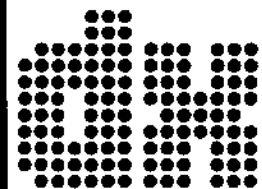


12 - 2004

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WORLD WIDE DX CLUB

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WORLD WIDE DX CLUB



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- Latest DRM schedule at: <http://www.wwdxc.de/drm.htm>

WORLD RADIO TV HANDBOOK 2005

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DX MAGAZINE No. 12

Vol. XXXIX

December 2004

Hello again,

Welcome to the last issue of our DX MAGAZINE in this year 2004. Let me take this opportunity to thank you very much for all your support during this year.

All new products of Klingenfuss Publications, **2005 Super Frequency List on CD-ROM**, **2005/2006 Guide to Utility Radio Stations** and **2005 Shortwave Frequency Guide** have been published by December 9th. 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 2005 catalogue to your postal address. (Klingenfuss Publications, Hagenloher Str. 14, D-72070 Tuebingen, Germany, E-Mail: <info@klingenfuss.org>)



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

BELGIUM: Here is the B04 schedule of *Radio Vlaanderen Internationaal*:

English:

0800-0825 5965 JUL 100 kW / omni-dir to EUR
1512 WOL 300 kW / omni-dir
1130-1155 9945 IRK 250 kW / 152 deg to SoAs and AUS/NZ
1230-1255 1512 WOL 25 kW / omni-dir
1830-1855 5910 JUL 100 kW / 130 deg to SoEaEUR and ME
7490 ARM 200 kW / 284 deg to NoWeEUR
1512 WOL 300 kW / omni-dir

2030-2055 7490 ARM 200 kW / 284 deg to NoWeEUR
1512 WOL 300 kW / omni-dir

2200-2225 11730 BON 250 kW / 350 deg to NoAmEa
0500-0525 9590 BON 250 kW / 320 deg to NoAmWe

French:

1800-1815 7490 ARM 200 kW / 284 deg to NoWeEUR
1512 WOL 300 kW / omni-dir
2015-2030 7490 ARM 100 kW / 284 deg to NoWeEUR
1512 WOL 300 kW / omni-dir

German:

1815-1830 7490 ARM 200 kW / 284 deg to NoWeEUR
1512 WOL 300 kW / omni-dir
2000-2015 7490 ARM 200 kW / 284 deg to NoWeEUR
1512 WOL 300 kW / omni-dir

Dutch and other:

0500-0600 E/D 9590 BON 250/320 NoAmWe
0600-0630 D 15530 MEY 250/350 CeAf
0600-0700 D 9925 MSK 250/248 EUR
0600-0800 D 5965 JUL 100/130 EUR

0700-0900 D 15195 ARM 200/284 EUR
0800-0830 E 5965 JUL 100/non-dir EUR
0800-0900 D 9590 SKN 250/180 EURSoWe
1130-1230 E/D 9945 IRK 250/152 SoAs and AUS/NZ
1200-1230 D 13690 RMP 250/168 EURSoWe
15195 MSK 250/248 EUR
17690 TAC 200/131 SoAs and AUS/NZ
17745 MEY 250/350 CeAf
1800-2000 D 15230 SAC 250/074 EURSoWe
1800-2200 F/G/E/D/G/F/E/D 7490 ARM 200/284 EUR
1830-2000 E/D 5910 JUL 100/130 EURSoEa and ME
1900-2000 D 13790 DHA 250/225 Ce&SoAf
2100-2200 D 5960 SKN 250/180 EURSoWe
2200-2330 E/D 11730 BON 250/350 NoAmEa
Saturdays only:
1857-2056 D 5985 JUL 100/non-dir EUR
Sundays only:
1130-1230 D 17745 MEY 250/350 CeAf
1400-1700 D 13690 SKN 250/180 EURSoWe
13800 MSK 250/248 EUR

Wolvertem 1512 kHz:

0600-0700 RNW 300 kW
0700-0800 D 300 kW
0800-0825 E 300 kW \\ 5965 EUR
0830-0900 DAB (Sats BBC progr) 25 kW
0900-1200 R1 (Suns 0900-1000 R2) 25 kW
1200-1230 D 25 kW \\ 9945 for SoAs and AUS/NZ

1230-1300 E 25 kW
 1300-1500 DAB 25 kW
 1500-1700 DW 25 kW
 1700-1800 R1 300 kW
 1800-1815 F 300 kW \ \ 7490 EUR
 1815-1830 G 300 kW \ \ 7490 EUR
 1830-1900 E 300 kW \ \ 7490 EUR

1900-2000 D 300 kW \ \ 7490 EUR
 2000-2015 G 300 kW \ \ 7490 EUR
 2015-2030 F 300 kW \ \ 7490 EUR
 2030-2100 E 300 kW \ \ 7490 EUR
 2100-2200 D 300 kW \ \ 7490 EUR
 2200-2300 RNW 300 kW

D = RVi Dutch, E = RVi English, F = RVi French, G = RVi German, R1 = VRT R 1, R2 = VRT R 2, DW = Deutsche Welle relay, RNW = Radio Nederland Wereldomroep relay.
 DAB VRT DAB Klassiek,
 [About DAB Klassiek: this is nonstop classical mx from the digital audio sce. Silvain Domen-BEL]
 Wolvertem, omni-directional.
 MW 300 kW - 1512 kHz : 0600-0825, 1700-2300 UTC
 MW 25 kW - 1512 kHz : 0830-1700 UTC
 (RVI B04 .xls file, Sept 24; via Andreas Volk-D ADDX, via WB Sept 29, 2004)

CHINA (Peoples Rep.): CRI - China Radio International schedule B04. Postal address: China Radio International, P.O.Box 4216, CRI-2, Beijing 100040, China RP. Web: <<http://www.cri.com.cn>>.

0000-0057 Cambodian 9765gx, 684dof
 Chinese 9790sac, 6040sac
 English-NA 9570alb, 7170alb, 6020alb
 Hakka 15400B1, 15260X1, 15100X1, 11945K2, 9610K, 9550K2, 9460K2
 Portuguese 11680B4, 11850G, 7245X1
 Russian 9870B1, 7110HU, 5990HU, 5905kas, 1521
 Spanish 15120Cuba, 11650X1, 9745Bonaire, 7160X1, 5990Cuba
 Vietnamese 7220K1, 603(Guangdong)
 0000-0157 English-AS 7180kas, 6075kas
 English-EU 7345U3
 0100-0157 Amoy 17680B4, 15100X1, 11980K, 11945K2, 9695K, 9550K2, 9460K2
 English-NA 9580Cuba, 6080sacDRM, 6005sac, 9570alb, 7170alb, 6020alb
 Russian 5905kas, 1521
 Spanish 11650X1
 Urdu 7155kas, 6020kas
 0200-0227 Pashto 7150kas, 6065kas
 0200-0257 Bengali 11640K2, 9655k2
 Chinese-NA 9690E, 9580Cuba, 9570alb, 7170alb, 6020alb
 English-AS 13640kas, 11770kas
 Spanish 11650X1, 13685G
 Tamil 15260k2, 13715kas, 13610kas, 11870kas
 0230-0327 Nepalese 15320X1, 13790K6
 0300-0357 Chinese 13600kas, 9720G
 English-AS 15110U2, 11770kas
 English-NA 9790Cuba, 9690E
 Hindi 15465kas, 15350kas, 13720kas, 11640kas
 Spanish 9560sac, 9665Brazilia
 Russian 17740X1, 17710B2, 15435B1, 5905kas
 0400-0457 Cantonese 9790Cuba
 Chinese 17540kas, 15350kas
 English-NA 9755G, 9560sac, 6190sac
 0400-0557 French 11640K1, 6115kas
 0500-0557 English-AS 17540kas, 15465kas, 15350kas, 11880kas, 11770kas
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 English-NA 9560sac, 6190sac
 0500-0657 Arabic 17485kas, 9590alb, 7120alb, 5985alb
 0600-0757 German 17720U3, 15245U1
 0600-0657 Chinese 17650kas
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 English-NA 6115sac
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 0900-1057 Chinese 17785X1, 15340X1, 15250k1, 11980k1
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 English-EU 17490kas
 0930-1027 Malay 17680K1, 15135K6
 0930-1527 Japanese 7190B2, 1044
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 Mongolian 5955B1, 7110HU
 Russian 7255B1, 7290JI, 5915HU, 1521 1323 1116 963
 Vietnamese 11990X1, 9550X2, 1296
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 1130-1157 Burmese 11780X1, 9880K1, 1269
 Filipino 12110k, 11700X1, 1341
 1130-1227 Thai 9785K4, 7360K
 1200-1227 Filipino 12110K, 11700X1
 1200-1257 Cambodian 17680X1, 9440K3
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 1300-1457 Korean 5965B1, 1017
 1330-1357 Burmese 11780X1, 9880k1, 1188
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 Thai 9785K4, 7360K, 1080
 1400-1427 Turkish 11800K5, 9535U2 (cancell Nov.28)
 1400-1457 Amoy 15340X1, 11650X1
 Bengali 11630K2, 9490kas, 1269
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 French-AF 13670u1, 11920alb

1430-1457 Filipino 12110K, 1341
 1430-1527 Lao 9675K4, 7360K 1080
 1430-1627 Russian 1467(Moldova)

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 Russian 6040U6, 9765z5, 7265U4, 9885B1, 5965B4, 5905kas, 1521
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 Vietnamese 11990X1, 7360K, 6010K1, 684(Dongfang), 603(Guangdong)

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1700-1727 Swahili 15125M, 11640M
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1700-1757 Arabic 11725alb, 9555alb, 7300kas
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 Cantonese 7220JI, 9770U2
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1730-1757 Hausa 13670M 11640M
 Serbian 1548(Moldova)

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 French-EU 7175alb, 5970alb
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 1830-2027 French 9645K6, 7350U5
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 Czech 7150U2, 6020Z6, 1386Sit-Lithuania
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 Russian 9730U5, 7255X1
 2030-2057 Bulgarian 7160X1, 6145F
 Hungarian 9585kas, 6020Z6
 Polish 7150U2, 7110JI, 1557Sit
 Serbian 1548(Moldova)
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 2100-2127 Albanian 6145F
 English-AF 13630M, 11640M
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 2100-2157 Arabic 9725U1, 9695kas, 7260K8, 7215alb, 6185alb
 Chinese 1557Sit
 English-EU 9855U3, 9600B4, 7285alb, 7190kas, 5960alb
 French 1440 via Marnach-Luxembourg
 German 1386 via Sitkunai-Lithuania
 Portuguese 11720sgo, mixed English
 Spanish 9640kas, 6020Z6
 2130-2157 Hungarian 7120U4, 6145F
 2130-2227 French-AF 13630M, 11975M
 Polish 1458 via Albania
 2200-2257 Chinese 15400B1, 15260X1, 11945K2, 9460K2, 7325K2, 7265K5,
 7220K1, 7190U4, 7180X1, 6140K, 5955B5
 English-EU 7170R(Talldom)
 Esperanto 11700B2, 9860B2
 Portuguese 7245X1, 6175alb, 5990B4
 Serbian 1215 via Fllake-Albania
 Spanish 13700sac, 9640kas, 7210alb, 7120U4, 6020Z6
 2230-2257 Chinese-AF 15505M, 11975M
 2230-2327 Czech 1458MW via Albania

2300-2357 Cambodian 9765gx, 684dof
 Cantonese 15400B1, 15260X1, 15100X1, 11945K2, 9610K, 9460K2, 7325K2
 Chinese-AF 11975M, 7170M
 English-AS 7180kas, 5975kas
 English-NA 11970sac, 6040sac, 5990Cuba
 Portuguese 13650Cuba
 Russian 7110HU, 5990HU, 5955B4, 5905kas
 Spanish-EU 7210alb, 7120U4, 6175alb
 Spanish-AM 7245X1, 7160X1
 Vietnamese 7220K1, 603(Guangdong)

2330-0030 Sinhalese 11700kas, 6065kas

Foreign Relays through facilities in China:

RFI 0100-0157 French 15605X1(-Feb.27)/17710(Feb.28-)

1100-1200 French 11600B1

1200-1257 Khmer 11600X1

1300-1357 French 684(Dongfang, Hainandao Island)

1400-1457 English 7180X1(-Feb.27)/9580(Feb.28-)

1500-1557 Vietnamese 1296K

1600-1657 French 6090K1 1296K

REE 1000-1157 Spanish 9660B1

1200-1357 Spanish 11910X1

VOR 1200-1300 Vietnamese 603(Guangdong)

1300-1400 Hindi 1269K

1400-1500 English 1269K

1500-1557 English 11500X1

1700-1757 English 1269K

RCI 0000-0057 English 9880X1

1500-1557 English 11730X1, 9635X1

1800-1857 English 9770kas, 7185kas (NDXC-JPN website; Nov 8, 2004; via JKB)

CZECH REPUBLIC: Broadcast schedule B04 of *Radio Prague*, valid 30 October 2004 - 26 March 2005. Address: Radio Prague, Vinohradska 12, 120 99 Prague 2, Czech Republic. Fax: +420-2-21552903. E-mail: <cr@radio.cz> and URL at the web <<http://www.radio.cz>>.

UTC	kHHz	kW	Area				
CZECH	0930-0957	11600	100	S.W. Europe		0200-0227	6200 100 N. America
		21745	100	E. Africa/ Mi. East			7345 200
	1030-1057	21745	100	S. Asia/ W. Africa		0400-0427	6200 100 N. America
	1200-1227	11640	100	N. Europe			6200 100
		21745	100	S. Asia/ Australia		0430-0457	9885 100 Mi. East/ S.W. Asia
							9885 100
	1330-1357	6055	100	C. Europe	GERMAN	0730-0757	5930 100 W. Europe
		7345	100	W. Europe			7345 100 Europe
	1430-1457	21745	100	E. Africa/ N. America		1100-1127	9880 100 W. Europe
	1630-1657	15710	100	C.&W. Africa			7345 100 C. Europe
		5930	100	W. Europe		1300-1329	7345 100 W. Europe
	1830-1857	9415	100	Asia/Australia			6055 100 C. Europe
		5930	100	W. Europe		1600-1627	5930 100 W. Europe
	2030-2057	9430	100	S.&E. Asia/Australia		1730-1757	**5840 250 W. Europe
		5930	100	W. Europe	SPANISH	0900-0927	11600 100 S.W. Europe
	2200-2227	9435	100	S. America/ S.W. Europe			15255 100
		5930	100	S.W. Europe		1500-1527	11600 100 S.W. Europe
	0030-0057	7345	100	N. America			13580 100
		5930	100	S. America		1900-1927	9430 100 S.W. Europe
	0230-0257	7345	200	S. America			5930 100
		6200	100	N. America		2000-2027	9430 100 S.W. Europe
	0330-0357	6200	100	N. America			5930 100
		7345	100			2130-2157	9435 100 S.W. Europe
ENGLISH	0800-0827	9880	100	N.W. Europe			5930 100
		7345	100			0000-0027	5930 100 S. America
	1000-1029	21745	100	S. Asia/ W. Africa			5930 100
	1130-1157	11640	100	N. Europe			*11665 250
		21745	100	E. Africa/ Mi. East		0130-0157	6200 100 C. America
	1700-1727	15710	100	C.&W. Africa			7345 100
		5930	100	N.W. Europe		0300-0327	6200 100 C. America
	1800-1827	9415	100	Asia/Australia			7345 200 S. America
		5930	100	N.W. Europe	FRENCH	0700-0727	5930 100 W. Europe
	2100-2127	9430	100	S.&E. Asia/Australia			7345 100 S.W. Europe
		5930	100	N.W. Europe		0830-0857	9880 100 W. Europe
	2230-2257	5930	100	N. America			11600 100 S.W. Europe
		7345	100	W. Africa		1730-1757	5930 100 W. Europe
	2330-2357	5930	100	N. America			15710 100 C. Africa
		7345	100			1930-1957	5930 100 W. Europe
	0100-0127	6200	100	N. America			9430 100 S.W. Europe/ N.W. Africa
		7345	100			2300-2327	5930 100 N. America

