, Zambia	2			2155	1600	SA: -1700
1466	Monte-Carlo	200	2		0100 1500	1200 2100	SU: 0000-1510)
	Simferopol (1463)	20	Majak		2100	1700	
	Kautokeino + 4	1			0000	1800	SU: 0115
	Syaalbard	1			0000	1800	// Kautokeino
1475	Vienna +4	150	2/R		2300	1805	(0000)
	Asmara	1	AFRTS		2200	1600	
	Valladolid	2	EFE- 1		0200	1800	
	Logrono	2	EAJ-18		0155	2000	
	Oviedo	2	EAJ-19		0130	1800	
	Sabadell	2	EAJ-20			1930	
	Gandia	2	EAJ-23		0140	1800	
	Cordoba	2	EAJ-24		0600	2000	
	Santander	2	EAJ-32		0130	1830	
	Pontevedra	2	EAJ-40		0145	1800	
	Elohe	2	EAJ-53		0145	1930	
	Lerida	2	EAJ-42		0145	1800	
	Cadiz	2	EAJ-59		0130	1930	
	Almeria	2	EAJ-60		0155	1800	
	Zamora	2	EAJ-72		0145	1845	
	Samandaj, Iran	10			2125	1530	
	Brazzaville	80			2330 0530	0145 1630	SU: 2330-1700
	Cotonou	10			0015-0200; 0800; 1130-1700	(0230SA); 0630-0700-1700	(SA: 0700-1700) SU: 0200-1700
	Baku	150			2100	1700	
	Joao Belo, Moz.	5	RCM				(T: 12/73)

1481	Trabzon	2	TRT	see 1175 kHz. (in supplement)
1484	Kor tryk	5	2	0030 1800
	Pyrgos		YENED	0000-0200; 0500-0800; 1000-1600; SU: 0000-0800; 1000-1600
	Brno +1	3.5		2230 1800 (0000)
	Copenhagen	2		0000 1805 (0100)
	Pori	1	/R1	2300 1800 (0030)
	Dijon +5	1	2	2330 1700
	Wellington Front	2		0155 1800
	Berlin	2	SFB 2	-----NSP-----
	Pietarsaari	1	R3	2300 1700
	Edinburgh + 3	2 ea.	BBC 2	0125 2102 (0150)
	Bournemouth	0.5	BBC 1	0000 2102 (0155)
	Volos	1	EIR	see 1562 kHz.
	Balzano +11	2	2	0000 1805
	Rim Sobota	3.5	R	
	Teruel	5	ECS-1	0200 1800
	Karasjok + 4	1	NW	0000 1800
	Lodz +7	8		2257 1800 (2327)
	Baia Mare + 4	2	2	2300 1800 2330-0000 //908
	Pec	2		daytime
	Casablanca	1	C	0700 1000 1200 1800
	Riga	5	1	2200 1700
	Belgrade +43	5		2200 1805 NSP, F, SA, SU
	Novo Redondo	1	CR6RP	0100 0400 0600 0830 & 1130-1800
	Lourenco Marques	5		
	Benghazi	10		2330 1045
	Ostende	2	N1	0030 1700
	Funchal, Madiera	1	CSB-90	0230 0500 0530 1800 SU: -1830
	Brighton	0.5	BBC-Loc	2330 1902
	Humberside	0.5	BBC-Loc	2330 1902
	St. Louis, Senegal	1		0100 0300 0700 0900 & 1315-1730
	Oxford	0.5	BBC-Loc	2330 1902
	Nottingham	1	BBC-Loc	2330 1902
	Merseyside	2	BBC-Loc	2330 1902
1493	Ajaccio +8	10	FI/FC	2330 1700
	Rhodes	5		see 1562 kHz.

