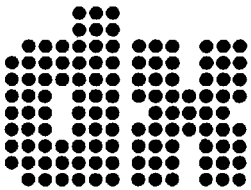


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WORLD WIDE DX CLUB



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DX MAGAZINE No. 12

Vol. XXXVIII

December 2003

Hello again,

Welcome to the last issue of our DX MAGAZINE in this year 2003. Let me take this opportunity to thank you very much for all your support during this year.

All new products of Klingenfuss Publications, **2004 Super Frequency List on CD-ROM**, **2004 Guide to Utility Radio Stations** and **2004 Shortwave Frequency Guide** have been published by December 6th. Detailed product descriptions, sample pages, database screenshots and the very latest references can be found on their website <<http://www.klingenfuss.org>>. Alternatively, you may ask for the free 24-pages 2004 catalogue to your postal address. (Klingenfuss



Publications, Hagenloher Str. 14, D-72070 Tuebingen, Germany, E-Mail: <info@klingenfuss.org>)

DL0WWH
CLUBSTATION OF AGDX

30 years of AGDX

30 YEARS OF AGDX
THE UMBRELLA ORGANISATION
OF GERMAN SPEAKING
SHORTWAVE LISTENERS CLUBS

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FOR MORE INFORMATION:
AGDX, P.O. BOX 1214, D-51282 BAD HOMBURG

Aus Anlaß des 30-jährigen Bestehens der **ARBEITSGEMEINSCHAFT DX e.V. (AGDX)** wird diese neben mehreren anderen Aktivitäten (s. auch Zeitschrift "Radio-Kurier/weltweit hören") den Sonder-DOK 30AGDX ihrer Klub-Amateurfunkstation mit dem Rufzeichen DL0WWH in der Zeit vom 15. bis 31. Dezember 2003 aktivieren. Nähere Informationen hierzu auch auf der Homepage der AGDX <<http://www.swl.net/agdx/>>.

Finally, let me wish you a Merry Christmas and a very Happy New Year

NEWS ABOUT BROADCASTING (+other) STATIONS
Dr. Juergen Kubiak · Goltzstr. 19 · D-10781 Berlin · GERMANY

AFGHANISTAN: *Radio Amani*, now scheduled Fridays 1630-1730 on 7350. (Mike Barraclough - World DX Club Contact via DXLD #3-198; November 3, 2003)

ALASKA: *KNLS*, Anchor Point, Alaska - season schedule B03. Mailing address: Station KNLS, Anchor Point, AK 99556, USA. Fax: +615-371-8791 and email: <KNLS@aol.com> (for reception reports subject should be "reception report" without quotes). KNLS will provide only ONE QSL for each report, regardless the number of entries and doesn't NOT provide QSL's for other transmitter operators who may air World Christian Broadcasting programs. Only 200 special cards are awarded each season. Each card is individually numbered and features a full color photo of Alaska. To qualify, a report must include: The date and time (UTC only) of the transmission, the frequency and as many program details as you

can supply. At the web you will find KNLS at the URL <www.knls.org>. Seasonal schedule valid November 30, 2003 to December 28, 2003:

UTC	kHz	Language	1300	9780	English
0800	9795	English	1400	7355	Mandarin
0900	7365	Russian	1500	7355	Mandarin
1000	7365	Mandarin	1600	7355	Mandarin
1100	7365	Russian	1700	7355	Russian
1200	7365	Mandarin			

(KNLS schedule at the web modified on 11. November 2003, via JKB)

ARMENIA: The *Voice of Armenia* announced their B03 current English schedule as:
2040-2100 on 4810 and 9960 (not Sunday)
0910-0930 on 4810 and 15270 (Sundays only)
(Dave Kenny - BDXC-UK via DXLD #3-197; November 1, 2003)

CHINA (TAIWAN): B03 English schedule of *Radio Taiwan International*, external service of *Central Broadcasting System of Taiwan - CBS*. Address: Central Broadcasting System, No.55 Pei An Road Taipei, Taiwan. WWW: <http://www.cbs.org.tw>.

Program Block 1:

0200-0300	9680	North America
	5950	North America (West Coast)
	15320	Southeast Asia
	11875	Philippines
0300-0400	15125	South America
0700-0800	5950	North America
0800-0900	9610	Australia, New Zeal., Phil., Indonesia
1200-1300	7130	Japan & Korea
1400-1500	15265	Southeast Asia
1600-1700	11550	South Asia
2200-2300	9355	Europe

Program Block 2:

0200-0300	15465	Japan & Korea
0300-0400	9680	North America
	5950	North America
	15320	Southeast Asia
	11875	Philippines
1100-1200	7445	Southeast Asia
1700-1800	11550	South Asia
1800-1900	3955	Europe

(CBS schedule at the web last modified on 12. November 2003, via JKB)

DENMARK: All shortwave transmissions of *Radio Denmark* will end at 31 December 2003, last transmission is 2230-2255 at 7465 and 7560. Internet presence will raise from 15 December 2003. (several sources)

ECUADOR: Broadcast schedule B03 (26 October 2003 - March 27, 2004), of *The Voice of the Andes - HCJB*. Mailing Address: HCJB World Radio, Casilla 17-17-691, Quito, Ecuador, Fax: +593-2-2267263. Frequency Manager: Douglas Weber, <dweber@hcjb.org.ec>, Fax +593 2 226 4765.

Language	Begin	End	Khz	KW	Degrees	Region						
ENGLISH	1100-1330	15115	100	330/128		N/S America		2130-0000	9745	100	155	S. America
	1100-1330	21455	1	35/225		Eur./S. Pacific	SPANISH	0000-0300	3220	8	90 (Vert.)	S. America
	0600-0630	9765	100	42		Europe		0100-0500	9745	100	325	Mexico
	0600-0630	21455	1	35/225		Eur./S. Pacific		1030-1100	21455	1	35/225	Eur./S. Pacific
GERMAN (High)	0930-1000	6010	100	155		S. America		1030-0500	690	50	000/180	Ecuador
	0930-1000	21455	1	35/225		Eur./S. Pacific		1100-1500	6050	50	18/172	S. America
	2300-2400	11980	100	150		S. America		1100-1300	11960	100	355	Cuba
	2300-2400	12020	50	131		S. America		1100-1500	15140	100	150	S. America
	0630-0700	9765	100	42		Europe		1300-1500	17690	100	323	Mexico
	0630-0700	21455	1	35/225		Eur./S. Pacific		1330-1500	21455	1	35/225	Eur./S. Pacific
GERMAN (Low)	1000-1030	6010	100	155		S. America		1900-0500	6050	50	000/180	Ecuador
	1000-1030	21455	1	35/225		Eur./S. Pacific		2000-0500	21455	1	35/225	Eur./S. Pacific
	2230-2300	11980	100	157/330		N/S America		2100-2300	15140	100	150	S. America
	2230-2300	12020	50	131		N/S America		2300-0100	15140	100	160/330	N/S America
	1030-1100	6050	50	18/172		S. America	Note: HCJB's shortwave broadcast schedule also includes these programs transmitted from					
	0800-0930	9745	100	100		N. Brazil	these locations:					
HUARANI PORTUGUESE	0800-0930	21455	1	35/225		Eur./S. Pacific	From Tx Australia.					
	1530-1800	15295	100	139		Brazil	English	0130-0330	15555	75	307	India
	2300-0230	11920	100	126		Brazil		0800-1100	11750	50	120	South Pacific
	0000-0230	12020	100	100		Brazil		1230-1700	15390	75	307	India
QUICHUA	0830-1000	6125	100	155		S. America	Urdu	0100-0130	15555	75	307	India
	0830-1030	690	50	000/180		Ecuador		1700-1730	15405	75	307	India
	0830-1200	3220	8	90 (Vert.)		S. America	From Tx U.K.					
	0830-1400	6080	8	90 (Vert.)		S. America	FSU Languages	1700-1800	11760	500	62	Central Asia
	2100-0300	6080	8	90 (Vert.)		S. America	Arabic	2100-2230	12025	250	150	N. Africa

(HCJB schedule at the web via JKB, 20 Nov 2003)

EUROPE: Trans World Radio - TWR-Europe to CIS, North Africa, Middle East & Central Asia. TWR is a Christian evangelical broadcaster with headquarters in North Carolina, USA (Trans World Radio, Box 8700 Cary, NC 27512 USA. Office: 800.456.7897 Fax: 919.460.3702). Postal addresses in Europe: PO Box 141, 1235 Vienna, Austria B.P. 349 - MC 98007, Monte Carlo, Monaco PO Box 176 - 3780 BD Voorthuizen, The Netherlands PO Box 12 - 820 02 Bratislava 22, Slovak Republic. Transmission schedule season B03:

Language	UTC	Days	kHz				
Albanian	2000-2015	45	1467	Lithuanian	1900-1930	1234567	1494
Albanian	2015-2030	1234 67	1467	Mandarin	2000-2015	3	1467
Arabic	0300-0330	12345	1233	Norwegian	2030-2100	12345	1494
Arabic	2059-2200	2	1233	Polish	1630-1645	7	7355
Arabic	2200-2300	12345	1467	Polish	1600-1630	1234567	6240
Arabic	2100-2300	67	1467	Polish	1630-1645	7	6240
Arabic	2015-2030	5	1395	Polish	0615-0630	1234567	7380
Arabic	2025-2044	2	1233	Polish	1600-1630	1234567	7355
Arabic	2025-2200	1 345	1233	Polish	2015-2030	1	1395
Arabic	2025-2215	67	1233	Polish	0615-0630	1234567	9850
Arabic	0300-0315	67	1233	Qashqai	1840-1855	7	12075
Arabic	0255-0300	1234567	1233	Qashqai	1840-1855	7	9960
Armenian/East	1630-1700	12345	5860	Romani/Balkan	1830-1845	1234567	1548
Armenian/East	1630-1645	67	7375	Romani/Vlax	1915-1945	12345	1548
Armenian/East	1630-1700	12345	7375	Rumanian	1700-1730	6	6170
Armenian/East	1630-1645	67	5860	Rumanian	1700-1730	6	7180
Assyrian	0315-0330	7	1233	Rumanian	1845-1915	1234567	1548
Belorussian	1459-1529	1	9495	Rumanian	1915-1945	6	1548
Belorussian	2030-2100	1	999	Russian	2030-2100	234567	999
Belorussian	1459-1529	1	11615	Russian	1444-1459	1	11615
Bulgarian	1800-1830	1234567	1548	Russian	1845-1900	67	999
Czech	1715-1730	12 45	6240	Russian	2000-2030	12 7	999
Czech	1715-1730	12 45	7180	Russian	2015-2030	6	999
Czech	2130-2200	1234567	1395	Russian	1444-1529	67	11615
English	0745-0850	6	9870	Russian	2015-2030	7	1395
English	0745-0920	7	12070	Russian	1444-1529	67	9495
English	0745-0920	7	9870	Russian	1444-1559	2345	9495
English	0755-0920	12345	9870	Russian	1444-1559	2345	11615
English	2300-2345	1234567	1467	Russian	1529-1559	1	11615
English	0745-0850	6	12070	Russian	1444-1459	1	9495
English	0755-0920	12345	12070	Russian	1529-1559	1	9495
Estonian	2030-2100	67	1494	Slovak	0600-0615	12345	6235
Farsi	2015-2030	3	1395	Slovak	0600-0615	12345	7315
Farsi	1725-1840	1234567	9960	Slovak	2115-2130	1234567	1395
Farsi	1725-1840	1234567	12075	Slovak	1130-1200	6	9490
Finnish	1930-2000	12345	1494	Slovak	1130-1200	6	7340
French	0328-0358	7	216	Slovenian	1330-1345	4 7	5945
French	0341-0356	123456	216	Slovenian	1330-1345	4 7	7280
German	0445-0515	1234567	1467	Sous	2000-2015	7	1467
German	2030-2130	12345	1467	Spanish	2015-2030	5	1467
German	0930-1015	7	7160	Sudanese	2044-2059	2	1233
German	1400-1430	7	7160	Swedish	2000-2030	12345	1494
German	1400-1430	7	9795	Tamazight	2000-2015	1	1467
German	1430-1500	1234567	7160	Tarifit	2000-2015	2	1467
German	1430-1500	1234567	9795	Turkish	2015-2030	2 6	1395
German	0930-0945	123456	9795	Ukrainian	2000-2030	345	999
German	0930-1015	7	9795	Ukrainian	1830-1845	67	999
German	2030-2100	67	1467	Ukrainian	1830-1900	12345	999
German	0930-0945	123456	7160	Ukrainian	2000-2015	6	999
Hungarian	1730-1800	1234567	6170	Bosnian	2045-2115	67	1395
Hungarian	0930-0945	23456	9490	Bosnian	1925-1940	67	1395
Hungarian	0930-0945	23456	7315	Croatian	1945-2000	123 5	1467
Hungarian	1940-2015	1234567	1395	Croatian	2030-2045	1234567	1395
Iraqi	0315-0330	6	1233	Croatian	1330-1345	123 56	5945
Kabyle	2130-2200	12345	1467	Croatian	2045-2115	12345	1395
Kabyle	2000-2015	6	1467	Croatian	1330-1345	123 56	7280
Kurdish/Sorani	2015-2030	4	1395	Serbian	1910-1940	12345	1395
Latvian	2000-2030	67	1494	Serbian	1915-2000	7	1548
Lithuanian	1930-2000	67	1494	Serbian	1945-2000	123456	1548
				Day 1=Monday			

(TWR-Europe schedule at the web via JKB, 20 Nov 2003)

GREECE: The *Voice Of Greece* - ERA5 B03 short wave transmission schedule effective 10/26/03 to 03/28/04:

EUROPE						1730-1800	792		Gr
0000-0300	5865	*7475				ATLANTIC OCEAN			
0300-0500	*5865	9420				0000-0300	5865	*7475	Gr
0500-0600	12105	9420				0300-0500	5865	9420	Gr
0600-0800	12105	9420	15630			0600-0800	15630	9420	Gr
0800-1000	12105	9420	15630			0800-1000	15630		Gr
1100-1200	11645	15630				1100-2000	15630		Gr
1200-1300	11645	15630	9420			2000-2300	15630	7475	Gr
1300-1400	11645	15630	9420			2300-2400	5865	7475	Gr
1400-1500	11645	15630	9420			AFRICA			
1500-1700	9420	15630				0000-0357	9375		Gr
1700-1800	9420	15630				0500-1000	12105		Gr
1800-1900	9420	15630	7475			1100-1500	11645		Gr
1900-2000	9420	15630	7475			1900-2000	[same as above, or below??]		
2000-2100	*9420	15630	7475	12105	Gr	2000-2050	[same as above, or below??]		
2100-2200	7475	15630			Gr	2300-2400	9375		Gr
2200-2300	7475	15630			Gr	JAPAN			
2300-2400	5865	7475			Gr	0600-0800	11750		Gr
FOREIGN LANGUAGE TRANSMISSIONS						PACIFIC OCEAN			
1200-1430	15650				"Gr,Ar"	1200-1400	15650		Gr
1430-1600	15650				"D,Rus,E"	AUSTRALIA			
1600-1800	12105				"R,Tr,Bg,Sc"	0000-0357	15650		Gr
1800-2000	12105				"Al,F,Pl,Eng"	0400-0800	17520		
MW						0400-0800	21530		Gr
0900-1700	792				"Gt,Ar,D,Rus,E,R,Tr"	0600-0800	11750	[Delano]	Gr
2000-2130	792				Gr	1200-1400	15650		Gr.Ar
2200-2300	792				Gr	2100-2257	9420	15650	Gr
TASKEND						2300-2400	15650		Gr
1200-1400	15650				Gr	NORTH AMERICA			
0000-0400	15650				Gr	0000-0300	5865	7475	Gr
0400-0700	21530	17520			Gr	1200-1500	9690	[Delano]	Gr
M.EAST						1600-2200	17705	[Delano]	Gr
0700-0800	21530	17520			Gr	SOUTH AMERICA			
INDIAN.OCEAN						0000-0357	9375		Gr
1200-1400	15650				"Gr,Ar"	PANAMA ZONE & SW AFRICA			
2100-2400	15650				Gr	2000-2200	17565	[Greenville]	Gr
MW						2300-2400	9375		Gr
0900-1400	1260				"Gr,Ar,D"				

Gr=Greek, Eng= English, Al= Albanian, Ar=Arabian, Bg= Bulgarian, F=French, E=Spanish, I=Italian, Pl=Polish, P=Portuguese, R=Romanian, Rus= Russian, S= Swedish, Sc=Serbo-croatian, Tr=Turkish.

(*) Transmission end 10 min earlier

LIVE AUDIO URL: <<http://www.ert.gr>>

Reports via e-mail: <era5@ert.gr>. Technical information: <bcharalabopoulos@ert.gr>

ERT S.A. MACEDONIA STATION

EUROPE 1100-1650 9935 Gr

EUROPE 1700-2350 7450 Gr

ERA 5 'THE VOICE OF GREECE' Messogion 432, 15342, Ag. Paraskevi Attikis, Tel +301 6066308, 6066297, Fax +301 6066309.

Macedonia Radio Station: Angelaki Str 2, 54621

Tel: +3031244979, Fax:+3031 236370

General Direction of E.RA (Engineering Div.): Messogeion 432, 15342, Ag. Paraskevi Attikis, Tel 301 606 6257 Fax +301 606 6243

(via Christos Rigas, via DXLD #3-199; November 4, 2003)

ERA-5 - THE VOICE OF GREECE TRANSMITTER SITES:

AVLIDA (Avlis)	23.36E/38.23N	SW: 2x100 KW
	3 SERIES OF CURTAINS; 2 LOG PERIODICS 0-360 DEG.	
DELANO, USA	119.17W/35.45N	SW: 1x250 KW
GREENVILLE, USA	77.25W/35.35N	SW: 1x250/500 KW
KAVALA	24.50E/40.53N	SW: 2x250 KW MW: 1x500 kW
	DIPOLE CURTAIN ANTENNAS	

RADIOPHONIKOS STATHMOS MAKEDONIAS, MACEDONIA RADIO STATION:

SITES: PIERIA-NEA MALGARA (THESSALONIKI) 22.59E/40.31N SW: 3x35 KW

DIPOLE - 315 DEG. (7430 kHz)

DIPOLE - 315 DEG. (9935 kHz)

RHOMBIC - 115 DEGREES (11595 kHz) (JKB)

HUNGARY: Radio Budapest new B03 schedule.

English to Eu	1600-1628 Sun	6025	9585		2300-2358 Daily	6025
	2000-2028 Daily	3975	6025	Hungarian to NoAm	0100-0158 Daily	9835
	2200-2228 Daily	6025			0230-0328 Daily	9835
English to SoAf	2200-2228 Daily	11965			2200-2258 Daily	9825
English to NoAm	0200-0228 Daily	9835		Hungarian to SoAf	2000-2058 Daily	11785
	0330-0358 Daily	9835		Hungarian to SoAm	2300-2358 Daily	9580 12010
German to Eu	1300-1358 Sun	6025	11925		0000-0058 Mon	9580 12010
	1500-1558 Sun	6025	9735	Hungarian to AUS	1200-1258 Daily	21560
	1800-1858 Sun	3975	6025		1900-1958 Daily	11925
	1830-1858 Mon-Sat	3975	6025	Italian to Eu	1730-1758 Daily	6025 7105
	2030-2058 Mon-Sat	3975	6025		2130-2158 Daily	6025 7215
French to Eu	1700-1728 Daily	3975	6025	Russian to Eu	0400-0428 Daily	3975 6025
	2100-2128 Daily	6025	9655		1630-1658 Sun	6025 7180
Hungarian to Eu	0500-1158 Sun	6025	(Kossuth R)		1800-1828 Mon-Sat	3975 6025
	0500-1658 Mon-Sat	6025	(Kossuth R)		2030-2058 Sun	3975 6025
	1200-1258 Sun	6025		Spanish to Eu&SoAm	0430-0458 Daily	3975 6025
	1400-1458 Sun	6025			2230-2258 Daily	6025 7160
	1900-1958 Daily	3975	6025			

(I. Ivanov and A. Datzinov in OBSERVER #276 via WB, 14 Oct 2003)

ITALY: Updated B03 schedule for **IRRS-Shortwave**, effective 26 October 2003 - 28 March 2004.

kHz	UTC	Day	ITU Zones	PWR / Mode	Az.	Language
13840	0900-1400	Sat & Sun	18-19, 27-30, 37-39	20 kW A3	nd	English, German
5775	2000-2130	daily (*)	18-19, 27-30, 37-39	20 kW A3*	nd	English, German, Italian
5775	2000-2130	Friday	18-19, 27-30, 37-39	100 kW A3**	nd	English, German, Italian

A3 = conventional Double Side Band (DSB) AM

(*) On Fridays 100 kW.

(**) Occasionally extended on Fridays until 2400 CET (2300 UTC) with 100 kW.

(IRRS schedule at the web last update on 11 October, 2003, via JKB)

KOREA (SOUTH): Radio Korea International - RKI broadcasts in 10 different languages on a total of 26 frequencies targeting 8 directions: Europe, North America, South America, Southeast Asia, Middle East & Africa, China, Japan and Non Direction. Latest B03 schedule:

<u>Europe</u>				Indonesian	1200-1300	9570, 13670
Korean 1	0900-1100	13670			1400-1500	9570, 13670
	1600-1800	7275			2200-2300	9755
	1700-1900	9515		Chinese	2300-2400	9755
Korean 2	0700-0800	9535 (Skelton)		<u>Middle East & Africa</u>		
	0900-1000	15210		Korean 1	1700-1900	7150
Russian	1600-1700	9515			1800-2000	9870
	1800-1900	7275, 7235 (Skelton)		Arabic	1900-2000	6150, 7150, 15365 (Rampisham)
	1900-2000	9515		English 1	1600-1700	7255, 9870
	2000-2100	7275		French	1600-1700	7150
Indonesian	2200-2300	7275			1800-1900	6150
English 1	0800-0900	13670			1900-2000	7150
	1900-2000	7275		<u>China</u>		
English 2	2200-2230	3955 (Skelton)		Chinese	1130-1230	6065
French	0800-0900	15210			2100-2200	6035
	2100-2200	6145 (Skelton)		<u>Japan</u>		
German	0700-0800	15210		Japanese	0000-0100	11810
	2000-2100	3955 (Skelton)			0800-0900	5975, 7275
Spanish	0700-0800	13670			1100-1200	7275, 9570
	2000-2100	15575			1200-1300	5975, 6135, 1170 (MW)
Chinese	2300-2400	7275			1400-1500	5975, 7275
<u>North America</u>					2300-2400	15575
Korean 2	0100-0200	15575		<u>Non Direction</u>		
Korean News	1100-1130	9650 (Sackville)		Korean 1	0900-1100	5975, 7275, 9570
English 1	0200-0300	9560 (Sackville), 15575			1700-1900	5975
	1130-1230	9650 (Sackville)			2100-2300	5975
<u>South America</u>				Korean 2	1000-1100	1170 (MW)
Korean	0300-0400	11810			1200-1300	7275
English	0200-0300	11810		Chinese	1300-1400	5975, 6135, 1170 (MW), 7275
Spanish	1000-1100	9580, 9760 (Sackville), 15210			2000-2100	5975
	0100-0200	11810			2300-2400	5975
<u>Southeast Asia</u>				Russian	1100-1200	5975, 6135, 1170 (MW)
Korean 1	0900-1100	9570		English 1	1600-1700	5975
English 1	0800-0900	9570			1900-2000	5975
	1300-1400	9570, 13670				

(RKI schedule at the web, via JKB, 20 Nov 2003)

MALTA: B03 schedule **Voice of the Mediterranean**, 26 October 2003 - 27 March 2004. Postal address: Voice of the Mediterranean, PO Box 143, Valletta CMR 01, Malta. Web: <<http://www.vomradio.com>>.

Monday to Saturday

0630-0700 6110 Arabic

1700-1730 6185 Italian
 1730-1800 6185 English
 2000-2100 7440 English*
 2100-2200 7440 Arabic
 (* Except on Friday)

Friday
 2000-2200 7440 Arabic

Sunday
 0500-0600 15560 Japanese
 0800-0900 9630 Italian

0900-1000 9630 English
 1000-1100 9630 Maltese
 1100-1200 9630 French
 1200-1300 9630 German
 2000-2100 7440 English
 2100-2130 7440 French
 2130-2200 7440 German

Transmitting Sites:

Rome - 100 KW, 6110 kHz, 9605kHz
 Moscow - 240 KW, 12060 kHz
 Komsomolski - 178 KW, 17570 kHz

(VOM schedule at the web modified on 30. October 2003, via JKB)

Maltese-based international broadcaster *Voice of the Mediterranean - VOM* closed down its Internet broadcasts 28 Nov 2003 amid allegations of wrongdoing at the station, which have been denied by its management. The shortwave transmissions are continuing for now, but are expected to close by the end of December. The station was supposedly jointly financed by the Maltese and Libyan governments, but according to Maltese government sources the Libyans have not made any payments since 1998. Despite that, the station moved into new purpose-built accommodation earlier this year. It also launched its fourth Web site in a relatively short space of time. The contract to run the Web site was awarded to a Maltese Internet company that employs the son of VOM station manager Richard Muscat. Government officials say the station's books have been audited, and nothing untoward has been found. According to the Maltese government, Libya has now informed it that it no longer wishes to finance the station, so the government decided to close it down. The opposition believe that such a decision should not have been taken unilaterally by the government without a debate in parliament. The Labour Party's spokesperson for foreign affairs and IT, Leo Brincat, has called for an independent enquiry into circumstances surrounding the station, which has cost the taxpayer 1.5 million Maltese pounds over the past three years. (AS at RNMN© November 29, 2003; via JKB)

MISCELLANEOUS: After a break of two years, on 12 December this year the Gerbrandy tower in IJsselstein, better known to most people as Lopik, will again be transformed into the '*biggest Christmas tree in the world*'. A foundation set up to raise sponsorship money has collected approximately ~ 65,000 this year. Local residents, as well as transmitter operator Nozema and other commercial sponsors, have contributed to make sure that the 120 lights go on again. Nozema says the lighted mast is clearly visible as far away as Hilversum and Gorinchem. (AS at RNMN© November 27, 2003; via JKB)

English shortwave broadcasts sorted by time. With Credits to PRIME TIME SHORTWAVE <<http://primetimeshortwave.com>> and Daniel Sampson <dsampson@triwest.net>, who updated on Nov 28, 2003 this version B03v06. This shortwave schedule list is intended for personal use only. Any other use without giving credit to or getting permission from Daniel Sampson, dsampson@triwest.net, and giving credit to the Prime Time Shortwave website is strictly prohibited.