	7345	100			5930	100	E. Europe
RUSSIAN	0500-0527	6055	100	E. Europe	1900-1927	***5830	250 E. Europe
		11600	100	E. Europe/ S.W. Asia	*** Relayed via Novosibirsk, 82E58 55N04		
	1230-1257	6055	100	E. Europe	** Relayed via Krasnodar, 39E00 45N02		
		21745	100	E. Europe/ S.W. Asia	* Relayed via Ascension, 14W23 07S54		
	1530-1557	9450	100	E. Europe/ S.W. Asia	Transmitters at Litomysl, 16E10 49N48		

(R. Prague at the web via JKB, 10 Nov 2004)

EGYPT: Radio Cairo, the tentative External Service of period B04, **VOICE OF THE ARABS** and GENERAL PROGRAMME of the **Egyptian Radio** RTV. Address: Radio Cairo, Egyptian Radio and Television Union, PO Box 11511, Cairo, Egypt. Transmitter Site: ABS = Abis - 250/500 kW transmitters; ABZ = Abu Zaabal - 100/250/500 kW transmitters. (JKB)

UTC	KHz	PROGRAM	TARGET AREA	1600-1800	6230	TURKISH	TURKEY
0030-0430	7115	ARABIC	E. N. AMERICA	1600-1800	9990	ALBANIAN	ALBANIA
0045-0200	7260	SPANISH	N. AMERICA	1630-1730	15155	SOMALI	E. & C. AFRICA
0045-0200	11755	SPANISH	C. AMERICA	1630-1830	9855	ENGLISH	C. & S. AFRICA
0045-0200	9415	SPANISH	S. AMERICA	1645-1730	15620	SHONA	C. & S. AFRICA
0200-0330	7260	ENGLISH	N. AMERICA	1730-1815	15620	INDEBELE	C. & S. AFRICA
1100-0300	12050	GENERAL PROGRAM	N. AMERICA & EUROPE	1730-1900	15155	AMHARIC	E. & C. AFRICA
0700-1100	15115	GENERAL PROGRAM	W. AFRICA	1800-1900	9988	ITALIAN	EUROPE
1015-1215	17775	ARABIC	M. EAST & AFGHANISTAN	1800-2100	9760	HAUSA	W. AFRICA
1115-1215	15710	THAI	S. E. ASIA	1830-1915	9855	LINGALA	C. & S. AFRICA
1215-1330	17670	ENGLISH	S. ASIA	1830-1930	15375	WOLOF	W. AFRICA
1215-1315	15710	MALAY	S. E. ASIA	1900-2000	9990	GERMAN	EUROPE
1230-1530	15490	PERSIAN	TADZHIKSTAN	1900-0030	11665	VOICE OF THE ARABS	C. & E. AFRICA
1320-1450	15710	INDONESIAN	S. E. ASIA	1915-2030	15425	FULANI	W. AFRICA
1330-1430	17670	BENGALI	S. ASIA	1930-2030	15375	BAMBARA	W. AFRICA
1300-1600	15365	ARABIC	W. AFRICA	2000-2200	7270	ARABIC	AUSTRALIA
1400-1530	11655	AZERI	AZERBAIJAN	2000-2115	9990	FRENCH	EUROPE
1500-1600	13660	HINDI	S. ASIA	2030-2200	15375	ENGLISH	W. AFRICA
1430-1600	15670	PASHTO	AFGHANISTAN	2030-2230	15335	FRENCH	W. AFRICA
1800-1900	7120	RUSSIAN	W. RUSSIA	2100-2200	9760	YORUBA	W. AFRICA
1530-1630	9480	UZBEKI	UZBEKISTAN	2115-2245	9990	ENGLISH	EUROPE
1530-1630	15155	AFAR	E. & C. AFRICA	2215-2330	11790	PORTUGUESE	S. AMERICA
1530-1730	17810	SWAHILI	C. & E. AFRICA	2300-0030	7115	ENGLISH	E. N. AMERICA
1600-1800	13660	URDU	S. ASIA	2330-0045	9735	ARABIC	S. AMERICA
1600-1645	15620	ZULU	C. & S. AFRICA	2330-0045	11755	ARABIC	S. AMERICA

(Tarek Zeidan - SU1TZ, via WB in BC-DX #493; 2004 Dec 4)

ISRAEL: KOL ISRAEL Shortwave broadcasting is due to cease on December 31, 2004! B04 overseas service schedule (Network in brackets), from October 31 to December 31, 2004. Postal address: KOL, Israel Radio International, PO Box 1082, Jerusalem 91010, Israel. Fax: +972-2-302327. KOL website: <<http://www.israelradio.org>> and for correspondence regarding reception problems send to: Raphael Kochanowski, Director of Engineering Liaison and Coordination (email to <raphaelk@iba.org.il>).

<u>Language (Network)</u>	UTC	kHz	Main Target Area
Hebrew (Reshet Bet - Second Network)	0500-1700	15760	Europe + N. America
	1700-0500	9345	
	2200-2400	6280	
	0000-0430	7545	
	0500-0600	7545	
	0600-1030	17535	
	1115-1455	17535	
	2100-2215	7520	South America
Arabic (Reshet Dalet - Fourth Network)	0345-2210	5915	Middle East
English (REQA (REQA (REQA (Hei)	0430-0445	7545	Europe + N. America
		6280	
		17600	Australasia and S. America
	1030-1045	15640	Europe + N. America
		17535	
	1830-1845	9390	Europe + N. America
		11605	
	2000-2025	9390	Europe + N. America
		6280	
		15615	Africa

French (REQA) (REQA) (REQA) (Hei)	0445-0500	7545 6280	Europe + N. America
	1100-1115	15640 17535	Europe + N. America
	1800-1815	9390 11585 11605	Europe + N. America
	2030-2045	9390 6280 7520	Europe + N. America S.Europe + Latin America Europe + N. America
Spanish (REQA) (Hei)	1815-1830	9390 11585 11605	Europe + N. America
	2045-2100	9390 7520 6280	Europe + N. America S.Europe + Latin America
Spanish & Ladino Saturday only (Hei)	1600-1625	17535 15640	Europe + N. America Spain + Latin America
Ladino (Hei)	1345-1355	15640 17535	Europe + N. America
Russian (REQA+Hei)	2100-2200	9390 6280	Russia
Persian (Hei)	1500-1625 Sun-Thurs 1500-1600 Fri-Sat	9985 11605 17535	Iran ~ Europe + N. America
Yiddish (REQA + Hei)	1700-1725	11605 9390 17535	Europe + N. America
Hungarian (REQA + Hei)	1945-2000	11585 11605 9390	Central Europe
Romanian (REQA + Hei)	1845-1900	11605 11585 9390	Romania
Amharic and Tigre (REQA + Hei)	1900-1945	9390 11605 11585	Africa Europe + N. America Europe + N. America

(IBA web site last modified on 6. November 2004, via JKB)

JAPAN: *Radio Japan - NHK World*, schedule in B04 season. Address: NHK World, Radio Japan, Tokyo 150-8001, Japan.
Email: <info@intl.nhk.or.jp>, Web: <<http://www.nhk.or.jp/nhkworld>>.
To SoEaAS

Burmese	1030-1100	11740SNG	1230-1300	9695*
	2320-2340	13650*		
Chinese	0600-0630	17860*	1200-1230	11740SNG
	2240-2300	13650*	2340-0000	13630* 17810
English	0100-0200	17810* 11860SNG		
	0500-0600	17810*	0600-0700	11740SNG
	1000-1200	9695*	1400-1600	7200
	0000-0015	13650* 17810		

Indonesian	0930-1000	9695*	1130-1200	& 1230-1300	13660
	2300-2320	17810	2340-0000		13650*
Japanese	0200-0300	11860SNG	0200-0500		17810*
	0700-0900	17860*	0700-1000		11740SNG
	0900-1600	11815*	1600-1900		7200
	2000-0000	11665*	2000-2200		7225*
Malay	1200-1230	9695* 13660	1300-1330		9695*
	2240-2300	17810			
Thai	1130-1200	11740SNG	1330-1400		7200
	2300-2320	13650*			
Vietnamese	1100-1130	13660	1230-1300		11740SNG
	2320-2340	17810			
To Asian Continent					
Chinese	0400-0430 & 0500-0530 17845*				
	1200-1230,	1300-1330	6190*	1430-1500	6190
	2230-2250				9560*
English	0100-0200	17845*	0500-0700		15195*
	1000-1200	11730*	1500-1600		6190
Japanese	0200-0300	17845*	0200-0500 & 0700-0800 15195*		
	0800-1700	9750*	1600-1900		6035*
	2000-0000	11910*	2000-2100		6165*
	2100-2210	9560*			
Korean	0430-0500 & 0530-0600 17845* 1115-1145 6090				
	1230-1300	6190*	1400-1430		6190
	2210-2230	9560*			
Russian	0330-0400	17845*	1330-1400		6190*
To FE Russia					
English	0600-0700	11715*	11760*		
Japanese	0700-0800	6145*	6165*		
Russian	0530-0600	11715*	11760*		
	0800-0830	6145*	6165*	1900-1920	5955*
To SoWeAS					
Bengali	0630-0700	15590*	11890SRI	1230-1300	11890SRI
English	0100-0200	15325*		1400-1600	9875*
Hindi	0700-0730	15590*	11890SRI	1300-1330	11890SRI
Japanese	0200-0500	15325*	[delete	0300-0400	11890SRI]
	0800-1000	15590*		1500-1700	12045SNG
	1700-1800	11865SNG			
Urdu	0730-0800	15590*	11890SRI	1330-1400	11890SRI
To Oceania					
English	0100-0200	17685*		0300-0400	21610
	0500-0700	& 1000-1100	21755	1400-1500	11840SRI
	2100-2200		6035SNG		
Japanese	0300-0500	17685*			
	0700-1000	21755	11920SNG	1700-1900	7140
	1900-2100	6035SNG		2200-2300	11770SRI
To NoAM					
English	0000-0100	6145CAN		0100-0200	17825*
	0500-0600	6110CAN(West)		0600-0700	11690*
	1000-1200	6120CAN(East)		1500-1600	9505*
	1700-1800	9535*		2100-2200	17825*
Japanese	0200-0500	5960CAN(Ea)		0300-0500	17825*
	0800-1000	9540*		1300-1500	11705CAN(Ea)
	1500-1700	9535*		2200-2300	17825*
To Hawaii					
English	0600-0700	17870		2100-2200	21670
Japanese	0700-0800	17870		0800-1000	9825
	1700-1900	9835*			
To CeAM					
English	0100-0200	17825*		0600-0700	11690*
	1500-1600	9505*		1700-1800	9535*
Japanese	0300-0500	17825*		0800-1000	9540*
	1500-1700	9535*			

	2200-2300	11895GUF	17825*		
Spanish	0500-0530	11895GUF		1000-1030	9540*
To SoAM					
English	0100-0200	17835			
Japanese	0200-0300	17835		0300-0400	9660GUF (West)
	0800-1000	9825	9530GUF (Ea)	1700-1800	21600GUF (West)
	1700-1900	9835*		2200-2300	15220ASC
	2300-2400	17605ATN			
Portug	0230-0300	9660GUF (East)		1030-1100	9530GUF (East)
Spanish	0400-0430	9660GUF (West)			
	1000-1030	9710	9530GUF (East)		
To Europe					
English	0500-0600	5975UKr		0500-0700	7230UKw
	1000-1100	17585UAE			
	1700-1800	11970*			
	2100-2200	6090UKs	6180UKs		
French	0630-0700	11970GAB		1800-1820	11970*
German	0600-0630	11970GAB			
	1100-1130	9660UKs	11710UKs		
Italian	0530-0545	11970GAB		1030-1045	21820GAB
Japanese	0800-1000	11710UKs		1700-1800	9750UKr
	1700-1900	6175UKs		2000-2100	11970*
	2200-2300	6115UKs			
Russian	0430-0500	11970GAB		1130-1200	11710UKs
	1840-1900	11970*			
Spanish	0500-0530	11970GAB		1820-1840	11970*
Swedish	0545-0600	11970GAB		1045-1100	21820GAB
To ME & NoAF					
Arabic	0400-0430	17780SRI		0700-0730	15220ASC (West)
	1100-1115	17665SRI			
English	0100-0200	6030UKr	17560*	1000-1100	17720UAE
French	0500-0530	17820SRI		1630-1650	7105*
Japanese	0300-0500	17560*		0800-1000	17720UAE
	1700-1900	9575UAE		2200-2300	7115UAE
Persian	0230-0300	17880SRI			
	0830-0900	17675SRI			
To Africa					
Arabic	0400-0430	17780SRI		0700-0730	15220ASC (West)
English	1700-1800	15355GAB (South)			
	2100-2200	11855ASC (Central)			
French	1230-1300	15400ASC (West)	17870ASC (Central)		
	1800-1820	9685* 11785*			
Japanese	0800-1000	17650ASC (West)			
	1500-1700	21630ASC (Central)			
	1800-1900	15355GAB (South)			
Swahili	0330-0400	6135ASC (Central)			
	1300-1330	17870ASC (Central)			

191 frequencies. Relays:

ASC = Ascension 250 kW ATN = Bonaire 250 kW CAN = Sackville 250 kW
 GAB = Gabon 500 kW GUF = Fr. Guiana 300 kW SNG = Singapore 100/250 kW

SRI = Sri Lanka 300 kW UAE = Al Dhabbaya 500 kW

UK = United Kingdom, RMP 500 kW, SKN 250/300 kW, WOF 250/300 kW

* via Yamata-JPN 300 kW - others 100 kW.

Please be advised that the schedule is subject to change.