1493	Gomel	20		0200	1800	Majak to 1000
	Leningrad +1	50		2030 1130	1100 1908	Majak to 0100 FS-EE
	Zagreb +6	7		0600	1808	SA, SU: 0100-
	Abidjan	1	2	0100	1900	
1502	Warsaw	300	FS	0000-30; 0100-0300; 0630-1330; 1400-1630; 1700-2200.		
	Livno +2	2		2300	1805	SA, SU, M -1900
	Sevilla	2	EAK-2	0010		
	Burgos	2	EAK-3			
	Pamplona	2	EAK-4			
	Murcia	2	EAK-12			
	Bilbao	2	EAK-13			
	Salamanca	2	EAK-19			
	Ciudad Real	2	EAK-22	0145	1900	
	Ibiza	2	EAK-24			
	Granada	2	EAK-39	0130	2000	
	Guadalajara	2	EAK-52			
	Orense	2	EAK-59			
	Castellon	2	EAK-78			
	Aviles	2	EAK-91	0005		
	La Coruna	2	EAK-43			
	Benguela	1	CR6RF	0030	1800	SUN: 0200-1600
	Tananarive	4	II / III	2330-0000; 0700-0600; 1100-1430; 0830-0930; SU: 0000-		
	Tambacounda	10		0100-0300; 0700-0900; 1300-1730		
	Nicosia (1504)	1	BFBS	2245	1609	
1511	Skopje	10	2	0600	1120	
	Tallinn	1		2200	1700	
	Bruxelles	20	D3	0030	1800	
	Berlin	250	RBI	1700		
	Chania + 1	5	1/R	see 1562 kHz.		
	Jamestown,	1		1500	1700	St. Helena
1525	Moscow		2	2200	2100	Majak
1529	Vatican	250	HV100	0230	1710	
	Sa da Bandeira	1		0200 1200	0900 2000	(0400)
1538	Cordoba	2	EFE-58	0200	1830	
	Mainflingen	350/700	DF	----NSP----		
	Djibouti (1539.5)	4		2200 0400	0100 1500	1400-1740 FS
	Fort Lamy, Tchad	1		2330 0730	0130 1630	Sun 0000-1500 (0300-0730 also) (SA:-1800)
	Dakar	10	I	0100	1900	
1546	Bristol	5	BBC-Loc	2330	1902	



1546	Seelow		5	DDR-1	----- NSP -----		
	Karaganda		10		1900	1500	
	Vinnitza		50		1130	2000	FS
1554	Nice		300	2	-----NSP-----		
	Vilnius		20		2100	1830	
	Libreville		20		2330	1800	
1562	Amalias		1.25		2330-0305; 0500-0830; 1000-1800.		
	Noordzee II		10		SU: 2345-0830; 1000-1800		
	Covilha		1	ENR-1	0000	2100	NSP SA, SU AMs
	Beromunster		160	D	0100	2000	
1578	Genoa +19		50	I	0010	1900	(0100-)
	Porto		10	CSB-5	0005	1800	
	Frederickstad +1		10	LKF	0200	2200	
	Baouke, Iv. Coast		5		0000	1800(HS)	FS: 1800-1930 2000-2130 2200-2330
* 1575	Sharjah		50		0100	1900	
1586	Langenburg		400/800	WDR	-----NSP-----		
	Riga		50	Majak	2100	2000	
	Bobo Dioulasso		1		0125-0300; 0700-0830 (1200 SA); 1300-1700; (0600-1700)		r. Ouagadougou
1594	Bredene		2	DIII/D I	0030	1630	(I) SA, SU: 0030-1800 (I)
	Oloumoc +1		2		1630	1800	(III)
	Leicester		0.5	BBC-Loc	2200	1800	(0000)
	Nimes +3		1		2330	1902	
	Foxdale		1/0.2		2330	1800	
	Bournemouth +1		0.25	BBC 3	1400	1700	Isle of Man
	Hengelo +2		2		0200	1900	(0300)
	Miskolc +1		15	R1/R2	0030	0500	
	Balzaró +8		2	3	1100	1900	
	Opole +6		2		2225	1825	(0100-1800)
	Lisbon		10	CSB-4	0155	1700	
	Jonkoping +4		0.2	3	2257	1800	(2327)
	Kraljevo + 11		2/0.05		0200	2100	
	Irkutsk		50		-----NSP-----		NSP Sat.;
	Nova Lisboa, Ang.		1	CR6RD	2230	1800	
	Athens		1	AFRTS	0030	1900	SU: 0200-1700
	Marrakech		1	3	2300	1800	
	Jeddah		1		0700	1000	Berber/Ramadan
					1200	1800	& 1200-1435
					2300	0050	
					0600	0750	
1602	Munich		185/3'0	BR	-----NSP-----		SP TU 2100-2200