Relay site codes: ae-United Arab Emirates, an-Antigua, as-Ascension, bo-Bonaire Neth. Antilles, ca-Sackville Canada, cu-Cuba, de-Delano USA, fg-French Guiana, ga-Gabon, ge-Germany, gr-Greenville USA, ma-Madagascar, po-Sines Portugal, ru-Russia, rw-Rwanda, sa-South Africa, si-Singapore, sl-Sri Lanka, sw-Sweden, uk-United Kingdom, wr-WRMI USA, wy-WYFR USA.

Days of week: Su-Sunday, M-Monday, Tu-Tuesday, W-Wednesday,

Th-Thursday, F-Friday, Sa-Saturday;

Target areas: Af-Africa, Am-America,

As-Asia, Au-Australia, Eu-Europe, In-India, Ja-Japan, LA-Latin America, ME-Middle East, NA-North America, Oc-Oceania, SA-South America, UK-United Kingdom;

Other: occ use-occasional use

UTC Time	Notes	Country	Station	Frequencies
0000-0015	As	Japan	R. Japan	13650, 17810
0000-0030	As, Oc	Australia	R. Australia	9660, 12080, 13630, 15240, 17750, 17775, 17795, 21725
0000-0030	NA	Egypt	R. Cairo	11725
0000-0030	Eu, Af	Thailand	R. Thailand	9680
0000-0030	As	United Kingdom	BBC	3915, 5970, 6195, 9410, 9740, 11945
0000-0030	As	United Kingdom	BBC	11955, 15280, 15310, 15360, 17615, 17790
0000-0045	As	India	All India R.	9705, 9950, 11620, 11645, 13605
0000-0057	As	Canada	CBC	9755ch, 11895ch
0000-0059	Am	Spain	R. Ext. Espana	6055
0000-0059	As	Germany	Deutsche Welle	7290sl, 9880
0000-0059	NA	Canada	CBC	5960, 9590
0000-0100	NA	Netherlands	R. Netherlands	9845bo
0000-0100	NA	Japan	R. Japan	6145ca
0000-0100	Am, Tu-Sa	U. S. A.	V. of America	5995, 6130, 7405, 9455, 9775, 11695, 13790
0000-0100	NA	Bulgaria	R. Bulgaria	7400, 9400

0000-0100	As, Oc	U. S. A.	V. of America	7215, 9890, 11760, 15185, 15290, 17740, 17820
0000-0100	NA	U. S. A.	WYFR	6085, 9505, 11720
0000-0100	NA	U. S. A.	WWCR	3210, 5070, 7465, 13845
0000-0100	As	U. S. A.	KVOH	17775
0000-0100	LA	United Kingdom	BBC	5975, 6010, 9825, 12095
0000-0100	LA	Croatia	Croatian R.	7285ge
0000-0130	Oc, As	Australia	Voice Int'l	17775
0000-0200	NA,Su-M	U. S. A.	WWBS	11900
0000-0300	Am	U. S. A.	WSHB	7535, 9430
0000-0300	Am	U. S. A.	WRMI	7385, 9955
0000-0300	Am	U. S. A.	WRNO	7355 inactive
0000-0300	Af	Zambia	Christian Vision	4965
0000-0359	Oc,NA	New Zealand	RNZI	17675
0000-0400	As	Hawaii	KWHR	17510
0000-0500	NA, Eu, Af	U. S. A.	WEWN	5825
0000-0600	NA	U. S. A.	WBCQ	7415, 9335
0000-0600	NA	Canada	CBC Northern Svce	9625
0000-0600	Am, Eu, Af	Costa Rica	Univ. Network	5030, 6150, 7375, 9725
0000-0600	Am	U. S. A.	WINB	9320
0000-0700	NA	U. S. A.	WWRB	5050, 5085, 6890
0000-0700	LA	Guyana	V. of Guyana	3290
0000-0800	As	Papua N Guinea	NBC Port Moresby	9675
0000-1000	Am	U. S. A.	WHRI	5745, 7315
0000-1000	NA	U. S. A.	WHRA	7580
0000-1400	NA	U. S. A.	KAIJ	5755
0000-1600	NA	U. S. A.	KTBN	7505
0000-1800	NA	U. S. A.	KIMF	5835
0030-0100	NA	Thailand	R. Thailand	13695
0030-0100	NA	Lithuania	R. Vilnius	7325
0030-0100	As	United Kingdom	BBC	6195, 9410, 9580, 9740, 15280, 15310, 15360, 17615, 17790
0030-0100	As	United Arab Em	AWR	9720, 9810
0030-0100	As, Su-F	United Kingdom	BBC	5970, 11955
0030-0130	As, Oc	Australia	R. Australia	9660, 12080, 13630, 15240, 15415, 17750, 17775, 17795, 21725
0030-0230	Am	Iran	VOIRI	6120, 9580
0030-0430	As	Sri Lanka	Sri Lanka B. C.	6005, 11905, 15745
0035-0050	LA, Sa-Su	Austria	R. Austria Int'l	13730
0045-0100	LA, M-F	Austria	R. Austria Int'l	13730
0045-0100	Eu	Germany	Pan American B/C	9435
0045-0115	As	Pakistan	R. Pakistan	9340, 11565
0055-0115	NA	Italy	RAI	9675, 11800
0100-0127	NA	Czech Republic	R. Prague	6200, 7345
0100-0128	NA	Vietnam	V. of Vietnam	6175ca
0100-0130	Am, Tu-Sa	U. S. A.	V. of America	5995, 6130, 7405, 9455, 9775, 13790
0100-0130	Am	Slovakia	R. Slovakia Int'l	5930, 7230, 9440
0100-0130	As	Uzbekistan	R. Tashkent	5975, 6165, 7160
0100-0130	NA, Eu, M-Sa	Serbia Monteneg	Int R Serb-Mont	7115
0100-0156	NA, As	Romania	R. Romania Int'l	6040, 9510, 9530, 11740
0100-0200	LA, As	North Korea	V. of Korea	3560, 6195, 7140, 9345, 9520, 11735
0100-0200	NA	China	China R. Int'l	9580cu, 9790ca
0100-0200	NA	Ukraine	R. Ukraine Int'l	5905
0100-0200	NA, As	U. S. A.	WYFR	6065, 9505, 15060ta
0100-0200	As	United Kingdom	BBC	6195, 9410, 11955, 15280, 15310, 15360, 17790
0100-0200	ME, Af, As	Japan	R. Japan	11860si, 11880sl, 15325, 17560, 17685, 17810, 17825, 17835, 17845
0100-0200	As, ME	Indonesia	V. of Indonesia	9525, 11785 alt, 15150 alt
0100-0200	NA	Netherlands	R. Netherlands	6165bo
0100-0300	As, Oc	U. S. A.	V. of America	7200, 7255, 9850, 11705, 11820, 15250, 15290, 17740, 17820
0100-0300	LA	United Kingdom	BBC	5975, 9525, 9825, 12095
0100-0500	NA	Croatia	Croatian R.	7285ge
0100-0500	NA	Cuba	R. Havana Cuba	6000, 9820, 11705 USB
0100-0500	NA	U. S. A.	WWCR	3210, 5070, 5935, 7465
0100-0800	As	U. S. A.	KVOH	9975
0105-0120	LA, Sa-Su	Austria	R. Austria Int'l	13730
0115-0130	LA, M-F	Austria	R. Austria Int'l	13730
0130-0145	Eu	Germany	Pan American B/C	9495
0130-0200	Am, Tu-Sa	U. S. A.	V. of America	5995, 6130, 9455
0130-0200	Am, Tu-Sa	U. S. A.	V. of America	7405, 9775, 13740
0130-0200	LA	Ireland	RTE	6155uk
0130-0200	As	Sweden	R. Sweden	9435
0130-0200	As, Oc	Australia	R. Australia	9660, 12080, 13630, 15240, 15415, 17750, 17795, 21725
0130-0330	As	Australia	HCJB	15555
0135-0150	NA, Su-M	Austria	R. Austria Int'l	7325, 9870
0140-0200	As, Au	Vatican City	Vatican R.	7335, 9865
0145-0200	NA, Tu-Sa	Austria	R. Austria Int'l	7325, 9870
0200-0227	NA	Czech Republic	R. Prague	6200, 7345
0200-0228	NA	Hungary	R. Budapest	9835
0200-0230	NA, Eu	Serbia Monteneg	Int R Serb-Mont	7130
0200-0230	Eu, F-M, W	Belarus	R. Minsk	5970, 7210
0200-0257	As	Canada	R. Canada Int'l	15150ch, 17860ch
0200-0259	Am	Canada	R. Canada Int'l	6040, 9755, 11725
0200-0300	NA, Tu-Sa	Argentina	RAE	11710
0200-0300	NA, As	Taiwan	Taiwan R. Int'l	5950wy, 9680wy, 11875, 15320, 15465
0200-0300	NA, SA, As	South Korea	R. Korea Int'l	9560ca, 11810, 15575
0200-0300	NA, ME	Russia	V. of Russia	5995, 6155, 7180, 9765, 15445, 15595
0200-0300	As	United Kingdom	BBC	6195, 9410, 9750, 11955, 15280, 15310, 15360, 17790
0200-0300	NA	U. S. A.	WYFR	5985, 6065, 9505, 9985, 11855
0200-0300	As	North Korea	V. of Korea	4405, 9325, 11335
0200-0330	NA	Egypt	R. Cairo	11780
0200-0330	NA	U. S. A.	KJES	7555
0200-0330	ME, As	Austria	AWR	7230
0200-0330	As, Oc	Philippines	Philippines B. S.	11885, 15120, 15270
0200-0400	As, Oc	Australia	R. Australia	9660, 12080, 13630, 15240, 15415, 15515, 17750, 21725
0205-0220	NA, Su-M	Austria	R. Austria Int'l	7325, 9870
0215-0230	NA, Tu-Sa	Austria	R. Austria Int'l	7325, 9870
0215-0230	As	Nepal	R. Nepal	3230, 5005, 6100, 7165
0230-0258	NA	Vietnam	V. of Vietnam	6175ca
0230-0300	NA	Sweden	R. Sweden	9495ca
0245-0300	NA	Albania	R. Tirana	6115, 7160
0250-0315	Am	Vatican City	Vatican R.	7305, 9605
0300-0320	As, Au	Vatican City	Vatican R.	17665
0300-0330	NA, Sa	Wales	Wales R. Int'l	9735uk

0300-0330	Af	U. S. A.	V. of America	4960, 6035, 6080, 7265, 7290, 7340, 7415, 9575, 9885
0300-0330	NA	Thailand	R. Thailand	15460
0300-0330	Af	United Kingdom	BBC	3255, 6005, 6190, 7160, 9750, 11765, 12035
0300-0330	Af	Vatican City	Vatican R.	9660
0300-0355	Af	South Africa	Channel Africa	3345, 9770
0300-0356	NA	Romania	R. Romania Int'l	6040, 9515
0300-0400	Am	Mexico	R. Mexico Int'l	9705, 11770
0300-0400	NA	China	China R. Int'l	9690sp, 9790ca
0300-0400	NA	Bulgaria	R. Bulgaria	7400, 9400
0300-0400	NA, As	Taiwan	Taiwan R. Int'l	5950wy, 9680wy, 11875, 15125, 15320
0300-0400	As	North Korea	V. of Korea	3560, 6195, 7140, 9345
0300-0400	Eu	U. S. A.	WSHB	5850, 7535
0300-0400	NA	Russia	V. of Russia	6155, 7180, 7350, 15445, 15595
0300-0400	Eu	United Kingdom	BBC	6195
0300-0400	ME, As	United Kingdom	BBC	9410, 11760, 15575
0300-0400	Oc	Japan	R. Japan	21610
0300-0400	NA	U. S. A.	WYFR	6065, 9505, 11740
0300-0400	LA	United Kingdom	BBC	5975, 9525
0300-0400	As	Oman	R. Oman	15355
0300-0400	LA	Guatemala	R. Cultural	3300
0300-0500	As	United Kingdom	BBC	15280, 15310, 15360, 17760, 17790, 21660
0300-0600	Af	Zambia	Christian Vision	6065
0300-0830	Oc, As	Malaysia	V. of Malaysia	6175, 9665, 9750, 15295
0300-1000	Am	U. S. A.	WRMI	7385
0300-1600	Am	U. S. A.	WRNO	7395 inactive
0330-0358	NA	Hungary	R. Budapest	9835
0330-0358	LA	Vietnam	V. of Vietnam	6175ca
0330-0400	NA	United Arab Em	Emirates R.	12005, 13675, 15400, 17890
0330-0400	NA	Sweden	R. Sweden	9495ca
0330-0400	NA	Albania	R. Tirana	6115, 7160
0330-0400	Af	U. S. A.	V. of America	4960, 6035, 6080, 7265, 7290, 7415, 9575, 9885
0330-0400	As	United Arab Em	AWR	15160
0330-0400	Af	United Kingdom	BBC	3255, 6005, 6190, 7160, 9750, 11765, 12035, 15420
0330-0430	ME, As, Su	United Kingdom	BBC	5875, 6065, 7130, 7265, 9670
0400-0427	NA	Czech Republic	R. Prague	6200, 7345
0400-0430	Af	U. S. A.	V. of America	4960, 6080, 7290, 7415, 9575, 9775, 9885
0400-0430	Af	France	R. France Int'l	9550ga, 11700, 11910, 13610
0400-0430	As, Oc	Australia	R. Australia	9660, 12080, 13630, 15240, 15515, 17750, 21725
0400-0450	Eu, As, Oc	Turkey	V. of Turkey	6020, 7240
0400-0459	Af	Germany	Deutsche Welle	6180rw, 9545rw, 9710
0400-0500	NA, Eu	U. S. A.	WYFR	6065, 7355, 9505, 9715
0400-0500	NA	Ukraine	R. Ukraine Int'l	5905
0400-0500	Eu, ME	U. S. A.	V. of America	7170, 15205
0400-0500	As	Hawaii	KWHR	17780
0400-0500	NA	Netherlands	R. Netherlands	6165bo, 9590bo
0400-0500	NA	Russia	V. of Russia	7125, 7180, 7350, 7240, 12010, 15445, 15595
0400-0500	Eu	United Kingdom	BBC	6195, 9410
0400-0500	Af	United Kingdom	BBC	3255, 6005, 6190, 7160, 11765, 12035, 15420
0400-0500	LA	United Kingdom	BBC	5975, 6010, 6135
0400-0500	ME, As	United Kingdom	BBC	9410
0400-0600	NA	China	China R. Int'l	6190ca, 9560ca, 9755fg
0400-0600	Eu, Af	U. S. A.	WSHB	7535, 12020
0400-0600	Af	Germany	R. Africa Int'l	9815
0400-0705	Oc, NA, Eu	New Zealand	RNZI	15340
0400-0900	Eu	U. S. A.	WMLK	9465, 9955
0430-0457	ME, As	Czech Republic	R. Prague	9865, 11600
0430-0500	Af	U. S. A.	V. of America	4960, 6080, 7290, 7415, 9575, 9775
0430-0500	As, Oc	Australia	R. Australia	9660, 12080, 13630, 15240, 15415, 15515, 17750, 21725
0430-0500	Af, M-F	Swaziland	TWR	4775, 6120
0430-0500	ME, As, S-S	United Kingdom	BBC	5875, 6065, 7130, 9670
0445-0500	Af	Italy	RAI	5965, 6100, 7235
0500-0515	NA, Eu, Oc	Israel	Israel B/C Auth.	9435, 11605, 17600
0500-0525	NA	Belgium	R. Vlaanderen i	9590bo
0500-0525	As	Vietnam	V. of Vietnam	9840, 12020
0500-0530	Af	France	R. France Int'l	15155ga, 11685, 17800
0500-0530	As	United Kingdom	BBC	11955, 15280, 15310, 15360, 17760, 17790, 21660
0500-0530	As, Oc	Australia	R. Australia	9660, 12080, 13630, 15240, 15515, 17750
0500-0530	Af	Vatican City	Vatican R.	7360, 9660, 11625
0500-0530	Af	South Africa	AWR	5960, 6015
0500-0530	ME, As, S-S	United Kingdom	BBC	7295, 9670, 11845
0500-0555	Af	South Africa	Channel Africa	9525, 11710
0500-0559	Af	Germany	Deutsche Welle	9565rw, 11805, 12045rw, 15410ae
0500-0600	NA, Eu, As	Japan	R. Japan	5975uk, 6110ca, 7230uk, 11715, 11760, 15195, 17810, 21755
0500-0600	Af	U. S. A.	V. of America	6035, 6080, 6105, 7295, 11835, 13710
0500-0600	Eu	U. S. A.	WYFR	6855, 7520
0500-0600	ME, As	United Kingdom	BBC	11760, 15565, 15575
0500-0600	Af	United Kingdom	BBC	6005, 6190, 7160, 11765, 11940, 15420, 17640, 17885
0500-0600	NA	Russia	V. of Russia	7125, 7180, 7240, 12010, 15445, 15595
0500-0600	LA	United Kingdom	BBC	6135
0500-0600	Eu	United Kingdom	BBC	6195, 9410, 12095
0500-0600	Eu, ME	U. S. A.	V. of America	7170, 9700, 11825, 15205
0500-0630	Af	Swaziland	TWR	6120, 7205, 9500
0500-0700	NA, Eu	Cuba	R. Havana Cuba	9550, 9820, 9830
0500-0700	As	Hawaii	KWHR	17780
0500-0800	NA, Eu, Af	U. S. A.	WEWN	5825, 7570
0500-0800	NA	Kuwait	R. Kuwait	15110
0500-0900	NA	U. S. A.	WWCR	3210, 5070, 5935, 7560
0500-1100	Af	Nigeria	V. of Nigeria	7255, 17800
0530-0600	Oc, As	United Arab Em	Emirates R.	13675, 15435, 17830, 21700
0530-0600	Eu	Thailand	R. Thailand	13780
0530-0600	As, Oc	Australia	R. Australia	9660, 12080, 13630, 15160, 15240, 15515, 17750
0530-0600	As	United Kingdom	BBC	6010, 9865, 11955, 15310, 15360, 17760, 17790, 21660
0530-0630	Af	South Africa	AWR	15345
0600-0615	Af	South Africa	TWR	11640
0600-0620	Eu	Vatican City	Vatican R.	4005, 5890, 7250
0600-0630	Af	U. S. A.	V. of America	6035, 6080, 6105, 7295, 11835, 11995, 13710
0600-0630	Af	France	R. France Int'l	11665as, 17800, 21620
0600-0630	Af	United Kingdom	BBC	6005, 6190, 7160, 11765, 11940, 17640, 17885
0600-0655	Af	South Africa	Channel Africa	9525, 15215
0600-0659	Af	Germany	Deutsche Welle	7225po, 11785, 15410rw

0600-0700	Af	U. S. A.	WSHB	7535
0600-0700	NA,As,EU	Japan	R. Japan	7230uk, 11740si, 11690, 15195, 17870, 21755
0600-0700	EU	U. S. A.	WYFR	7355, 11530, 11580
0600-0700	EU, ME	U. S. A.	V. of America	5995, 7170, 11825, 11930, 15205
0600-0700	NA	U. S. A.	WBCQ	7415
0600-0700	EU	United Kingdom	BBC	6195, 9410, 12095
0600-0700	ME, As	United Kingdom	BBC	15565, 15575
0600-0700	As, Oc	Australia	R. Australia	9660, 11880, 12080, 15160, 15240, 15515, 17750
0600-0800	Oc	Croatia	Croatian R.	9470ge
0600-0800	Oc	Russia	V. of Russia	21790
0600-0800	Af	Germany	R. Africa Int'l	11690
0600-0900	Am,EU,Af	Costa Rica	Univ. Network	5030, 6150, 7375, 9725, 11870
0600-0900	As	United Kingdom	BBC	11955, 15310, 15360, 17760, 17790, 21660
0600-1000	Oc	Vanuatu	R. Vanuatu	4960
0600-1500	Af	Zambia	Christian Vision	9865
0600-1800	EU	Germany	Deutsche Welle	6140
0600-1800	Af	Liberia	R. Liberia	6100
0630-0645	EU, Su	United Kingdom	BBC	9875
0630-0700	Af, Sa-Su	U. S. A.	V. of America	6035, 6080, 6105, 7295, 11835, 11995, 13710
0630-0700	Af	Vatican City	Vatican R.	9660, 11625, 13765
0630-0700	EU	Georgia	Georgia R.	11805
0630-0700	Af	United Kingdom	BBC	6005, 6190, 7160, 11765, 11940, 15400, 17640, 17885
0630-0900	Af	Swaziland	TWR	7205, 9500
0635-0650	ME, Su	Austria	R. Austria Int'l	17870
0700-0726	EU	Romania	R. Romania Int'l	11775, 15105
0700-0730	Oc	Slovakia	R. Slovakia Int'l	13715, 15460, 17550
0700-0730	ME, As	United Kingdom	BBC	11760, 15565, 15575
0700-0800	EU, Af	U. S. A.	WYFR	7355, 9985
0700-0800	As, Oc	Australia	R. Australia	9660, 11880, 12080, 13630, 15160, 15240, 17750
0700-0800	Af	France	R. France Int'l	15605ga
0700-0800	EU	United Kingdom	BBC	6195, 9410, 12095, 15485
0700-0800	Af	United Kingdom	BBC	6190, 11765, 11940, 15400, 17885
0700-0800	NA	Taiwan	Taiwan R. Int'l	5950wy
0700-0800	As	Hawaii	KWHR	11565, 17780
0700-0900	Af, Oc	U. S. A.	WSHB	7535, 9845
0700-2200	SA	Guyana	V. of Guyana	3290, 5950
0705-0720	ME, Su	Austria	R. Austria Int'l	17870
0705-0720	Af	United Kingdom	BBC	6005
0706-1105	Oc, NA	New Zealand	RNZI	11675
0730-0745	EU,As,M-F	Vatican City	Vatican R.	4005, 5890, 6185, 7250, 9645, 11740, 15595
0730-0800	Af, ME	Switzerland	Swiss R. Int'l	9885ge, 13790ge, 17665
0730-0800	EU	Bulgaria	R. Bulgaria	11600, 13600
0730-0900	ME, As	United Kingdom	BBC	11760, 15565, 15575 Sa-Su, 17640
0730-0900	Oc	Guam	KTWR	15205
0730-1130	Oc	Australia	HCJB	11750
0740-0900	Oc, M-F	Guam	KTWR	15205
0745-0850	EU, Sa	Monaco	TWR	9870
0745-0850	EU, Sa	Albania	TWR	12070
0745-0920	EU, Su	Monaco	TWR	9870
0745-0920	EU, Su	Albania	TWR	12070
0745-0930	Oc, M-F	Guam	KTWR	15330
0755-0920	EU, M-F	Monaco	TWR	9870
0755-0920	EU, M-F	Albania	TWR	12070
0800-0825	EU	Belgium	R. Vlaanderen i	5985uk
0800-0827	EU	Czech Republic	R. Prague	7345, 9880
0800-0830	As, Oc	Australia	R. Australia	5995, 9580, 9590, 9710, 12080, 13630, 15240, 17750
0800-0900	As	Alaska	KNLS	9795
0800-0900	Af	U. S. A.	WYFR	9985
0800-0900	EU, As	South Korea	R. Korea Int'l	9570, 13670
0800-0900	As, Oc	Indonesia	V. of Indonesia	9525, 11785 alt, 15150 alt
0800-0900	Oc	Russia	V. of Russia	17495, 17525, 17665, 21790
0800-0900	Oc	Taiwan	Taiwan R. Int'l	9610
0800-0900	EU	United Kingdom	BBC	9410, 12095, 15485
0800-1000	Af	United Kingdom	BBC	6190, 11940, 15400, 17830, 17885, 21470
0800-1200	EU, Sa-Su	Italy	IRRS Relay Serv.	13840
0800-1300	NA	U. S. A.	WEWN	5825
0800-1300	As	Hawaii	KWHR	9930, 11565
0800-1400	As	Papua N Guinea	NBC Port Moresby	4890
0815-0930	Oc	Guam	KTWR	15330
0830-0850	As	Bangladesh	R. Bangladesh	7185, 9550
0830-0900	Af, ME	Switzerland	Swiss R. Int'l	21770
0830-0900	As, Oc	Australia	R. Australia	5995, 9580, 9590, 9710, 12080, 13630, 15240, 15415, 17750
0830-0900	Af	Austria	AWR	9660, 17670
0830-0900	EU	Georgia	Georgia R.	11910
0900-0930	As, Oc	Australia	R. Australia	9580, 9590, 11880, 15240
0900-0930	Af	Austria	AWR	17670
0900-1000	EU, LA	U. S. A.	WSHB	7535, 9455
0900-1000	NA	U. S. A.	WOCR	3210, 5070, 5935, 7560
0900-1000	LA	United Kingdom	BBC	15190
0900-1000	Oc, As	Australia	Voice Int'l	11955
0900-1000	EU, Su	Malta	V.ofMediterranean	9630it
0900-1000	Oc	Russia	V. of Russia	17495, 17525, 17665
0900-1030	As	United Kingdom	BBC	6195, 9605, 9740, 15310, 17760, 17790, 21660
0900-1100	Oc	China	China R. Int'l	15250, 17690
0900-1200	Am,EU,Af	Costa Rica	Univ. Network	5030, 6150, 7375, 9725, 11870, 13750
0900-1400	ME, As	United Kingdom	BBC	11760, 15565, 15575, 17640
0900-1500	EU	United Kingdom	BBC	12095, 15485
0910-0930	As, Su	Armenia	V. of Armenia	4810, 15270
0930-1000	EU	Greece	V. of Greece	9420, 12105, 15630
0930-1000	EU	Lithuania	R. Vilnius	9710
0930-1000	As	Georgia	Georgia R.	11910
0930-1100	As, Oc	Australia	R. Australia	9580, 9590, 11880, 15240, 15415
1000-1029	As	Germany	Deutsche Welle	6205ru, 15190si, 17820sl
1000-1029	As, Af	Czech Republic	R. Prague	21745
1000-1030	Oc	Ireland	RTE	15280si
1000-1030	As	Mongolia	V. of Mongolia	12085
1000-1030	As	Guam	AWR	11705, 11900
1000-1100	As, Oc	Netherlands	R. Netherlands	7260ru, 9785bo, 12065ru, 13820ru
1000-1100	LA	United Kingdom	BBC	6195, 15190 Sa-Su
1000-1100	NA	U. S. A.	WOCR	5070, 5935, 7560, 9475