(NHK B-04 booklet, via WB. 2004 Nov 21)

DRM outlet, test transmission:

9875 1700-1800 Fris only MNO Rampisham 35kW 95deg English WeEUR DRM NHK

JPN registration:

5955	1900-1920	25,26,34,35	YAM	300	35	-20	208	D	Russian	J	NHK	NHK
5960	0200-0500	6-8	SAC	250	240	0	156	D	Japanese	CAN	NHK	NHK
5975	0500-0600	27,28,31N	RMP	500	140	0	145	D	English	J	NHK	MER
5975	0500-0600	27,28W	RMP	500	140	0	145	D	English	G	NHK	NHK
6005	0100-0330	45	NAY	1	0	0	926	S	Japanese	J	NHK	NHK

6005	0400-1230	45	SAP	1	0	0	926	D	Japanese	J	NHK	NHK
6005	2000-0030	45	SAP	1	0	0	926	D	Japanese	J	NHK	NHK
6030	0100-0200	27,28,31N	RMP	500	110	15	206	D	English	J	NHK	MER
6030	0100-0200	38,39,40	RMP	500	115	0	216	D	English	G	NHK	NHK
6035	1600-1900	43,44	YAM	300	290	0	146	D	Japanese	J	NHK	NHK
6035	1900-2000	55,58-60	SNG	250	140	-20	145	D	Japanese	SNG	NHK	NHK
6035	1900-2200	55,58,59,60	SNG	250	140	-20	145	D	Japanese	J	NHK	MER
6035	2000-2100	55,58-60	SNG	250	140	-20	145	D	Japanese	SNG	NHK	NHK
6035	2100-2200	55,58-60	SNG	250	140	-20	145	D	English	SNG	NHK	NHK
6055	0000-2400	45	NAG	50	64	0	701	D	Japanese	J	NSB	NHK
6055	0000-2400	45	NAG	50	244	0	701	D	Japanese	J	NSB	NHK
6090	1115-1145	44E	YAM	100	280	0	800	D	Korean	J	NHK	NHK
6090	2100-2200	27,28W,37N	SKN	300	140	30	211	D	English	J	NHK	MER
6090	2100-2200	27,28W	SKN	300	140	30	216	D	English	G	NHK	NHK
6110	0500-0600	6-8	SAC	250	268	0	156	D	English	CAN	NHK	NHK
6115	2200-2300	27,28W,37N	SKN	300	125	15	211	D	Japanese	J	NHK	MER
6115	2200-2300	27,28W	SKN	300	125	15	211	D	Japanese	G	NHK	NHK
6115	2300-1000	45	NAG	50	50	0	701	D	Japanese	J	NSB	NHK
6115	2300-1000	45	NAG	50	230	0	701	D	Japanese	J	NSB	NHK
6120	1000-1100	6-8	SAC	250	240	0	156	D	English	CAN	NHK	NHK
6120	1100-1200	6-8	SAC	250	240	0	156	D	English	CAN	NHK	NHK
6130	2000-0400	45	FUK	1	0	0	926	S	Japanese	J	NHK	NHK
6135	0330-0400	48SW,52NE,53W	ASC	250	85	0	216	D	Swahili	J	NHK	MER
6135	0330-0400	46-48,52,53	ASC	250	85	0	216	D	Swahili	G	NHK	NHK
6145	0000-0100	6-8	SAC	250	240	0	156	D	English	CAN	NHK	NHK
6145	0700-0800	25,26,34,35	YAM	300	35	-20	208	D	Japanese	J	NHK	NHK
6145	0800-0830	25,26,34,35	YAM	300	35	-20	208	D	Russian	J	NHK	NHK
6165	0700-0800	23,24,33	YAM	300	330	25	208	D	Japanese	J	NHK	NHK
6165	0800-0830	23,24,33	YAM	300	330	25	208	D	Russian	J	NHK	NHK
6165	2000-2100	43,44	YAM	300	290	0	146	D	Japanese	J	NHK	NHK
6175	1700-1900	27,28W,37N	SKN	250	150	0	341	D	Japanese	J	NHK	MER
6175	1700-1900	27,28W	SKN	250	150	0	141	D	Japanese	G	NHK	NHK
6175	2000-0030	45	SHO	1	0	0	926	S	Japanese	J	NHK	NHK
6180	2100-2200	19,28N,29N	SKN	300	70	-20	206	D	English	J	NHK	MER
6180	2100-2200	18,19,28N,29	SKN	300	70	-20	206	D	English	G	NHK	NHK
6190	1200-1400	43,44	YAM	300	290	0	146	D	Various	J	NHK	NHK
6190	1400-1430	44E	YAM	100	280	0	800	D	Korean	J	NHK	NHK
6190	1430-1500	44	YAM	100	280	0	800	D	Chinese	J	NHK	NHK
6190	1500-1600	43,44	YAM	100	280	0	800	D	Japanese	J	NHK	NHK
7105	1630-1650	38,39,40	YAM	300	305	0	208	D	French	J	NHK	NHK
7115	2200-2300	37S,38,39	DHA	500	285	-15	146	D	Japanese	J	NHK	MER
7115	2200-2300	38,39,40	DHA	500	285	0	146	D	Japanese	UAE	NHK	NHK
7140	1700-1900	51,55,56,59,60	YAM	100	165	0	208	D	Japanese	J	NHK	NHK
7200	1330-1400	49,50,54	YAM	100	240	30	208	D	Thai	J	NHK	NHK
7200	1400-1900	49,50,54	YAM	100	240	30	208	D	Various	J	NHK	NHK
7225	2000-2200	49,50,54	YAM	300	235	0	208	D	Japanese	J	NHK	NHK
7230	0500-0700	18,19,28N,29	WOF	300	70	0	211	D	English	G	NHK	NHK
9505	1500-1600	2,6,7,10,11	YAM	300	55	0	208	D	Various	J	NHK	NHK
9530	0800-1000	13,14,15	GUF	300	155	0	151	D	Japanese	GUY	NHK	NHK
9530	1000-1100	13,14,15	GUF	300	155	0	151	D	Various	GUY	NHK	NHK
9535	0100-0330	45	SAP	1	0	0	926	D	Japanese	J	NHK	NHK
9535	0430-0730	45	FUK	1	0	0	926	S	Japanese	J	NHK	NHK
9535	1500-1800	2,6,7,10,11	YAM	300	55	-20	208	D	Japanese	J	NHK	NHK
9540	0800-1000	2,6,7,10,11	YAM	300	55	0	208	D	Japanese	J	NHK	NHK
9540	1000-1030	2,6,7,10,11	YAM	300	55	0	208	D	Japanese	J	NHK	NHK
9550	0100-0730	45	SHO	1	0	0	926	S	Japanese	J	NHK	NHK
9560	2100-2200	43,44	YAM	300	290	0	146	D	Japanese	J	NHK	NHK
9560	2210-2230	44E	YAM	300	290	0	146	D	Korean	J	NHK	NHK
9560	2230-2250	44	YAM	300	290	0	146	D	Chinese	J	NHK	NHK
9575	1700-1900	37S,38,39	DHA	500	285	0	218	D	Japanese	J	NHK	MER
9575	1700-1900	38,39,40	DHA	500	285	0	146	D	Japanese	UAE	NHK	NHK
9595	0000-2400	45	NAG	50	64	0	701	D	Japanese	J	NSB	NHK
9595	0000-2400	45	NAG	50	244	0	701	D	Japanese	J	NSB	NHK

9660	0230-0300	13,14,15	GUF	300	155	0	151	D	Portuguese	GUY	NHK	NHK
9660	0300-0400	12,14,15	GUF	300	215	0	156	D	Japanese	GUY	NHK	NHK
9660	0400-0430	12,14,15	GUF	300	215	0	156	D	Spanish	GUY	NHK	NHK
9660	1100-1130	27,28W,37N	SKN	300	110	0	156	D	German	J	NHK	MER
9660	1100-1130	27,28	SKN	300	110	0	156	D	German	G	NHK	NHK
9685	1800-1820	48,52,53,57	YAM	300	270	30	208	D	French	J	NHK	NHK
9695	0930-1000	49,50,54	YAM	300	240	0	208	D	Indonesian	J	NHK	NHK
9695	1000-1200	49,50,54	YAM	300	240	0	208	D	English	J	NHK	NHK
9695	1200-1330	49,50,54	YAM	300	240	0	208	D	Various	J	NHK	NHK
9700	0500-0900	39	YAM	300	305	0	208	D	Japanese	J	NHK	NHK
9700	1400-0100	39	YAM	300	305	0	208	D	Japanese	J	NHK	NHK
9710	1000-1030	14,16	YAM	100	85	0	208	D	Spanish	J	NHK	NHK
9740	0900-1400	39	YAM	300	305	0	208	D	Japanese	J	NHK	NHK
9750	0800-1700	43,44	YAM	300	290	0	146	D	Various	J	NHK	NHK
9750	1700-1800	18,19,28N,29	RMP	500	62	0	217	D	Japanese	G	NHK	NHK
9750	1700-1800	18,19,28N,29	SKN	300	70	-20	206	D	Japanese	J	NHK	MER
9760	2300-0800	45	NAG	50	230	0	701	D	Japanese	J	NSB	NHK
9760	2300-0800	45	NAG	50	50	0	701	D	Japanese	J	NSB	NHK
9825	0800-1000	14,16,61	YAM	100	85	0	208	D	Japanese	J	NHK	NHK
9835	1700-1900	14,16,61	YAM	300	85	30	208	D	Japanese	J	NHK	NHK
9875	1400-1600	41	YAM	300	270	30	208	D	Various	J	NHK	NHK
11665	0000-0100	49,50,54	YAM	300	240	0	208	D	Japanese	J	NHK	NHK
11665	1900-2000	49,50,54	YAM	300	240	0	208	D	Japanese	J	NHK	NHK
11665	2000-2400	49,50,54	YAM	300	240	0	208	D	Japanese	J	NHK	NHK
11690	0600-0700	2,6,7,10,11	YAM	300	55	0	208	D	English	J	NHK	NHK
11705	1300-1500	6-8	SAC	250	240	0	156	D	Japanese	CAN	NHK	NHK
11710	0800-1000	18,19,28N,29	SKN	300	70	-20	206	D	Japanese	J	NHK	MER
11710	0800-1000	18,19,28N,29	SKN	300	70	-20	206	D	Japanese	G	NHK	NHK
11710	1100-1130	18,19,28N,29	SKN	300	70	-20	206	D	German	G	NHK	NHK
11710	1100-1200	18,19,28N,29	SKN	300	70	-20	206	D	Ge/Russ	J	NHK	MER
11710	1130-1200	18,19,28N,29	SKN	300	70	-20	206	D	Russian	G	NHK	NHK
11715	0530-0600	25,26,34,35	YAM	300	35	-20	208	D	Russian	J	NHK	NHK
11715	0600-0700	25,26,34,35	YAM	300	35	-20	208	D	English	J	NHK	NHK
11725	1600-0200	41	YAM	300	270	30	208	D	Japanese	J	NHK	NHK
11730	1000-1200	43,44	YAM	300	290	0	146	D	English	J	NHK	NHK
11740	0600-0700	49,50,54	SNG	250	1	21	147	D	English	SNG	NHK	NHK
11740	0600-1000	49,50	SNG	250	1	21	147	D	En/Jpn	J	NHK	MER
11740	0700-1000	49,50,54	SNG	250	1	21	147	D	Japanese	SNG	NHK	NHK
11740	1030-1100	49,50	SNG	250	1	21	147	D	Burmese	J	NHK	MER
11740	1030-1100	49,50,54	SNG	250	1	21	147	D	Burmese	SNG	NHK	NHK
11740	1130-1200	49,50,54	SNG	250	1	21	147	D	Thai	SNG	NHK	NHK
11740	1130-1300	49,50	SNG	250	1	21	147	D	Th/Ch/Vtn	J	NHK	MER
11740	1200-1230	49,50,54	SNG	250	1	21	147	D	Chinese	SNG	NHK	NHK
11740	1230-1300	49,50,54	SNG	250	1	21	147	D	Vientnam	SNG	NHK	NHK
11760	0530-0600	23,24,33	YAM	300	330	25	208	D	Russian	J	NHK	NHK
11760	0600-0700	23,24,33	YAM	300	330	25	208	D	English	J	NHK	NHK
11770	2200-2300	55,58-60	EKA	300	130	0	208	D	Japanese	CLN	NHK	NHK
11785	1800-1820	48,52,53,57	YAM	300	270	0	208	D	French	J	NHK	NHK
11815	0900-1600	49,50,54	YAM	300	235	0	208	D	Japanese	J	NHK	NHK
11840	1400-1500	55,58-60	EKA	300	130	0	208	D	English	CLN	NHK	NHK
11855	2100-2200	48,52,53	ASC	250	85	0	216	D	English	J	NHK	MER
11855	2100-2200	46-48,52,53	ASC	250	85	0	216	D	English	G	NHK	NHK
11860	0100-0200	49,50,54	SNG	250	340	0	145	D	English	SNG	NHK	NHK
11860	0100-0300	49,50,54	SNG	250	340	0	145	D	En/Jpn	J	NHK	MER
11860	0200-0300	49,50,54	SNG	250	340	0	145	D	Japanese	SNG	NHK	NHK
11860	1200-1600	41	YAM	300	270	30	208	D	Japanese	J	NHK	NHK
11865	1700-1800	41	SNG	250	315	0	207	D	Japanese	J	NHK	MER
11865	1700-1800	41	SNG	250	315	0	211	D	Japanese	SNG	NHK	NHK
11890	0630-0800	41	EKA	300	350	0	146	D	Various	CLN	NHK	NHK
11890	1230-1300	41	EKA	300	350	0	146	D	Various	CLN	NHK	NHK
11890	1300-1400	41	EKA	300	350	0	146	D	Various	CLN	NHK	NHK
11895	0500-0530	10,11W	GUF	300	295	0	151	D	Spanish	GUY	NHK	NHK
11895	2200-2300	10,11W	GUF	300	295	0	151	D	Japanese	GUY	NHK	NHK

11910	0000-0100	43,44	YAM	300	290	0	146	D	Japanese	J	NHK	NHK
11910	1900-2000	43,44	YAM	300	290	0	146	D	Japanese	J	NHK	NHK
11910	2000-2400	43,44	YAM	300	290	0	146	D	Japanese	J	NHK	NHK
11920	0700-1000	55,58,59,60	SNG	250	140	-20	145	D	Japanese	J	NHK	MER
11920	0700-1000	55,58-60	SNG	250	140	-20	145	D	Japanese	SNG	NHK	NHK
11970	0430-0700	27,28	GAB	500	350	0	158	D	Various	J	NHK	NHK
11970	1700-1800	18,27,28N	YAM	300	330	25	208	D	English	J	NHK	NHK
11970	1800-1900	18,27,28N	YAM	300	330	25	208	D	Various	J	NHK	NHK
11970	2000-2100	18,27,28N	YAM	300	330	25	208	D	Various	J	NHK	NHK
12045	1500-1700	41	SNG	250	315	0	207	D	Japanese	J	NHK	MER
12045	1500-1700	41	SNG	250	315	0	207	D	Japanese	SNG	NHK	NHK
13630	2340-2400	49,50,54	YAM	300	235	0	208	D	Chinese	J	NHK	NHK
13650	0000-0015	44S,49,50,54	YAM	300	235	0	208	D	English	J	NHK	NHK
13650	2240-2400	44S,49,50,54	YAM	300	235	0	208	D	Various	J	NHK	NHK
13660	1100-1230	49,50,54	YAM	100	240	30	208	D	Various	J	NHK	NHK
13660	1230-1300	49,50,54	YAM	100	240	30	208	D	Indonesian	J	NHK	NHK
15195	0100-0200	43,44	YAM	300	290	0	146	D	Japanese	J	NHK	NHK
15195	0200-0800	43,44	YAM	300	290	0	146	D	Various	J	NHK	NHK
15220	0700-0730	46,47	ASC	250	27	0	547	D	Arabic	J	NHK	MER
15220	0700-0730	46,47	ASC	250	27	0	147	D	Arabic	G	NHK	NHK
15220	2200-2300	13,14,15	ASC	250	235	-30	216	D	Japanese	J	NHK	MER
15220	2200-2300	13,14	ASC	250	235	-30	216	D	Japanese	G	NHK	NHK
15325	0100-0500	41	YAM	300	270	30	208	D	Various	J	NHK	NHK
15325	0500-1000	41	YAM	300	270	30	208	D	Japanese	J	NHK	NHK
15355	1700-1900	52,57	GAB	500	170	0	158	D	Various	J	NHK	NHK
15400	1230-1300	46,47	ASC	250	27	0	547	D	French	J	NHK	MER
15400	1230-1300	46,47	ASC	250	27	0	147	D	French	G	NHK	NHK
15405	0600-0700	49,50,54	YAM	300	235	0	208	D	Japanese	J	NHK	NHK
15590	0630-0800	41	YAM	300	270	0	208	D	Various	J	NHK	NHK
15590	0800-1000	41	YAM	300	270	0	208	D	Japanese	J	NHK	NHK
15590	1000-1200	41	YAM	300	270	30	208	D	Japanese	J	NHK	NHK
17560	0100-0200	38,39,40	YAM	300	305	0	208	D	English	J	NHK	NHK
17560	0200-0300	39	YAM	300	305	0	208	D	Japanese	J	NHK	NHK
17560	0300-0500	38,39,40	YAM	300	305	0	208	D	Japanese	J	NHK	NHK
17585	1000-1100	28E,39N	DHA	500	315	0	218	D	English	J	NHK	MER
17585	1000-1100	18,27,28N	DHA	500	315	0	218	D	English	UAE	NHK	NHK
17605	2300-2400	14,15,16	BON	250	170	0	215	D	Japanese	HOL	NHK	NHK
17650	0800-1000	46,47	ASC	250	27	0	547	D	Japanese	J	NHK	MER
17650	0800-1000	46,47	ASC	250	27	0	147	D	Japanese	G	NHK	NHK
17665	1100-1115	38-40	EKA	300	310	0	211	D	Arabic	CLN	NHK	NHK
17675	0830-0900	38-40	EKA	300	310	0	211	D	Persian	CLN	NHK	NHK
17685	0100-0200	51,55,56,59,60	YAM	300	175	0	208	D	English	J	NHK	NHK
17685	0300-0500	51,55,56,59,60	YAM	300	175	0	208	D	Japanese	J	NHK	NHK
17720	0800-1000	38,39,40	DHA	500	285	0	218	D	Japanese	UAE	NHK	NHK
17720	0800-1100	37S,38,39	DHA	500	285	0	218	D	Jpn/En	J	NHK	MER
17720	1000-1100	38,39,40	DHA	500	285	0	146	D	English	UAE	NHK	NHK
17780	0230-0300	38-40	EKA	300	310	0	211	D	Persian	CLN	NHK	NHK
17780	0400-0430	38-40	EKA	300	310	0	211	D	Arabic	CLN	NHK	NHK
17810	0000-0015	44S,49,50,54	YAM	100	240	30	208	D	English	J	NHK	NHK
17810	0100-0600	49,50,54	YAM	300	240	-30	208	D	Various	J	NHK	NHK
17810	2240-2400	44S,49,50,54	YAM	100	240	30	208	D	Various	J	NHK	NHK
17820	0500-0530	38-40	EKA	300	310	0	211	D	French	CLN	NHK	NHK
17825	0100-0200	2,6,7,10,11	YAM	300	55	0	208	D	Various	J	NHK	NHK
17825	0300-0500	2,6,7,10,11	YAM	300	55	0	208	D	Various	J	NHK	NHK
17825	2100-2200	2,6,7,10,11	YAM	300	55	0	208	D	English	J	NHK	NHK
17825	2200-2300	2,6,7,10,11	YAM	300	55	0	208	D	Japanese	J	NHK	NHK
17835	0100-0300	14,16	YAM	100	85	0	208	D	Various	J	NHK	NHK
17845	0100-0300	43,44	YAM	300	290	0	146	D	Various	J	NHK	NHK
17845	0330-0500	43,44	YAM	300	290	0	146	D	Various	J	NHK	NHK
17845	0500-0600	43,44	YAM	300	290	0	146	D	Various	J	NHK	NHK
17860	0600-0630	44S,49,50,54	YAM	300	240	0	208	D	Chinese	J	NHK	NHK
17860	0700-0900	49,50,54	YAM	300	240	0	208	D	Japanese	J	NHK	NHK
17870	0600-0700	61	YAM	100	85	0	208	D	English	J	NHK	NHK