## SUPPLEMENT # 1

	529	Schwerin	220	DDR-1	-----NSP-----		
	527	Beromunster	500	D	0010	1900	(0100-)
	533	Les Trembles	600	A	0100	1900	-2000 Ramadan
	547	Riyadh	50	A	2200 0500	0330 1800	Ramadan
	557	Kapsimotwa	20	E	see 74.6 kHz.		
		Veronica	10/2		0100	2100	NSP: SA, SU, MMs
		Chelsea	5	IBA	-----NSP-----		Capitol Radio
	575	Laghout	1		0100	1900	
		Omdurman	50		2300	1700	Ramadan
	593	Frankfurt +1	400	HR1	-----NSP-----		
	599	Connamora			1300	1615	
	602	Drnis	1		2230	1800	SA:24h;SU:-1810
	605	Abadan, Iran			0150 1300	0700 1900	
	647	Belfast - 4		R3	0200	1900	(0300)
	674	Anamov	5				V. of Cyprus
	683	Mainingen	20				
		Barnstaple		R4	0125	1848	(0250)
	692	Kirkuk	1200		0000 0900	0400 1330	
	698	Lusaka		HS	2155	1605	(1505)
	701	Flensburg +2	5	NDR	-----NSP-----		
		Sylistra	10				
		Kosice	5				
		Praha Kraj	2	R			
	719	London		IBA	-----NSP-----		London Bestg.
	728	Tel Aviv		D			
	755	Carlisle	1	BBC-Loc	2330	1902	
		Redruth		R4	0125	1848	(0250)
	759	Sao Tome	5	EN	0030	1800	Port. W. Afr.
	773	Lourenco Marques	1	R. Mocidadee	2100	1500	(SA:0900-1230) (SU: -1230)
	791	Kavalla			1800	1630	(SA SP 0200-0500)
		Sabac	10				
	827	Las Palmas	10	EAK-35	0200	2000	
	836	Ksar-Es-Souk	10	A	0000	2200	Ramadan
	872	Leningrad		2,3	2300	1900	Maj. 2300-0100
		Sta. Cruz del Tenerife	10	EFJ-57	0200	1900	
	881	Greece					
	886	Damman	100		2200 0500	0230 1800	(FR:0230-0330)
	895	Qazvin	200		2100	1530	

898	Tetuan	5	C	0700 1200	1800	Ramadan
899	Borba	2	II	0800	1300	weekdays only
* 881	Antalya	600				
908	Clevedon	20	R4	0125	1848	(0250)
	Burg			1530	1602	V. of Emigrant
944	Vila Pery, Moz	5	RCM			(T:12/73)
	M. Ciuc, Romania	14		2300	1800	
953	Joanina	10	YENED	see 944 kHz.		
962	Corca Dhuibhne	1				
	Kerry	1				
* 962	Kragujevac	10		daytime		
998	Solent	1	BBC-Loc	2330	1902	
	Nigret	20	DW-r			
1025	Rabat	1	B	see 704 kHz.		
1034	Medway	0.5	BBC-Loc	2330	1902	
1052	Droitwich	150	R4	0125	1848	(0250)
1063	Ankara	2		0958	1700	(0258)
1079	Lourenco Marques	5	D	2300-0100; 0400-0700; 1030-1530; SU: 2300-1500		
	Kyzyl	50	FS	0815	1400	
	Vigo	2	EFE-31	0200	1900	
1106	Dubai	10		2145	1830	
	Leeds	1	BBC-Loc	2330	1902	
1115	Derby	0.5	BBC-Loc	2330	1902	
1127	Int'l Waters R. King					
1133	Zamora	2	ECS-19	0200	1800	
1135	Ras-al-Khaimah	10				U.A.E.
1175	Kars	2		2255 0455	0305 0700	& 0855-1600
1178	Goze Delchev	10				Bulgaria
1196	Minsk			1415		
1205	Tetuan		B	see 701 kHz.		
1277-	Tanta	10	2	2300	1900	
1295	Kurdjali, Bulg.	10				
1304	Kozani + 1	5	YENED	see 944 kHz.		
	Vrbas/Kula	2		daytime		
	Lome	1				