1000-1100	NA	U. S. A.	WYFR	5950
1000-1100	As, Oc	India	All India R.	7270, 13710, 15020, 15235, 15260, 17510, 17800, 17895
1000-1100	Af	United Kingdom	BBC	6190, 11940, 15400 Sa-Su.17830 Sa-Su, 17885, 21470
1000-1100	Oc,As,EU	Japan	R. Japan	6120ca, 9695, 11730, 17585ae, 21755
1000-1100	EU,exW&Su	Vatican City	Vatican R.	5890
1000-1100	LA, As	North Korea	V. of Korea	3560, 9335, 9850, 11710, 11735
1000-1100	Oc, As	Australia	Voice Int'l	11955, 13685
1000-1200	Am	U. S. A.	WSHB	6095, 9455
1000-1300	Am	U. S. A.	WHRI	9840, 9495
1000-1300	Am	U. S. A.	WRMI	9955
1030-1100	EU, Af	United Arab Em	Emirates R.	13675, 15395, 15435, 17865, 21605
1030-1100	As	United Kingdom	BBC	6195, 9605, 9740, 11945, 15285, 15310, 17760, 17790, 21660
1030-1100	As	Guam	AWR	11900
1030-1130	As, Oc	Iran	VOIRI	15385, 15460, 15480, 21470, 21730
1100-1128	As	Vietnam	V. of Vietnam	7285
1100-1130	LA	United Kingdom	BBC	6195 Sa-Su, 15190 Sa-Su, 17790
1100-1130	As, Oc	Australia	R. Australia	5995, 6020, 6035, 9475, 9580, 9590, 11880, 15240
1100-1130	Af	United Kingdom	BBC	6190, 11940, 15400, 17830, 17885, 21470
1100-1159	As	Germany	Deutsche Welle	17670sl, 21650ka
1100-1200	NA, As	Japan	R. Japan	6120ca, 9695, 11730
1100-1200	NA, LA	U. S. A.	WYFR	5950, 9555, 11725, 11830
1100-1200	As	United Kingdom	BBC	6195, 9740, 15310, 17760, 17790
1100-1200	As	Taiwan	Taiwan R. Int'l	7445
1100-1200	NA	U. S. A.	WWCR	5070, 5935, 7560, 15825
1100-1330	Am,EU,Oc	Ecuador	HCJB	15115, 21455
1100-1400	As	Singapore	R. Singapore Intl	9600
1100-1400	Oc, As	Australia	Voice Int'l	13685
1100-2000	Af	Nigeria	V. of Nigeria	7255, 15120
1105-1200	NA,EU,Su	Greece	V. of Greece	11645, 15630
1106-1259	Oc	New Zealand	RNZI	15530
1115-1130	NA,EU,Af	Israel	Israel B/C Auth.	15640, 17545
1130-1145	As	United Kingdom	BBC	7135, 11750
1130-1155	As	Belgium	R. Vlaanderen i	9945ru
1130-1157	EU,Af,ME	Czech Republic	R. Prague	11640, 21745
1130-1200	Oc, Sa	Wales	Wales R. Int'l	17625uk
1130-1200	Af,As,F	Vatican City	Vatican R.	15595, 17515
1130-1230	NA	South Korea	R. Korea Int'l	9650ca
1130-1300	Af	United Kingdom	BBC	6190, 11940, 17830, 17885, 21470
1130-1300	As, Oc	Australia	R. Australia	5995, 6020, 6035, 9475, 9580, 9590, 11880
1130-1400	LA	United Kingdom	BBC	6195, 15190
1200-1230	Af	France	R. France Int'l	17815as, 21620, 25820
1200-1230	As	Uzbekistan	R. Tashkent	5060, 5975, 6025, 9715
1200-1230	As	United Arab Em	AWR	15135
1200-1259	As	Canada	CBC	9795ch, 11730ch
1200-1300	NA	Netherlands	R. Netherlands	5965ca
1200-1300	As, Oc	U. S. A.	V. of America	6110, 9645, 9760, 11705, 11715, 15250, 15425
1200-1300	NA	U. S. A.	WYFR	5950, 11970, 11830, 13695
1200-1300	EU	Ukraine	R. Ukraine Int'l	15520
1200-1300	As, Oc	China	China R. Int'l	9730, 9760, 11760, 11980, 15415 9320
1200-1300	As	Taiwan	Taiwan R. Int'l	7130
1200-1300	NA	U. S. A.	WWCR	5070, 5935, 7560, 15825
1200-1400	As	United Kingdom	BBC	6195, 9740, 15310, 17760, 17790
1200-1400	Am	U. S. A.	WSHB	9430, 9455
1200-1600	NA	Costa Rica	Univ. Network	9725, 11870, 13750
1200-2400	Am	Canada	CBC Northern Svce	9625
1215-1230	As, Sa-Su	India	TWR	7560
1215-1330	As	Egypt	R. Cairo	17670, 15445 alt
1230-1258	As	Vietnam	V. of Vietnam	9840, 12020
1230-1300	EU	Bulgaria	R. Bulgaria	11700, 15700
1230-1300	As, Oc	Thailand	R. Thailand	9810
1230-1530	As	Sri Lanka	Sri Lanka B. C.	6005, 11930, 15745
1230-1700	As	Australia	HCJB	15390
1235-1250	NA,EU,Oc	Greece	V. of Greece	11730, 12110, 15630, 15650
1300-1356	EU	Romania	R. Romania Int'l	15105, 15170, 17720, 17745
1300-1359	EU	Poland	R. Polonia	9525, 11820
1300-1400	NA, EU	North Korea	V. of Korea	4405, 7505, 9325, 9335, 11335, 11710
1300-1400	NA,As,Oc	China	China R. Int'l	9570cu, 9755cu, 11760, 11900, 11980, 13675ca, 15180
1300-1400	As, Oc	U. S. A.	V. of America	6110, 9645, 9760, 11705, 15425
1300-1400	NA,LA,As	U. S. A.	WYFR	11560ti, 11740, 11830, 11970
1300-1400	As	Alaska	KNLS	9780
1300-1400	NA	U. S. A.	WWCR	5935, 7560, 12160, 15825
1300-1400	Af	United Kingdom	BBC	6190, 11940. 15420, 17830, 21470
1300-1400	As	South Korea	R. Korea Int'l	9570, 13670
1300-1400	As, Oc	Australia	R. Australia	5995, 6020, 6035, 9580, 9590
1300-1500	As	U. S. A.	KVOH	9975
1300-1500	NA	U. S. A.	WBCQ	17495
1300-1559	Am, M-F	Canada	CBC	9515, 13655, 17820
1300-1600	Am	U. S. A.	WHRI	9840, 15105
1300-1600	NA	U. S. A.	WEWN	9955
1300-1600	NA	U. S. A.	WHRA	17560
1300-1700	As	Hawaii	KWHR	9930
1300-1750	Oc	New Zealand	RNZI	6095
1300-2300	Am	U. S. A.	WINB	9930
1300-2300	NA	U. S. A.	WWRB	9320, 12170
1300-2400	Am	U. S. A.	WRMI	15725
1330-1358	As	Vietnam	V. of Vietnam	7100, 9730
1330-1400	EU, Af	United Arab Em	Emirates R.	13630, 13675, 15395, 17865, 21605
1330-1400	NA,As,Oc	Sweden	R. Sweden	9430, 17505, 18960
1330-1400	As	Uzbekistan	R. Tashkent	5060, 5975, 6025, 9715
1330-1400	As	Guam	AWR	11755, 15660
1330-1400	Oc, Su-F	Serbia Monteneg	Int R Serb-Mont	11835
1330-1400	As	United Arab Em	AWR	9860, 15235
1330-1420	NA,EU,As	Turkey	V. of Turkey	15155, 15195
1330-1500	As	India	All India R.	9690, 11620, 13710
1335-1350	EU,As,S-S	Austria	R. Austria Int'l	6155, 13730, 17855
1400-1415	As	Russia	FEBA	9445
1400-1429	NA, Af	Czech Republic	R. Prague	21745
1400-1430	As, Oc	Thailand	R. Thailand	9560
1400-1430	As, Oc	Australia	R. Australia	5995, 6080, 7240, 9590, 11750
1400-1500	NA,As,Af	China	China R. Int'l	9755cu, 11675, 11765, 13675ca, 13685, 15125, 17720cu

1400-1500	NA,Af,As	Japan	R. Japan	7200, 9845, 11840sl, 17755sl
1400-1500	Af,ME,As	France	R. France Int'l	11610ch, 17515
1400-1500	As, Oc	U. S. A.	V. of America	6110, 7125, 9645, 9760, 11705, 15425
1400-1500	Eu, ME	U. S. A.	V. of America	15205
1400-1500	Am	Mexico	R. Mexico Int'l	9705, 11770
1400-1500	ME, As	United Kingdom	BBC	15565, 15575, 17640
1400-1500	Af	United Kingdom	BBC	6190, 11940, 17830, 21470, 21660
1400-1500	As	United Kingdom	BBC	6195, 7160, 9740, 15310, 17790
1400-1500	As	Taiwan	Taiwan R. Int'l	15265
1400-1500	As	Oman	R. Oman	15140
1400-1500	Eu	Germany	Pan American B/C	13605
1400-1500	NA,LA,As	U. S. A.	WYFR	11560ta, 11740, 11830, 17760
1400-1600	As	Netherlands	R. Netherlands	12070ru, 12080ma, 15595ma
1400-1600	Oc, As	Australia	Voice Int'l	11750, 13635
1400-1659	Am, Sa-Su	Canada	CBC	9515, 13655, 17820
1400-1700	LA	United Kingdom	BBC	15190
1400-1700	NA	U. S. A.	KJES	11715
1400-1800	NA	Jordan	R. Jordan	11690
1400-2100	NA	U. S. A.	WWCR	9475, 12160, 13845, 15825
1400-2400	NA	U. S. A.	KAIJ	13815
1405-1420	Eu,As,S-S	Austria	R. Austria Int'l	6155, 13730, 17855
1415-1430	As	Nepal	R. Nepal	3230, 5005, 6100, 7165
1430-1500	NA,As,Af	Sweden	R. Sweden	17505, 18960
1430-1600	As, Oc	Australia	R. Australia	5995, 6080, 7240, 9475, 9590, 11750
1445-1500	As,M-Sa	United Kingdom	BBC	6140, 7205, 15245
1445-1545	Oc	Guam	KTWR	15330
1500-1530	Eu	Mongolia	V. of Mongolia	12015
1500-1530	Af	United Kingdom	BBC	6190, 11860, 11940, 15400, 15420, 17830, 21470, 21490, 21660
1500-1555	Af	South Africa	Channel Africa	9525, 17770
1500-1557	As	Canada	CBC	9635ch, 11935ch
1500-1600	NA, Eu	North Korea	V. of Korea	4405, 7505, 9325, 9335, 11335, 11710
1500-1600	As, Oc	U. S. A.	V. of America	7125, 9645, 15395
1500-1600	NA, As	U. S. A.	WYFR	6280ta, 11830, 17760
1500-1600	NA,As,Af	China	China R. Int'l	7160, 7190, 9570, 9755cu, 9785, 13685, 15125, 17720cu
1500-1600	As	United Kingdom	BBC	5975, 6195, 7160, 9740, 15310, 17790
1500-1600	NA, As	Japan	R. Japan	7200, 9505, 9750, 9845
1500-1600	As	Russia	V. of Russia	6205, 7260, 7315, 7350, 11500
1500-1600	Af	U. S. A.	V. of America	6110, 9760, 9795, 9825, 15460
1500-1600	Eu	Germany	Pan American B/C	12015
1500-1600	As	Russia	FEBA	7340
1500-1700	NA	U. S. A.	WBCQ	7415, 17495
1500-1700	Eu, ME	U. S. A.	V. of America	9575, 15205
1500-1700	Eu	United Kingdom	BBC	9410, 12095, 15485
1500-1700	ME, As	United Kingdom	BBC	15565
1500-2400	As	U. S. A.	KVOH	17775
1500-2400	Af	Zambia	Christian Vision	17775
1530-1545	As	United Kingdom	BBC	11685, 15540
1530-1550	As,Oc,Sa	Vatican City	Vatican R.	9865, 13765, 15235
1530-1600	As	United Arab Em	AWR	15225
1530-1630	As	Iran	VOIRI	7115 alt, 7190, 9610, 11775 alt, 11835
1530-1630	Af	United Kingdom	BBC	6190, 11940, 15400, 17830, 21470, 21660
1600-1615	Af, ME	Pakistan	R. Pakistan	9320, 11570, 15725, 17820
1600-1628	Eu, As	Vietnam	V. of Vietnam	7100, 9730
1600-1628	Eu, Su	Hungary	R. Budapest	6025, 9585
1600-1630	As	Guam	AWR	15495
1600-1635	Eu, Af	United Arab Em	Emirates R.	13630, 13675, 15395, 17865, 21605
1600-1659	As	Germany	Deutsche Welle	6170sl, 7225sl, 11695
1600-1700	Af	U. S. A.	V. of America	6035, 13710, 15225, 15240, 17715, 17895
1600-1700	Af	France	R. France Int'l	9730za, 15160za, 15255, 15605, 17850
1600-1700	As, Oc	U. S. A.	V. of America	6110, 7125, 9645, 9760, 15395
1600-1700	NA, Eu, As	U. S. A.	WYFR	6280ta, 11830, 11865, 17760, 17790, 18980, 21455
1600-1700	Af	U. S. A.	V. of America	13600, 15445, 17640
1600-1700	Af	U. S. A.	WSHB	17665
1600-1700	Eu	U. S. A.	WMLK	9465
1600-1700	As	United Kingdom	BBC	3915, 5975, 6195, 7160, 9510, 15310, 17790
1600-1700	As, ME	Russia	V. of Russia	4940, 4965, 4975, 6005, 7260, 9830
1600-1700	ME,As,Af	South Korea	R. Korea Int'l	5975, 7255, 9870
1600-1700	ME, Af	North Korea	V. of Korea	3560, 9975, 11735
1600-1700	As	Taiwan	Taiwan R. Int'l	11550
1600-1700	As, Oc	Australia	R. Australia	5995, 6080, 7240, 9475
1600-1800	NA, Af	U. S. A.	WEWN	13615, 17635
1600-1800	Am	U. S. A.	WHRI	13760, 15105
1600-1800	Af	China	China R. Int'l	7190, 9570, 13685, 15125
1600-1800	Oc, As	Australia	Voice Int'l	13635
1600-2000	NA	Costa Rica	Univ. Network	11870, 13750
1600-2300	Am	U. S. A.	WRNO	7395, 15420 inactive
1600-2300	NA	U. S. A.	WHRA	17650
1600-2400	NA	U. S. A.	KTBN	15590
1615-1630	Af,Sa-Su	United Kingdom	BBC	11860, 15420, 21490
1630-1700	Af	United Kingdom	BBC	6190, 11940, 15400, 15420, 17830, 21470, 21660
1630-1700	As	Georgia	Georgia R.	6180
1630-1700	As	Guam	AWR	11980, 15495
1630-1700	Af,Sa-Su	United Kingdom	BBC	11860, 21490
1630-1830	Af	Egypt	R. Cairo	9855
1635-1650	NA, Sa-Su	Austria	R. Austria Int'l	17865ca
1640-1655	NA, M-F	Austria	R. Austria Int'l	17865ca
1700-1726	Eu	Romania	R. Romania Int'l	9570, 11940
1700-1727	Eu, Af	Czech Republic	R. Prague	5930, 17485
1700-1728	Eu	Vietnam	V. of Vietnam	9725
1700-1730	Af	U. S. A.	V. of America	13710, 15240, 15445, 17895
1700-1730	Af	France	R. France Int'l	15605
1700-1730	Af	United Kingdom	BBC	3255, 6190, 15400, 15420, 17830, 21470
1700-1730	As	United Kingdom	BBC	3915, 5975, 7160, 9510, 15310
1700-1730	As	Guam	AWR	11560
1700-1745	Af	United Kingdom	BBC	6005, 9630
1700-1800	Af	U. S. A.	WSHB	17505
1700-1800	As, Oc	Australia	R. Australia	5995, 6080, 7240, 9475, 9710, 11880
1700-1800	Eu, Af	U. S. A.	WYFR	18980, 21455
1700-1800	Eu, ME	U. S. A.	V. of America	6040, 9760, 15205
1700-1800	NA,Af, Eu	Japan	R. Japan	9535, 11970, 15355ga

1700-1800	As, Oc	U. S. A.	V. of America	6110, 7125, 9645, 15395
1700-1800	ME, As	United Kingdom	BBC	12095, 15565
1700-1800	As	Taiwan	Taiwan R. Int'l	11550
1700-1800	As, Af	Russia	V. of Russia	5910, 5945, 9830
1700-1800	NA, Eu, Sa	Greece	V. of Greece	9420, 15630, 17705de
1700-1800	As, Oc, M-F	U. S. A.	V. of America	5990, 6045, 9525, 9795, 11955, 12005, 15255
1700-1900	NA	U. S. A.	WBCQ	17495
1700-1900	Af	Germany	R. Africa Int'l	11735, 13820
1700-2100	Eu	U. S. A.	WMLK	9465, 15265
1700-2200	Eu	United Kingdom	BBC	6195, 9410
1705-1720	NA, Sa-Su	Austria	R. Austria Int'l	17865ca
1710-1725	NA, M-F	Austria	R. Austria Int'l	17865ca
1715-1730	Eu, As, Oc	Vatican City	Vatican R.	4005, 5890, 7250, 9645, 15595
1730-1745	NA, Eu	Israel	Israel B/C Auth.	11605, 17545
1730-1745	Af, ME	United Nations	UN Radio	7170za, 15495uk, 17810as
1730-1745	Af	United Kingdom	BBC	3390, 7230, 9685
1730-1756	Eu	Romania	R. Romania Int'l	9570, 11940
1730-1800	Af, ME	Switzerland	Swiss R. Int'l	9755ge, 11810ge, 15555
1730-1800	Eu	Slovakia	R. Slovakia Int'l	5915, 6055, 7345
1730-1800	Af	Vatican City	Vatican R.	13765, 15570, 17515
1730-1800	As	Guam	AWR	9385
1730-1800	Af	U. S. A.	V. of America	13600 M-F, 13710, 15240, 15445, 17895 M-F
1730-1800	Eu, M-Sa	Malta	V.ofMediterranean	6185it
1730-1800	As	United Kingdom	BBC	3915, 5875, 5975, 7105, 7160, 9510, 9530, 15310
1730-1800	Af, M-F	U. S. A.	V. of America	13600, 17895
1730-1830	Af	United Kingdom	BBC	3255, 6190, 15400, 15420, 17830, 21470
1730-1900	Af	Swaziland	TWR	3200, 9500
1730-1930	As, Oc	Philippines	Philippines B. S.	11720, 15190, 17720
1745-1900	Eu	Bangladesh	R. Bangladesh	7185, 9550, 15520
1745-1945	Eu, Af	India	All India R.	7410, 9445, 9950, 11620, 11935, 13605, 15075, 15155, 17670
1751-1850	Oc	New Zealand	RNZI	11980
1800-1827	Eu, As, Oc	Czech Republic	R. Prague	5930, 9415
1800-1828	Eu	Vietnam	V. of Vietnam	7100, 9725, 9730
1800-1830	ME	Ireland	RTE	9850uk
1800-1830	As	United Kingdom	BBC	5975, 9510
1800-1830	Af	South Africa	AWR	5960, 7265, 11985
1800-1855	Af	South Africa	Channel Africa	15265
1800-1859	Eu	Poland	R. Polonia	5995, 7150
1800-1900	Af	Netherlands	R. Netherlands	6020ma, 9895, 11655ma
1800-1900	Af	U. S. A.	V. of America	6035, 11975, 13710, 15240, 15580, 17895
1800-1900	As, Oc	Australia	R. Australia	6080, 7240, 9475, 9580, 9710, 11880
1800-1900	Eu	U. S. A.	WYFR	18980
1800-1900	Eu, ME	U. S. A.	V. of America	6040, 9760, 9885
1800-1900	Eu, M-F	Argentina	RAE	9690, 15345
1800-1900	ME, As	United Kingdom	BBC	12095, 15310
1800-1900	Eu, As, Af	Russia	V. of Russia	5910, 9590 Sa-Su. 6175 Sa-Su, 7290, 9830, 11510
1800-1900	Eu	Taiwan	Taiwan R. Int'l	3955uk
1800-2000	NA, Af	U. S. A.	WEWN	13615, 15440
1800-2000	Eu, Af	U. S. A.	WSHB	15665, 17505
1800-2000	Am	U. S. A.	WHRI	9495, 13760
1800-2000	Oc	Australia	HCJB	11765
1800-2100	NA	Kuwait	R. Kuwait	11990
1800-2100	Oc, As	Australia	Voice Int'l	11685
1800-2200	Af	Liberia	R. Liberia	5100
1800-2245	NA	U. S. A.	KIMF	11865
1830-1845	Eu, M, W	United Kingdom	BBC	6050, 7105, 9685
1830-1855	Eu, ME	Belgium	R. Vlaanderen i	5910ge, 7330ru
1830-1900	Eu, M-Sa	Sweden	R. Sweden	6065
1830-1900	NA, Af	Ireland	RTE	13640ca, 21630as
1830-1900	Af	United Kingdom	BBC	3255, 6005, 6190, 9630, 15400, 15420, 17830, 21470
1830-1900	Af	South Africa	AWR	11985
1830-1900	Eu	Georgia	Georgia R.	11910
1830-1900	Eu	Bulgaria	R. Bulgaria	5800, 7500
1851-2239	Oc, Eu	New Zealand	RNZI	15265
1900-1928	Eu	Vietnam	V. of Vietnam	7100, 9730
1900-1945	ME	Iraq	R. Baghdad	6175?, 11787 varies
1900-1959	Af	Germany	Deutsche Welle	6180rw, 11865, 13590, 13780sl
1900-2000	Af	U. S. A.	V. of America	4950, 6035, 7415, 11975, 13710, 15240, 15580, 17895
1900-2000	Eu	North Korea	V. of Korea	4405, 7505, 9325, 11335, 11710
1900-2000	As, Oc	U. S. A.	V. of America	9525, 11870, 15180
1900-2000	Eu, ME	U. S. A.	V. of America	9690, 9760
1900-2000	As, Oc	Australia	R. Australia	6080, 7240, 9500, 9580, 9710, 11880
1900-2000	Sa	Sri Lanka	Sri Lanka B. C.	6010uk
1900-2000	Eu	Thailand	R. Thailand	9535
1900-2000	Af	China	China R. Int'l	9440, 9585
1900-2000	Eu, Af	Russia	V. of Russia	6175, 6235, 7290, 7335, 7360, 11510
1900-2000	Eu, As	South Korea	R. Korea Int'l	5975, 7275
1900-2000	Eu, Af	U. S. A.	WYFR	15115, 15565, 18980
1900-2000	ME	U. S. A.	V. of America	9785, 12015, 13640
1900-2000	ME, As	United Kingdom	BBC	15310
1900-2030	Eu	Italy	IRRS Relay Serv.	5775
1900-2045	Af	Swaziland	TWR	3200
1900-2100	Af	Netherlands	R. Netherlands	7120ma, 9895, 11655ma, 17810bo
1900-2100	NA	U. S. A.	KJES	15385
1900-2100	NA	U. S. A.	WBCQ	9335, 17495
1900-2100	Af	United Kingdom	BBC	3255, 6005, 6190, 9630, 12095, 15400, 17830
1900-2100	NA, Sa-Su	Netherlands	R. Netherlands	15315bo, 17725bo, 17875ca
1900-2230	Af	Papua N Guinea	NBC Port Moresby	4890
1915-1930	As	United Kingdom	BBC	15105, 17885
1930-2000	Af, ME	Switzerland	Swiss R. Int'l	9820ge, 11920, 13660ge, 17660fg
1930-2000	Eu	Slovakia	R. Slovakia Int'l	5915, 6055, 7345
1930-2000	Eu	Serbia Montenegro	Int R Serb-Mont	6100
1930-2000	NA, Eu	Greece	V. of Greece	12105, 17705de
1930-2000	Eu	Georgia	Georgia R.	11760
1930-2000	Eu, Tu, Th	Belarus	R. Minsk	7105, 7210
1930-2020	Eu	Turkey	V. of Turkey	5980
1930-2030	Eu, Af	Iran	VOIRI	6100, 7215 alt, 7320, 11695, 15140
1935-1955	Eu	Italy	RAI	5965, 9755
1945-2000	Eu	Albania	R. Tirana	7210, 9510
2000-2025	NA, Eu	Israel	Israel B/C Auth.	11605, 13720