17870	0700-0800	61	YAM	100	85	0	208	D	Japanese	J	NHK	NHK
17870	1230-1330	48,52,53	ASC	250	85	0	607	D	French	J	NHK	MER
17870	1230-1330	46-48,52,53	ASC	250	85	0	207	D	French	G	NHK	NHK
21600	1700-1800	12,14,15	GUF	300	215	0	156	D	Japanese	GUY	NHK	NHK
21610	0300-0400	51,55,56,59,60	YAM	100	165	0	208	D	Various	J	NHK	NHK
21630	1500-1600	46-48,52,53	ASC	250	85	0	216	D	Japanese	G	NHK	NHK
21630	1500-1700	48,52,53	ASC	250	85	0	216	D	Jpn/En	J	NHK	MER
21630	1600-1700	46-48,52,53	ASC	250	85	0	216	D	English	G	NHK	NHK
21670	2100-2200	61	YAM	100	85	0	208	D	English	J	NHK	NHK
21755	0500-1100	51,55,56,59,60	YAM	100	165	0	208	D	Various	J	NHK	NHK
21820	1030-1100	27,28	GAB	500	350	0	158	D	Various	J	NHK	NHK

(WB, 22.11.2004)

KOREA (NORTH): B04 *Voice of Korea*, Pyongyang, eff. as from Dec 1st, 2004.

0000	Chinese	13650	15100	SoEaAS	4405	1500	English	7570	12015	WEu	4405			
0000	Korean (PBS)	7140	9345	9730	NoEaCHN	3560	1500	English	9335	11710	NoAM			
0000	Spanish	11735	13760	15180	CeAM	1500	Russian	6285	9325	Eu				
0100	English	7140	9345	9730	NoEaCHN	3560	1600	German	6285	9325	Eu			
0100	English	11735	13760	15180	CeAM	1600	English	9975	11535	ME, Naf	3560			
0100	French	13650	15100	SoEaAS	4405	1600	French	7570	12015	WEu	4405			
0200	Chinese	7140	9345	9730	NoEaCHN	3560	1600	French	9335	11710	NoAM			
0200	English	13650	15100	SoEaAS	4405	1700	Korean (KCBS)	7570	12015	WEu	4405			
0200	Spanish	11735	13760	15180	CeAM	1700	Korean (KCBS)	9335	11710	NoAM				
0300	Chinese	13650	15100	SoEaAS	4405	1700	Russian	6285	9325	Eu				
0300	English	7140	9345	9730	NoEaCHN	3560	1700	Spanish	9975	11535	ME, Naf	3560		
0300	French	11735	13760	15180	CeAM	1800	German	6285	9325	Eu				
0700	Japanese	621	3250	7580	9650	JPN	1800	French	7100	11710	Saf			
0700	Korean (PBS)	7140	9345	NoEaCHN	4405	1800	French	9975	11535	ME, Naf	3560			
0700	Russian	9975	11735	FE	3560	1800	Spanish	7570	12015	WEu	4405			
0700	Russian	13760	15245	Eu	1900	Arabic	7100	11710	Saf					
0800	Chinese	7140	9345	NoEaCHN	4405	1900	Arabic	9975	11535	ME, Naf	3560			
0800	Japanese	621	3250	7580	9650	JPN	1900	English	7570	12015	WEu	4405		
0800	Russian	9975	11735	FE	3560	1900	German	6285	9325	Eu				
0800	Russian	13760	15245	Eu	2000	French	7570	12015	WEu	4405				
0900	Japanese	621	3250	6070	7580	9650	JPN	2000	Korean (KCBS)	7100	11710	Saf		
0900	Korean (KCBS)	7140	9345	NoEaCHN	4405	2000	Korean (KCBS)	6285	9325	Eu				
0900	Korean (PBS)	9975	11735	FE	3560	2000	Korean (KCBS)	9975	11535	ME, Naf	3560			
0900	Korean (PBS)	13760	15245	Eu	2100	Chinese	7180	9345	NoEaCHN	3560				
1000	English	9335	9850	CeAM	2100	Chinese	9975	11535	CHN					
1000	English	6185	6285	SoEaAS	3560	2100	English	7570	12015	WEu	4405			
1000	Japanese	621	3250	6070	7580	9650	JPN	2100	Japanese	621	3250	7580	9650	JPN
1000	Korean (PBS)	7140	9345	NoEaCHN	4405	2200	Chinese	7180	9345	NoEaCHN	3560			
1100	Chinese	7140	9345	CHN	4405	2200	Chinese	9975	11535	CHN				
1100	French	9335	9580	CeAM	2200	Spanish	7570	12015	WEu	4405				
1100	French	6185	6285	SoEaAS	3560	2200	Japanese	621	3250	7580	9650	JPN		
1100	Japanese	621	3250	6070	7580	9650	JPN	2300	Japanese	621	3250	7580	9650	JPN
1200	Japanese	621	3250	6070	7580	9650	JPN	2300	Korean (KCBS)	7180	9345	NoEaCHN	3560	
1200	Korean (KCBS)	9335	9850	CeAM	2300	Korean (KCBS)	7570	12015	WEu	4405				
1200	Korean (KCBS)	6185	6285	SoEaAS	3560	2300	Korean (KCBS)	9975	11535	CHN				
1200	Korean (PBS)	7140	9345	NoEaCHN	4405	80	program sections to various targets.							
1300	Chinese	6185	9850	SoEaAS	3560	Target	Voice of Korea B-04 schedule, Pyongyang.							
1300	English	7570	12015	WEu	4405	CeAM	CeAmerica	CHN	China					
1300	English	9335	11710	NoAM	1300	Eu	Europe	FE	Far East					
1300	Korean (PBS)	6285	9325	Eu	1400	JPN	Japan	ME	Middle East					
1400	French	7570	12015	WEu	4405	Naf	NoAfrica	NoAM	NoAmerica					
1400	French	9335	11710	NoAM	1400	NoEaCHN	NorthEast China	Saf	SoAfrica					
1400	Korean (KCBS)	6185	9850	SoEaAS	3560	SAm	SoAmerica	SoEaAS	SouthEast Asia					
1400	Russian	6285	9325	Eu	1500	WEu	Western Europe							
1500	Arabic	9975	11535	ME, Naf	3560									

(NDXC, Olle Alm, Noel R. Green; via WB, 2004 Dec 2)

NETHERLANDS: Schedule B04 of *Radio Netherlands* valid 31st October 2004 - 27th March 2005. Schedule includes relay transmissions of other broadcast stations. Postal address: Radio Netherlands, P.O. Box 222, 1200 JG Hilversum, The Netherlands. Fax +31 35 6724239, WWW: <<http://www.rnw.nl>>.

UTC	Site	kHz	Beam	kW	Service	Target
0000-0100	Bonaire	9845	350	250	English	N America e

0000-0100	Bonaire	9745	290	250	China R Int	Mexico
0000-0200	Bonaire	15315	170	250	Spanish	S America s
0000-0200	Madagascar	9895	265	500	Spanish	S America n
0100-0200	Bonaire	6165	335	250	English	N America c
0100-0200	Madagascar	11550	50	250	R Sweden	S Asia
0200-0400	Madagascar	9895	280	500	Spanish	CAm/Carib.
0200-0300	Bonaire	9590	290	250	Spanish	Mex/Caribbean
0200-0300	Bonaire	6165	275	250	Spanish	C America
0230-0330	Madagascar	3215	20	50	AWR	Madagascar
0300-0400	Bonaire	6165	335	250	Dutch	N America c
0300-0400	Bonaire	9590	290	250	Dutch	Mex/C America
0400-0500	Bonaire	6165	320	250	English	N America w
0400-0500	Bonaire	9590	320	250	English	N America w
0400-0500	Bonaire	6100	305	250	D. Welle	N America w
0430-0500 (Sat-Tues)	Madagascar	12060	325	250	The R. Nile	East Africa
0430-0500 (Sat-Tues)	Madagascar	15320	335	250	The R. Nile	East Africa
0500-0600	Madagascar	9845	280	250	Family R.	C + S Africa
0500-0556	Bonaire	9590	320	250	RVI	N America w
0600-0700	Bonaire	6165	320	250	Dutch	N America w
0600-0656	Flevo	7125	123	500	Dutch	C & SE Europe
0600-0757	Flevo	6015	191	500	Dutch	S Europe
0600-0656	Wolvertem	1512	ND	300	Dutch	C + W Europe
0600-0658	Hörby	5955	190	500	Dutch	W+C+E Europe
0656-0857	Flevo	9895	205	500	Dutch	SW Europe
0658-1715 (SS 1700)	Flevo	5955	ND	500	Dutch	W Europe
0700-0800	Bonaire	9625	230	250	Dutch	NZ/Australia
0700-0800	Bonaire	11655	230	250	Dutch	NZ/Australia
0759-0858	Flevo	11935	191	500	Dutch	S Europe
0857-1600 (Sat/Sun)	Flevo	9895	205	500	Dutch	SW Europe
0900-1557 (Sat/Sun)	Flevo	13700	191/123	2x500	Dutch	S & SE Europe
0930-1015 (Mon-Sat)	Bonaire	6020	110	250	Dutch	Surinam
1000-1200 (exc. Sat)	Flevo DRM	7240	123	40	English	C & E Europe
1000-1100 (Sat)	Flevo DRM	7240	123	40	English	C & E Europe
1100-1200 (Sat)	Flevo DRM	7240	123	40	TDP Radio	C & E Europe
1000-1100	Bonaire	9790	230	250	English	NZ/Australia
1000-1100	Irkutsk	12065	152	250	English	E + SE Asia
1000-1100	Petro. Kamchatski	7315	244	250	English	Far East
1000-1100	Khabarovsk	13820	218	100	English	E Asia
1100-1130	Bonaire	6165	320	250	Spanish	Car/Florida
1100-1200	Bonaire	9715	170	250	Spanish	S America nw
1100-1300	Madagascar	17580	85	250	Indonesian	Indonesia
1100-1300	Madagascar	21480	85	250	Indonesian	Indonesia
1100-1200	Singapore	9795	140	100	Indonesian	Indonesia
1130-1140 (Mon-Fri)	Bonaire	9490	230	250	R Sweden	NZ/Australia/S America N
1200-1257	Flevo DRM	7240	123	40	Dutch	C & E Europe
1200-1300	Bonaire	9890	350	250	Dutch	N America e
1200-1300	Singapore	9795	140	250	Indonesian	Indonesia
1200-1300	Flevo DRM	7240	123	40	English	C & E Europe
1200-1230	Bonaire	9715	290	250	Spanish	C America
1200-1300	Bonaire	11675	350	250	English	N America e
1300-1330	Flevo DRM	7240	123	40	R Sweden German	C & E Europe
1300-1400	Tashkent	12070	131	100	Dutch	SE Asia/ W Australia
1300-1400	Madagascar	17815	85	250	Dutch	SE Asia
1300-1400	Madagascar	21480	45	250	Dutch	South Asia
1300-1400	Petro. Kamchatski	7380	244	250	Dutch	FE+ E + SE Asia
1300-1400	Khabarovsk	9940	218	100	Dutch	E + SE Asia
1330-1400	Flevo DRM	7240	123	40	R Sweden English	C & E Europe
1400-1600	Madagascar	15595	50	250	English	South Asia
1400-1600	Madagascar	12080	50	250	English	South Asia
1400-1600	Tashkent	9345	131	100	English	South Asia
1400-1430	Flevo DRM	7240	123	40	RCI	C & E Europe
1430-1500	Flevo DRM	7240	123	40	English	C & E Europe
1430-1530	Madagascar	17495	55	50	Dem. V. of Burma	SE Asia
1500-1514	Flevo DRM	7240	123	40	Vatican R German	C & E Europe
1530-1630	Madagascar	3215	55	50	AWR	Madagascar
1559-1700	Flevo	11655	191	500	Dutch	S Europe
1600-1800	Flevo	9895	205/127	500	Dutch	SW Europe/SE Europe
1600-1700	Madagascar	13840	360	250	Dutch	Middle East
1600-1800	Madagascar	13700	335	250	Dutch	S Europe/E Africa/ME
1630-1700	Madagascar	3215	20	50	Fiangonana Loterana Malagasy	Madagascar
1700-1800	Madagascar	7120	265	50	V of the People	Zimbabwe
1700-1800	Madagascar	6020	255	250	Dutch	South Africa
1700-1800	Flevo	11655	142	500	Dutch	East Africa
1715-1800	Hörby	5955	190	500	Dutch	W+C+E Europe
1800-1900	Madagascar	6020	255	250	English	South Africa
1800-2100	Madagascar	11655	305	250	English	C + W Africa
1800-2000	Flevo	9895	142	500	English	East Africa

1800-1900	Madagascar	11805	320	50	Family R.	East Africa
1900-2100	Madagascar	7120	270	250	English	C + S Africa
1900-2100	Bonaire	17810	80	250	English	W Africa
1900-2100 (Sat/Sun)	Bonaire	17725	350	250	English	N America e
1900-2100 (Sat/Sun)	Bonaire	15315	320	250	English	N America c
1900-2100 (Sat/Sun)	Sackville	17875	285	250	English	N America w
1900-2100	Madagascar	6020	255	50	Family R.	Africa e
2000-2100	Flevo	9895	191	500	English	West Africa
2100-2200	Bonaire DRM	15530	320	10	English	USA southeast
2100-2200	Bonaire	15315	133	250	Dutch	Surinam/NE Brazil
2100-2200	Bonaire	17810	80	250	Dutch	West Africa
2100-2200	Madagascar	7120	280	250	Dutch	Central Africa
2100-2200	Madagascar	9895	305	250	Dutch	Central Africa
2130-2200	Sackville DRM	9800	268	70	English	N America e
2200-2300	Wolvertem	1512	ND	300	English	C + W Europe
2200-2300	Bonaire	15315	170	250	Dutch	S America s
2200-2300	Bonaire DRM	15530	320	10	Spanish	USA southeast
2200-2300	Madagascar	7285	85	250	Indonesian	Indonesia
2200-2400	Madagascar	9590	75	250	Indonesian	Indonesia
2200-2400	Singapore	6120	140	250	Indonesian	Indonesia
2200-2256	Bonaire	11730	350	250	RVI	N America e
2200-2300	Bonaire	6165	320/250	250	Adventist World R.	Caribbean/Florida
2300-2400	Bonaire	6165	320/150	250	Adventist World R.	Caribbean/Florida
2300-2400	Madagascar	11895	85	250	Indonesian	Indonesia
2300-2400	Bonaire	15315	185	250	Dutch	S America w
2300-2400	Bonaire	17605	170	250	NHK Japan	S America
2300-2400	Flevo	9895	230	500	Spanish	S America s
2300-2400	Sackville	9525	189	250	Dutch	S America n/Caribbean

(RNW website updated 17 Nov, 2004; via JKB)

ROMANIA: B04 schedule of *Radio Romania International - RRI*, valid between October 31th, 2004 - March 26th, 2005. Homepage at the internet is <<http://www.rri.ro>> and postal address is: Radio Romania International, PO Box 111, Bucharest.