1313	Constanta/Craiova	1		2200	1800	
	Baku		FS	1130	1700	
	Kishinev		1	2100	1600	
	Ancona	6	II	0000	1805	
1319	Enugu	10		0000	1805	
1322	Vidin		2-S	0030	1630	
	Zyyi, Cyprus	50-	BBC r	2200	1815	
1331	Sombor	10		daytime		
1349	Belgrade	10		2300	1700	(0400-1600)
	Tblisi	20	1	2100	1600	
	Szolnok	5	P+R	2235	1810	(0100)
	Pyrgos	4		0000-0800; 0900-1700; 1800-2200 DX PGM: Last FR 2000-2100 in EE; 1st SA in GG		
1355	Kavalla	1	YENED	see 944 kHz.		
1358	Golan	1		0400	0710	
	Kirkuk	240		0800	1705	
				2130	0200	
				0500	1530	
1376	Marduguri	1		2330	1805	
	Smederevo	2		2300	1700	
1394	Leon	2	EAK-48			
1403	Serrae		YENED	see 944 kHz.		
1412	Masirah Is.	1000	BBC r	1115	1615	
1457	London	10	BBC-Loc	2330	1902	
	Birmingham	10	BBC-Loc	2330	1902	
	Newcastle	2	BBC-Loc	2330	1902	
	Manchester	10	BBC-Loc	2330	1902	
	Tirana		Pek. r	2300-0000; 0100-0200; 0600-0800; 0900-1000; 1230-1300; 1500-1700;		
	Carlisle	0.5	BBC-Loc r.	2330	1902	
	Plymouth		R4	0125	1848	(0250)
1502	Stoke-on-Trent	0.5	BBC-Loc	2330	1902	
	Lama-Kara	10				(T:11/73)
	Bechar		NS	0600	1800	
	Belgrade	7	R.202	0000	1800	
1511	Aktybinsk	50	2	2200	1500	Majak
1525	Urumchi	2000				
	USSR		FES			
1528	USSR		FES	0400	1800	
1529	Funchal	1	CSB-91	0300	0530	& 1400-1900
				0700	1300	SU: 0300-1900
1546	Teesside	0.5	BBC-Loc	2330	1902	
1555	Tehran	1	AFRTS	2130	1530	

1484  
1493  
RADIO  
MARRS SIDET

* 1554	Tomsk	20						
1562	Egypt				see 818 kHz.		// 818	
	Norrkoping +5	1.5			2350	1700	(0125)	
1586	Egypt				see 818 kHz.		// 818	
1589	Luso			CR6RV	0030	1800	(0100-1500)	
1594	Solent	0.25		BBC-Loc r.	2330	1902		
1615	Amfissa	0.25						R.S. Phokidos
1623	Yugoslavia							
575	Bechar	400						
638	Zaragoza	10		RNE	0000	2100		
	Bilbao	20		RNE	0000	2100		
845	Cesko Budejovice							
854	Santander	20		RNE				
908	Romania + 1							
955	Qatar			Q.B.S.				
1191	Iran			R.Iran				
* 1247	Muscat			M.B.S.				
1187	R. Atlantis/R. Seagull	10			A:0500	1900	/S: 2100	0500
1304	Gjirokastra, Alb.							
1358	Madrid			RNE				
1385	Gerona	2		ECS-14	0144	1900		
	Plauen	2		BRF	2200	2100		
1403	Sombor, Yugos.							
1538	Eur. USSR			2				Majak
1568	Turkey							
557	Tirgu Jui (Rom.)	200						
566	Satu Mare (Rom.)	50						
638	Iran							
1546	Nigret	20		DW r.				
1133	Sevilla			ECS-8	0100	2000		
1358	Palencia	2		EFE-4	0200	1805		
1619	Anatoliki					1503		
701	Monte Carlo							// 1466
881	Antalya	600			2155			
1583	Salazar, Ang.							E. Reg. do Cuanza