2000-2028	Eu	Hungary	R. Budapest	3975, 6025
2000-2030	Af	U. S. A.	V. of America	4950, 6035, 7415, 11855, 11975, 13710, 15240, 15580, 17885, 17895
2000-2030	Eu	Mongolia	V. of Mongolia	12015
2000-2030	Af	Vatican City	Vatican R.	7365, 9660, 11625
2000-2030	Af	Switzerland	Swiss R. Int'l	17660fg
2000-2059	Eu,Af,M-F	Spain	R. Ext. Espana	9595, 9680
2000-2059	Af	Germany	Deutsche Welle	13590, 13780sl, 15205, 15410sl
2000-2100	Eu, ME	U. S. A.	V. of America	6095, 9690, 9760
2000-2100	As, Oc	Australia	R. Australia	6080, 9500, 9580, 11650, 11880, 12080
2000-2100	Eu, Af	China	China R. Int'l	5965, 9440, 9840, 11640, 13630
2000-2100	Af	South Africa	AWR	15295
2000-2100	Eu	Indonesia	V. of Indonesia	9525, 11785 alt, 15150 alt
2000-2100	Eu	Russia	V. of Russia	6145, 6235, 7290, 7360
2000-2100	Eu, Sa-Th	Malta	V.ofMediterranean	7440ru
2000-2200	LA, Eu, Af	U. S. A.	WYFR	5810, 7580, 15565, 17575
2000-2200	NA, Af	U. S. A.	WEWN	13615, 17595
2000-2200	Eu, Af	U. S. A.	WSHB	11650, 15665
2000-2300	Af	Nigeria	V. of Nigeria	7255, 17800
2000-2400	Am	U. S. A.	WHRI	5745, 9495
2000-2400	NA	Costa Rica	Univ. Network	13750
2005-2030	As, Su	United Kingdom	BBC	5875, 5990, 7325, 9635, 9825
2005-2205	Eu	Syria	R. Damascus	12085, 13610
2025-2045	Af	Italy	RAI	5985, 9515, 11880
2030-2045	Eu	Thailand	R. Thailand	9535
2030-2055	Eu	Belgium	R. Vlaanderen i	7330ru
2030-2056	Eu	Romania	R. Romania Int'l	6110, 7105
2030-2058	Eu	Vietnam	V. of Vietnam	7100, 9730
2030-2100	Eu, As, Oc	Sweden	R. Sweden	6065, 9400, 9415 alt
2030-2100	Eu	Uzbekistan	R. Tashkent	5025, 7185, 11905
2030-2100	Af	U. S. A.	V. of America	4950 Sa-Su, 6035, 7415, 11975, 13710, 15240, 15580, 17885, 17895
2030-2100	Eu, Tu, Th	Belarus	R. Minsk	7105, 7210
2030-2130	NA, Eu	Cuba	R. Havana Cuba	11760, 13660
2030-2200	Af	Egypt	R. Cairo	15375
2040-2100	As, M-Sa	Armenia	V. of Armenia	4810, 9960
2045-2230	Eu, Oc	India	All India R.	7410, 9445, 9575, 9910, 9950, 11620, 11715
2050-2110	Eu	Vatican City	Vatican R.	4005, 5890, 7250
2100-2127	Eu, As, Oc	Czech Republic	R. Prague	5930, 9430
2100-2130	As, Oc	Australia	R. Australia	9500, 9660, 11650, 11880, 12080, 13630, 21740
2100-2130	Eu, Af	China	China R. Int'l	5965, 9840, 11640, 13630
2100-2159	Af	Germany	Deutsche Welle	9615, 13780sl, 15410rw
2100-2159	Eu, Af, ME	Canada	R. Canada Int'l	5850sw, 7235uk, 7425ru, 9770, 9805ae, 11835, 13650
2100-2200	Af	U. S. A.	V. of America	6035, 7415, 11975, 13710, 15240, 15580, 17895
2100-2200	NA, Af, Eu	Japan	R. Japan	6090uk, 6180uk, 11855as, 11920si, 17825, 21670
2100-2200	As, Oc	U. S. A.	V. of America	9670, 15185, 17735, 17820
2100-2200	Eu, ME	U. S. A.	V. of America	6040, 6095, 9595, 9760
2100-2200	Eu	North Korea	V. of Korea	4405, 7505, 9325, 11335
2100-2200	NA	U. S. A.	WWCR	7465, 9475, 12160, 13845
2100-2200	Af	United Kingdom	BBC	3255, 6005, 6190, 9605, 15400
2100-2200	As	United Kingdom	BBC	3915, 5965, 6110, 6195
2100-2200	Eu	South Korea	R. Korea Int'l	15575
2100-2200	Af	Austria	AWR	9660
2100-2200	Eu	U. S. A.	WMLK	15265
2100-2200	Eu	Russia	V. of Russia	6235, 7290, 7360
2100-2200	Oc, As	Australia	Voice Int'l	9795
2100-2300	NA	U. S. A.	WBCQ	7415, 9335, 17495
2100-2400	LA	United Kingdom	BBC	5975, 12095
2115-2130	Eu	United Kingdom	BBC	11675, 15390
2115-2245	LA	Egypt	R. Cairo	9900
2130-2145	LA, Tu, F	United Kingdom	BBC	11680
2130-2200	Eu, F	Wales	Wales R. Int'l	7110uk
2130-2200	As, Oc	Australia	R. Australia	9660, 11650, 11880, 12080, 13630, 21740
2130-2200	Eu	Uzbekistan	R. Tashkent	5025, 7185, 11905
2130-2200	Eu	China	China R. Int'l	5965, 9840
2130-2200	As	Guam	AWR	11980, 12010
2130-2220	As, Oc	Turkey	V. of Turkey	9525
2130-2230	As, Oc	Iran	VOIRI	9780, 11740
2200-2225	NA	Belgium	R. Vlaanderen i	11730bo
2200-2228	Eu, Af	Hungary	R. Budapest	6025, 11965
2200-2229	Eu, Af, ME	Canada	R. Canada Int'l	5850sw, 6045uk, 9770, 12005
2200-2230	Af, M-F	U. S. A.	V. of America	6035, 7415, 11655, 11975, 13710
2200-2230	Eu	South Korea	R. Korea Int'l	3955uk
2200-2230	Eu	Serbia Montenegro	Int R Serb-Mont	6100
2200-2256	Eu	Romania	R. Romania Int'l	5975, 7250, 9550, 11830
2200-2259	As	Germany	Deutsche Welle	6180sl, 6225ka, 9800ca
2200-2259	Eu, Af, S-S	Spain	R. Ext. Espana	9595, 9680
2200-2300	Eu	Bulgaria	R. Bulgaria	5800, 7500
2200-2300	Eu	Taiwan	Taiwan R. Int'l	9355wy
2200-2300	NA, Eu, Af	U. S. A.	WYFR	7580, 11740, 21525
2200-2300	Eu	Ukraine	R. Ukraine Int'l	5840
2200-2300	As, Oc	Australia	R. Australia	11880, 13620, 13630, 15230, 21740
2200-2300	Am	Mexico	R. Mexico Int'l	9705, 11770
2200-2300	Eu	United Kingdom	BBC	6195
2200-2300	Af	United Kingdom	BBC	9605, 15400
2200-2300	As	United Kingdom	BBC	5965, 6195, 7105, 9740, 11955
2200-2300	Eu	China	China R. Int'l	7175
2200-2300	Oc, As	Australia	Voice Int'l	9795, 13620
2200-2300	NA	U. S. A.	WWCR	5070, 7465, 9475, 13845
2200-2330	NA	Cuba	R. Havana Cuba	9550
2200-2400	NA, Af	U. S. A.	WEWN	9975, 17595
2200-2400	As, Oc	U. S. A.	V. of America	7215, 9770, 9890, 11760, 15185, 15290, 15305, 17735, 17820
2200-2400	LA, Eu, Af	U. S. A.	WSHB	7510, 15285
2200-2400	As	Hawaii	KWHR	17510
2200-2400	LA	Guyana	V. of Guyana	3290
2205-2230	As	Italy	RAI	11895
2230-2257	NA, Af	Czech Republic	R. Prague	7345, 9435
2230-2300	Eu	Sweden	R. Sweden	6065
2230-2300	Eu	Albania	R. Tirana	7130, 9540
2230-2400	As	Papua N Guinea	NBC Port Moresby	9675
2240-2400	Oc, NA	New Zealand	RNZI	17675
2245-2400	As	India	All India R.	9705, 9950, 11620, 11645, 13605

2245-2400	NA	U. S. A.	KIMF	5835
2300-2329	Am	Canada	CBC	5960, 9590
2300-2330	As	U. S. A.	V. of America	6180, 7205, 9780, 11735, 15110
2300-2330	As	United Kingdom	BBC	3915, 6195, 9740, 11945, 11955
2300-2330	As, Oc	Australia	R. Australia	9660, 11695, 12080, 13620, 13630, 15230, 17795, 21740
2300-2350	NA, Eu	Turkey	V. of Turkey	6015, 9655
2300-2356	NA, Eu, Oc	Romania	R. Romania Int'l	11840, 11940, 15145, 15370
2300-2359	As	Germany	Deutsche Welle	7250sl, 9815sl, 12035rw
2300-2400	NA	U. S. A.	WWRB	5050, 5085, 6890
2300-2400	NA	Egypt	R. Cairo	11725
2300-2400	NA, Eu	China	China R. Int'l	5990cu, 6040cu, 13680ca
2300-2400	NA, LA	U. S. A.	WYFR	5985, 11740, 11855, 15170, 15400
2300-2400	Am	U. S. A.	WRNO	7355 inactive
2300-2400	NA	U. S. A.	WHRA	7580
2300-2400	Am	U. S. A.	WINB	9320
2300-2400	NA	U. S. A.	WBCQ	7415, 9335
2300-2400	SA	Croatia	Croatian R.	7285ge
2300-2400	NA	U. S. A.	WWCR	5070, 7465, 9475, 13845
2300-2400	Oc, As	Australia	Voice Int'l	13620
2329-2400	NA	Canada	CBC	5960, 9590
2330-2357	NA	Czech Republic	R. Prague	5915, 7345
2330-2358	Eu	Vietnam	V. of Vietnam	9840, 12020
2330-2400	NA	Lithuania	R. Vilnius	9875
2330-2400	As	U. S. A.	V. of America	6180, 7130, 7205, 9620, 9780, 11735, 11805, 13640, 15110, 15205
2330-2400	LA	Switzerland	Swiss R. Int'l	9885, 11660fg
2330-2400	As, Oc	Australia	R. Australia	9660, 11695, 12080, 13620, 13630, 15230, 17750, 17795, 21740
2330-2400	As	United Kingdom	BBC	3915, 6035, 6195, 9740, 11945, 11955
24 hours	NA	Costa Rica	RFPI	7445, 15040
24 hours	NA	Canada	CFRX	6070
24 hours	Am	U. S. A.	WJIE	7490, 13595
24 hours	NA	U. S. A.	WTJC	9370
24 hours	NA	U. S. A.	AFRTS	4319 USB, 5446.5 USB, 7507 USB, 12133.5 USB, 12579 USB
24 hours	NA	Canada	CHNX	6130
24 hours	NA	Canada	CFVP	6030
24 hours	NA	Canada	CKZN	6160
24 hours	NA	Canada	CKZU	6160
24 hours	Oc	Guam	AFRTS	5765 USB, 13362 USB
24 hours	Oc	Hawaii	AFRTS	6350 USB, 10320 USB
24 hours	Oc, As	Malaysia	V. of Malaysia	7295
24 hours	NA, Eu	Iceland	AFRTS	13855 USB

(PRIME TIME SHORTWAVE <<http://www.triwest.net/~dsampson/shortwave>> via JKB)

Raimo Mäkelä's List of *Tropical Band Stations*. In each line you will find: frequency (kHz), station, location and country.

120 meter band

2310.0 ABC Northern Territory Service, Alice Springs, Australia
 2325.0 ABC Northern Territory Service, Tennant Creek, Australia
 2340.0 Fujian People's Broadcasting Station, Fuzhou, China
 2380.0 Radio Educadora, Limeira, Brazil
 2390.0 XEJN Radio Huayacocotla, Mexico
 2390.0 WWCR, United States of America
 2410.0 Radio Enga, Papua New Guinea (off air?)
 2415.0 Wenzhou People's Broadcasting Station, Wenzhou, China
 2460.0 Radio Alvorada, Rio Branco, Brazil
 2470.0 Radio Cacique, Sorocaba, Brazil
 2485.0 ABC Northern Territory Service, Katherine, Australia
 2490.2 Radio Oito de Setembro, Brazil (v)
 2500.0 VNG Time Signal Station, Australia
 2500.0 BPM Time Signal Station, China
 2500.0 WWVH Time Signal Station, Hawaii
 2500.0 WWV Time Signal Station, United States of America
 2500.0 ULW Time Signal Station, Uzbekistan

90 meter band

3200.0 Trans World Radio, Swaziland
 3205.0 Radio Ribeirao Preto, Brazil
 3205.0 Radio West Sepik, Radio Sandaun, Papua New Guinea
 3210.0 Radio Exterior Espana, Costa Rica
 3210.0 WWCR, United States of America
 3214.9 RRI Manado, Indonesia (v)
 3215.0 Adventist World Radio, Madagascar
 3215.0 South Africa Amateur Radio League, South Africa
 3215.0 WWCR, United States of America
 3220.0 HCJB, Ecuador
 3220.0 Hamgyong Broadcasting Station, Hamhung, North-Korea
 3220.0 Radio Morobe, Papua New Guinea
 3223.0 All India Radio, Shimla, India
 3230.0 Radio Nepal, Nepal (v)
 3230.0 World Beacon, South-Africa
 3230.2 Radio El Sol de Los Andes, Juliaca, Peru (v)
 3234.8 Radio Luz y Sonido, Huánoco, Peru (v)
 3235.0 Radio West New Britain, Papua New Guinea

3240.0 Trans World Radio, Swaziland
 3245.0 Radio Clube, Varginha, Brazil
 3245.0 All India Radio, Lucknow, India
 3245.0 Radio Gulf, Papua New Guinea (off air?)
 3249.8 Radio Luz y Vida, Honduras (v)
 3250.0 Pyongyang Broadcasting Station, North-Korea
 3255.0 BBC, Meyerton, South Africa
 3260.0 La Voix du Sahel, Niger
 3260.0 Radio Madang, Papua New Guinea
 3264.7 RRI Gorontalo, Indonesia (v)
 3270.0 Namibian Broadcasting Corporation, Namibia
 3270.0 WWFV, McCaysville, United States of America
 3275.0 Radio Southern Highlands, Papua New Guinea
 3280.0 Voice of Pujiang, Shanghai, China
 3280.0 La Voz del Napo, Tena, Ecuador (v)
 3280.0 Radio Veritas, Meyerton, South-Africa
 3287.5 Radio Madagascar, Madagascar (v)
 3289.8 Radio Centro, Ambato, Ecuador (v)
 3290.0 Central People's Broadcasting Station, China
 3290.0 Namibian Broadcasting Corporation, Namibia
 3290.9 Radio Central, Papua New Guinea
 3291.0 Voice of Guyana, Georgetown, Guyana
 3300.0 Radio Cultural, Guatemala, Guatemala
 3305.0 Radio Western, Papua New Guinea - off air?
 3306.0 Zimbabwe Broadcasting Corporation, Zimbabwe
 3310.0 Radio Mosoj Chaski, Cochabamba, Bolivia
 3315.0 All India Radio, Bhopal, India
 3315.0 Radio Manus, Papua New Guinea
 3316.0 Sierra Leone Broadcasting Service, Sierra Leone
 3320.0 Pyongyang Broadcasting Station, North-Korea
 3320.0 Radio Sondergrense, South-Africa
 3324.8 Radio Maya, Barillas, Guatemala (v)
 3325.0 Radio Mundial, Sao Paulo, Brazil
 3325.0 RRI Palangkaraya, Indonesia
 3325.0 Radio North Salomons, Bougainville, Papua New Guinea
 3326.0 Federal Radio Corporation of Nigeria, Lagos, Nigeria
 3329.5 Radio Ondas del Huallaga, Huanuco, Peru (v)

- 3330.0 CHU Time Signal Station, Canada
 3335.0 Radio East Sepik, Papua New Guinea
 3335.0 Broadcasting Corporation of China, Taipei, Taiwan
 3343.0 Radio Ayopaya, Bolivia (v)
 3344.8 RRI Temate, Indonesia (v)
 3345.0 All India Radio, Jaipur, India
 3345.0 Channel Africa, Meyerton, South-Africa
 3350.0 South Pyongyang Broadcasting Station, North-Korea
 3355.0 Radio Nacional de Angola, Angola
 3355.0 Radio Difusora 6 de Agosto, Brazil
 3355.0 Radio Simbu, Papua New Guinea
 3355.4 RRI Jambi, Indonesia (v)
 3360.0 La Voz del Upano, Macas, Ecuador
 3360.0 La Voz de Nahualá, Guatemala (v)
 3365.0 Radio Cultura, Araraquara, Brazil
 3365.0 All India Radio, Delhi, India
 3365.0 Radio Milne Bay, Papua New Guinea
 3366.0 Ghana Broadcasting Corporation, Ghana
 3370.0 Radio Tezulutlan, Guatemala (v)
 3375.0 Radio Nacional de Angola, Angola (v)
 3375.0 Radio Clube, Dourados, Brazil (v)
 3375.0 Radio Educadora, Guaraja Mirim, Brazil
 3375.0 Radio Nacional, Cachoeira, Brazil
 3375.0 Radio Western Highlands, Papua New Guinea (off air?)
 3375.1 Radio San Antonio, Atalaya, Peru (v)
 3380.0 Radio Chortis, Guatemala
 3380.0 Radio Malawi, Malawi
 3384.9 Radio East New Britain, Papua New Guinea
 3385.0 Radio Educacao Rural, Tefé, Brazil
 3385.0 RRI Kupang, Indonesia (v)
 3385.0 RTM Miri, Sarawak, Malaysia
 3390.0 All India Radio, Gangtok, India
 3390.0 BBC Meyerton, South-Africa
 3391.0 Radio Emisora Camargo, Bolivia
 3395.0 RRI Bandar Lampung, Indonesia
 3395.0 Radio Eastern Highlands, Papua New Guinea
 3396.0 Zimbabwe Broadcasting Corporation, Zimbabwe
 3396.4 Radio Internacional del Peru, San Pablo, Peru (v)
 3492.0 Radio Padilla, Padilla, Bolivia (v)
- 75 meter band
 3900.0 Hulun Ber People's Broadcasting Station, China
 3900.0 Radio Freedom of Communist Party in Iraqi Kurdistan (v)
 3900.0 Voice of the People of Iraq, Unknown (v)
 3900.0 Voice of the Strait, Fuzhou, China
 3903.0 AFRTS, Keflavik, Iceland
 3904.9 Radio New Ireland, Papua New Guinea (v)
 3904.9 RRI Merauke, Indonesia (v)
 3915.0 BBC World Service, Singapore
 3920.0 North Pyongyang Broadcasting Station, North-Korea
 3922.0 Radio Samorodinka, Russia
 3925.0 Radio Tampa, Japan
 3930.0 Korean Broadcasting System, Korea
 3935.0 Radio Reading Svc (ZLXA), Levin, New Zealand
 3940.0 Hubei People's Broadcasting Station, China
 3945.0 All India Radio, Gorakhpur
 3940.0 North Hamgyong Broadcasting Station, North-Korea
 3945.0 Radio Tampa, Japan
 3945.0 Radio Vanuatu, Vanuatu
 3950.0 Xinjiang People's Broadcasting Station, China
 3955.0 Radio Korea via United Kingdom
 3955.0 Radio Taipei via United Kingdom
 3960.0 Chacong Provincial Broadcasting Station, North-Korea
 3960.4 RRI Palu, Indonesia (v)
 3965.0 Radio France International, France
 3970.0 NHK, Japan
 3970.0 Kangwong Broadcasting Station, North-Korea (v)
 3970.0 Federal Radio Corporation of Nigeria, Enugu, Nigeria
 3970.0 Radio Korea via United Kingdom
 3975.0 Voice of Islamic republic of Iran, Iran
- 3975.0 Radio Budapest, Hungary
 3976.0 RRI Pontianak, Indonesia (v)
 3981.0 North Hamgyong Broadcasting Station, North-Korea (v)
 3985.0 China National Radio, China
 3985.0 IRRS, Italy
 3985.4 RRI Surabaya, Indonesia (v)
 3987.4 RRI Manokwari, Indonesia (v)
 3990.0 Xinjiang People's Broadcasting Station, China
 3995.0 Deutsche Welle, Germany
 4000.0 Nei Menggu People's Broadcasting Station, China
 4000.5 RRI Kendari, Indonesia (v)
 4003.0 RRI Padang, Indonesia (v)
 4005.0 Vatican Radio, Vatican City
- 60 meter band
 4750.0 Hulun Ber People's Broadcasting Station, China
 4750.0 Xizang People's Broadcasting Station, China
 4750.1 Radio San Francisco Solano, Peru (v)
 4753.0 RRI Makassar, Indonesia (v)
 4755.0 Radio Educacao Rural, Brazi
 4760.0 All India Radio, Leh, India
 4760.0 All India Radio, Port Blair, Andaman & Nicobar Islands
 4760.0 Radio ELWA, Liberia
 4760.0 Trans World Radio, Swaziland
 4761.0 Radio Guanay, Guanay, Bolivia
 4763.6 Radio Chincheros, Chincheros, Peru (v)
 4765.0 Radio Rural, Santarem, Brazil
 4765.0 Radio Integracao, Cruzeiro do Sul, Brazil
 4765.0 Radio Congo, Congo
 4766.0 RRI Medan, Indonesia
 4766.6 Radio Constelacion, Guanay, Bolivia (v)
 4770.0 Federal Radio Corporation of Nigeria, Kaduna, Nigeria
 4770.1 Radio Centinela del Sur (CDS), Loja, Ecuador (v)
 4774.9 Radio Tarma, Peru (v)
 4775.0 Radio Amarela, Rolim do Moura, Brazil
 4775.0 Radio Congonhas, Congonhas, Brazil
 4775.0 Radio Portal do Amazonia, Cuaiba, Brazil
 4775.0 Radio Liberal, Belém, Brazil (v)
 4775.0 All India Radio, Imphal, India
 4775.0 Trans World Radio, Swaziland
 4777.0 Radiodiffusion Gabonaise, Libreville, Gabon (v)
 4771.0 RRI Jakarta, Indonesia (v)
 4779.8 Radio Coátan, Guatemala
 4780.0 Emissora Provincial Kuando-Kubango, Angola
 4780.0 Emisora Onda Musical, Dominican Republic (v)
 4780.0 Radio Satellite, Santa Cruz, Peru (v)
 4781.0 Radio Oriental, Tena, Ecuador (v)
 4783.2 RTM Bamako, Mali (v)
 4785.0 Radio Brasil, Campinas, Brazil
 4785.0 Radio Caiari, Porto Velho, Brazil
 4785.0 Nei Menggu People's Broadcasting Station, China
 4785.6 Radio Super, Ibagué, Colombia (v)
 4788.0 Radio Ballivian, San Borja, Bolivia (v)
 4789.0 RRI Fak-Fak, Indonesia (v)
 4790.0 All India Radio, Chennai, India
 4790.0 Azad Kashmir Radio, Pakistan
 4790.0 Radio Pakistan, Pakistan
 4790.0 Radio Atlántida, Iquitos, Peru (v)
 4795.0 Radio Difusora, Aquidauana, Brazil
 4795.0 Buryat Radio, Ulan-Ude, Russia
 4795.2 Radio La Voz de Los Caras, Ecuador (v)
 4796.0 Radio Mallku, Bolivia (v)
 4799.8 Radio Buenas Nuevas, Guatemala (v)
 4800.0 Radio Rebelde, Cuba
 4800.0 All India Radio, Hyderabad, India
 4800.0 Lesotho National Broadcasting Service, Lesotho
 4800.7 Radio Armonia, Argentina
 4802.0 Radio Mamore, Bolivia (v)
 4805.0 Radio Difusora Amazonas, Manaus, Brazil
 4805.0 Radio Itatiaia, Belo Horizonte, Brazil