Arabic:	0200-0300	6130, 9615	
Maghreb	Europe Occidentale		
0730-0800	15280, 17720	0600-0630	7160, 9650, 7180, 9565
1500-1600	15255	1100-1200	15260, 17845
Mashrek		1700-1800	6110, 7135
0730-0800	15145, 17755	2000-2030	6055, 7120
1500-1600	9655	Maghreb	
Aromanian:		1100-1200	15315, 17790
Macedonia		German:	
1600-1630	6175	Western and Central Europe	
1800-1830	7130	0700-0730	7275, 9635, 7160, 9655
2000-2030	6130	1200-1300	9610, 11940, 9690, 11730
Chinese:		1900-2000	6140, 7140
China		Italian:	
0500-0530	15160, 17735	Italy	
1400-1430	9635, 11885	1630-1700	7105
English:		1830-1900	6110
North America		2030-2100	6130
0100-0200	6140, 9615	Romanian:	
0400-0500	6125, 9515	Western and Central Europe	
2130-2200	6015, 9540	1300-1400	15170, 17825
2300-2400	6180, 9610	1800-1900	6040, 7140
Australia		Western and South Europe	
0100-0200	9510, 11740	1500-1600	11740, 15150
Western Europe		1900-2000	6040, 7125
0630-0700	9565, 11710	Israel	
1300-1400	15105, 17745	1700-1800	6055, 7220
1800-1900	5965, 7130	Russian:	
2130-2200	6055, 7145	Eastern Russia	
2300-2400	6135, 7105	0530-0600	6055, 7135
India		European Russia	
0400-0500	11870, 15250	1430-1500	7120, 9520
French:		1600-1700	6125, 7135
Canada		Serbian:	

Former Yugoslavia		0000-0100	9525, 11935
1530-1600	7105	0300-0400	9615, 11870
1730-1800	6135	Spain	
1930-2000	6105	2000-2100	7140, 9570
Spanish:		Ukrainian:	
Argentina		Ukraine	
0000-0100	9745, 11960	1500-1530	6145
0300-0400	9545, 11895	1700-1730	6135
2200-2300	9575, 11940	1900-1930	6175
Mexico			

(RRI website via JKB, 2004 Nov 4)

RUSSIA: *Russian schedules* B04:

Voice of Russia, World Russian Service, B04:

0200-0300	6195 7150 7240 7260 7350 12010 13665	1600-1700	5940 5995 6045 6185 7445
0300-0400	7150 7240 7260 7330 12010 13665	1700-1900	5940 5995 6045 7445
1300-1400	5995 6145 7260 7365 9495 9770 9830 15460	1900-2000	5940 6045 7445
1400-1500	5995 6205 7260 7315 9495 9770 9830 15460	Russian International Radio, B04	
1600-1700	5945 7315	0000-0200	7125
1800-1900	7360 7400	0200-0400	5995 7125
2000-2100	6170 7310 7400 7445	0400-0600	7125
2100-2200	7445	1100-1200	12025
Voice of Russia, "Sodruzhestvo" Service, B04:		1500-1800	7155 7360
1300-1400	6185	1800-1900	7155
1400-1500	6045 6185 7365	2000-2100	5965 5975
1500-1600	5940 5995 6045 6185 7365 7445 9555	2100-2200	5965 5975 5990

(Nikolai Rudnev / NASWA Listeners Notebook, via Al Quaglieri; December 04, 2004)

SLOVAKIA: *Radio Slovakia International - RSI* was created in 1993, almost simultaneously with the emergence of independent Slovakia, its duty being to give other countries information about the new state and to keep contact with the numerous expatriate communities. Organizationally, it is a relatively autonomous unit within the Slovak Radio. Its programmes are broadcast in English, German, French, Russian and in Slovak for expatriates. The 30-minutes magazines broadcast daily contain news from Slovakia, features on Slovak economy, sciences, culture, geography, environment, sports, examples of verbal and musical arts and portraits of important personalities. Radio Slovakia International broadcasts worldwide on SW, satellites and Internet. This is the B04 schedule, valid from October 31, 2004 to March 27, 2005:

0100-0130	North America	English	7230		Eastern Europe, Asia	Russian	11990
	South America	English	9440	1630-1700	Western Europe	Slovak	5915
0130-0200	North America	Slovak	7230		Western Europe	Slovak	6055
	South America	Slovak	9440	1700 730	Western Europe	German	5915
0200-0230	North America	French	7230		Western Europe	German	6055
	South America	French	9440	1730-1800	Western Europe	English	5915
0230-0300	South America	Spanish	7230		Western Europe	English	6055
	South America	Spanish	9440	1800-1830	Western Europe	French	5915
0700-0730	Australia	English	15460		Western Europe	French	6055
	Australia	English	13715	1830-1900	Eastern Europe, Asia	Russian	5915
0730-0800	Australia	Slovak	15460		Eastern Europe, Asia	Russian	9485
	Australia	Slovak	13715	1900-1930	Western Europe	German	5915
0800-0830	Western Europe	German	5945		Western Europe	German	7345
	Western Europe	German	6055	1930-2000	Western Europe	English	5915
1400-1430	Eastern Europe, Asia	Russian	9440		Western Europe	English	7345
	Eastern Europe, Asia	Russian	11990	2000-2030	Western Europe	Slovak	5915
1430-1500	Western Europe	German	6055		Western Europe	Slovak	7345
	Western Europe	German	7345	2030-2100	Western Europe	French	5915
1530-1600	Western Europe	Spanish	9445		Western Europe	French	7345
	Western Europe	Spanish	11600	2100-2130	South and Central America	Spanish	9460
1600-1630	Eastern Europe, Asia	Russian	5915		South and Central America	Spanish	11610

(RSI schedule at the web last modified on 10 Nov 2004, via JKB)

SOUTH AFRICA: *Channel Africa* Shortwave Transmissions B04, 31 October 2004 to 26 March 2005:

TIME UTC	KHz	CHANNEL	TARGET AREA	LANGUAGE	0300-0355	9685	2	East & Central Africa	Swahili
Morning Programmes					0300-0355	7390	1	East & Central Africa	English

0300-0459	3345	1	Southern Africa	English	1200-1300	11825	1	Southern Africa	Chinyanja
0400-0455	9565	2	Central Africa	French	1300-1400	11825	1	Southern Africa	Silozi
0500-0555	11875	1	West Africa	English	1400-1559	11825	1	Southern Africa	English
0500-0659	7240	1	Southern Africa	English	Evening Programmes				
0600-0655	15220	1	Far West Africa	English	1500-1555	17780	2	East & Central Africa	Swahili
0700-0800	11825	1	Southern Africa	English	1500-1555	17770	1	East & Central Africa	English
0800-0900	11825	1	Southern Africa	Chinyanja	1600-1655	15285	2	West Africa	French
0900-1000	11825	1	Southern Africa	Silozi	1700-1755	15285	1	West Africa	English
Day Time Programmes					1900-2000	3345	1	Southern Africa	Portuguese
1000-1200	11825	1	Southern Africa	English	2000-2200	3345	1	Southern Africa	English

(Ch. Africa website modified on 1. Nov 2004, via JKB)

Relay transmissions over **SENTECH** facilities B04. Schedule effective 31 October 2004 to 26 March 2005.

UTC	kHz	kW	Target Area	Language
ADVENTIST WORLD RADIO				
1700-1730	12130	250	East Africa	Swahili
1730-1800	12130	250	East Africa	Masai
1800-1830	3215	100	Botswana & Namibia	English
1800-1830	3345	100	Zimbabwe & Zambia	English
1800-1900	11925	250	East Africa	English
1930-2000	15255	250	Nigeria	Hausa
1930-2000	15365	500	Nigeria	Ibo
2000-2030	11845	250	Congo & Gabon	French
2000-2100	15295	250	Central Africa	English
2030-2100	11845	250	Nigeria	Yoruba
2000-2030	15365	250	Central Africa	French
BBC				
0300-0330	9610	500	East & Central Africa	Swahili
0300-0500	3255	100	Southern Africa	English
0300-0500	6190	100	Southern Africa	English
0300-0700	11765	250	West Africa	English
0400-0430	15400	250	East Africa	Swahili
0430-0500	3390	100	S.Mozambique	Portuguese
0430-0500	6135	250	N.Mozambique	Portuguese
0430-0500	7205	500	Angola	Portuguese
0500-1700	6190	100	Southern Africa	English
0500-1700	11940	100	Southern Africa	English
0530-0600	15400	250	East & Central Africa	Kirundi **
0700-0730	17695	500	Central Africa	French
1500-1530	21490	500	East & Central Africa	English
1530-1615	21490	500	East & Central Africa	Swahili**
1530-1700	21490	500	East & Central Africa	Swahili / Kirundi*
1615-1700	21490	500	East & Central Africa	English**
1700-1900	15420	250	East & Central Africa	English
1700-2200	3255	100	Southern Africa	English
1700-2200	6190	100	Southern Africa	English
1730-1745	3390	100	Southern Africa	English Teaching
1730-1745	7230	500	East & Central Africa	English Teaching
1730-1745	9685	500	Angola & West Africa	English teaching
1745-1800	7230	500	East & Central Africa	Swahili
1800-1830	7230	250	Indian Ocean Isles	French
2030-2100	3390	100	S. Mozambique	Portuguese
2030-2100	6135	250	N. Mozambique	Portuguese
2030-2100	7205	500	Angola	Portuguese
*Monday to Friday** Saturday and Sunday				
CHANNEL AFRICA				
0300-0355	9685	250	East & Central Africa	Swahili
0300-0355	7390	500	East & Central Africa	English
0300-0500	3345	100	Southern Africa	English
0400-0455	9565	250	Central Africa	French
0500-0555	11875	500	West Africa	English
0500-0700	7240	100	Southern Africa	English
0600-0655	15220	500	Far West Africa	English
0700-0800	11825	100	Southern Africa	English

0800-0900	11825	100	Southern Africa	Chinyanja	
0900-1000	11825	100	Southern Africa	Silozi	
1000-1200	11825	100	Southern Africa	English	
1200-1300	11825	100	Southern Africa	Chinyanja	
1300-1400	11825	100	Southern Africa	Silozi	
1400-1600	11825	100	Southern Africa	English	
1500-1555	17780	250	East & Central Africa	Swahili	
1500-1555	17770	500	East & Central Africa	English	
1600-1655	15285	500	West Africa	French	
1700-1755	15285	500	West Africa	English	
1900-2000	3345	100	Southern Africa	Portuguese	
2000-2200	3345	100	Southern Africa	English	
FAMILY RADIO					
1900-2100	3230	100	Southern Africa	English	
FEBA RADIO					
1500-1545	12125	250	Sudan	Nuer/Dinka	
1545-1600	12125	250	Mozambique/Tanzania	Makonde	
1600-1700	12125	250	Ethiopia	Amharic	
RADIO FRANCE INTERNATIONAL					
0300-0400	7135	250	Central & East Africa	French	
0700-0800	15170	250	West & Central Africa	French	
1100-1200	17850	250	Central Africa	French	
1200-1400	17850	250	West & Central Africa	French	
1230-1300	21760	250	Central & West Africa	French	
1600-1700	15160	250	Central & West Africa	English	
1600-1700	9730	100	Southern Africa	English	
1900-2200	7160	250	North and Central Africa	French	
RADIO SONDER GRENSE					
0500-0700	7185	100	Northern Cape, RSA	Afrikaans	
0700-1700	9650	100	Northern Cape, RSA	Afrikaans	
1700-0500	3320	100	Northern Cape, RSA	Afrikaans	
RADIO VLAANDEREN INTERNATIONAL					
0600-0630	15530	250	Central Africa	Dutch	
1130-1200	17745	500	Central Africa	Dutch*	
1200-1230	17745	250	Central Africa	Dutch	
* Sundays only					
SOUTH AFRICAN RADIO LEAGUE					
0800-0900*	9750	100	Southern Africa	English	
0800-0900*	17700	250	East & Central Africa	English	
1900-2000**	3215	100	Southern Africa	English	
* Sunday** Monday					
TRANS WORLD RADIO					
0330-0345	7215	250	Ethiopia	Sidamo	34
0330-0345	7215	250	Ethiopia	Amharic	567
0600-0645	11640	500	Nigeria	English	12345
0600-0615	11640	500	Nigeria	English	67
1600-1630	9675	250	Burundi	Kirundi	1234567
1625-1655	9660	500	Somalia	Somali	1234567
1645-1700	9930	250	Ethiopia	Oromo	123
1645-1700	9930	250	Ethiopia	Kambaata	45
1645-1700	9930	250	Ethiopia	Hadiya	67
1657-1712	9660	500	Sudan	Juba	23456
1657-1727	9930	500	Sudan	Juba	17
1700-1730	9930	250	Ethiopia	Amharic	1234567
1703-1718	7265	250	Mozambique	Sena	1234567
1718-1733	7265	250	Mozambique	Yao	1234567
1730-1745	9930	250	Ethiopia	Oromo	7
1730-1800	9930	250	Ethiopia	Oromo	12345
1730-1800	9930	250	Ethiopia	Amharic	6
1733-1748	7265	250	Mozambique	Yao	257
1755-1825	9620	500	Ivory Coast	French	67
1755-1825	9620	500	Burkina Faso	Pulaar	12345
1755-1825	9620	500	Ivory Coast	French	67

1810-1840	9720	250	Ivory Coast	Bambara	1234567
1830-1900	9510	500	Sahel	Fulfulde	1234567
1830-1900	9695	500	Nigeria	Hausa	1234567
1840-1910	9720	250	Burkina Faso	Songhai	5
1840-1925	9720	250	Ivory Coast	French	123467
1900-1930	9510	500	Nigeria	Yoruba	1234567
1900-1915	9695	500	Nigeria	Kanuri	1234567
1910-1925	9720	250	Mali	Moore	5
1925-1940	9720	250	Burkina Faso	Songhai	6
1945-2015	9510	500	Nigeria	Igbo	7
1945-2000	9510	500	Nigeria	Igbo	6
1930-1945	9510	500	Ghana	Ewe	67
1925-1940	9510	500	Mali, Burkina Faso	Moore	12345

(1=Mon .. 7=Sun)

UNITED NATIONS RADIO

1700-1715	7170	100	Madagascar	French*
1700-1715	21535	500	Central Africa	French*
1730-1745	7170	100	Southern Africa	English*

*Monday to Friday

(SENTECH website via JKB, 10 November 2004)

USA: VOA Frequencies B04 in effect 31 Oct. 2004 through 26 March 2005.