SUPPLEMENT # 2 - EVEN CHANNELS

520	Aldrans + 4	10			0000	1805	
	Joensuu	1	A		2300	1700	(0030)
	Hannover	20	NDR		2355	1900	
580	Teheran	100			-----NSP-----		
610	Manama, Bahrain				0030 1700	0300 1730	FR: 2300-
620	Wavre	150			0030	1747	SA, SU -1800
	Vila Real	10			0100	1900	
	S. Cruz Tenerife	100	RNE		0145	2200	
	Enugu				0000	1805	
	Grahamstown	5			2258	1615	SA:2330-1615 SU:0000-1705
	Omdurman				2300	1700	Ramadan
	Batra	450			2300-0300; 0620-1930 plus 0300-0620.		SU as wkdays (Ramadan)
	Bander Abbas, Iran	10					
680	Rasht	100			2125	1530	
700	Muscat	750	BBC r.		0045	0815	
710	Rennes	300	FI		2330	1700	
	Lyons	5	FIL				
	Donetsk	150	1		2200	1700	RM
	Tallinn	150			2200	1800	
	Zagreb	25	2,3		0100	1800	III:1500-1800
	Monrovia	10	ELWA		0100-0315; (SA 0415); 1400-1800; (0200-1315); 1400-1745		
	Gwelo	2			2258	1510	(0058)
	Cairo	100			0300	0700	Ramadan
	Jerusalem	1			2300 1400	1200 1805	(0000 SA)
760	Baghdad	300			2130 0300	0200 1800	
800	Nurnberg	50/100	BR		2330	1810	(-1900 S/S)(0000)
	Madrid	20	EAJ -7		-----NSP-----		
	Leningrad	100	1		2100	1230	RM
	Durban	5			2200	1700	(2300)
	Amman	200			2230 0245	0245 1800	Ramadan
890	Linz	20			2300	1805	(0000)
	Bergen +2	10			0000	1800	(0115)
	Uzhgorod	100			2200	1730	Majak to 0830
	Daruvar, Yug.	1					
	Algiers	200			0100 0700	0402 1900	Ramadan (0100-1900)
	Salisbury	2			2228	1510	(0058)
	Limassol	7.5	BFBS		2245	1609	SA-1700; SU:0030-

HBT  
IN  
WBST

910	Banjul	10	R. Syd	0100	2100	
960	Omdurman	60		2200	1700	Ramadan
980	Iraklion		YENED	0000-0200; 0500-0800; 1000-1600; (0000-0800; 1000-1600)		
	Trieste	10	A	0100-0230; 0530-0845; 1100-1730; (0200-1730)		
	Gothenburg	150	1	2350	1700	(0125)
	Kraljevo +3	10		daytime		
	Algiers	200		0100	1900	Ramadan
	Umtali, Rhod.	1		2255	1600	(2358 SU) (SA: 1700; SU: 1505)
1000	Taiz, Yemen	60		2200 0600	0100 1700	
1010	Luanda	1	CR6RB	-----NSP-----		R. Ecclesia
1050	Shiraz	10		2155 0720	0630 1530	
1070	Paris	100	FI	2330	1800	
	Dnjepropetrovsk +1	20	1	2200	1700	RM
	Zagreb +4	7				
	Nhacra, Port. Gui.	100		0100 0600	0700 0900	& 1200-1900; (0100-1900)
	Kitwe	20		2155	1605	(1505)
	Tartus	60		0030 0000	0530 1800	Ramadan
1090	Kerman	10		0130 0800	0630 1430	
	Baghdad			2130	0100	
	Nicosia	10				
1100	Isfahan	10		0130 0725	0630 1530	
1160	Kardjali	150		2200	1830	
	Strasbourg	200	FI	2330	1800	
	Novo Lisboa	1	CR6RD	0000	1800	(0200-1700)
	Lourenco Marques	1	C	1100	1600	(0400)
	Bugisu, Uganda	1		2200 0100	0045 0630	& 0825-1610 (SU: -0915; 0930-)
	Abadan, Iran	10		2125	1530	
1210	Baghdad					
1250	Lopik	10	3	0300	1200	
	Balatonszabadi +1	135		2225	1810	(0100)
	Cork +2	10		0230	1850	(0300)
	Chaves, Portugal	1		0100	1900	
	Cabinda			0200 0800	0600 1100	
	Tripoli	1000		2300	1830	Ramadan
	Deira	50		2145	1800	U.A.E.
1280	Kabul	100		2100 0800	2330 1430	