- 4810.0 Voice of Armenia, Yerevan, Armenia
 4814.6 Radio El Buen Pastor, Saraguro, Ecuador (v)
 4814.9 Radio Difusora, Londrina, Brazil
 4815.0 Radio Television Burkina, Burkina Faso
 4815.0 China Radio International, China
 4819.1 La Voz Evangélica, Tegucigalpa, Honduras (v)
 4820.0 Emissora Provincial da Huila, Angola
 4820.0 Radio Botswana, Botswana
 4820.0 Khanty-Mansiysk Radio, Russia
 4820.0 All India Radio, Calcutta, India
 4824.3 La Voz de la Selva, Iquitos, Peru (v)
 4824.9 Radio Cancao Nova, Cachoeira Paulista, Brazil
 4824.9 Radio Mam, Guatemala (v)
 4825.0 Radio Eucadora, Braganca, Brazil
 4825.0 Radio Rossii, Yakutsk, Russia
 4826.4 Radio Sicuani, Sicuani, Peru (v)
 4828.0 Zimbabwe Broadcasting Corporation, Zimbabwe
 4830.0 Radio Grigota, Bolivia (v)
 4830.0 Hua-yi Broadcasting Corporation, Fuzhou, China
 4830.0 Radio Litoral, Le Ceiba, Honduras
 4830.0 Radio Thailand, Thailand
 4830.0 Radio Táchira, San Cristobal, Venezuela
 4831.5 Radio Reloj, Costa Rica (v)
 4835.0 ABC Northern Territory Service, Alice Springs, Australia
 4835.3 Radio Tezulutlan, Guatemala (v)
 4836.0 Radio Buenaventura, Buenaventura, Colombia (v)
 4840.0 Heilongjiang People's Broadcasting Station, China
 4840.0 Radio Interoceanica, Santa Rosa de Quijos, Ecuador (v)
 4840.0 All India Radio, Mumbai, India
 4840.0 Radio Andahuaylas, Peru (v)
 4844.6 Radio K'ekchi, Guatemala (v)
 4845.0 Radio Fides, La Paz, Bolivia (v)
 4845.0 Radio Ibitinga, Brazil
 4845.0 RRI Ambon, Indonesia
 4845.0 Radio Malaysia, Kajang, Malaysia
 4845.0 ORTM, Noakchott, Mauretanie (off-air?)
 4845.2 Radio Cultura do Amazonas, Manaus, Brazil
 4850.0 CRTV Radio Yaonde, Cameroon
 4850.0 China National Radio, China
 4850.0 All India Radio, Kohima, India
 4850.0 Mongol Radio, Mongolia
 4850.0 Uzbek Radio, Uzbekistan
 4855.0 Radio Tropical, Barra do Garcas, Brazil
 4856.4 Radio La Hora, Cusco, Peru (v)
 4860.0 All India Radio, Delhi, India
 4865.0 Radio Centenario, Santa Cruz, Bolivia (v)
 4865.0 Radio Alvorada, Londrina, Brazil
 4865.0 Radio Missoes da Amazonia, Obidos, Brazil
 4865.0 Radio Verdes Florestas, Cruzeiro do Sul, Brazil (v)
 4865.0 Gansu People's Broadcasting Station, Lanzhou, China
 4865.0 La Voz de Cinaruco, Arauca, Colombia (v)
 4870.0 ORTB Cotonou, Benin (v)
 4870.0 Radio La Voz de Upano, Macas, Ecuador
 4870.0 XERTA, Mexico
 4870.0 SLBC, Sri Lanka
 4874.6 RRI Sorong, Indonesia (v)
 4875.0 Super Radio, Roraima, Brazil
 4875.0 Radio Khara, Georgia
 4875.2 Radio La Cruz del Sur, La Paz, Bolivia (v)
 4876.0 Radio Samorodinka, Russia (v)
 4879.8 Radio Nacional Espejo, Quito, Ecuador (v)
 4880.0 Radio Bangladesh, Bangladesh (v)
 4880.0 All India Radio, Lucknow, India
 4880.0 SW Radio Africa, South-Africa
 4880.0 Provincial Station Than Hoa, Vietnam
 4881.0 Radio Comas, Comas, Peru (v)
 4883.0 China Radio International, China
 4885.0 Radio Voz do Coracao Imaculado, Anápolis, Brazil
 4885.0 Radio Clube do Pará, Belém, Brazil
 4885.0 Radio Difusora Acreana, Rio Branco, Brazil
 4885.0 Radio Ondas del Meta, Villavivencio, Colombia
 4885.0 Kenya Broadcasting Corporation, Kenya
 4886.0 Radio Virgen del Carmen, Peru (v)
 4890.0 Radio France Internationale, Moyabi, Gabon
 4890.0 National Broadcasting Commission, Papua New Guinea
 4890.4 Radio Chota, Chota, Peru (v)
 4895.0 Radio IPB AM, Campo Grande, Brazil
 4895.0 La Voz del Rio Arauca, Colombia
 4895.0 Colombia Estereo, Santa Fe, Colombia
 4895.0 All India Radio, Kurseong, India
 4895.0 Radio Malaysia, Sarawak, Malaysia
 4895.0 Radio Chanchamayo, La Merced, Peru (v)
 4895.0 Tyumen Radio, Russia
 4895.0 Radio Pakistan, Pakistan (v)
 4988.0 Radio La Voz de Saquisilí, Ecuador (v)
 4900.0 Voice of the Strait, China
 4902.0 SLBC, Sri Lanka (v)
 4904.9 Radio La Oroya, La Oroya, Peru (v)
 4905.0 Radio Anhanguera, Araguaina, Brazil
 4905.0 Radio Relógio, Rio de Janeiro, Brazil
 4905.3 Radio Ecos del Orinoco, Puerto Carreno, Colombia (v)
 4907.0 National Radio of Cambodia, Phnom Penh, Cambodia
 4910.0 ABC Northern Territory Service, Tennant Creek, Australia
 4910.0 All India Radio, Jaipur, India
 4910.0 Zambia National Broadcasting Corporation, Zambia
 4910.6 La Voz de la Mosquitia, Puerto Lempira, Honduras (v)
 4914.5 Radio Cora, Lima, Peru (v)
 4915.0 Radio CBN Anhanguera, Goiania, Brazil (v)
 4915.0 Radio Difusora, Macapa, Brazil
 4915.0 Radio Armonias del Caquetá, Florencia, Colombia
 4915.0 Ghana Broadcasting Corporation, Ghana
 4919.0 Radio Quito, Ecuador (v)
 4920.0 Xizang People's Broadcasting Station, Lhasa, China
 4920.0 All India Radio, Chennai, India
 4924.9 Radio Difusora, Taubaté, Brazil
 4925.0 Honghe People's Broadcasting Station, China (v)
 4925.0 RRI Jambi, Indonesia
 4925.9 Radio San Miguel, Riberalta, Bolivia (v)
 4926.0 Radio Nacional, Bata, Equatorial Guinea
 4930.0 Radio Costena, San Pedro Sula, Honduras
 4930.0 Turkmen Radio, Turkmenistan
 4931.0 RRI Surakarta, Indonesia (v)
 4935.0 Radio Capixaba, Brazil
 4935.0 Radio Difusora, Jatai, Brazil
 4935.0 Radio Tropical, Tarapoto, Peru (v)
 4939.2 Radio Norte, Montero, Bolivia (v)
 4939.9 Radio Amazonas, Venezuela (v)
 4940.0 China Hua-yi Broadcasting Corporation, Fuzhou, China
 4940.0 All India Radio, Guwahati, India
 4940.0 Radio San Antonio, Villa Atalaya, Peru (v)
 4940.0 Radio Mix Master, Russia
 4940.0 Voice of Russia via Tajikistan
 4940.0 SLBC, Sri Lanka
 4945.0 Radio Illimani, La Paz, Bolivia
 4945.0 Radio Emissora Rural, Petrolina, Brazil (v)
 4945.0 Radio Difusora, Pocos de Caldas, Brazil
 4945.0 Radio Progreso, Porto Velho, Brazil (v)
 4949.9 Radio Baha'i, Otavalo, Ecuador (v)
 4950.0 Radio Nacional de Angola, Angola (v)
 4950.0 Voice of Pujiang, Shanghai, China
 4950.0 All India Radio Kashmir, Srinagar, India
 4950.0 VOA, Sao Tome
 4950.1 Radio Madre de Dios, Peru (v)
 4955.0 Radio Clube, Rondonopolis, Brazil
 4955.0 Radio Cultura, Campos, Brazil (v)
 4955.0 Radio Nacional, Bogota, Colombia
 4955.4 Radio Cultural Amauta, Huanta, Peru (v)
 4960.0 All India Radio, Ranchi, India

4960.0 Radio Vanuatu, Vanuatu	5020.0 Jiangxi People's Broadcasting Station, China
4960.0 VOA, Sao Tome	5020.0 ORTN Niamey, Niamey, Niger (v)
4960.1 Radio Federacion, Sucua, Ecuador	5020.0 SIBC Honiara, Solomon Islands (v)
4960.2 Radio Villa, Santo Domingo, Dominican Republic (v)	5025.0 ABC Northern Territory Service, Katherine, Australia
4960.3 Radio HRET, Puerto Lempira, Honduras	5025.0 ORTB Parakou, Benin (v)
4965.0 Radio Alvorada, Parintins, Brazil	5025.0 Radio FM Vale do Xingu, Altamira, Brazil
4965.0 Voice of Russia, Tajikistan	5025.0 Radio Rebelde, Cuba
4965.0 Provincial Station Radio Son La, Vietnam	5025.0 Radio Quillabamba, Peru (v)
4965.0 Christian Voice, Zambia	5025.0 Radio Tashkent, Uzbekistan
4970.0 Xinjiang People's Broadcasting Station, China	5026.0 Radio Uganda, Kampala, Uganda
4970.0 Radio Rumbos, Villa de Cura, Colombia	5027.0 Radio Pakistan, Pakistan (v)
4970.0 All India Radio, Shillong, India	5029.0 University Network, Costa Rica (v)
4970.0 Radio Imagen, Tarapoto, Peru (v)	5030.0 Radio Burkina, Burkina Faso
4974.8 Radio del Pacifico, Lima, Peru (v)	5030.0 China National Radio, China
4975.0 Radio Mundial, São Paulo, Brazil	5030.0 RTM Sarawak, Malaysia
4975.0 Fujian People's Broadcasting Station, Fuzhou, China	5030.0 Radio Tonga, Tonga
4975.0 Radio Ondas del Orteguzaza, Colombia	5030.0 Provincial Station Dia Tieng Noi, Vietnam
4975.0 Radio Tajikistan, Tajikistan	5035.0 Radio Aparecida, Brazil (v)
4976.0 Radio Uganda, Kampala, Uganda	5035.0 Radio Educacao Rural, Coari, Brazil (v)
4980.0 Ecos del Torbes, San Cristobal, Venezuela	5035.0 RTV Centrafricaine, Bangui, Central African Republic (v)
4985.0 Radio Brasil Central, Goiania, Brazil	5035.0 Radio Tashkent, Uzbekistan
4990.0 Hunan People's Broadcasting Station, China	5039.2 Radio Libertad, Junin, Peru (v)
4990.0 All India Radio, Chennai, India	5039.9 RRI Pekanbaru, Indonesia (v)
4990.9 Radio Animas, Chocaya, Bolivia (v)	5040.0 Fujian People's Broadcasting Station, China
4990.9 Radio Apintie, Paramaribo, Surinam (v)	5040.0 La Voz de Yopal, Colombia
4992.0 Radio Ancash, Huaraz, Peru (v)	5040.0 Radio La Voz del Upano, Macas, Ecuador
4993.0 AFRTS Sigonella, Italy	5040.0 Georgian Radio, Dusheti, Georgia
4995.8 Radio Andina, Huancayo, Peru (v)	5040.0 All India Radio, Jeypore, India
4996.0 RWM Time Signal Station, Russia	5040.0 Radio Tashkent, Uzbekistan
5000.0 LOL1 Time Signal Station, Argentina	5043.0 Emissora Provincial de Benguela, Angola
5000.0 VNG Time Signal Station, Australia	5045.0 Radio Cultura do Para, Belem, Brazil
5000.0 BPM Time Signal Station, China	5046.2 Radio Intergración, Peru (v)
5000.0 WWVH Time Signal Station, Hawaii	5047.0 Radiodiffusion Togolaise, Lomé, Togo
5000.0 HLA Time Signal Station, Korea	5050.0 Guangxi Foreign Broadcasting Station, China
5000.0 BSF Time Signal Station, Taiwan	5050.0 The Voice of the Strait, China
5000.0 WWV Time Signal Station, United States of America	5050.0 All India Radio, Aizawl, India
5000.0 ULW 4 Time Signal Station, Uzbekistan	5050.0 Radio Tanzania, Dar-es-Salaam, Tanzania
5000.0 Observatorio Cagigal, Venezuela	5053.6 Radio Acobamba, Acobamba, Peru (v)
5000.0 Provincial Station Binh Thuan, Vietnam	5054.6 Radio Faro del Caribe, Costa Rica (v)
5000.0 Provincial Station Radio Yen Bai, Vietnam	5055.0 Radio Jornal A Critica, Manaus, Brazil(v)
5003.0 Radio Nacional, Equatorial Guinea (v)	5055.0 Radio Difusora, Caceres, Brazil
5005.0 RTM Kuching, Sibul, Malaysia	5055.0 RFO Cayenne, French Guyana (v)
5009.5 Radio Madagascar, Madagascar (v)	5060.0 Xinjiang People's Broadcasting Station, Urumqi, China
5009.7 Radio Altura, Peru (v)	5060.0 Radio Progreso, Loja, Ecuador (v)
5009.9 HIMI Radio Cristal Internacional, Dominican Republic (v)	5060.0 Radio Tashkent, Uzbekistan
5010.0 CRTV Radio Garoua, Cameroon (v)	5060.5 Radio Bolivar, Peru (v)
5010.0 Central People's Broadcasting Station, China	5066.0 Radio CANDIP, Congo D.R.
5010.0 HRMI Radio Misiones Internacional, Honduras (v)	5067.0 Ondas del Suroriente, Quillabamba, Peru (v)
5010.0 All India Radio, Thirupuram, India	5070.0 WWCR, Nashville, United States of America
5011.3 Escuelas Radiofónicas Populares, Riobamba, Ecuador (v)	5075.0 Voice of Pujiang, China
5015.0 Emissora Provincial do Namibe, Angola	5076.8 CARACOL, Columbia
5015.0 Radio Brasil Tropical, Cuiaba, Brazil (v)	5084.6 Radio Mundo, Cusco, Peru (v)
5015.0 Radio Copacabana, Brazil	5085.0 WWRB, McCaysville, United States of America
5015.0 Radio Pioneira, Teresina, Brazil (v)	5090.0 Central People's Broadcasting Station, China
5015.0 Turkmen Radio, Turkmenistan	5105.0 WBCQ, United States of America
5019.8 Radio Horizonte, Chahapoyas, Peru (v)	
5019.9 Ecos del Atrato, Quibda, Colombia	

v = variable frequency

(Raimo Mäkelä's "List of Tropical Radio Stations" on the web, last updated: 3rd November 2003, via JKB)

The maximum *sunspot number* R=150.7 of this solar cycle 23/24 was observed in September 2001. Now the sunspot number decreases, next minimum will be in April 2007 with a predicted value of 9.1. Here are the predicted values by the IPS Radio & Space Services, Sydney, Australia, for 2004:

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
57.5	54.7	53.2	51.8	50.9	48.4	46.0	43.9	41.7	39.6	37.8	35.9

(IPS website via JKB, updated Nov 30 2003)

MOLDOVA: Cause *Radio Moldova International* has stopped all broadcasts on Short Wave, broadcasts only available via Internet on <<http://www.trm.md/radio>> as per following schedule:

1100-1130 Spanish, 1130-1200 Romanian, 1200-1230 English, 1900-1930 Russian, 1930-2000 French.

Radio Moldova International - Programs from Mon to Fri:

Monday : News/Moldovan Press R, Society Review
 Tuesday : News/Current Political Life/People & Destinies
 Wednesday : News/Moldova & the World/Cultural Paradise
 Thursday: News/Business & Economy/Environmental Issues
 Friday : News/Welcome to Moldova/Literary Creations

Contact Info:

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(RMI Printed Brochure received on Oct 29, 2003, Regds to Alokesh Gupta, via DXLD #3-197; November 1, 2003)

NEW ZEALAND: *Radio New Zealand International - RNZI* valid schedule 26 October 2003 - 28 March 2004. Address: P.O.Box 123, Wellington, New Zealand. Fax: 00 64 4 474 1433 and e-mail address is <info@rnzi.com>. Reception reports by e-mail or post are welcome and at the web <<http://www.rnzi.com/pages/contact.htm>> RNZI has provided forms of reception reports for e-mail (Netscape users only) and postal mail. Please do not send cassettes. All DX reception reports must contain detailed programme information for verification purposes and be accompanied by two International Reply Coupons (IRC) or \$US 2 if a QSL is sought. E-mail reports will be verified by e-mail only.

UTC	KHz	Primary Target	Az.	Days
0400-0759	15340	All Pacific, also Europe, and mid-west USA	0	Daily
0800-1059	11675	All Pacific, also mid-west USA	0	Daily
1100-1259	15530	NW Pacific, Bougainville, Timor, Asia, Europe	325	Daily
1300-1649	6095	All Pacific	0	Daily
1650-1750	6095	NE Pacific, Fiji, Samoa, Cook Islands	35	Daily
1751-1850	11980	NE Pacific, Fiji, Kiribati, Samoa, Cook Islands	0	Daily
1851-2239	15265	All Pacific, also audible in Europe	0	Daily
2240-0359	17675	All Pacific, also heard on the west coast of the USA	0	Daily

Bougainville/Timor transmission from 1105 -1305 UTC programme is directed to the North Western Pacific and Asia for NZ Forces serving overseas.
 (RNZI schedule at the web modified on 26. November 2003, via JKB)

ROMANIA: B03 schedule of *Radio Romania International - RRI*, homepage at the internet is <<http://www.rrr.ro>> and postal address is: Radio Romania International, PO Box 111, Bucharest.

ARABIC	0730-0756	15270	15365	17735	17790		1700-1726	9510	9690	11810	11820
	1430-1456	15160	15370	17790	17805		2000-2026	7105	9570		
AROMANIAN	1630-1656	756	5985*			GERMAN	0630-0656	9510	9655	11775	11940
	2000-2026	756	5955*				1200-1256	11790	11940	15170	15245
BULGARIAN	1430-1456	756	7130*				1600-1656	5995	7225	9585	11790
	1800-1826	756	5960*				1900-1956	5960	7130		
CHINESE	0500-0526	15160	17720			GREEK	1500-1526	756	9750*		
	1400-1426	11830	15375				1830-1856	756	7120*		
ENGLISH	0100-0156	6040	9510	9530	11740	HUNGARIAN	1600-1626	756	7135*		
	0300-0356	6040	9515				1930-1956	756	5960*		
	0700-0726	11775	15105			ITALIAN	1700-1726	756	9745*		
	1300-1356	15170	17720	17745			2030-2056	756	6120*		
	1700-1726	9570	11940			PORTUGUESE	0000-0056	9665	11830	11875	15250
	2030-2056	6110	7105				1930-1956	11725	15335		
	2200-2256	5975	7250	11830			2130-2156	9655	11725	11940	15285
	2300-2356	11840	11940	15145	15370	ROMANIAN	0800-0856	15370	15380	17745	17805
FRENCH	0400-0456	6045	9510				0900-0956	15380	15470	17735	17745
	0600-0626	9510	9560	11775	11840		1000-1056	15260	15380	17735	17745
	1100-1156	15260	15380	17745	17790		1300-1356	15105			

	1500-1556	11790	15105		SPANISH	0000-0056	9665	11830	11875	15250
	1730-1756	9595	11780			0200-0256	5995	9530	9550	11940
	1800-1856	7195	9595			1900-1926	9645	11725		
	1900-1956	6140				2100-2126	9655	11725	11940	15285
RUSSIAN	0530-0556	9740	11735		TURKISH	1400-1426	756	7150*		
	1500-1526	9590	11745			1730-1756	756	5985*		
	1800-1826	5965	7155		UKRAINIAN	1530-1556	6115	7135		
SERBIAN	1530-1556	756	7285*			1830-1856	5965	7155		
	1900-1926	756	5955*							

* via Saftitza 50 kW

(I. Ivanov and A. Datzinov in OBSERVER #277 via WB, 15 Oct 2003)

SLOVAKIA: *Radio Slovakia International - RSI* made changes to their schedule, published prior in DXM. This is the new schedule is valid from 2003 December 1 to 2004 March 28:

UTC	Region	Language	kHz						
0100-0130	North America	English	5930	1600-1630	Eastern Europe, Asia	Russian	5915		
	South America	English	9440		Eastern Europe, Asia	Russian	9535		
0130-0200	North America	Slovak	5930	1630-1700	Western Europe	Slovak	5915		
	South America	Slovak	9440		Western Europe	Slovak	7345		
0200-0230	North America	French	5930	1700-1730	Western Europe	German	5915		
	South America	French	9440		Western Europe	German	7345		
0230-0300	South America	Spanish	11990	1730-1800	Western Europe	English	5915		
	South America	Spanish	9440		Western Europe	English	7345		
0700-0730	Australia	English	15460	1800-1830	Western Europe	French	5915		
	Australia	English	13715		Western Europe	French	7345		
0730-0800	Australia	Slovak	15460	1830-1900	Eastern Europe, Asia	Russian	5915		
	Australia	Slovak	13715		Eastern Europe, Asia	Russian	6055		
0800-0830	Western Europe	German	5915	1900-1930	Western Europe	German	5915		
	Western Europe	German	6055		Western Europe	German	7345		
1400-1430	Eastern Europe, Asia	Russian	11990	1930-2000	Western Europe	English	5915		
	Eastern Europe, Asia	Russian	13715		Western Europe	English	7345		
1430-1500	Western Europe	German	6055	2000-2030	Western Europe	Slovak	5915		
	Western Europe	German	7345		Western Europe	Slovak	7345		
1530-1600	Western Europe	Spanish	9440	2030-2100	Western Europe	French	5915		
	Western Europe	Spanish	11600		Western Europe	French	7345		
				2100-2130	Western Europe	Spanish	7345		
					W. Europe, S. America	Spanish	9440		

(RSI schedule at the web last modified on 28. November 2003, via JKB)

SPAIN: On Sunday, *Radio Exterior de España (REE)* launched a weekly program linking Spanish soldiers on active service in Iraq with their families at home. The program *Aquí España* ('This is Spain') is a joint production between REE and the domestic network *Radio 5 Todo Noticias*, and is on the air between 1405 and 1500 UTC. As well as forging a link between the military base at Diwaniya and families at home, the programme will also carry the latest sports and entertainment news. There will also be background information about Iraq. The broadcast is beamed to the Middle East on shortwave 21610 kHz and relayed over an FM transmitter recently installed at Diwaniya. According to the REE Web site it is also carried on frequencies beamed to Europe, Africa and the Americas. (© Radio Netherlands Media Network at November 10, 2003; via JKB)

Radio Exterior de España - REE with their with their foreign language B03 schedule valid to 10/26/2003. Address: Radio Exterior de España, Apartado 156.202, 28080 Madrid, Spain. E-mail: audiencia_ree.rne@rtve.es and Web: <http://www.rne.es>.

Ar to Af:				2200-2259	9680	Saturday-Sunday
1900-1959	7270	Monday to Friday		E to Am:		
2000-2059	7270			0000-0159	6055	
2100-2159	7270	Saturday & Sunday		F to Am:		
F to Af:				2300-2359	6055	
1900-1959	9595	Monday to Saturday		Sefardí to Am:		
2100-2159	9595	Sunday		0115-0145	11795	Tuesday
E to Af:				0415-0445	9690	Tuesday
2000-2059	9595	Monday-Friday		Ar to Orient:		
2100-2159	9595	Saturday & Sunday		1700-1859	21610	
G to Eu:				1900-1959	12035	Monday to Friday
1730-1800	9665	Monday & Thursday		2000-2059	12035	
Russian to Eu:				2100-2159	12035	Saturday & Sunday
1700-1730	15195	Monday to Friday		F to Orient:		
F to Eu:				1900-1959	7150	Monday to Saturday
1800-1859	9655	Monday to Saturday		1900-1959	12035	Saturday & Sunday
2300-2359	6095	Sunday		Sefardí to Orient:		
E to Eu:				1825-1855	7770	Monday
2000-2059	9680	Monday - Friday				

(REE schedule at the web last modified on 24. October 2003, via JKB)

SWEDEN: *Radio Sweden's* English Schedule B03. Address: S-105 10 Stockholm, Sweden.
WWW: <<http://www.radiosweden.org>> E-mail: <info@P6.sr.se> or <radiosweden@sr.se>.
Europe / Africa / Middle East

1430 17505

1830 (except Sun) 1179 and 6065

2030-2100 1179, 6065, and 9400

2230 1179 and 6065

Asia & Pacific

0130 9435

1330 9430 and 17505

2030 9400

North America

0230 and 0330 9495 (Relays from Sackville, Canada).

1330 and 1430 18960

Transmissions in digital DRM continue:

1330 via Radio Netherlands on 9815 kHz, (German program is being relayed on this same frequency at 1300).

2330 via Radio Canada International on 9800.

(MediaScan #2459 via WWDXC-HQ; October 22, 2003)

UKRAINE: B03 tentative [now it's the final schedule, Ed.] schedule of *Radio Ukraine International - RUI*. Postal address: Radio Ukraine International, English Section, Kreshchatik 26, 01001 Kyiv, Ukraine. Fax: +380-44-228-7356. Web: <<http://www.nrcu.gov.ua>>, E-mail: <vsru@nrcu.gov.ua>.

Frequency	Time UTC	Tx Site	Azimuth	Target Area
5840	2200-0100	Kharkiv	290	W.Europe
5905*	0000-0500	Mykolaiv	314	N.America
7420	0100-0500	Kharkiv	055	Russia (Tyumen)
7420	0500-0800	Kharkiv	290	W.Europe
7420	1400-1800	Kharkiv	055	Russia (Tyumen)
7510	1800-2200	Kharkiv	290	W.Europe
15520	0800-1400	Kharkiv	262	W.Europe

(* in March the frequency can be changed presumably to 7375 or 9810 kHz).

The output of all SW txs is 100 kW except on 5905 kHz where it is 1000 kW.

Transmission schedules in various languages are as follows:

GERMAN (one hour long): at 1800 & 2100 on 7510 kHz; at 0000 on 5840 kHz.

ENGLISH (one hour long): at 2200 on 5840 kHz; at 0100 & 0400 on 5905 kHz; at 1200 on 15520 kHz.

UKRAINIAN programmes are transmitted on all frequencies and at all times except for the time reserved for German and English programmes, as shown above.

ROMANIAN (half an hour long): at 1800, 2030, 2200 on 657 kHz MW Chernivtsi, 25 kW.

(Alexander Egorov, via Andreas Volk & Anatoly Klepov, via WWDXC-HQ; October 09, 2003)

UNITED KINGDOM: *BBC World Service* and relays of other stations over the *Merlin* facilities. Operational schedule B03 part 2. Part 1 of schedule was published at DXM last month.