Afan Oromo	0330-0400 UTC 909 1530 6035 6080 7290 9885
1600-1630 UTC Mon-Fri 11665 11965 15750	0400-0430 UTC 909 1530 4960 6080 7290 9575 9775 9885
Albanian	0430-0500 UTC 909 4960 6080 7290 9575 9775
0600-0630 UTC 1215 6030 7115 9635	0500-0600 UTC 909 6035 6105 7295 13710
1700-1730 UTC 5990 11665 11855	0600-0630 UTC 909 1530 6035 6080 6105 7295 11835 13710
1930-2000 UTC 1458 7115 9565	0600-0630 UTC Mon-Fri 11995
Amharic	0630-0700 UTC 6080 7295 11835
1800-1830 UTC 11690 13755 13800	0700-0900 UTC 5995 11655
1830-1900 UTC Sat&Sun 11690 13755 13800	1500-1600 UTC 13865 17715 17895
Arabic (Radio Sawa)	1600-1700 UTC 909 1530 15240 17715 17895
0000-0800 UTC 89.2 90.5 92.6 95.7 98.1 98.7 100.8 990 1260 1548	1700-1800 UTC 13710 15240 15445
0800-2400 UTC 89.2 90.5 92.6 95.7 98.1 98.7 100.8 990 1548	1800-1900 UTC 909 6035 11975 13710 15240 17895
Azerbaijani	1900-2000 UTC 909 4940 6035 11975 13710 15240 15580 17895
1830-1900 UTC 9750 9800 11770	2000-2030 UTC 909 1530 4940 6035 11975 13710 15240 15580
Bangla	2030-2100 UTC 909 1530 6035 11975 13710 15240 15580
0130-0200 UTC 11520 15160 15210	2030-2100 UTC Sat&Sun 4940
1600-1700 UTC 1575 7280 11520 15185	2100-2200 UTC 909 1530 6035 11975 13710 15580
Bosnian	English to Zimbabwe
1600-1615 UTC Mon-Fri 1197	1730-1800 UTC 909 11975 17895
2230-2300 UTC Mon-Fri 792 1197	English to Afghanistan
Burmese	2030-2230 UTC 1296 11835
1130-1200 UTC 1575 6140 9890 15225	2230-2330 UTC 1296 11935
1430-1500 UTC 1575 5955 9325 11965	2330-0030 UTC 1296 11995
2330-2400 UTC 6135 7260 9710	English to Far East Asia, South Asia, and Oceania
Cantonese	0000-0030 UTC 1575 7215 9890 11760 15185 15290 17740
1300-1500 UTC 1143 9705 11930 15160	0100-0200 UTC 7200 11705 11820 17740
Chinese (Mandarin)	0200-0300 UTC Mon-Fri 7200 11705 11820 17740
0000-0200 UTC 7190 9545 11925 15395 17765 21580	1100-1130 UTC Sat&Sun 1575
0200-0300 UTC 11925 15395 17765 21580	1200-1230 UTC 1143 6110 9645 9760 11705 11715 15665
0700-0900 UTC 11855 11965 12010 13650 13765 15515	1230-1300 UTC 6110 9645 9760 11705 11715 15665
0900-1100 UTC 9845 11855 11965 12010 13650 13765 15515 15665	1300-1400 UTC 6110 9645 9760 11705
1100-1200 UTC 1143 6160 9530 9680 11785 11965 12040	1400-1500 UTC 6110 7125 9645 9760 11705 15425
1200-1300 UTC 6160 9530 9680 11785 11965 11995 12040	1500-1600 UTC 7125 9645 11780 13735
1300-1400 UTC 6160 7390 9680 9790 11785 12040	1600-1700 UTC 1143 6160 7125 9645 9760
1400-1500 UTC 6160 7390 9680 9790 11785	2200-2400 UTC 7215 9890 15185 15290 15305 17740
2200-2300 UTC 5905 6025 6045 7140	2230-2400 UTC Fri&Sat 1575
Creole	English-Special
1230-1300 UTC Mon-Fri 9535 11890 15265	0030-0100 UTC to Asia 1575 1593 7215 9890 15185 15290 17740
1730-1800 UTC 15385 17565 21540	0130-0200 UTC Tue-Sat to Latin America 7405 9775 13740
2200-2230 UTC 9525 9670 21540	1500-1530 UTC to Asia 6110 9760 9795 9825 15460
Croatian	1500-1530 UTC Sat&Sun to Asia 1575
0530-0600 UTC 756 1197 1395 7165 9635 9655	1530-1600 UTC to Asia 1575 6110 9760 9795 9825 15460
1930-2000 UTC 1197 6050 7105 7270	1600-1700 UTC to Africa 13600 15445 17640
Dari (Radio Ashna)	1900-2000 UTC to Middle East 9785 12015 13640
0130-0230 UTC 100.5 972 1296 9335 11995	2230-2300 UTC to China 9545 9785 13755
1500-1530 UTC 100.5 972 1296 12140 15615	2300-2330 UTC to Asia 1593 6180 7205 9780
1630-1730 UTC 100.5 972 1296 11685 11770	2330-2400 UTC to Asia 7205 9620 11805 13640 15205
1800-1830 UTC 100.5 972 1296 11730 11770	French to Africa
1930-2030 UTC 100.5 972 1296 11835	0530-0600 UTC Mon-Fri 1530 5890 7265 9480 9505
English to Europe, Middle East, and North Africa	0600-0630 UTC Mon-Fri 5890 7265 9480 9505
0900-1200 UTC 15615 17555	1830-2000 UTC 1530 9815 11725 12080 13735 15220 17580 21485
1500-1700 UTC 9685 9855 15255	2000-2030 UTC 9815 11725 12080 13735 15220 21485
2000-2100 UTC 1593	2030-2100 UTC Sat&Sun 9780 9815 11775 12080 15220 21485
2200-2300 UTC 1593	2100-2130 UTC Mon-Fri 5985 9780 9815 21485
2330-0030 UTC 1593	Georgian
English to Africa	1530-1600 UTC 9615 11965 13645
0300-0330 UTC 909 1530 6035 6080 7290 7340 9885	Hausa

0500-0530 UTC	1530 4960 7105 9885	1400-1700 UTC	1170 9435 13680 15410
1500-1530 UTC	7135 9810 11680	1700-1900 UTC	1170 7580 11845 13680
1800-1830 UTC	Sat 1530 4940 9830 11825 17785	1900-2000 UTC	1170 6140 7550 9335
2030-2100 UTC	Mon-Fri 4940 9780 9815 11775 12080 15220 21485	2000-2130 UTC	1170 7550 9335 9785
Hindi		2130-0030 UTC	1170
0030-0100 UTC	5955 7135 11730	Portuguese to Africa	
1600-1700 UTC	6060 9595 11730	0430-0500 UTC	1530 5890 6015 9480 9675
Indonesian		1700-1730 UTC	1530 11775 15545
1130-1230 UTC	7215 7255 9720 15160	1730-1800 UTC	1530 9805 11775 21485
1400-1500 UTC	11760 11985 15105	1800-1830 UTC	Mon-Fri 1530 7290 9805 21485
2200-2330 UTC	7130 9620 11805 15205	Russian	
Khmer		1400-1500 UTC	11805 11895 15130 15370 15450 17730
1330-1430 UTC	1575 5955 9325 11965	1800-1900 UTC	3980 6105 7220 9520 9650 11885
2200-2230 UTC	1575 6060 7260 9535 13640	1900-2000 UTC	3980 6105 7220 9505 9520 9650 9750
Kinyarwanda/Kirundi		Serbian	
0330-0430 UTC	7340 9785 11915	0630-0700 UTC	1458 6035 7105 7115
1600-1630 UTC	Sat 11665 11965 17785	2030-2100 UTC	792 7175 9505 9805
Korean		2200-2230 UTC	Mon-Fri 756 7155 9540 9655
1300-1400 UTC	648 5985 7235 9555 15250	Shona	
1400-1500 UTC	7235 9555 15250	1700-1720 UTC	909 11975 17895
2000-2030 UTC	5995 7110 11825	Spanish	
2030-2100 UTC	5995 7110 11825 12065	0100-0200 UTC	9480 9560 9885 11700 11990
Kurdish		1100-1200 UTC	9535 11890 15265
0500-0600 UTC	5995 7115 11855	1200-1230 UTC	9480 9535 11890 13715 15265
1400-1500 UTC	1593 13740 15530 17750	Swahili	
1700-1800 UTC	7145 7570 9325	1630-1700 UTC	17580 17705 21480
1900-2000 UTC	6040 7255 9325	1700-1730 UTC	Mon-Fri 17580 17705 21480
Laotian		Tibetan	
1230-1300 UTC	1575 6030 7215 11930	0000-0100 UTC	7200 7255 9555
Ndebele		0400-0600 UTC	15585 17770 21570
1720-1730 UTC	909 11975 17895	1400-1500 UTC	6015 7115 11790 12040
Pashto (Radio Ashna)		Tigrigna	
0030-0130 UTC	100.5 972 1296 9335 11995	1630-1700 UTC	Mon-Fri 11715 11965 15750
1430-1500 UTC	100.5 972 1296 12140 15615	Turkish	
1530-1630 UTC	100.5 972 1296 12140 15615	0430-0500 UTC	Mon-Fri 792 7200 9835 9850
1730-1800 UTC	100.5 972 1296 11730 11770	1130-1200 UTC	Mon-Fri 9555 11870 15150
1830-1930 UTC	100.5 972 1296 11750	1900-2000 UTC	792 9485 9590 11875
Persian		Ukrainian	
0300-0400 UTC	7200 9435 17855	0500-0600 UTC	3985 6170 9875
1700-1800 UTC	1593 6160 9680 12110	2100-2130 UTC	7295 9650 11875
1800-1900 UTC	648 1593 6160 9495 9680	Urdu (Radio Aap ki Duniya)	
1900-2000 UTC	1593 6160 9680 9980	1400-1500 UTC	972 9510 12150 15540
Persian (Radio Farda)		1500-1700 UTC	972
0030-0230 UTC	1170 9585 9795 15690	1700-1800 UTC	972 7260 9785 11975
0230-0400 UTC	1170 7105 9585 9795	1800-0100 UTC	972
0400-0600 UTC	1170 9585 9795 12015	0100-0200 UTC	972 6170 9705 11730
0600-0800 UTC	1170 9585 15290 17675	Vietnamese	
0800-0830 UTC	1170 9585 11845 15290	1300-1330 UTC	1575 9325 9890 15150
0830-1030 UTC	1170 11845 13680 15690	1500-1600 UTC	1143 5955 7150 9725 9780
1030-1230 UTC	1170 13680 15690 17595	2230-2330 UTC	6060 7260 9535 13640
1230-1400 UTC	1170 9435 13680 15690		

(Dragan Lekic via WDXC-HQ, November 08, 2004)

Global Catholic Radio - WEWN frequency guide B04 effective October 31, 2004 - March 27, 2005. WEWN is a privately-owned Catholic radio station, operated by the Eternal Word TV Network (EWTN). Station began broadcasting on 28th December 1992. Email Contact Glen Tapley, Frequency Manager, <gtapley@ewtn.com>. Postal Address: 5817 Old Leeds Road Irondale, AL. 35210, USA.

UTC	North America (English/Spanish)	Latin America (Spanish)	Europe/Africa (English)
0000	5825	7425/11530	5825*
0100	5825	7425/11530	5825*
0200	5825	7425/11530	5825*
0300	5825	7425/11530	5825*
0400	5825	7425/11530	5825*
0500	5825	7425/11615	7570
0600	5825	7425/11615	7570
0700	5825	7425/11615	7570
0800	5825	7425/11875	OFF AIR
0900	5825	7425/11875	OFF AIR
1100	5825	7425/11875	OFF AIR
1200	5825	7425/11875	OFF AIR
1300	9955	7425/15745	15745
1400	9955	11530/15745	15745
1500	9955	11530/15745	15745
1600	13615	11530/15745	15695
1700	13615	11530/15745	15695

1800	13615	11530/15745	15695
1900	13615	11530/15745	15695
2000	13615	11530/15745	17595
2100	13615	11530/15745	17595
2200	9975	111530/15745	15695
2300	9975	7425/11530	15695

* = * Secondary service to Europe during this time - signal strength marginal

** = Primary is Africa -- Secondary is Europe

(EWTN web page modified on 10 Nov 2004, via JKB)

Sources & Contributors:

BC-DX News Bulletin by Wolfgang W. Bueschel - Germany.
 JKB Dr. Juergen Kubiak, Berlin - Germany.
 NASWA North American Shortwave Association - USA.
 NDXC Nagoya DXers Circle - Japan.
 WB Wolfgang W. Bueschel, Stuttgart - Germany.
 WWDXC-HQ WWDXC Headquarter, Michael Bethge - Germany.

Abbreviations:

<i>Target:</i>	<i>Target Prefix:</i>
ITU country code or	N North
Af Africa	E East
Am America	S South
As Asia	W West
Eu Europe	C Central
ME Middle East	
FSU Former Soviet Union	

Languages:	Other common abbreviations:
Ar Arabic	bc broadcast
Ch Chinese	lsb Lower Side Band Mode
Du Dutch	nd non-directional
E, En English	px program
F French	sce(d),
G, Ge German	sked schedule
Gr Greek	ssb Single Sideband Mode
I Italian	tx(er) transmitter
J Japanese	usb Upper Side Band Mode
K Korean	mm/dd/yy Date (month/day/year)
P Portuguese	dd.mm.yy (day.month.year)
R Russian	
Sp Spanish	
Turk Turkish	