*2 Dublin  
in (Czech)  
Over @ BALATONSZABADI  
Cork 2000 G-17*

1340	Lisnagarvey +2	100	R4	0125	1848	(0250)
	Budapest	80		1100-1245; 1300-1330; 1400-1445;		
	Loznica, Yug.	10		1515-1630; 1745-1800; SA: 0800-0900; 1030-1400; SU: 1400-1600; 0400-0445; 0830-0900; FR: 1440-1515.		
	Bulawayo	2		daytime...		
	Ouahigouya, U. Volta	1		2228	1510	(0058)
				0100-0300; 0700 (W.F. 0600)-0900; 1200-1800 (SA: 1200-1800 only) (SU: 0200-1800)		
1350	Sarry, Iran	1				
	Chalus, Iran	10				
1390	Ahwaz	100		2055	1630	
	Jerusalem	1				(0300-1740)
1430	Skive +2	70		1140	1700	(SA:-1805)
	Pesaro +2	2		0000	1805	
	Bacau +1	50		2300	1800	
	Valencia	2	EAK - 5		2100	
	Barcelona	2	EAK - 7			
	Valladolid	2	EAK - 9			
	Malaga	2	EAK -11			
	Huelva	2	EAK- 14			
	Lerida	2	EAK -15			
	Puertallano	2	EAK -23			
	Leon	2	EAK -25			
	Lorca	2	EAK -29			
	Jaen	2	EAK -40	0100	2100	
	Reus	2	EAK -53			
	Çaceres	2	EAK -57			
	Lugo	2	EAK -58			(0130- SU)
	Figueras	2	EAK -82			
	Uzhgorod	50	2	0100	1600	Majak
	Beira, Moz.	5	EAC	2300	1700	(0000)
1460	Cara Mulo, Port.					
1500	Ahwaz	1		0230; 1025	0330; 1620	
1520	Ostrava/Praha +3	30	II	2230	2000	(0000)
	Alicante	2	EAJ-31	1000	1930	
	Burgos	2	EAJ-27	0155	1800	
	Lerida	2	EAJ-42	0145	1800	

1520	Albacete	2	EAJ-44	0152	1800	
	Vigo	2	EAJ-48	0145	1900	
	Alcira	2	EAJ-54	0155	1800	
	Jerez	2	EAJ-58	0100	2000	
	Jaen	2	EAJ-61	0100	1930	
	Lugo	2	EAJ-68	0145	1800	
	Mellila	1	EAJ-21	0145	1600	
	Livingstone	1		2155	1600	
1570	Santa Maria	1	CSB-81	<del>0700</del> 1200	<del>1100</del> 2100	(0600-2100)
	Burg	250		2200	1800	
	Osnabruck	5		2355	1900	
	Leon	5	EFE- 5	0200	1800	
	Alicante	5	EFE- 8	0145	1830	
	Vitoria	2	EFE-10	0200	1800	
	Santander	2	EFE-25	0200	1900	
	Tortosa	2	ECS- 6	0130	1700	
	Tarrega	2	ECS- 7	0200	1800	
	Socuellamos	2	ECS-10	0200	1900	
	Marbella	5	ECS-15	0230	1930	
	Soria	2	EFJ -2	0400	1700	
	Albacete	2	EFJ-23	0730	1700	
	Bejar	2	EFJ-38	0400	1500	
	Moscow #4	10		2200	1600	
	Bangui, C.A.R.	1		2330	1800	
	Mamey, Niger	1		0030-0130; 0630-0830; 1200 (SA 1000) 1700 (1800 SA); (0200-1630)		
	Kabwe	2		2155	1605	
1600 1570/	Georgetown, San Salvador	1	ZD8VR (Angola)	-----NSP-----		L. V. do Zaire