Freq	From-To	Days	Tx	deg	Language	Target	Bc											
11685	1530-1545	smtwtfs	SNG	320	BBC ENGLISH (LD)	S AS	BBC											
11550	0900-0930	smtwtfs	TAI	205	ABC INDONESIAN	SE AS	ABC	11685	2300-2400	smtwtfs	SNG	13	VIETNAMESE	SE AS	BBC			
11550	2130-2330	smtwtfs	TAI	205	ABC INDONESIAN	SE AS	ABC	11690	1100-1257	smtwtfs	SNG	140	RNW INDONESIAN	SE AS	RNW			
11605	0000-0030	smtwtfs	TAI	225	RFA VIETNAMESE	SE AS	IBB	11690	1700-1757	smtwtfs	KIG	30	FEB A SOMALI	E AF	FEB			
11605	1400-1500	smtwtfs	TAI	250	RFA VIETNAMESE	SE AS	IBB	11695	0100-0300	smtwtfs	DHA	75	RFA TIBETAN	TIB	IBB			
11605	2330-2400	smtwtfs	TAI	225	RFA VIETNAMESE	SE AS	IBB	11695	1300-1345	smtwtfs	SAM	129	FEB A PUNJABI	S AS	FEB			
11650	2000-2100	. . . . t . .	SHB	25	HERALD CC FRENCH	CAN,EU	SHB	11695	2030-2100	smtwtfs	SKN	195	PORTUGUESE (AF)	W AF	BBC			
11650	2000-2100	. m . w . s	SHB	25	HERALD CC PORTUGUESE	CAN,EU	SHB	11710	0800-1000	smtwtfs	SKN	70	NHK JAPANESE	EUR	NHK			
11650	2000-2100	s . t . . f .	SHB	25	HERALD CC SPANISH	CAN,EU	SHB	11710	1100-1130	smtwtfs	SKN	90	NHK GERMAN	EUR	NHK			
11650	2100-2200	. . t . . f .	SHB	25	HERALD CC GERMAN	CAN,EU	SHB	11710	1130-1200	smtwtfs	SKN	70	NHK RUSSIAN	EUR	NHK			
11650	2100-2200	. . . . t . .	SHB	25	HERALD CC PORTUGUESE	CAN,EU	SHB	11725	0230-0300	smtwtfs	SLA	100	HINDI	S AS	BBC			
11650	2100-2200	s m . w . s	SHB	25	HERALD CC ENGLISH	CAN,EU	SHB	11725	0600-0630	smtwtfs	ASC	27	RFI ENGLISH	W AF	RFI			
11665	0000-0030	smtwtfs	ASC	245	RPR SPANISH	SAM	RPR	11725	0630-0700	smtwtfs	ASC	27	RFI FRENCH	W AF	RFI			
11670	1730-1900	smtwtfs	RMP	47	RUSSIAN	RUSS	BBC	11730	0400-0430	smtwtfs	SEY	280	SWAHILI	E AF	BBC			
11675	2115-2130	.mtwtf.	ATG	300	ENGLISH (CARIBBEAN)	CARIB	BBC	11740	0300-0600	smtwtfs	CYP	150	ARABIC	ME	BBC			
11675	2115-2130	.mtwtf.	ATG	235	ENGLISH (CARIBBEAN)	CARIB	BBC	11740	0600-0700	smtwtfs	SNG	1	NHK ENGLISH	SE AS	NHK			
11680	1130-1145	smtwtfs	BIB	126	SERBIAN	SE EUR	BBC	11740	0600-0800	smtwtfs	CYP	101	ARABIC	ME	BBC			
11680	1200-1230	smtwtfs	CYP	325	ROMANIAN	SE EUR	BBC	11740	0700-1000	smtwtfs	SNG	1	NHK JAPANESE	SE AS	NHK			
11680	1600-1630	smtwtfs	WOF	82	VOA ARMENIAN	CAU	IBB	11740	1030-1100	smtwtfs	SNG	1	NHK BURMESE	SE AS	NHK			
11680	1630-1800	smtwtfs	RMP	168	ARABIC	N AF	BBC	11740	1130-1200	smtwtfs	SNG	1	NHK THAI	SE AS	NHK			
11680	1800-2115	smtwtfs	SKN	180	ARABIC	N AF	BBC	11740	1200-1230	smtwtfs	SNG	1	NHK VIETNAMESE	SE AS	NHK			
11680	2130-2145	. . t . . f .	RMP	209	ENGLISH (FALKLANDS)	S AT	BBC	11740	1230-1300	smtwtfs	SNG	1	NHK CHINESE	SE AS	NHK			
11685	1345-1430	smtwtfs	SNG	340	BURMESE	SE AS	BBC	11750	0100-0130	smtwtfs	SLA	85	HINDI	S AS	BBC			
11685	1430-1500	smtwtfs	SNG	13	VIETNAMESE	SE AS	BBC	11750	0130-0200	smtwtfs	SLA	85	URDU	S AS	BBC			
11685	1500-1530	smtwtfs	SNG	320	NEPALI	S AS	BBC	11750	0200-0300	smtwtfs	SLA	335	PERSIAN	ME	BBC			

11750	0300-0400	smtwtfs	CYP	77	PERSIAN	ME	BBC	13640	1500-1530	smtwtfs	SKN	90	UKRAINIAN	UKR	BBC
11750	0400-0445	smtwtfs	CYP	77	PERSIAN/PASHTO	ME	BBC	13640	1730-1900	smtwtfs	RMP	62	RUSSIAN	RUSS	BBC
11760	0300-0500	smtwtfs	CYP	101	ENGLISH (MEF)	ME	BBC	13640	1830-1900	smtwtfs	SAC	277	RTE	N AM	RTE
11760	0500-0600	smtwtfs	SLA	320	ENGLISH (MEF)	ME	BBC	13650	0400-0445	smtwtfs	CYP	50	PERSIAN/PASHTO	ME	BBC
11760	0700-1400	smtwtfs	SLA	320	ENGLISH (MEF)	ME	BBC	13650	1130-1145	smtwtfs	RMP	105	SERBIAN	SE EUR	BBC
11760	1700-1800	smtwtfs	RMP	62	HCJB RUSSIAN	RUSS	HCJ	13650	1600-1630	smtwtfs	RMP	62	RCI RUSSIAN	RUSS	RCI
11765	0000-0115	smtwtfs	ASC	265	SPANISH	S AM	BBC	13660	0300-1200	smtwtfs	CYP	117	ARABIC	ME	BBC
11765	0115-0130	. . . . .	ASC	265	SPANISH	S AM	BBC	13660	1200-1800	smtwtfs	SKN	180	ARABIC	N AF	BBC
11765	0130-0230	smtwtfs	ASC	295	RAI ITALIAN	C AM	RAI	13690	1157-1226	smtwtfs	RMP	168	VRT FLEMISH	S EUR	VRT
11765	0300-0700	smtwtfs	MEY	328	ENGLISH (AFW)	W AF	BBC	13690	1730-1800	smtwtfs	SKN	125	VOICE OF ERITREA TIG	E AF	MNO
11765	0700-0800	smtwtfs	ASC	27	ENGLISH (AFW)	W AF	BBC	13700	2030-2100	smtwtfs	RMP	169	PORTUGUESE (AF)	W AF	BBC
11780	0900-1000	smtwtfs	CYP	343	TURKISH	SE EUR	BBC	13720	1800-1900	smtwtfs	SKN	140	YFR ARABIC	N AF	YFR
11780	1000-1100	smtwtfs	TAI	352	SHB ENGLISH	CHN	SHB	13735	1300-1350	smtwtfs	SNG	13	DW CHINESE	FE	DWL
11785	1500-1600	smtwtfs	WOF	70	RFE RL KYRGHZ	CAU	IBB	13735	2300-2330	smtwtfs	SNG	13	RCI CHINESE	CHN	RCI
11785	1900-2000	smtwtfs	DHA	245	HIRONDELLE	CAF	NEW	13755	1400-1500	smtwtfs	NAK	305	PERSIAN	ME	BBC
11805	0230-0300	smtwtfs	DHA	75	BIBLE VOICE	S AS	MNO	13755	1500-1600	smtwtfs	NAK	305	PASHTO	SW AS	BBC
11820	0800-1800	smtwtfs	CYP	101	ARABIC	ME	BBC	13755	1600-2000	smtwtfs	NAK	305	PERSIAN	ME	BBC
11825	0500-0700	smtwtfs	WOF	114	VOA ENGLISH	EUR	IBB	13775	1830-1845	.mtwtf.	SKN	180	UN RADIO	N AF	UNR
11835	1329-1400	smtwtfs	SNG	330	BENGALI	S AS	BBC	13790	1759-1956	smtwtfs	SAC	73	VRT FLEMISH	EUR ME	VRT
11835	1500-1700	smtwtfs	WOF	114	RFE RL ARABIC	ME	IBB	15105	0700-0729	smtwtfs	ASC	65	FRENCH	W AF	BBC
11835	2200-2300	smtwtfs	ASC	65	RCI FRENCH	W C AF	RCI	15105	1330-1345	smtwtfs	ASC	55	BBC ENGLISH (HAUSA)	W AF	BBC
11845	0500-0505	smtwtfs	WOF	78	RUSSIAN	RUSS	BBC	15105	1345-1415	smtwtfs	ASC	55	HAUSA	W AF	BBC
11845	0505-0530	smtwtfs	WOF	78	ENGLISH (MEF)	RUSS	BBC	15105	1800-1830	smtwtfs	ASC	65	FRENCH	W AF	BBC
11845	0505-0600	.mtwtf.	WOF	78	RUSSIAN	RUSS	BBC	15105	1915-1930	smtwtfs	ASC	65	BBC ENGLISH (AFR)	W C AF	BBC
11845	0630-0700	smtwtfs	CYP	295	ALBANIAN	SE EUR	BBC	15105	1930-2000	smtwtfs	ASC	65	HAUSA	W AF	BBC
11850	0000-0030	smtwtfs	SNG	340	BURMESE	SE AS	BBC	15110	2330-2400	smtwtfs	TAI	225	ABC VIETNAMESE	SE AS	ABC
11850	0030-0100	smtwtfs	SNG	340	BENGALI	S AS	BBC	15115	1330-1415	smtwtfs	SKN	125	ALBANIAN	SE EUR	BBC
11855	1930-2000	smtwtfs	ASC	55	HAUSA	W AF	BBC	15115	1415-1445	smtwtfs	SKN	125	ALBANIAN	SE EUR	BBC
11855	2000-2030	smtwtfs	ASC	27	VOA ENGLISH AFRICA	AF	IBB	15125	1830-1900	smtwtfs	ASC	70	FEBE FRENCH	C AF	FEB
11855	2030-2100	smtwtfs	ASC	65	PORTUGUESE (AF)	S AF	BBC	15135	1200-1230	smtwtfs	DHA	85	AWR ENGLISH	S AS	AWR
11855	2100-2200	smtwtfs	ASC	85	NHK ENGLISH	AF	NHK	15135	1230-1300	smtwtfs	DHA	85	AWR BANGLA	S AS	AWR
11860	0100-0200	smtwtfs	SNG	340	NHK ENGLISH	SE AS	NHK	15155	1300-1330	.mtwtf.	RMP	62	KAZAKH	C AS	BBC
11860	0200-0300	smtwtfs	SNG	340	NHK JAPANESE	SE AS	NHK	15170	1200-1230	smtwtfs	DHA	85	FEBE TIBETAN	S AS	FEB
11860	1400-1415	. . . . .	SEY	300	SOMALI	E AF	BBC	15170	1230-1330	smtwtfs	DHA	85	GOSPEL FOR ASIA	S AS	MNO
11860	1400-1415	.mtw. . .	SEY	300	BBC ENGLISH (SOMALI)	E AF	BBC	15180	0330-0600	smtwtfs	SLA	290	ARABIC	ME	BBC
11860	1415-1500	smtwtfs	SEY	300	SOMALI	E AF	BBC	15180	0730-1630	smtwtfs	RMP	168	ARABIC	N AF	BBC
11860	1500-1530	smtwtfs	SEY	270	ENGLISH (AFE)	E AF	BBC	15180	1630-1800	smtwtfs	CYP	280	ARABIC	N AF	BBC
11860	1530-1615	smtwtfs	SEY	270	SWAHILI	E AF	BBC	15190	0900-1000	smtwtfs	ASC	235	ENGLISH (AME)	S AM	BBC
11860	1615-1630	.mtwtf.	SEY	270	SWAHILI	E AF	BBC	15190	1000-1055	smtwtfs	SNG	13	DW CHINESE	FE	DWL
11860	1615-1700	smtwtfs	SEY	270	ENGLISH (AFE)	E AF	BBC	15190	1000-1130	smtwtfs	ASC	235	ENGLISH (AME)	S AM	BBC
11860	1630-1700	.mtwtf.	SEY	270	GREAT LAKES	E AF	BBC	15190	1100-1130	smtwtfs	ATG	205	ENGLISH (AME)	S AM	BBC
11865	0300-0329	smtwtfs	MEY	20	SWAHILI	E AF	BBC	15190	1100-1130	.mtwtf.	ATG	205	ENGLISH (CARIBBEAN)	CARIB	BBC
11865	1500-1530	smtwtfs	RMP	85	UKRAINIAN	UKR	BBC	15190	1100-1130	smtwtfs	ATG	300	ENGLISH (AME)	CARIB	BBC
11875	1500-1700	smtwtfs	WOF	75	RFE RL TURKMEN	CAU	IBB	15190	1100-1130	.mtwtf.	ATG	300	ENGLISH (CARIBBEAN)	CARIB	BBC
11890	0130-0200	smtwtfs	DHA	105	FEBE TELEGU	S AS	FEB	15190	1130-1200	.mtwtf.	ATG	205	ENGLISH (AME)	S AM	BBC
11895	1200-1210	.mtwtf.	CYP	328	CROATIAN	SE EUR	BBC	15190	1130-1200	.mtwtf.	ATG	300	ENGLISH (AME)	CARIB	BBC
11920	0700-1000	smtwtfs	SNG	140	NHK JAPANESE	OC	NHK	15190	1130-1700	smtwtfs	ATG	205	ENGLISH (AME)	S AM	BBC
11920	1000-1100	smtwtfs	SNG	140	RAI ITALIAN	OC	RAI	15190	1130-1700	smtwtfs	ATG	300	ENGLISH (AME)	CARIB	BBC
11920	1100-1130	smtwtfs	NAK	150	INDONESIAN	SE AS	BBC	15190	1200-1230	.mtwtf.	ATG	300	ENGLISH (CARIBBEAN)	CARIB	BBC
11920	1130-1145	smtwtfs	NAK	150	BBC ENGLISH (LD)	SE AS	BBC	15190	1200-1230	.mtwtf.	ATG	205	ENGLISH (CARIBBEAN)	CARIB	BBC
11920	1400-1445	smtwtfs	SNG	315	HINDI	S AS	BBC	15190	1230-1700	.mtwtf.	ATG	205	ENGLISH (AME)	S AM	BBC
11920	1500-1600	smtwtfs	CYP	107	URDU	SW AS	BBC	15190	1230-1700	.mtwtf.	ATG	300	ENGLISH (AME)	CARIB	BBC
11920	2000-2100	smtwtfs	SNG	135	NHK JAPANESE	OC	NHK	15195	2000-2100	smtwtfs	ASC	65	YFR ENGLISH	C AF	YFR
11920	2100-2200	smtwtfs	SNG	135	NHK ENGLISH	OC	NHK	15210	0400-0600	smtwtfs	DHA	255	RFI FRENCH	E C AF	RFI
11925	1700-1730	smtwtfs	RMP	110	SERBIAN	SE EUR	BBC	15215	1400-1500	smtwtfs	DHA	100	GOSPEL FOR ASIA	S AS	MNO
11925	1900-2000	smtwtfs	RMP	62	RUSSIAN	RUSS	BBC	15215	1500-1530	smtwtfs	DHA	75	AWR PUNJABI	S AS	AWR
11935	1630-1730	smtwtfs	SKN	90	RCI UKRAINIAN	UKR	RCI	15215	1530-1600	smtwtfs	DHA	75	AWR HINDI	S AS	AWR
11935	1730-1800	smtwtfs	RMP	62	RCI RUSSIAN	RUSS	RCI	15220	0700-0730	smtwtfs	ASC	27	NHK ARABIC	N AF	NHK
11940	0500-1700	smtwtfs	MEY	15	ENGLISH (AFE)	S AF	BBC	15220	1100-1130	.mtwtf.	ASC	235	SPANISH	S AM	BBC
11945	0000-0030	smtwtfs	YAM	290	ENGLISH (ASE)	FE	BBC	15220	2200-2300	smtwtfs	ASC	235	NHK JAPANESE	S AM	NHK
11945	1030-1100	smtwtfs	NAK	20	BBC ENGLISH (ASIA E	FE	BBC	15225	1500-1530	smtwtfs	DHA	75	AWR NEPALI	S AS	AWR
11945	1100-1300	smtwtfs	NAK	20	MANDARIN	CHN	BBC	15225	1530-1600	smtwtfs	DHA	75	AWR ENGLISH	S AS	AWR
11945	1300-1345	smtwtfs	SNG	90	INDONESIAN	SE AS	BBC	15225	1600-1700	smtwtfs	ASC	100	VOA ENGLISH AFRICA	AF	IBB
11945	2200-2300	smtwtfs	YAM	290	MANDARIN	CHN	BBC	15245	1400-1445	smtwtfs	SLA	100	HINDI	S AS	BBC
11945	2300-2400	smtwtfs	YAM	290	ENGLISH (ASE)	FE	BBC	15245	1445-1500	.mtwtfs	SLA	100	BBC ENGLISH (ASIA S)	S AS	BBC
11955	0000-0100	smtwtfs	NAK	275	ENGLISH (ASS)	S AS	BBC	15245	1445-1500	smtwtfs	SLA	100	HINDI	S AS	BBC
11955	0100-0300	smtwtfs	SLA	63	ENGLISH (ASS)	S AS	BBC	15260	0100-0200	. . . w . f .	TAI	250	ULMD HMONG LAO	SE AS	NEW
11955	0500-0900	smtwtfs	NAK	150	ENGLISH (ASE)	SE AS	BBC	15265	1235-1300	smtwtfs	MOS	115	THAI	ME	BBC
11955	2200-2300	smtwtfs	SNG	13	ENGLISH (ASE)	SE AS	BBC	15280	0000-0530	smtwtfs	NAK	40	ENGLISH (ASE)	FE	BBC
11955	2200-2400	smtwtfs	ATG	340	DW GERMAN	N AM	DWL	15280	1000-1030	smtwtfs	SNG	135	RTE	AUS	RTE
11955	2300-2400	smtwtfs	NAK	150	ENGLISH (ASE)	SE AS	BBC	15280	2300-2400	smtwtfs	NAK	40	ENGLISH (ASE)	FE	BBC
11965	2130-2200	smtwtfs	ATG	160	BRAZILIAN	S AM	BBC	15285	1030-1100	smtwtfs	SNG	13	BBC ENGLISH (ASIA E	SE AS	BBC
11975	1500-1515	.mtwtf.	CYP	315	CROATIAN	SE EUR	BBC	15285	1100-1530	smtwtfs	SNG	13	MANDARIN	FE	BBC
11985	0600-0800	smtwtfs	ATG	270	DW GERMAN	OC	DWL	15285	2200-2300	smtwtfs	SHB	137	HERALD CC ENGLISH	S AM	SHB
11995	0200-0300	smtwtfs	DHA	45	FEBE DARI	ME	FEB	15285	2200-2300	. . . . .	SHB	137	HERALD CC SPANISH	S AM	SHB
11995	2200-2300	smtwtfs	NAK	150	INDONESIAN	SE AS	BBC	15285	2200-2300	. . . t . .	SHB	137	HERALD CC PORTUGUESE	S AM	SHB
12010	1300-1430	smtwtfs	SNG	13	ABC CHINESE	CHN	ABC	15285	2300-2400	smtwtfs	SHB	167	HERALD CC ENGLISH	S AM	SHB
12010	1600-1700	smtwtfs	SKN	110	TURKISH	SE EUR	BBC	15285	2300-2400	.mtwtfs	SHB	167	HERALD CC SPANISH	S AM	SHB
12020	0400-0500	smtwtfs	SHB	72	HERALD CC FRENCH	AF	SHB	15295	1345-1430	smtwtfs	MOS	80	BURMESE	SE AS	BBC
12020	0400-0500	.mt. . t .	SHB	72	HERALD CC ENGLISH	AF	SHB	15310	0000-0300	smtwtfs	NAK	290	ENGLISH (ASS)	S AS	BBC
12020	0500-0600	smtwtfs	SHB	102	HERALD CC ENGLISH	AF	SHB	15310	0300-0600	smtwtfs	SLA	63	ENGLISH (ASS)	S AS	BBC
12025	2100-2230	smtwtfs	SAC	73	HCJB ARABIC	N AF	HCJ	15310	0600-1800	smtwtfs	NAK	290	ENGLISH (ASS)	S AS	BBC
12035	0300-0400	smtwtfs	SEY	280	ENGLISH (AFE)	E AF	BBC	15310	1800-2000	smtwtfs	NAK	300	ENGLISH (MEF)	ME	BBC
12035	0400-0500	smtwtfs	CYP	175	ENGLISH (AFE)	E AF	BBC	15320	1700-1800	smtwtfs	ASC	100	RAI ITALIAN	AF	RAI
12035	0700-0800	. . . . .	DHA	45	PERSIAN	ME	BBC	15325	1130-1145	smtwtfs	RMP	105	SERBIAN	SE EUR	BBC
12035	0700-0900	. . . . .	DHA	45	PASHTO	ME	BBC	15325	1200-1210	.mtwtf.	RMP	105	CROATIAN	SE EUR	BBC
12035	0800-0845	smtwt. s	DHA	45	PERSIAN/PASHTO	ME	BBC	15325	1300-1330	.mtwtf.	GR	164	SPANISH	C S AM	BBC
12035	0845-0900	. . . . .	DHA	45	PERSIAN	ME	BBC								