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List of Broadcasts in German		DW only with a Selection of Relay Stations!		B 04: Valid from 31.10.2004 to 26.03.2005			
UTC	UTC	ITU	Stationen	Sendetage	Frequenzen und Relaystandorte	DX	HBF
0000	0200		Deutsche Welle		6100 ATG 9655 RRW 11690 RRW		So 0110
0000	0100	UKR	Radio Ukraine Int.		5840	Do	
0200	0400		Deutsche Welle		6100 CAN 9640 ATG 9870 RRW		
0300	0330	BLR	Radio Belarus	Do & So	5970 7210		1. So
0400	0600		Deutsche Welle		04-05 6100 ATN 05-06 6100 ATG		So 0510
0400	2300	D	ERF		1539 (Mainflingen)		
0400	0430	SWZ	TWR-Manzini		4775 6120 Sa&So:bis 05:00		
0400	0500	USA	Family Radio		9355		Sa
0500	1830	AUT	Ö1-International		6155 13730		
0500	0600	USA	Family Radio		3955 G (ex 7355?)		Sa
0520	0540	CVA	Radio Vatikan		1530 4005 5885 7250		
0600	0800		Deutsche Welle		9690 ATG 11985 ATG 21640 CLN		
0600	0630	BUL	Radio Bulgarien		9500 11500	Do	Di
0600	0757	CHN	CRI		15245 17720		Di,Sa
0600	0630	GAB	NHK-Radio Japan		11970 (Moyabi)		So
0600	0700	USA	RTI		5810 (WYFR)		Sa
0656	0759	KOR	RKI		15210	So	So
0700	0730	EQA	HCJB		9765	Sa	Mo
0700	0730	GEO	Radio Georgien		11805		
0700	0726	ROU	RRI		7160 7275 9635 9655		So
0730	0757	CZE	Radio Prag		5930 7345		Mi
0730	0830	IRN	IRIB-Teheran		15085 21770		Mo
0800	1000		Deutsche Welle		9690 ATG 21640 CLN		Sa 0910
0800	0830	SVK	RSI		5915 6055	Mo	Mo
0930	0945	MCO	ERF		6230 7160 So:bis 10:15		
1000	1200		Deutsche Welle		5910 RUS 7400 RUS 15605 KAZ		
1000	1100	D	CWS	So	6015 (Jülich)		
1000	1100	D	EVR	So	6045 (Jülich)		
1000	1100	D	HH-Lokalradio	Sa	6045 (Jülich; ab 06.11.)		
1000	1100	RUS	St. Russlands		1323 D 9720 15540 15780		Di
1100	1127	CZE	Radio Prag		7345 9880		Mi
1100	1130	G	NHK-Radio Japan		9660 11710 (beide Skelton)		So
1100	1200	RUS	St. Russlands		1323 D	Do 1140	Sa
1130	1200	BUL	Radio Bulgarien		11700 15700	Mi	Mo
1130	1200	D	EMG	Sa & So	6015 (Wertachtal)		
1200	1400		Deutsche Welle		5910 RUS 7400 RUS 9395 KAZ		Sa 1310
1200	1300	D	R.Santec	So	6045 (Jülich)		
1200	1300	ROU	RRI		9610 9690 11730 11940		So
1200	1300	RUS	St. Russlands		1323 D 1386 KAL 12060		Fr
1230	1259	POL	Radio Polonia		5965 9525		Do
1230	1330	TUR	St. der Türkei		17700	Sa14täg	Mi
1300	1330	AZE	St.Aserbaid.		1296 6110		
1300	1327	CZE	Radio Prag		6055 7345		Di
1300	1400	HNG	Radio Budapest	So	6025 12010		
1400	1600		Deutsche Welle		9655 CLN 15275 RRW		
1400	1500	MCO	ERF	So	6230 7160		
1415	1435	I	RAI	Mo-Sa	9850		
1430	1500	GRC	ERT-Athen		7430		
1430	1500	MCO	ERF	Mo-Sa	6230 7160		
1430	1500	SVK	RSI		6055 7345	So	So
1500	1700	BEL	Deutsche Welle		1512 Wolvertem		
1500	1515	CVA	Radio Vatikan		5885 7250 9645		
1545	1600	MRA	KFBS-Saipan	Mi	9465		
1600	1800		Deutsche Welle		9655 CLN 11795 RRW		Sa 1710
1600	1630	AUT	AWR-Moosbrunn		7235		
1600	1757	ALB	CRI		5970 7155 (beide Cerrik)		Mo&Fr
1600	1627	CZE	Radio Prag		5930		Di
1600	1650	KRE	Stimme Koreas		6285 (ex 11845) 9325		Do
1600	1700	RUS	St. Russlands		1215 1323 D 1386 KAL 6145 7300	Sa 1640	So
1630	1700	D	HCJB		3955 (Jülich)	Sa	Mo
1630	1659	POL	Radio Polonia		7270		Do
1700	1800	RUS	St. Russlands		1323 D 1386 KAL 6145 7290 7300		Do

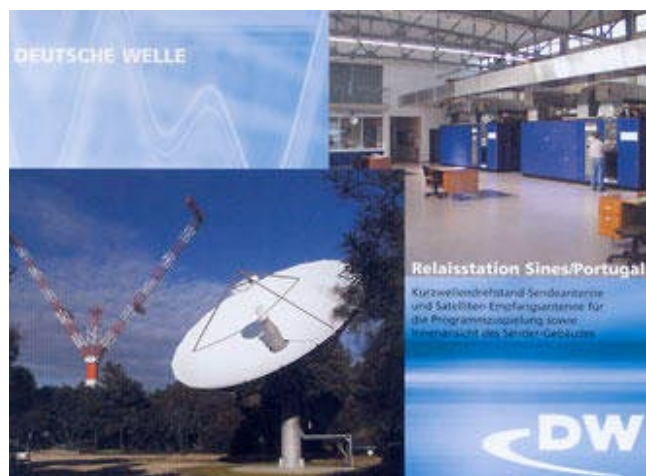
List of Broadcasts in German	DW only with a Selection of Relay Stations!	B 04: Valid from 31.10.2004 to 26.03.2005
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UTC	UTC	ITU	Stationen	Sendetage	Frequenzen und Relaystandorte	DX	HBF
1700	1730	SVK	RSI		5915 6055	So	So
1700	1800	USA	Family Radio		17760		Sa
1710	1720	MDA	R.Pridnestrowja	Mo + Mi	5960 (Radio PMR)		
1730	1800	BIH	RSCG-Belgrad		6100	Sa14täg	Sa14täg
1730	1800	BUL	Radio Bulgarien		5800 7500		
1730	1800	E	REE	Mo&Do	9665 (derzeit nur in Spanisch)		1.Do
1730	1830	IRN	IRIB-Teheran		6165 9845 (ex 6110 9500)		So
1730	1757	RUS	Radio Prag		5840 (Krasnodar)		Di
1730	1800	S	Radio Schweden		1179		
1800	2000		Deutsche Welle		11945 RRW 17860 RRW 15245 CLN		
1800	1957	CHN	CRI		7170 9615 11775		Mo&Fr
1800	1830	GEO	Radio Georgien		11910		
1800	1858	HNG	Radio Budapest	So	3975 6025 (Rimavska Sobota)		So
1800	1900	INS	St. Indonesiens		15150 (alt:9525 oder 11785)		So
1800	1850	KRE	Stimme Koreas		6285 (ex 11845) 9325		Do
1800	1900	RUS	St. Russlands		1215 1323 D 1386 KAL 6235 7300		
1800	1830	S	Radio Schweden	Mo-Sa	6065		
1800	1900	TWN	RTI		9565		Fr
1800	1900	UKR	Radio Ukraine Int.		7555	Mi	
1800	1900	USA	Family Radio		3955 (Jülich; ex 3985) 21455		Sa
1805	1825	I	RAI		6110 9760		
1805	1905	SYR	R.Damaskus		12085 13610		Mi
1815	1830	BEL	RVI		1512 7490 (Krasnodar)		Sa
1830	2308	AUT	Ö1-International		5945 6155		
1830	1858	HNG	Radio Budapest	Mo-Sa	3975 6025 (Rimavska Sobota)	Di	Sa
1830	1900	HNG	Radio Pecs		873 1116 1188 1251 1350		
1830	1930	TUR	St. der Türkei		7205	Sa14täg	Mi
1845	1900	MRA	KFBS-Saipan	Fr	9465		
1900	2000	EGY	Radio Kairo		9990	Di	Mi
1900	2000	G	RTI		6170 (Skelton)		Fr
1900	1950	KRE	Stimme Koreas		6285 (ex 11845) 9325		Do
1900	2057	LUX	CRI		1440		Mo&Fr
1900	2000	ROU	RRI		6140 7140		So
1900	2000	RUS	St. Russlands		1215 1323 D 6145 7300	Di 1915	
1900	2000	RUS	Family Radio		7370 (Samara)		Sa
1900	1930	SVK	RSI		5915 7345		So
1901	1930	ALB	Radio Tirana	Mo-Sa	1458 7240		Di&Fr
1905	1925	ARM	St. Armeniens		4810 9960 (auch 9965)		So
1920	1940	CVA	Radio Vatikan		1467 1530 4005 5885 7250		So14täg
1930	2000	S	Radio Schweden		1179 6065 So: bis 2030		So 1.M
1935	2030	UZB	R.Tashkent Int.		5025 11905		Do
2000	2200		Deutsche Welle		11945 RRW 17860 RRW		Sa 2110
2000	2015	BEL	RVI		1512 7490 (Krasnodar)		Sa
2000	2100	BUL	Radio Bulgarien		5800 7500	Di&Sa	So
2000	2100	G	RKI		3955 (Skelton)	Sa	Sa
2000	2030	GEO	Radio Georgien		11760		
2000	2015	THA	Radio Thailand		9535		
2000	2100	USA	Family Radio		9355		Sa
2030	2100	BLR	Radio Belarus	Mi Sa So	7105 7340		1. Sa
2030	2058	HNG	Radio Budapest	Mo-Sa	3975 6025 (Rimavska Sobota)	Mo&Mi	
2030	2059	POL	Radio Polonia		6110 6150		Do
2100	2200	ARG	RAE	Mo-Fr	9690 15345	Mo&Fr	Di
2100	2130	BIH	RSCG-Belgrad	So-Fr	6100	So14täg	So14täg
2100	2200	UKR	Radio Ukraine Int.		7555	Mi	
2100	2200	USA	RTI		11665 (WYFR)		Fr
2100	2200	USA	Family Radio		11565		Sa
2133	2136	SVN	Radio Slowenien		918		
2200	2400		Deutsche Welle		9780 ATG 11690 RRW 11955 POR		
2200	2300	I	Radio Studio X	Di	1584		
2200	2300	LTU	CRI		1386 (Radio Baltic Waves Int.)		
2300	2400	EQA	HCJB		12040 (Programm für Südamerika)		

UTC	UTC	ITU	kHz	Grad	Sendestation	Zielgebiet	kW
0000	0200	D	06075	0ND	WERTACHTAL	Europa	500
0000	0200	ATG	06100	340	ANTIGUA	Nordamerika	250
0000	0200	POR	09545	230	SINES	Südamerika	250
0000	0155	RRW	09655	280	KIGALI	Nord-/Mittelamerika	250
0000	0200	RRW	11690	265	KIGALI	Mittelamerika	250
0200	0400	D	06075	0ND	WERTACHTAL	Europa	500
0200	0400	POR	06075	040	SINES	Europa	250
0200	0400	D	06075	110	NAUEN	Nahost	500
0200	0400	CAN	06100	277	SACKVILLE	Nord-/Mittelamerika	250
0200	0400	D	06145	315	WERTACHTAL	Nord-/Mittelamerika	500
0200	0400	ATG	09640	310	ANTIGUA	Nordamerika	250
0200	0400	RRW	09870	310	KIGALI	Westafrika/Amerika	250
0400	0600	POR	06075	040	SINES	Europa	250
0400	0600	D	06075	0ND	WERTACHTAL	Europa	500
0400	0500	ATN	06100	305	BONAIRE	Nordamerika	250
0400	0600	D	06145	315	WERTACHTAL	Nordamerika	500
0400	0600	ATG	09640	310	ANTIGUA	Nordamerika	250
0500	0600	ATG	06100	310	ANTIGUA	Nordamerika	250
0600	0800	POR	06075	040	SINES	Europa	250
0600	0800	D	06075	0ND	WERTACHTAL	Europa	500
0600	0800	D	09545	230	NAUEN	Südwesteuropa	500
0600	0800	ATG	09690	205	ANTIGUA	Ozeanien	250
0600	0800	D	09735	255	WERTACHTAL	Ozeanien	500
0600	0800	ATG	11985	270	ANTIGUA	Ozeanien	250
0600	0800	D	13780	120	WERTACHTAL	Südeuropa/Nahost	500
0600	0800	CLN	21640	120	TRINCOMALE	Südostasien/Ozeanien	250
0800	1000	D	06075	0ND	WERTACHTAL	Europa	500
0800	1000	D	09545	230	NAUEN	Südwesteuropa	500
0800	1000	ATG	09690	205	ANTIGUA	Ozeanien	250
0800	1000	D	09735	255	WERTACHTAL	Ozeanien	500
0800	1000	D	13780	120	WERTACHTAL	Südeuropa/Nahost	500
0800	1000	CLN	21640	120	TRINCOMALE	Südostasien/Ozeanien	250
1000	1200	RUS	05910	247	PETROPAVLOVSK	Ostasien	250
1000	1200	D	06075	0ND	WERTACHTAL	Europa	500
1000	1200	RUS	07400	152	IRKUTSK	Ostasien	250
1000	1200	D	09545	230	NAUEN	Südwesteuropa	500
1000	1200	D	13780	120	WERTACHTAL	Südeuropa/Nahost	500
1000	1200	KAZ	15605	141	ALMATY	Süd-/Südostasien	500
1000	1200	CLN	17845	060	TRINCOMALE	Ostasien	250
1000	1200	D	21840	085	NAUEN	Südostasien/Ozeanien	500
1200	1400	RUS	05910	247	PETROPAVLOVSK	Ostasien	250
1200	1400	D	06075	0ND	WERTACHTAL	Europa	500
1200	1400	RUS	07400	152	IRKUTSK	Ostasien	250
1200	1400	KAZ	09395	141	ALMATY	Süd-/Südostasien	500
1200	1400	D	09545	230	NAUEN	Südwesteuropa	500
1200	1400	D	13780	120	WERTACHTAL	Südeuropa/Nahost	500
1200	1400	D	17630	090	NAUEN	Süd-/Südostasien	500
1200	1400	CLN	17845	060	TRINCOMALE	Ostasien	250
1400	1600	D	06075	0ND	WERTACHTAL	Europa	500
1400	1600	D	09545	230	NAUEN	Südwesteuropa	500
1400	1600	CLN	09655	005	TRINCOMALE	Südostasien	250

UTC	UTC	ITU	kHz	Grad	Sendestation	Zielgebiet	kW
1400	1600	D	13780	120	WERTACHTAL	Südeuropa/Nahost	500
1400	1559	D	13780	075	WERTACHTAL	Südasien	500
1400	1555	RRW	15275	030	KIGALI	Nahost/Ostafrika	250
1400	1600	D	15680	100	NAUEN	Süd-/Südostasien	500
1500	1659	BEL	01512	0ND	WOLVERTEM	Nordwesteuropa	025
1600	1659	D	06075	0ND	WERTACHTAL	Europa	500
1600	1800	D	09545	230	NAUEN	Südwesteuropa	500
1600	1800	D	09545	090	WERTACHTAL	Südasien	500
1600	1758	CLN	09655	005	TRINCOMALE	Südasien	250
1600	1755	RRW	11795	030	KIGALI	Nahost/Ostafrika	250
1600	1800	D	13780	120	WERTACHTAL	Südeuropa/Nahost	500
1700	1800	CLN	01548	035	TRINCOMALE	Südasien	400
1700	1800	D	06075	0ND	WERTACHTAL	Europa	500
1700	2000	POR	06075	040	SINES	Europa	250
1800	2000	D	06075	0ND	WERTACHTAL	Europa	500
1800	2000	D	09545	230	NAUEN	Südwesteuropa	500
1800	2000	D	09735	150	WERTACHTAL	Ost-/Südafrika	500
1800	2000	D	09735	195	WERTACHTAL	Westafrika	500
1800	2000	D	11795	170	NAUEN	Ost-/Südafrika	500
1800	2000	RRW	11945	180	KIGALI	Ost-/Südafrika	250
1800	1955	CLN	15275	255	TRINCOMALE	Ost-/Südafrika	250
1800	2000	RRW	17860	295	KIGALI	Westafrika/Amerika	250
2000	2155	POR	06075	040	SINES	Europa	250
2000	2200	D	06075	0ND	WERTACHTAL	Europa	500
2000	2200	D	09545	230	NAUEN	Westafrika/Südamerika	500
2000	2200	D	09735	195	WERTACHTAL	Westafrika	500
2000	2200	D	09735	150	WERTACHTAL	Ost-/Südafrika	500
2000	2200	D	11795	170	NAUEN	Ost-/Südafrika	500
2000	2155	RRW	11945	180	KIGALI	Ost-/Südafrika	250
2000	2155	RRW	17860	295	KIGALI	Westafrika/Amerika	250
2200	0000	D	06075	0ND	WERTACHTAL	Europa	500
2200	0000	POR	09545	230	SINES	Südamerika	250
2200	0000	ATG	09780	340	ANTIGUA	Nord-/Mittelamerika	250
2200	0000	RRW	11690	265	KIGALI	Mittelamerika	250
2200	2355	POR	11955	280	SINES	Mittelamerika	250
2200	2359	CAN	11990	212	SACKVILLE	Nord-/Mittelamerika	250

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DX LOGBOOK

Logs around the clock

by Ashok Kumar Bose, Apt. #634, 3420 Morning Star Drive, Mississauga, ON, L4T 1X9, Canada
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MEDIUMWAVE BAND