15400	0700-1000	smtwtfs	ASC	27	ENGLISH (AFW)	W AF	BBC	17650	0800-1000	smtwtfs	ASC	27	NHK JAPANESE	AF	NHK
15400	1000-1100	s.....	ASC	27	ENGLISH (AFW)	W AF	BBC	17665	1300-1330	.mtwtf.	RMP	62	KAZAKH	C AS	BBC
15400	1100-1130	smtwtfs	ASC	27	ENGLISH (AFW)	W AF	BBC	17695	0700-0729	smtwtfs	MEY	350	FRENCH	C AF	BBC
15400	1230-1300	smtwtfs	ASC	27	NHK FRENCH	AF	NHK	17720	0800-1000	smtwtfs	DHA	285	NHK JAPANESE	ME	NHK
15400	1500-2300	smtwtfs	ASC	27	ENGLISH (AFW)	W AF	BBC	17730	0557-0629	smtwtfs	MEY	355	VRT FLEMISH	AF	VRT
15405	0230-0300	smtwtfs	NAK	305	HINDI	S AS	BBC	17755	2100-2130	.mtwtf.	ASC	27	VOA FRENCH AFRICA	AF	IBB
15410	0500-0600	smtwtfs	DHA	230	DW ENGLISH	E AF	DWL	17760	0300-0500	smtwtfs	NAK	25	ENGLISH (ASE)	FE	BBC
15410	1400-1700	smtwtfs	WOF	120	RFE RL FARSI	ME	IBB	17760	0500-1000	smtwtfs	SNG	13	ENGLISH (ASE)	SE AS	BBC
15420	0329-0600	smtwtfs	SEY	280	ENGLISH (AFE)	E AF	BBC	17760	1000-1400	smtwtfs	NAK	25	ENGLISH (ASE)	FE	BBC
15420	0700-0730	.....f.	SLA	10	PASHTO	SW AS	BBC	17765	1600-1700	.m.w.f.	SHB	87	HERALD CC FRENCH	AF	SHB
15420	0700-0800	.....t.	SLA	10	PERSIAN	ME	BBC	17765	1600-1700	.....s	SHB	87	HERALD CC ENGLISH	AF	SHB
15420	0730-0800	mtw.f.s	SLA	10	PASHTO	SW AS	BBC	17765	1600-1700	s.....	SHB	87	HERALD CC PORTUGUESE	AF	SHB
15420	0800-0845	smtwtfs	SLA	10	PERSIAN/PASHTO	ME	BBC	17770	0600-0657	smtwtfs	KIG	280	RFI FRENCH	C AF	RFI
15420	0800-0900	.....f.	SLA	10	PASHTO	SW AS	BBC	17780	1200-1230	smtwtfs	ASC	27	FRENCH	W AF	BBC
15420	0845-0900	.....t.	SLA	10	PERSIAN	ME	BBC	17780	1230-1245	smtwtfs	ASC	27	BBC ENGLISH (FRENCH)	W AF	BBC
15420	0900-1000	.....f.	SLA	10	PERSIAN	ME	BBC	17790	0000-0300	smtwtfs	SNG	315	ENGLISH (ASS)	S AS	BBC
15420	1000-1100	smtwtfs	SLA	10	PERSIAN	ME	BBC	17790	0300-0700	smtwtfs	NAK	280	ENGLISH (ASS)	S AS	BBC
15420	1100-1200	smtwtfs	SLA	35	PASHTO	SW AS	BBC	17790	0700-1600	smtwtfs	SLA	63	ENGLISH (ASS)	S AS	BBC
15420	1200-1300	smtwtfs	SLA	35	PERSIAN/PASHTO	ME	BBC	17790	1100-1130	smtwtfs	ASC	245	ENGLISH (AME)	S AM	BBC
15420	1300-1400	smtwtfs	SEY	280	ENGLISH (AFE)	E AF	BBC	17790	1600-1700	smtwtfs	RMP	85	ENGLISH (ASS)	SW AS	BBC
15420	1400-1415	.mtw...s	SEY	295	BBC ENGLISH (SOMALI)	E AF	BBC	17810	1345-1415	smtwtfs	ASC	55	HAUSA	W AF	BBC
15420	1400-1415	.....f.	SEY	295	SOMALI	E AF	BBC	17810	1730-1745	.mtwtf.	ASC	65	UN RADIO	W C AF	UNR
15420	1415-1500	smtwtfs	SEY	295	SOMALI	E AF	BBC	17815	1200-1230	smtwtfs	ASC	27	RFI ENGLISH	W AF	RFI
15420	1500-1530	smtwtfs	SEY	280	ENGLISH (AFE)	E AF	BBC	17820	1400-1500	smtwtfs	RMP	115	NHK EXTRA	ME	NHK
15420	1530-1615	smtwtfs	SEY	280	SWAHILI	E AF	BBC	17830	0800-1000	smtwtfs	ASC	65	ENGLISH (AFW)	W C AF	BBC
15420	1615-1630	.mtwtf.	SEY	280	SWAHILI	E AF	BBC	17830	1000-1100	s.....s	ASC	65	ENGLISH (AFW)	W C AF	BBC
15420	1615-1630	s.....s	SEY	280	ENGLISH (AFE)	E AF	BBC	17830	1100-2100	smtwtfs	ASC	65	ENGLISH (AFW)	W C AF	BBC
15420	1630-1700	smtwtfs	SEY	280	ENGLISH (AFE)	E AF	BBC	17845	1230-1330	smtwtfs	ASC	85	NHK FRENCH	AF	NHK
15420	1700-1900	smtwtfs	MEY	19	ENGLISH (AFE)	S AF	BBC	17850	1100-1130	smtwtfs	SEY	295	SOMALI	E AF	BBC
15425	0600-0629	smtwtfs	CYP	280	FRENCH	N AF	BBC	17860	1700-1715	.mtwtf.	RMP	115	BIBLE VOICE	ME	MNO
15425	1200-1230	smtwtfs	WOF	170	FRENCH	N AF	BBC	17865	0500-0530	smtwtfs	SNG	13	ABC KHMER	SE AS	ABC
15425	1230-1245	smtwtfs	WOF	170	BBC ENGLISH (FRENCH)	N AF	BBC	17865	0530-0600	smtwtfs	SNG	13	ABC VIETNAMESE	SE AS	ABC
15435	1100-1400	smtwtfs	DHA	75	RFA TIBETAN	TIB	IBB	17870	0700-0730	.....f.	CYP	50	PASHTO	W AS	BBC
15445	0100-0200	.....s	TAI	250	AWR VIETNAMESE	SE AS	AWR	17870	0700-0800	.....t.	CYP	50	PERSIAN	ME	BBC
15450	1800-1830	smtwtfs	WOF	126	SOMALI	E AF	BBC	17870	0730-0800	mtw.f.s	CYP	50	PASHTO	W AS	BBC
15470	1500-1530	smtwtfs	WOF	82	UKRAINIAN	UKR	BBC	17870	0800-0845	smtwtfs	CYP	50	PERSIAN/PASHTO	ME	BBC
15485	0700-1700	smtwtfs	SKN	180	ENGLISH (EUR)	W EUR	BBC	17870	0800-0900	.....f.	CYP	50	PASHTO	W AS	BBC
15495	1700-1715	.mtwtf.	SKN	180	UN RADIO	N UR	UNR	17870	0845-0900	.....t.	CYP	50	PERSIAN	ME	BBC
15495	1730-1745	.mtwtf.	SKN	125	UN RADIO	ME	UNR	17870	0900-1000	.....f.	CYP	50	PERSIAN	ME	BBC
15510	0100-0130	smtwtfs	NAK	305	HINDI	S AS	BBC	17870	1000-1100	smtwtfs	CYP	50	PERSIAN	ME	BBC
15510	0130-0200	smtwtfs	NAK	305	URDU	S AS	BBC	17870	1100-1200	smtwtfs	CYP	50	PASHTO	W AS	BBC
15510	0230-0300	smtwtfs	IRK	224	HINDI	S AS	BBC	17870	1200-1300	smtwtfs	CYP	50	PERSIAN/PASHTO	ME	BBC
15520	1400-1500	smtwtfs	DHA	85	YFR HINDI	S AS	YFR	17870	1400-1500	smtwtfs	CYP	50	PERSIAN	ME	BBC
15520	1500-1700	smtwtfs	DHA	85	YFR ENGLISH	S AS	YFR	17875	1200-1230	smtwtfs	ASC	245	VOA SPANISH	L AM	IBB
15520	1700-1730	smtwtfs	DHA	225	AWR AFAR	E AF	AWR	17885	0430-0500	smtwtfs	SEY	240	FRENCH	E AF	BBC
15520	1730-1800	smtwtfs	DHA	225	AWR OROMINYA	E AF	AWR	17885	0500-0529	smtwtfs	SEY	270	ENGLISH (AFE)	E AF	BBC
15525	0400-0530	smtwtfs	SAM	188	FEBE ARABIC	ME	FEB	17885	0529-0559	.mtwtf.	SEY	270	ENGLISH (AFE)	E AF	BBC
15530	1500-1700	smtwtfs	SKN	150	EDUCATIONAL DEVT CNC	EAF	MNO	17885	0529-0559	s.....s	SEY	270	GREAT LAKES	E AF	BBC
15540	1500-1530	smtwtfs	SNG	315	NEPALI	S AS	BBC	17885	0559-0600	smtwtfs	SEY	270	ENGLISH (AFE)	E AF	BBC
15540	1530-1545	smtwtfs	SNG	315	BBC ENGLISH (LD)	S AS	BBC	17885	0600-0800	s.....s	SEY	270	ENGLISH (AFE)	E AF	BBC
15540	1600-2000	smtwtfs	SNG	315	PERSIAN	ME	BBC	17885	0800-1100	smtwtfs	SEY	270	ENGLISH (AFE)	E AF	BBC
15550	1400-1500	smtwtfs	TAI	250	AWR VIETNAMESE	SE AS	AWR	17885	1100-1200	smtwtfs	CYP	175	ENGLISH (AFE)	E AF	BBC
15555	0900-1630	smtwtfs	CYP	150	ARABIC	ME	BBC	17885	1200-1400	smtwtfs	SEY	270	ENGLISH (AFE)	E AF	BBC
15565	0500-0700	smtwtfs	CYP	359	ENGLISH (MEF)	N EUR	BBC	17885	1800-1830	smtwtfs	ASC	27	FRENCH	W AF	BBC
15565	0700-1800	smtwtfs	RMP	62	ENGLISH (MEF)	RUSS	BBC	17885	1915-1930	smtwtfs	ASC	27	BBC ENGLISH (AFR)	W AF	BBC
15575	0300-0500	smtwtfs	SLA	20	ENGLISH (MEF)	ME	BBC	17885	1930-2000	smtwtfs	ASC	55	HAUSA	W AF	BBC
15575	0500-0730	smtwtfs	DHA	315	ENGLISH (MEF)	ME	BBC	17885	2000-2100	smtwtfs	ASC	55	VOA ENGLISH AFRICA	AF	IBB
15575	0730-0900	s.....s	DHA	315	ENGLISH (MEF)	ME	BBC	21455	0900-1130	smtwtfs	MOS	115	ARABIC	ME	BBC
15575	0900-1200	smtwtfs	DHA	315	ENGLISH (MEF)	ME	BBC	21460	0900-1000	s.....s	DHA	225	UNMEE	E AF	MNO
15575	1200-1500	smtwtfs	CYP	117	ENGLISH (MEF)	ME	BBC	21470	0800-1300	smtwtfs	SEY	240	ENGLISH (AFE)	S AF	BBC
15575	1500-1600	smtwtfs	CYP	50	PASHTO	W AS	BBC	21470	1300-1900	smtwtfs	ASC	114	ENGLISH (AFE)	S AF	BBC
15665	1800-1900	.t.t.s	SHB	25	HERALD CC RUSSIAN	CAN,EU	SHB	21490	1400-1415	.mtw...s	RMP	125	BBC ENGLISH (SOMALI)	E AF	BBC
15665	1800-1900	.m.w.f.	SHB	25	HERALD CC GERMAN	CAN,EU	SHB	21490	1400-1415	.....f.	RMP	125	SOMALI	E AF	BBC
15665	1800-2000	s.....s	SHB	25	HERALD CC ENGLISH	CAN,EU	SHB	21490	1415-1500	smtwtfs	RMP	125	SOMALI	E AF	BBC
15665	1900-2000	.m.w.f.	SHB	25	HERALD CC RUSSIAN	CAN,EU	SHB	21490	1500-1530	smtwtfs	MEY	7	ENGLISH (AFE)	S AF	BBC
15665	1900-2000	.....s	SHB	25	HERALD CC GERMAN	CAN,EU	SHB	21490	1530-1615	smtwtfs	MEY	7	SWAHILI	E AF	BBC
15665	2000-2100	.t.t.s	SHB	87	HERALD CC FRENCH	AF	SHB	21490	1615-1630	.mtwtf.	MEY	7	SWAHILI	E AF	BBC
15665	2000-2100	.m.w.f.	SHB	87	HERALD CC ENGLISH	AF	SHB	21490	1615-1700	s.....s	MEY	7	ENGLISH (AFE)	S AF	BBC
15665	2100-2200	.....f.	SHB	87	HERALD CC ENGLISH	AF	SHB	21490	1630-1700	.mtwtf.	MEY	7	GREAT LAKES	E AF	BBC
15665	2100-2200	smtwtfs	SHB	87	HERALD CC FRENCH	AF	SHB	21515	1000-1100	smtwtfs	SKN	95	PERSIAN	ME	BBC
17505	1700-1800	.m.....	SHB	87	HERALD CC PORTUGUESE	AF	SHB	21515	1100-1300	.....f.	SKN	95	PERSIAN	ME	BBC
17505	1700-1800	.t.t.s	SHB	87	HERALD CC ENGLISH	AF	SHB	21535	1700-1715	.mtwtf.	MEY	342	UN RADIO	S C AF	UNR
17505	1700-1800	s.w.f.	SHB	87	HERALD CC FRENCH	AF	SHB	21550	1030-1130	.t....	DHA	225	UNMEE	E AF	MNO
17505	1800-1900	.mt.tfs	SHB	102	HERALD CC PORTUGUESE	AF	SHB	21590	1100-1130	smtwtfs	DHA	205	SOMALI	E AF	BBC
17505	1800-1900	s.w....	SHB	102	HERALD CC ENGLISH	AF	SHB	21615	0000-0030	smtwtfs	TIN	255	ABC INDONESIA	SE AS	ABC
17505	1900-2000	smtwtfs	SHB	102	HERALD CC ENGLISH	AF	SHB	21630	1100-1157	s.....s	MEY	355	VRT FLEMISH	AF	VRT
17580	1630-1700	smtwtfs	ASC	85	VOA SWAHILI	E AF	IBB	21630	1157-1226	smtwtfs	MEY	355	VRT FLEMISH	AF	VRT
17580	1700-1730	.mtwtf.	ASC	85	VOA SWAHILI	E AF	IBB	21630	1500-1600	smtwtfs	ASC	85	NHK JAPANESE	AF	NHK
17585	1000-1100	smtwtfs	DHA	315	NHK ENGLISH	SE EUR	NHK	21630	1600-1700	smtwtfs	ASC	85	NHK ENGLISH	AF	NHK
17585	1100-1500	smtwtfs	SKN	150	ARABIC	N AF	BBC	21630	1800-1830	smtwtfs	ASC	70	FRENCH	W C AF	BBC
17585	1500-1630	smtwtfs	WOF	158	ARABIC	N AF	BBC	21630	1830-1900	smtwtfs	ASC	85	RTE	W AF	RTE
17595	1630-1700	smtwtfs	DHA	225	AWR SOMALI	E AF	AWR	21640	1200-1230	smtwtfs	ASC	85	FRENCH	W C AF	BBC
17595	1700-1730	smtwtfs	DHA	225	AWR AMHARIC	E AF	AWR	21640	1230-1245	smtwtfs	ASC	85	BBC ENGLISH (FRENCH)	W C AF	BBC
17595	1730-1800	smtwtfs	DHA	225	AWR TIGRINYA	E AF	AWR	21640	1330-1345	smtwtfs	ASC	65	BBC ENGLISH (HAUSA)	W AF	BBC
17605	1400-1500	smtwtfs	RMP	92	RFE RL AZERBAIJANI	CAU	IBB	21640	1345-1415	smtwtfs	ASC	65	HAUSA	W AF	BBC
17610	0730-1100	smtwtfs	SKN	150	ARABIC	N AF	BBC	21650	1200-1250	smtwtfs	DHA	105	DW INDONESIA	SE AS	DWL
17615	0000-0030	smtwtfs	NAK	25	ENGLISH (ASE)	FE	BBC	21660	0300-0500	smtwtfs	NAK	45	ENGLISH (ASE)	FE	BBC
17615	0030-0100	smtwtfs	NAK	25	BBC ENGLISH (LD)	FE	BBC	21660	0500-0800	smtwtfs	SNG	40	ENGLISH (ASE)	FE	BBC
17615															

Inc. (relay also via WHRA and KWHR). Address: PO Box 12, South Bend, Indiana 46624, USA. Fax +1-219-291-9043. Web <http://www.whri.com/> and E-mail: <whri@lesea.com>. Maybe or not the valid schedule, cause no date and/or version information given at their webpage:

WHRI-Angel 1 (CAm, SAm)	0400-0800 17780
0000-1000 7315	0800-1700 9930
1000-1300 9495	2200-0400 17510
1300-1800 15105	KWHR-Angel 4 (AUS)
1800-0000 9495	0700-1045 (Mo/Fr) 11565
WHRI-Angel 2 (NAm, Eu, NAs)	0700-1300 (Sa/Su) 11565
1000-1600 9840	WHRA-Angel 5 (Af, NE)
1600-2000 13760	1300-1600 17560
2000-1000 5745	1600-2300 17650
KWHR-Angel 3 (EAs, SEAsia)	2300-1000 7580

(WHRI webpages; via JKB, 20 Nov 2003)

World Wide Christian Radio - WWCR has four 100 kW state-of-the-art transmitters which serve the world on 10 different broadcasting channels. Together our transmitters provide over 400 religious and talk programs direct from Nashville, Tennessee to a global audience. WWCR (Nashville) B03 schedule:

kHz	TIME (UTC)	DATE			
<u>Transmitter #1 - 100 KW - 46 Degrees</u>			5935	0100-1300	01 Mar 04-30 Mar 04
9475	1000-1100	01 Dec 03-28 Feb 04	<u>Transmitter #3 - 100 KW - 40 Degrees</u>		
15825	1100-2100	01 Dec 03-28 Feb 04	12160	1300-2200	01 Dec 03-28 Feb 04
9475	2100-2300	01 Dec 03-28 Feb 04	5070	2200-1300	01 Dec 03-28 Feb 04
3210	2300-1000	01 Dec 03-28 Feb 04	12160	1300-2300	01 Mar 04-30 Mar 04
9475	1000-1100	01 Mar 04-30 Mar 04	5070	2300-1300	01 Mar 04-30 Mar 04
15825	1100-2200	01 Mar 04-30 Mar 04	<u>Transmitter #4 - 100 KW - 90 Degrees</u>		
9475	2200-0000	01 Mar 04-30 Mar 04	9475	1400-2100	01 Dec 03-28 Feb 04
3210	0000-1000	01 Mar 04-30 Mar 04	7465	2100-0500	01 Dec 03-28 Feb 04
<u>Transmitter #2 - 100 KW - 85 Degrees</u>			7560	0500-1400	01 Dec 03-28 Feb 04
13845	1400-0000	01 Dec 03-28 Feb 04	9475	1400-2200	01 Mar 04-30 Mar 04
5935	0000-1400	01 Dec 03-28 Feb 04	7465	2200-0500	01 Mar 04-30 Mar 04
13845	1300-0100	01 Mar 04-30 Mar 04	7560	0500-1400	01 Mar 04-30 Mar 04

(WWCR schedule at the web, revision 11 November 2003, via JKB)

B03 frequencies for all **World Harvest Radio** transmitters.

<u>WHRI-Angel 1 (CAm, SAm)</u>	0400-0800 17780
0000-1000 7315	0800-1700 9930
1000-1300 9495	2200-0400 17510
1300-1800 15105	<u>KWHR-Angel 4 (AUS)</u>
1800-0000 9495	0700-1045 (Mo/Fr) 11565
<u>WHRI-Angel 2 (NAm, Eu, NAs)</u>	0700-1300 (Sa/Su) 11565
1000-1600 9840	<u>WHRA-Angel 5 (Af, NE)</u>
1600-2000 13760	1300-1600 17560
2000-1000 5745	1600-2300 17650
<u>KWHR-Angel 3 (EAs, SEAsia)</u>	2300-1000 7580

(WHRI webpages, no date & version information given; via JKB, 20 Nov 2003)

Latest AM X-band listing and a list of all U.S. AM stations you can get from the Internet at <<http://www.fcc.gov/mb/audio/amq.html>> by query. (JKB, Nov 2003)

WSHB Herald Broadcasting Syndicate B03 Shortwave Frequency Program Schedule (valid 10/26/03 to 03/27/04. Transmitter location is Cypress Creek, a small community in Hampton County, South Carolina (032.41.02N 081.07.51W). WSHB began construction in December, 1987. It began broadcasting on March 27, 1989. WSHB has a 19000 SF building on 360 acres, and operates three 750-KW generators in peak load shaving with its power supplier. The station employs 9 people. WSHB uses two Brown Boveri 500KW SK 55 C3-2P Short-wave transmitters with six antennas.

UTC	Freq	Region	Freq	Region
0000	7535	Ea No Am/Carib	9430	Cent & So America
0100	7535	Cent No America	9430	Cent & So America
0200	7535	W&C No America	9430	Mexico
0300	7535	Russia	5850	Russia
0400	7535	Ea Eur/Russ	12020	East & Cent Africa
0500	7535	Central Europe	12020	South Africa

0600	7535	West & Cent Afr		
0700	7535	West & Cent Afr	9845	Australia / New Zealand
*0800	7535	Europe	9845	Australia / New Zealand
*0900	7535	Europe	9455	Brazil/So America
*1000	6095	Ea No Am/Carib	9455	South America
*1100	6095	Ea No Am/Carib	9455	Cent & So America
*1200	9430	Ea No Am/Carib	9455	Cent & So America
*1300	9430	No America	9455	Mexico
1600			17665	East Africa
1700			17505	Central Africa
1800	15665	Europe	17505	South Africa
1900	15665	Europe	17505	South Africa
2000	11650	Europe	15665	East & Cent Afr
2100	11650	Europe	15665	West & Cent Afr
2200	7510	West Europe	15285	Brazil
2300	7510	So Europe/W Afr	15285	South America

* = Broadcasts on Friday, Saturday, and Sunday Only
 (WSHB schedule at the web last updated: 2003 September 24, via JKB)

B03 schedule of *Adventist World Radio - AWR* changed. According to their schedule at the web, last updated 03 December 2003, please keep last schedule published in DXM up-to-date:

To South Southern Asia:
 English 0200-0230 7230 Moosbrunn, Austria DELETE THIS ENTRY.
 Urdu 0200(ex0230)-0300 7230 Moosbrunn, Austria CHANGE THIS ENTRY.
 To North Northern Asia (Japan):
 English 1330-1400 11980(ex 11755) Agat, Guam CHANGE THIS ENTRY.
 To Central Northern Asia (China, Taiwan):
 Mongolian 1030-1100 11900 Agat, Guam ADD THIS NEW ENTRY.
 (AWR schedule at web last-updated 3 Dec 2003, via JKB)

Sources & Contributors:

Alokesh Gupta	New Delhi - India.
AS	Andrew Sennit - WRTH.
DXLD	Glenn Hauser's DX LISTENING DIGEST - USA.
JKB	Dr. Juergen Kubiak, Berlin - Germany.
OBSERVER	Fortnightly edition of Radio Bulgaria's Frequency Management.
RNMN	R. Netherlands Media Network ©.
WB	Wolfgang W. Bueschel, Stuttgart - Germany.
WDXC-HQ	WDXC Headquarter, Michael Bethge - Germany.

Abbreviations: (see *DX MAGAZINE 11/2003*)

Dr. Juergen Kubiak ● Goltzstr. 19 ● D-10781 Berlin ● GERMANY
 email:
Internet j.kubiak@gmx.net or j.kubiak@web.de
Fidonet (To: Juergen Kubiak) 2:2410/301.20
 Web Page: <http://surf.to/Dr.Kubi> (V3)
<http://home.snafu.de/j.kubiak/>



Now when you read these lines, the year 2003 will end soon. So it is time to wish all the readers of the news section a Merry Christmas and a Happy New Year. Thanks to all of you for sending in your contributions to me. Special thanks for sending me such a lot of news material via email to OM Michael Bethge and Wolfgang Bueschel.

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DX LOGBOOK

Logs around the clock

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LONG & MEDIUMWAVE BANDS

Frequ.	UTC	SIO	ITU	Radio Station	Language	Programme Details	Date	Rep.
630.0	0115	444	TUN	ERTT, Tunisia	Arabic	Folk Program	1011	MF
657.0	0500	444	ISR	KOL, Israel	Hebrew	Histrionics	1211	MF
837.0	1950	433	TUR	TRT	Turkish	News from Turkey	0911	MF
873.0	0320	222	G	BBC Radio, Norfolk West Lynn	English	News from Norfolk	1711	MF
999.0	0015	222	G	BBC Radio Fareham	English	News, Events	1711	MF
1053.0	0450	444	G	Talk Radio Domfries	English	WWF	1311	MF
1107.0	2045	322	G	Murray firth Radio	English	News from Inverness	0911	MF
1278.0	0305	222	G	Classic Gold, Bradford	English	Local Program	1011	MF
1296.0	0500	322	G	XL Radio	English	Fire in workhouse in Amber Street	1411	MF
1503.0	0415	433	G	BBC Radio Stoke on Trent	English	Sports Interview	1111	MF
1521.0	2115	433	ARS	BSKSA	Arabic	ID, Iraq & Iran program	0911	MF
1530.0	0310	222	G	Classic Gold, Worcester	English	ID, Pop music	1011	MF

TROPICAL BANDS

Frequ.	UTC	SIO	ITU	Radio Station	Language	Programme Details	Date	Rep.
3345.0	0300	221	AFS	Channel Africa	English	ID, News, Sports	1411	RAD
3340.0	0310	221	HND	Radio Misiones Intl.,	Spanish	Talks, musical selections	1411	RAD
4386.6	0948	222	PRU	Radio Imperio	Spanish	Religious talks in live audience	1611	RAD
4845.0	0210	433	MTN	Radio Mauritania	Arabic	Talks and ID	2710	RAD
4902.0	0210	332	BOL	Radio San Miguel	Spanish	Ann., ID, Rustic vocals	1611	RAD
4985.0	0132	0132	B	Radio Brasil Central	Portuguese	Pop music, Talks, Ads & ID	1810	RAD
5030.0	2225	322	BFA	RTV Burkina	French	Talks, Highlife & Tribal music, ID	1910	RAD

SHORTWAVE BANDS

Frequ.	UTC	SIO	ITU	Radio Station	Language	Programme Details	Date	Rep.
5500.0	0355	222	ETH	Voice of Tigrey Revolution	Amharic	Music, ID, News	2910	RAD
5775.0	2153	221	ITA	European Music Radio via IRRS	English	Pop music and talks	2410	RAD
5825.0	0355	553	USA	WEWN	English	Encore EWTN Live	0611	RL
5885.0	1720	222	ARM	TWR	English	Capitalism in Russia	0211	MF
5930.0	0400	443	RUS	Radio Rossii, Murmansk	Russian	News from Russia & the Region	0511	MF

5950.0	0315	332	YEM	Yemen Radio & TV Corp., Saana	Arabic	News from Horn of Africa	2310	MF
5950.0	0215	444	USA	Radio Taipei Intl., via Okeechobee	English	Newstalk Ties with Kiribati	1511	AKB
5960.0	1730	554	MDA	Radio Pridnestrovie	???	Grioriopol Music	1411	WB
5995.0	1607	453	AUS	Radio Australia	English	Bush Telegraph	0711	RL
6000.0	0415	422	SNG	Radio Singapore	English	Co-operation with ABC	2910	MF
6030.0	0710	221	D	Sudestrundgunk	German	Pop & Rock music program	1011	RAD
6035.0	0515	222	EQA	HCJB	English	News on Iraq	0311	MF
6035.0	0400	443	AFS	RFI	French	SA Football	2210	MF
6049.0	0500	322	NIG	FRCN,Kaduna	Hausa	Tremor in Bangui Kundo	2710	MF
6085.0	0220	444	OMA	Radio Oman	Arabic	Hit Songs	2910	MF
6105.0	0230	444	OMA	BBC	Arabic	Program on Israel	2910	MF
6150.0	0250	544	IRN	IRIB	Urdu	Songs about Peace Justice & Allah	2910	MF
7125.0	2320	333	ZAI	Radio Okapi/Radio Freedom	French	ID,Political Talks with music	2610	MF
7185.0	2045	544	UZB	Radio Tashkent	English	UNESCO Meeting	2610	MF
7215.0	0340	433	AFS	TWR	Sidemo	Program	3010	MF
7240.0	0300	433	SWZ	TWR	Swahili	Program	2310	MF
7305.0	0300	443	CVA	Vatican Radio	English	At the Vatican	0911	RL
7320.0	0038	443	LTU	Radio Vilinius	English	Scandal	0711	RL
7325.0	0150	543	AUT	Radio Aiestria Intl.,	English	Insight Central Europe & Postbox	0911	RL
7344.0	0217	453	CZE	Radio Prague	English	One on One	0511	RL
7385.0	0329	333	USA	Voice of NASB via WRMI	English	Weekly Special Program	0211	RAD
7400.0	0330	433	BUL	Radio Bulgaria	English	Program & Winter Schedule QRM is 7405	0711	RL
9400.0	0344	553	BUL	Radio Bulgaria	English	The way we live	0611	RL
9495.0	0258	553	CAN	Radio Sweden via Sackville relay	English	60 degrees North	0711	RL
9535.0	1957	353	THA	Radio Thailand	English	Signature Tune	0711	RL
9550.0	2354	553	CUB	Radio Habana	English	Caribbean Hour Show	0311	RL
9560.0	0220	553	CAN	Radio Korea Intl.,	English	World wide Friendship	0911	RL
9580.0	1305	433	AUS	Radio Australia	English	News Rugby World Cup	1611	AKB
9590.0	0458	543	NLA	Radio Vlaanderen Intl.,	English	Radio World CD Tourism & Brussels 1043	1011	RL
9655.0	2324	533	TUR	Voice of Turkey	English	The Stream of Love & Turkish art	0811	RL
9675.0	0725	232	B	Radio Cancao Nova	Portugese	Lovely music	1911	WB
9790.0	0320	443	CAN	RKI	French	Demonstration in US	2010	MF
9875.0	2358	533	LTU	Radio Vilinius	English	Office space	0611	RL
11640.0	1215	321	TJK	Voice of Tibet via Dushanbe	Tibetian	Program jammed by China	1411	WB
11660.0	2330	453	SUI	Swiss Radio Intl.,	English	Swiss Info	0711	RL
11730.0	2217	453	NLA	Radio Vlaanderen Intl.,	English	Flanders Today	0311	RL
11735.0	2335	322	THA	VOA via Udon Thani	English	Special English News Items	0711	RAD
11805.1	0710	232	GEO	Georgian Radio & TV	German	Program	1911	WB
11815.0	0720	333	B	Radio Brasil Central, Goiania	Portugese	ID and lovely music	1911	WB
11830.0	2330	322	B	Radio Anhangueria	Portugese	Jingles,ID, Soccer Match	0611	RAD
13780.0	0550	111	THA	Radio Thailand	English	Political Commentary	1911	WB
13820.0	0705	343	CHN	China Radio Intl., Urumchi	German	News	1911	WB
15065.0	1350	222	PAK	Radio Pakistan	Urdu	Talks and vocals,ID,News	1810	RAD

15084.0	0635	433	IRN	IRIB,Kamalabad	Italian	US Iraq Problem	1911	WB
15100.0	0610	232	PAK	Radio Pakistan, Islamabad	Urdu	Holy koran Prayers	1911	WB
15115.0	1230	444	EQA	HCJB, Quito	English	DX Partyline	0612	AKB
15190.0	1425	433	ATG	BBC World Service	English	Phone in on AIDS with Botswana Head	3011	AKB
15235.0	0602	443	IRN	IRIB,Kamalabad	Bosnian	US occupation of Iraq	1911	WB
15320.0	0558	433	IRN	IRIB,Kamalabad	Spanish	Argentine Menem	1911	WB
15335.0	1400	555	MRC	Radio TV Marocaine	Arabic	Morrocon Folklore	2610	MF
15360.0	1520	443	PHL	Radio Veritas Asia	English	You are nobody in eyes of God	2610	MF
15340.0	0620	232	NZL	Radio New Zealand Intl., Rangitaiki	English	School Report	1911	WB
15545.0	0605	444	IRN	IRIB,Mashad	Arabic	Interview	1911	WB
15645.0	1250	222	TJK	Voice of Tibet via Dushanbe	Tibetan	Program	2211	WB
15650.0	1455	322	D	Pan American Broadcasting	English	Various Religious Programs	1910	RAD
15785.0	0630	232	ISR	Galei Zahal	Hebrew	Advertisements	1911	WB
15825.0	2001	553	USA	WWCR	English	Midnight Cry	0611	RL
17590.0	0557	433	IRN	IRIB, Kamalabad	Spanish	Iran-Argentine-Swiss Contact	1911	WB
17650.0	2158	452	USA	WHRA, Greenbush, Maine	English	Listen to Jesus	0511	RL
17675.0	0325	453	NZL	Radio New Zealand	English	Dateline Pacific, Mailb0x	0411	RL
17680.0	0554	444	IRN	IRIB, Sirjan	Bosnian	Iraq Crisis	1911	WB
17830.0	2000	453	ASC	BBC World Service	English	Playground & BBC News	0511	RL
17835.0	2235	222	SLV	Radio Imperial	Spanish	Talks, vocals, ID & Music	2410	RAD
17840.0	1857	453	USA	WEWN	English	Catholic Jutebox	0511	RL
21545.0	1245	222	UZB	Voice of Tibet via Tashkent	Tibetan	Program jammed by China	2211	WB
21590.0	1445	333	USA	Brother Stair	English	Religious Program	3011	AKB

Thanks a lot to our club members for your contributions:

AKB : Ashok Kumar Bose, Mississauga, Ontario, Canada. SIEMENS RK 759 Digital Radio with 10 metres long wire.
 MF : Michael Frese, Osnabrueck, Germany. SONY ICF SW 7600G with Telescopic antenna & Frame antenna for Medium Wave logs.
 RAD : Richard A. D'Angelo, Wyomissing, USA. French Creek Dxpediton Ten-Tec RX-340 Drake R-8B with very long wires & Datong FL3
 RL : Richard Lemke, St Albert, Alberta, Canada. JRC NRD-535 HF with random long wires
 WB : Wolfgang Bueschel, Stuttgart, Germany. AOR AR 7030, SONY ICF 2010, Kenwood R-1000, Drake SPR-4 with 12 metres long wire

Dear Friends,

Thanks to all our Club members this year for supporting this column by their contributions. Keep up the good work.

Time seems to fly. Already three years have elapsed since I took over being editor of Logbook in December 2000. But it seems only yesterday.

With the festive season around the corner it is also time to bid adeau to 2003.

Wishing you all a **Merry Christmas** and a very **Happy New Year 2004**.

Till next issue it's 73's from your Editor,

Ashok Kumar Bose

SWL / Media Programs in English, German & Spanish

Oct. 26th 2003 — March 27th, 2004 — V02 As of Nov. 20th, 2003

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DX & Media news, receiver reviews, radio features, letterbox programmes, tuning tips, propagation, satellites, computers, amateur radio and radio theory.

2nd Figures behind language symbols E, G or Sp, indicate weeks of the month. Times and days in UTC.
STL — Satellite transmission.

Monday

- 0008 RNW Radio Enlace, Sp — 9895 15315
STL TelStar V AM
- 0205 RCI Montreal, E, Maple Leaf Mailbag / CIDX report —
6040 9755 11725 STL Hotbird No&LatAM
STL WRN1 Afristar, Asiastar, WorldSpace AF / ME /
AS / PAC / WRN1 TelStar-12 SoAM
- 0205 RCI Montreal, E, Maple Leaf Mailbag / CIDX report —
15150 17860 SoAS STL Hotbird EUR
- 0208 RNW Radio Enlace, Sp — 6165 9845 9895
- 0300 KWHR Naalehu Hawaii, E, DXwCumbre — 17510
- 0305 DW Cologne, G, except **1st**
- 0330 WRMI Miami (AWR Wavescan), E — 7385
- 0430 WHRI South Bend, E, DXwCumbre — 7315
- 0456 RNW Radio Enlace, Sp — STL TelStar V AM
- 0500 RVI Brussels via Bonaire, E — 9590 STL
- 0515 WBCQ, E, World of Radio — 5105usb 7415usb
- 0630 RNW Radio Enlace, Sp — STL TelStar V AM
- 0800 RVI Brussels, E — 1512 5965 STL
- 0830 Radio NZL Internat., E, alternate weeks — 11675
- 1130 Radio NZL Internat., E, alternate weeks — 15530
- 1330 Radio NZL Internat., E, alternate weeks — 6095
- 1530 Radio NZL Internat., E, alternate weeks — 6095
- 1900 Amateur Radio Mirror, Channel Africa, E — 3215 7082usb
- 2025 REE Madrid, E — 9595 9680 EUR / AF
- 2050 Radio Budapest, G — 3975 6025
- 2130 RCI Montreal, E, Media Zone —
5850 7235 7425 9770 9805 11835 13650
STL Hotbird
STL WRN1 Afristar, Asiastar, WorldSpace AF / ME /
AS / PAC / WRN1 TelStar-12 SoAM
- 2130 RAE Buenos Aires, G — 9690 15345
- 2200 RCI Montreal, E, Media Zone — WRN1 TelStar-V NoAM

Tuesday

- 0030 R Budapest, G —
STL WRN2 Euromax Astra/Hotbird / WRN2 Afristar AF
- 0230 RCI Montreal, E, Media Zone —
6040 9755 11725 STL Hotbird No&LatAM
STL WRN1 Afristar, Asiastar, WorldSpace AF / ME /
AS / PAC / WRN1 TelStar-12 SoAM
- 0230 RCI Montreal, E, Media Zone —
15150 17860 SoAS STL Hotbird EUR
- 0330 Radio NZL Internat., E, alternate weeks — 17675
- 0420 R Budapest, G —
STL WRN2 Euromax Astra/Hotbird / WRN2 Afristar AF
- 0820 R Budapest, G —
STL WRN2 Euromax Astra/Hotbird / WRN2 Afristar AF

- 1030 WWCR Nashville, E, DX Party Line — 9475
- 1420 R Budapest, G —
STL WRN2 Euromax Astra/Hotbird / WRN2 Afristar AF
- 1825 Radio Polonia Warsaw, E — 5995 7285 WRN STL EUR
WRN1 TelStar-12 SoAM
- 1850 Radio Budapest, G — 3975 6025
- 1900 Voice of Russia Moscow, G —
603 1215 1323 1386 6145 7300
- 1900 Radio Cairo, G — 9985
- 1940 Radio Tashkent, G **1st 3rd** — 5025 7185 11905
- 2000 Radio Bulgaria Sofia, G — 5800 7500 EUR
- 2055 Radio Polonia Warsaw, E — STL EUR
- 2105 RHC Habana, E — 9505 11760 [11670?]
- 2130 RCI Montreal, E, Maple Leaf Mailbag / CIDX report —
5850 7325 7425 9770 9805 11835 13650 STL Hotbird
STL WRN1 Afristar, Asiastar, WorldSpace AF / ME /
AS / PAC / WRN1 TelStar-12 SoAM
- 2130 RAE Buenos Aires, G — 9690 15345
- 2208 RCI Montreal, E, Maple Leaf Mailbag / CIDX report —
STL WRN WorldSpace NoAM
WRN1 TelStar-V NoAM
STL WRN1 Siriusstar NoAM
- 2238 RCI Montreal, E, Maple Leaf Mailbag / CIDX report —
WRN1 TelStar-V NoAM
STL WRN1 Siriusstar NoAM
- 2230 WWCR Nashville, Sp, Mundo Radial — 9475
- 2305 RHC Habana, E — 9550 [6195]

Wednesday

- 0030 R Budapest, G —
STL WRN2 Euromax Astra/Hotbird / WRN2 Afristar AF
- 0135 RHC Habana, E — 6000 9820
- 0230 RCI Montreal, E, Maple Leaf Mailbag / CIDX report —
6040 9755 11725 STL Hotbird No&LatAM
- 0230 RCI Montreal, E, Maple Leaf Mailbag / CIDX report —
15150 17860 SoAS STL Hotbird EUR
- 0335 RHC Habana, E — 6000 9820
- 0400 Radio Polonia Warsaw, E — WRN1 TelStar-V NoAM
WRN1 TelStar-12 SoAM
- 0420 R Budapest, G, fortnightly —
STL WRN2 Euromax Astra/Hotbird / WRN2 Afristar AF
- 0535 RHC Habana, E — 9550 9820 [11760?]
- 0600 Radio Polonia Warsaw, E — STL WRN1 EUR/ME/AF
Euromax Astra/Hotbird
Afristar NE/AF / Asiasat/Asiastar AS
- 0820 R Budapest, G, fortnightly —
STL WRN2 Euromax Astra/Hotbird / WRN2 Afristar AF
- 1030 WWCR Nashville, E, World of Radio — 9475
- 1100 Voice of Russia Moscow, G — 603 1323 1386
- 1130 Radio Bulgaria Sofia, G — 11700 15700 EUR
- 1420 R Budapest, G, fortnightly —
STL WRN2 Euromax Astra/Hotbird / WRN2 Afristar AF
- 1730 RCI Montreal, E, Maple Leaf Mailbag / CIDX report —
STL Hotbird EUR
- 1815 WWCR Nashville, E, Ask WWCR **1st 4th 5th** — 15825
- 1825 Radio Polonia Warsaw, E — STL WRN1 EUR/ME/AF /
Euromax Astra/Hotbird / Afristar NE/AF /
Asiasat/AsiaStar AS / TelStar-V NoAM
- 1845 RAE Buenos Aires, E, Dxers Special — 9690 15345
- 1845 Radio UKR Internat. Kiev, G, fortnightly — 7510
- 2050 Radio Budapest, G — 3975 6025
- 2145 Radio UKR Internat. Kiev, G, fortnightly — 7510
- 2200 WWCR Nashville, Sp, Mundo Radial — 9475
- 2300 WBCQ Maine, E, World of Radio — 7415usb 17495usb

Thursday

- 0030 R Budapest, G —
STL WRN2 Euromax Astra/Hotbird / WRN2 Afristar AF
- 0045 Radio UKR Internat. Kiev, G, fortnightly —5840
- 0130 Radio Australia, E, Media Report —9660 12080
15240 15415 17580 17750 17795 21725
- 0230 WINB, E, World of Radio —9320
- 0245 RAE Buenos Aires, E, Dxers Special —11710
- 0420 R Budapest, G —
STL WRN2 Euromax Astra/Hotbird / WRN2 Afristar AF
- 0600 Radio Bulgaria Sofia, G —5800 9400 EUR
- 0820 R Budapest, G —
STL WRN2 Euromax Astra/Hotbird / WRN2 Afristar AF
- 1030 Radio Australia, E, Media Report —
9580 11880 15240 17750 21820
- 1325 Radio Polonia Warsaw, E —9525 11820 STL
- 1420 R Budapest, G —
STL WRN2 Euromax Astra/Hotbird / WRN2 Afristar AF
- 1530 Radio Australia, E, Media Report —
5995 9475 9580 11650 11660
- 1600 Voice of Russia Moscow, G —
603 1215 1323 1386 6145 7300
- 1935 Radio Tashkent, G —5025 7185 11905
- 2100 WWCN Nashville, E, DX Party Line —
9475 Dec-Feb, 15825 Nov/Mar
- 2130 WWCN Nashville, E, World of Radio —
9475 Dec-Feb, 15825 Nov/Mar

Friday

- 0105 Radio Tashkent, E, after 3rd Sat —5975 6165 7160
- 1000 Radio Polonia Warsaw, E, DX Club STL
- 1045 WWCN Nashville, E, Ask WWCN, alternate —9475
- 1200 WRN on Internet, E, World of Radio on-demand start
- 1230 WRMI Miami (AWR Wavescan), E —9955
- 1300 RNW Radio Enlace, Sp —STL TelStar-V NoAM
- 1330 BBC R4, World in Your Ear / Feedback, E —
LW 198, MW, FM, DAB, STL
- 1625 RNW Radio Enlace, Sp —STL TelStar-V NoAM
- 1700 WRN on Internet, E, World of Radio committed
- 1920 RNW Radio Enlace, Sp —STL TelStar-V NoAM
- 2020 Radio Budapest, E, DX Corner —3975 6025
STL WRN
WorldSpace Afristar AF / AsiaSat / AsiaStar AS/Pac
WRN1 TelStar-12 SoAM
- 2130 RAE Buenos Aires, G —9690 15345
- 2130 WWCN Nashville, E, Ask WWCN, alternate —
9475 Dec-Feb, 15825 Nov/Mar
- 2200 WHRA, E, DXwCumbre —17650 AF / EUR
- 2215 WWCN Nashville, Sp, Mundo Radial —9475
- 2220 Radio Budapest, E, DX Corner —6025 11965
- 2238 Radio Bulgaria Sofia, E —5800 7500 EUR
- 2328 RNW Radio Enlace, Sp —9895
- 2350 Radio Budapest, E, DX Corner —
WRN1 TelStar-V NoAM

Saturday

- 0000 Studio-X Italy, E, World of Radio —1566 1584, FM
- 0020 Radio Budapest, E, DX Corner —
STL WRN Astra/Hotbird Euromax EUR
- 0038 Radio Bulgaria Sofia, E —7400 9400 NoAM
- 0105 Radio Tashkent, E, after 3rd Sat —5975 6165 7160
- 0128 RNW Radio Enlace, Sp —9895 15315
- 0220 Radio Budapest, E, DX Corner —9835
- 0300 RKI Seoul, G —STL WRN2 Astra EuroMax/Hotbird EUR /

- WRN2 AfriStar AF
- 0328 RNW Radio Enlace, Sp —9895
- 0338 Radio Bulgaria Sofia, E —7400 9400 NoAM
- 0350 Radio Budapest, E, DX Corner —9835
- 0430 Radio Polonia Warsaw, E, DX Club STL
- 0528 RNW Radio Enlace, Sp —STL TelStar-V NoAM
- 0530 WHRA, E, DXwCumbre —7580 AF / EUR
- 0600 WHRI South Bend, E, DXwCumbre —5745 7315
- 0600 KWHR Naalehu Hawaii, E, DXwCumbre —17780
- 0630 HCJB Quito, G —9780 EUR
- 0730 WHRI South Bend, E, DXwCumbre —5745
- 0738 RCI Montreal, E, Maple Leaf Mailbag / CIDX report —
WRN1 Astra EuroMax/Hotbird / WRN2 AfriSat / AfriStar
- 0745 RKI Seoul, G —15210 AS/EUR
- 0800 KWHR Naalehu Hawaii, E, DXwCumbre —11565
- 0810 RKI Seoul, E —9570 13670 AS
- 0830 HCJB Australia, E, DX Party Line —11750 PAC
- 0830 WHRI South Bend, E, DXwCumbre —5745 7315
- 0900 WRN1, E, World of Radio —STL Astra/Hotbird
Euromax EUR/ME/AF
AfriStar AF / AsiaSat / AsiaStar AS/Pac
- 0930 HCJB Quito, G —6010 21455usb SoAM
- 0945 WWCN Nashville, E, Ask WWCN, alternat. —5070
- 1000 WRMI Miami, E/Sp, Viva Miami —9955
- 1000 KWHR Naalehu Hawaii, E, DXwCumbre —11565
- 1100 Voice of Russia Moscow, G —603 1323 1386
- 1130 WWCN Nashville, E, World of Radio —5070
- 1140 RKI Seoul, E —9650CAN NoAM
- 1227 RRI Bucharest, G —11790 11940 15170 15245
- 1230 HCJB Quito, E, DX Party Line —15115 21455usb NoAM
- 1245 Voice of Turkey, G, fortnightly —17700
- 1310 RKI Seoul, E —9570 13670 AS
- 1330 WHRI South Bend, E, DXwCumbre —15105
- 1335 Radio Tashkent, E, 2nd —5060 5975 6025 9715
- 1345 Voice of Turkey, E, fortnightly —15155 15195
- 1430 HCJB Australia, E, DX Party Line —15390 AS
- 1530 WWCN Nashville, E, DX Party Line —12160
- 1530 HCJB Quito, G —STL WRN2 Astra EuroMax/Hotbird
EUR / WRN2 AfriStar AF
- 1600 WHRI South Bend, E, DXwCumbre —13760
- 1604 SR2 Saarebruck, Medienwelt, G —
FM, STL Astra ADR, DAB-S
- 1605 DeutschlandFunk Cologne, G, Media Magazine
- 1610 RKI Seoul, E —5975 7255 9870 AS
- 1611 RRI Bucharest, G —5995 7225 9585 11790
- 1645 RKI Seoul, G —7275 AS
- 1730 RSCG Belgrade, G, fortnightly —9620
- 1800 WINB, E, AWR Wavescan —9930
- 1800 Voice of Russia Moscow, G —1215 1323 1386 6235 7300
- 1830 WINB, E, DX Party Line —9930
- 1830 Voice of Turkey, G, fortnightly —7205
- 1830 RKI Seoul, G —STL WRN2 Astra EuroMax/Hotbird EUR /
WRN2 AfriStar AF
- 1900 WRMI Miami, E, World of Radio —15725
- 1910 RKI Seoul, E —5975 7275 AS
- 1911 RRI Bucharest, G —5960 7130
- 1945 Voice of Turkey, E, fortnightly —5980
- 2000 RKI Seoul via Skelton, G —3955 EUR
- 2000 Radio Bulgaria Sofia, G —5800 7500 EUR
- 2030 WHRI South Bend, E, DXwCumbre —9495
- 2030 Radio Belarus Minsk, G —1170 7105 7210
- 2035 Radio Tashkent, E, 2nd —5025 7185 11905
- 2105 RHC Habana, E —9505 11760 [11670?]
- 2106 Radio NZL Internat., E, Media Watch —15265
- 2125 REE Madrid, E —9595 9680 EUR / AF
- 2130 Radio Belarus Minsk, G —1170 7105 7210
- 2130 WHRA, E, DXwCumbre —17650

- 2135 Radio Tashkent, E, **2nd** —5025 7185 11905
 2135 RCI Montreal, E, Maple Leaf Mailbag / CIDX report —
 STL WRN Afristar, Asiastar, WorldSpace AF / ME /
 AS / PAC / SoAM
- 2145 Voice of Turkey, E, fortnightly —9525
 2200 RCI Montreal, E, Media Zone —
 5850 6045 9770 12005 STL Hotbird
 2208 RCI Montreal, E, Maple Leaf Mailbag / CIDX report —
 STL WRN WorldSpace AM
 2210 RKI Seoul via Skelton, E —3955 EUR
 2218 Radio UKR Internat. Kiev, E —5840
 2238 RCI Montreal, E, Maple Leaf Mailbag / CIDX report —
 STL WRN Siriusstar AM
 2300 RHC Habana, E —9550 [6195?]
 2300 HCJB Quito, G —11980 SoAM
 2315 Voice of Turkey, E, fortnightly —6015 9655
- Sunday**
- 0000 WBCQ, Real Amateur Radio Show, E, —7415usb
 0025 REE Madrid, E —6055
 0045 WWCR Nashville, E, Ask WWCR, alternate —3210
 0118 Radio UKR Internat. Kiev, E —5905
 0130 WHRI South Bend, E, DXwCumbre —7315
 0135 RHC Habana, E —6000 9820
 0200 AWR Wavescan Moosbrunn, E —7230
 0210 RKI Seoul, E —9560CAN 11810 15575 NoAM / AS
 0300 WWCR Nashville, E, DX Party Line —5070
 0300 WRMI Miami (AWR Wavescan), E —7385
 0330 WWCR Nashville, E, World of Radio —5070
 0330 WHRA, E, DXwCumbre —7580
 0330 Radio Belarus Minsk, G, **1st** —1170 5970 7210
 0335 RHC Habana, E —6000 9820
 0415 Voice of Turkey, E, fortnightly —6020 7240
 0418 Radio UKR Internat. Kiev, E —5905
 0430 HCJB Quito, G via WRN —STL Astra EuroMax/Hotbird /
 WRN2 AfriSat / AfriStar
 0430 KWHR Naalehu Hawaii, E, DXwCumbre —17780
 0530 WRN1, E, World of Radio —STL Astra/Hotbird
 Euromax EUR/ME/AF
 AfriStar AF / AsiaSat / AsiaStar AS/Pac
 0535 RHC Habana, E —9550 9820 [11760?]
 0600 AWR Wavescan Meyerton, E —15345
 0630 RCI Montreal, E, Maple Leaf Mailbag / CIDX report —
 WRN1 STL Astra/Hotbird Euromax EUR/ME/AF
 0700 RCI Montreal, E, Mailbag — STL Hotbird only
 0700 RKI Seoul, G —15210 AS/EUR
 0705 DW Cologne, G, except **1st**
 0728 WWCR Nashville, E, World of Radio —3210
 0730 WHRI South Bend, E, DXwCumbre —5745
 0738 Radio Bulgaria Sofia, E —11600 13600 EUR
 0800 RVI Brussels, E —1512 5965 STL
 0800 Amateur Radio Mirror, Channel Africa, E —
 7082usb 9750 17780
 0830 AWR Wavescan Moosbrunn, E —9660 17820
 STL Astra EUR/ME
 0830 WHRA, E, DXwCumbre —7580 AF / EUR
 0900 AWR Wavescan Moosbrunn, E —17670 AF
 1000 AWR Wavescan KSDA Guam, E —11705 11900
 1000 hr1 Frankfurt, Netzwerk, G —FM STL
 1105 DW Cologne, G, except **1st**
 1115 WWCR Nashville, E, Ask WWCR —15825
- 1130 RVI Brussels, E —9945 FE/EaAS
 1130 SWR Cont.Ra Baden Baden, Media, G —
 576 666 711 1017 7265
 FM, STL Astra ADR, DAB-S
 1200 AWR Wavescan Abu Dhabi, E —15135
 1200 KWHR Naalehu Hawaii, E, DXwCumbre —11565
 1218 Radio UKR Internat. Kiev, E —15520
 1230 RVI Brussels, E —1512 EUR STL
 1238 Radio Bulgaria Sofia, E —11700 15700 EUR
 1305 BR5 Munich, Medienmagazin, G —
 6085, FM, STL Astra ADR, DAB-S
 1330 AWR Wavescan Abu Dhabi, E —9860 15235
 1330 AWR Wavescan KSDA Guam, E —11755 STL
 1330 RNW Radio Enlace, Sp —STL TelStar-V NoAM
- 1430 WRN1, RVI Brussels, E —
 STL TelStar-V NoAM / AsiastarAS
 1500 WRN1, E, World of Radio —STL via TelStar-V NoAM
 1505 DW Cologne, G, except **1st**
 1530 WHRA, E, DXwCumbre —17560
 1530 AWR Wavescan Abu Dhabi, E —15225
 1548 RNW Radio Enlace, Sp —STL TelStar-V NoAM
 1600 AWR Wavescan KSDA Guam, E —15495
 1600 KWHR Naalehu Hawaii, E, DXwCumbre —9930
 1630 AWR Wavescan KSDA Guam, E —11980 15495
 1630 WHRI South Bend, E, DXwCumbre —15105
 1730 AWR Wavescan KSDA Guam, E —11560
 1703 WDR5 Cologne, Medienmagazin, G —
 FM, STL Astra ADR, DAB-S
 1830 RVI Brussels, E —1512 5910 7330
 1830 AWR Wavescan Meyerton, E —11985
 1830 WWCR Nashville, E, Ask WWCR —12160
 1900 RNW Radio Enlace, Sp —STL TelStar-V NoAM
 1905 DW Cologne, G, except **1st**
 1930 RVI Brussels, E —STL WRN1 Euromax EUR/ME/AF /
 TelStar-V NoAM
 1930 SWR Cont.Ra Baden Baden, Media, G —
 576 666 711 1017 7265
 FM, STL Astra ADR, DAB-S
 2000 BBC R4, World in Your Ear / Feedback, E —
 LW 198, MW, FM, DAB, STL
 2000 Studio-X Italy, E, World of Radio —1566 1584, FM
 2030 RVI Brussels, E —1512 7330 STL
 2030 AWR Wavescan Meyerton, E —15295
 2030 Radio Belarus Minsk, G —1170 7105 7210
 2035 BR5 Munich, Medienmagazin, G —
 6085, FM, STL Astra ADR, DAB-S
 2100 RSCG Belgrade, G, fortnightly —6100
 2105 RCI Montreal, E, Maple Leaf Mailbag / CIDX report —
 5850 7235 7425 9770 9805 11835 13650
 STL Hotbird
 STL WRN1 Afristar, Asiastar, WorldSpace AF / ME /
 AS / PAC / WRN1 TelStar-12 SoAM
 2130 AWR Wavescan Moosbrunn, E —9660
 2130 AWR Wavescan KSDA Guam, E —11980
 2130 Radio Belarus Minsk, G —1170 7105 7210
 2200 RVI Brussels via Bonaire, E —11730 STL
 2200 WHRI South Bend, E, DXwCumbre —5745
 2200 RCI Montreal, E, Maple Leaf Mailbag / CIDX report —
 WRN1 TelStar-V NoAM
 2305 DW Cologne, G, except **1st**