Frequ.	UTC	SIO	ITU	Radio Station	Language	Programme Details	Date	Rep.
540.0	2005	221	IRL	Radio Casla	English	ID Pop Music	2711	MF
612.0	2010	221	IRL	2 FM	English	ID,Irish Beatles	2711	MF
630.0	2020	333	TUN	Radio Djedeida	Arabic	Songs about Djedeida	2711	MF
936.0	0515	343	D	Bremen 1	German	Popoldies,Jingle ID	0212	SG
945.0	2120	333	F	Radio Bleue Toulone	French	Arafat's death	1211	MF
972.0	0400	444	D	NDR Info	German	ID,News,Concert	0212	SG
1026.0	1750	323	E	SER,Reus	Spanish	ID,Program	0611	MF
1026.0	1730	222	G	Downtown Radio	English	Talks,ID	0611	MF
1044.0	0330	333	D	MDR Info	German	ID,News,Sports	0212	SG
1062.0	1815	222	CZE	Country Radio Praha	Czech	Fotball	2711	MF
1071.0	1840	333	E	Radio Euskadi	Spanish	News around Bilbao	0611	MF
1125.0	1830	333	F	Radio Nimes	French	Music Festival	2711	MF
1142.0	1850	322	G	Virgin Dundee	English	ID,Popmusic	2711	MF
1197.0	1840	333	G	Cheltenham Radio	English	Jingles,Music	2711	MF
1197.0	0230	433	D	RFE	Serbian	ID,News Report	0212	SG
1224.0	0330	231	E	COPE Almeria	Spanish	ID Program	2211	MF
1233.0	0335	231	G	Virgin,Northampton	English	Local News	3011	MF
1296.0	0340	333	E	COPE,Valencia	Spanish	ID,Talks	3011	MF
1323.0	0615	544	D	VOR	English	Report Gallery,ID	0212	SG
1350.0	1855	322	HNG	Radio Budapest	German	Concert	2711	MF
1368.0	1905	333	G	BBC Radio Lincolnshire	English	Jingles	2711	MF
1359.0	1900	222	G	Silent Gold	English	News	0611	MF
1368.0	0335	221	G	BBC Wiltshire Sound	English	ID,Local News	2211	MF
1404.0	1910	333	F	Radio Corse	French	Corse National Army	2711	MF
1440.0	1657		LUX	RTL Radio	German	Jingle,ID,News	3011	SG
1458.0	1901	444	ALB	Radio Tirana	German	News,Comments	3011	SG
1503.0	0340	322	G	BBC Sideway	English	Royal family	2211	MF
1503.0	2220	222	G	Radio Luton	English	Quiz	0611	MF
1521.0	1920	333	ISR	Reshet Delet	Arabic	ID,Program	2711	MF
1539.0	0830	555	D	ERF	German	ID,Lied,Jeremias	2711	SG
1548.0	1930	322	I	Radio Star	Italian	News	2711	MF

TROPICAL BANDS

Frequ.	UTC	SIO	ITU	Radio Station	Language	Programme Details	Date	Rep.
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3955.0	1630	444	D	HCJB via Julich	German	SWLCS-DX	2711	SG
3965.0	1800	444	F	RTI via Issoudun	English	ID,Review,News,Comment	0112	SG
3985.0	1800	343	D	WYFR via Julich	German	ID,Bible Program	3011	SG

SHORTWAVE BANDS

Frequ.	UTC	SIO	ITU	Radio Station	Language	Programme Details	Date	Rep.
5840.0	1730	554	RUS	Radio Prague via Krasnod	German	ID,News	3011	SG
5850.0	1830	343	S	RCI via Horby	English	ID,Maple Leaf Mailbag	3011	SG
5955.0	1920	333	PHL	FEBC	Chinese	Religious Programs	1211	MF
5955.0	1810	544	AUT	Voice of Vietnam via Moosbrunn	English	News,ID,Comments	0112	SG
5960.0	1659	533	MDA	Radio Pridnestrowja	English	IS,ID,News,Declaration	2911	SG
5970.0	1559	544	CHN	CRI	German	IS,ID,News	2811	SG
5995.0	0520	222	ISR	Reshet Bet	Hebrew	Arafat's Death	0511	MF
5995.0	2230	222	MLI	Radio TV Malienne	French	Spain & North Africa	211	MF
6005.0	0450	333	ASC	BBC World Service	English	Network Africa	1611	MF
6005.0	1930	222	SEY	BBC	English	Africa Help	1211	MF
6025.0	1615	544	HNG	Radio Budapest	English	ID,DX-Corner	2811	SG
6035.0	2000	322	BOT	VOA	English	Africa Today	1211	MF
6040.0	0415	332	CTR	REE	Spanish	ID & News	0511	MF
6045.0	1850	332	BGD	Radio Bangladesh	Bengali	Folk ID	2410	MF
6055.0	0048	535	E	REE, Madrid	English	Spanish Course by Radio	1811	RL
6085.0	0235	222	OMA	Radio Oman	Arabic	Radio Play about Allah	2510	MF
6100.0	0400	232	ATN	Duetsche Welle via Bonaire	German	ID,News,FunkJournal	2711	SG
6100.0	0500	232	ATG	Deutsche Welle via Antigua	German	ID,News,Report	2711	SG
6100.0	1729	544	BIH	RSCG,Beograd	German	ID,News Report	2911	SG
6105.0	2305	111	TKM	Turkmen Radio	Turkmen	ID,Folkmusic	0411	MF
6110.0	0515	322	KWT	Radio Kuwait	Arabic	Al-Quieda	1611	MF
6160.0	2300	333	KOR	RCI	Chinese	ID,Program	2111	MF
6165.0	0510	333	TCD	RTV Chadienne,N'djamena	French	Sahel News	1511	MF
6165.0	0350	332	CAN	Radio Nederland	Dutch	ID,News	2510	MF
6175.0	0415	332	CAN	Voice of Vietnam	Spanish	Moscow & Beijing	2510	MF
6175.0	0530	322	GAB	RFI	French	Program	1611	MF
6200.0	0408	555	CZE	Radio Prague	English	Czech Science Butterflies	0311	RL
6870.0	0430	454	USA	WRMI	English	DX Party Line	0611	RL
7135.0	2330	333	BGD	Radio Bangladesh	Arabic	ID,Islamic Hits	0411	MF
7155.0	1630	544	CHN	CRI	German	ID,Kaleidoscope	2811	SG
7155.0	1900	333	THA	Radio Thailand	English	UN Peacekeeping & Thailand	2410	MF
7170.0	2350	322	MLI	CRI	Chinese	ID,Programs	0411	MF
7175.0	0345	322	VTN	Voice of Vietnam	English	National Program for Telecommunication	0311	MF
7185.0	1835	222	BGD	Radio Bangladesh	English	VOA & Radio Baghdad programs	3110	MF
7190.0	0005	333	TWN	VOFC	Chinese	ID,Program	0511	MF
7195.0	0320	321	RRW	Deutsche Welle	Swahili	Islam in Kenya	0511	MF
7210.0	0225	322	MRC	Radio Morroce	French	Drug Mafia	0511	MF
7240.0	1858	211	ALB	Radio Tirana	German	IS,ID,Program	3011	SG
7245.0	0205	322	TZK	Tadzik Radio	Russian	Afghanistan	0511	MF
7270.0	1629	544	POL	Radio Polonia	German	IS,ID,News	0112	SG
7280.0	1910	322	VTN	Voice of Vietnam	English	Travel Destination	3110	MF
7285.0	0050	232	USA	WWFV	English	Death Penalty	0511	MF
7285.0	2340	322	CHN	REE	Spanish	ID,Program	2111	MF

7290.0	0330	333	STP	VOA	English	Africa Internet	1511	SG
7325.0	0045	555	AUT	Radio Austria Intl.,	English	Ski Lift accident	1711	RL
7325.0	2340	535	LTU	Radio Vilinius	English	Coalition Parliament	0411	RL
7305.0	0300	444	CVA	Radio Vatican	English	Sunday Gospel	1511	RL
7345.0	0001	454	CAN	Radio China Intl.,	English	CRI News & Report	0411	RL
7400.0	0350	555	BUL	Radio Bulgaria	English	Key Word Bulgaria	0311	RL
7415.0	0459	555	USA	WBCQ	English	Free Speech Radio	1411	RL
7535.0	0629	454	USA	WHRI	English	Dxing with Cumbre	0611	RL
7580.0	0356	454	USA	WHRA	English	Dxing with Cumbre	1511	RL
9330.0	2219	454	USA	WBCQ	English	World of Radio	1611	RL
9370.0	2200	454	USA	WTJC	English	Christian Media	1611	RL
9500.0	1725	343	SWZ	TWR Manzini	English	Religious Program	3011	SG
9510.0	1920	132	AFS	SABC	English	Hospitals & Nurses	3110	MF
9535.0	2030	333	THA	Radio Thailand	English	News about Thailand	3110	MF
9550.0	2358	535	CUB	Radio Habana	English	Dxers Unlimited	0211	RL
9565.0	0500	444	RRW	Deutsche Welle,via Kigali	English	IS,ID,News	2811	SG
9590.0	0525	555	NLA	Radio Vlaanderen Intl.,	English	Flanders Today	0311	RL
9620.0	1754	454	SWZ	TWR	Pulaar	Program	1711	RL
9665.0	1730	554	E	REE	Spanish	IS,ID,News	2911	SG
9730.0	1815	444	VTN	Voice of Vietnam	English	ID,Report,Music	0112	SG
9760.0	2001	454	I	RAI	Danish	Newscast	1711	RL
9765.0	0709	232	EQA	HCJB	German	SWLCS-DX,ID	2711	SG
9770.0	2150	555	CAN	RCI	English	Maple Leaf Mailbag	1611	RL
9780.0	1800	343	YEM	Yemen Radio TV, Saana	English	ID,News, Folkmusic	3011	SG
9875.0	0030	555	LTU	Radio Vilinius	English	Health Care system	1711	RL
9965.0	1905	544	ARM	Voice of Armenia	German	IS,ID,News Report	2911	SG
9985.0	2159	454	USA	WWCR	Spanish	Program	0211	RL
11805.0	1800	443	MDG	WYFR via RN	Vernaculars	WYFR Fanfare,ID	3011	SG
11880.0	1737	555	AUS	Radio Australia	English	Australia Talksback	1611	RL
11980.0	1630	343	GUM	KSDA-Agat	English	AWR Wavescan	2811	SG
11980.0	1750	343	NZL	RNZI	English	ID,Reviews	3011	SG
13675.0	1619	554	AUT	Radio Austria Intl.,	English	Report from Austria	1311	RL
15120.0	1320	333	NIG	Voice of Nigeria	English	Nigeria & Africa	3110	MF
15140.0	1851	453	CAN	RCI	English	Maple leaf Mailbag	1611	RL
15160.0	0910	323	MRC	Medi 1	Arabic	ID,Advts.	2410	MF
15180.0	1135	222	BGD	Radio Baghdad	English	VOA News,ID	2410	MF
15240.0	1700	554	MRC	VOA Briech	English	ID,News	0112	SG
15345.0	2100	232	ARG	RAE	German	IS,ID,Tango,News	0112	SG
15350.0	0530	343	CHN	CRI	English	ID,Program	2811	SG
15410.0	0515	444	UAE	Deutsche Welle via Dhabayya	English	ID,Reports	2811	SG
15605.0	1000	343	KAZ	Deutsche Welle via Almaty	German	ID,News	2711	SG
15695.0	2258	555	USA	WEWN	English	Family Theatre Radio	0111	RL
17595.0	2130	554	USA	WEWN	English	Defending Life	0111	RL
17810.0	1730	343	ASC	UN Radio	English	ID,News,Report	0112	SG
17875.0	2050	555	NLA	Radio Nederlands	English	Europe Unzipped	0611	RL

Thanks a lot to our club members for your contributions:

MF : Michael Frese, Osnabrueck, Germany. SONY ICF SW 7600G with SONY LP1 antenna.

RL : Richard Lemke, St Albert, Alberta, Canada. JRC NRD-535 HF with random long wires

SG : Siegbert Gerhard, Frankfurt, Germany. YAESU FRG 7700 & Grundig Satellit 700 & 3400 with various dipoles & Telescopic.

Dear Friends,

Welcome to the December edition which is the last for this year.

This is a earlier version prepared to take care of the long holidays for Christmas and New Year.

Wishing you all a Very Happy Christmas & New Year 2005 .

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

Ashok Kumar Bose

QSL CORNER

Editor: Richard Lemke, 60 Butterfield Crescent, St. Albert, Alberta, T8N 2W7, CANADA

Country	Station	QSL	Time	ORG	Remarks	OM
Albania	Radio Tirana International	f/d cd	73 ds	6115	Correspondence section.	RAD
Clandestine	V of Ethiopian Salvation	e-mail	1 day	15.670	from Walter Brodowsky via Julich.	RAD
Denmark	World Music Radio	e-mail	1 day	5815	from Stig Hartvig Nielsen.	RAD
Latvia	European Music Radio	e-mail	1 day	9290	from Tom Taylor.	RAD
Portugal	RDP Int - Radio Portugal	f/d L	67 ds	9715	v/s, Isabel Saraiva.	RAD
Russia	RWM Moscow	f/d cd	39 ds	9998/149 96	Russian State time and Frequency Service.	RAD
USA	AWR via WRMI	f/d cd	19 ds	7385	70 th Anniversary of AWR for Wavescan 500th edition.	RAD
USA	Radio Six Int. via WBCQ.	f/d cd	59 ds	7415	v/s Tony Currie. Test transmission.	RAD

Thanks to our Reporter:

RAD = Richard A. D' Angelo, Wyomissing, PA, USA. Drake R-8B, Lowe HF-150, Alpha Delta DX Sloper, RF Systems Mini-Windom, Datong FL3, JPS ANC-4.

(Cf. DX MAGAZINE 10 / page 36) The Washington Post has published a more critical view on US broadcasting in the Middle East on October 13th, 2004:

Role of Radio Sawa in Middle East questioned by Glenn Kessler

Radio Sawa, an Arab-language pop music and news station funded by the U.S. government and touted by the Bush administration as a success in reaching out to the Arab world, has failed to meet its mandate of promoting democracy and pro-American attitudes, according to a draft report prepared by the State Department's inspector general.

The report credited Radio Sawa with attracting a large audience in key Middle East countries but said the station, which has an annual budget of \$22 million, has been so preoccupied with building an audience through its music that it has failed to adequately measure whether it is influencing minds.

The report also questioned the validity of some research given to Congress by the Broadcasting Board of Governors, Radio Sawa's parent, to demonstrate its success.

Two independent panels of Arab-language experts hired by the inspector general's office gave the programming a mixed review, saying it did not match al-Jazeera in terms of quality and that parents would prefer that their teenagers not listen to Radio Sawa because its broadcasts contained such poor Arabic grammar. "Radio Sawa failed to present America to its audience," one panel concluded.

The Broadcasting Board of Governors has vehemently protested the report, questioning its methodology and assumptions in a 49-page pre-publication rebuttal. The report, based on extensive interviews in Washington and the Middle East with U.S. officials and public diplomacy experts, was scheduled to be published in August, but publication has been repeatedly delayed.

The draft report notes that Broadcasting Board officials often interfered with interviews and may have intimidated some employees and "made them less forthcoming." A copy of the draft report was supplied by a source who said he feared that the inspector general's office was buckling under pressure and would water down the conclusions.

Cameron R. Hume, who became acting inspector general after the draft was completed, confirmed the report was being revised. He acknowledged that the Broadcasting Board has complained, but he noted he had his own concerns, saying the report was based on "an erroneous view" of the legislation involving Radio Sawa. He declined to comment further.

Kenneth Y. Tomlinson, chairman of the Broadcasting Board of Governors, said there had been a "big dust-up" over the report. He said Radio Sawa is "one of the biggest successes the U.S. has ever had in international broadcasting" but that "critics of Sawa made an inordinate contribution" to what he called a "fatally flawed report."

Sawa replaced the Arab-language version of the Voice of America, and Tomlinson said, "VOA unions are obsessed over knocking Sawa."

Norman J. Pattiz, a board member regarded as the driving force behind Radio Sawa, said that "there are many inaccuracies, misunderstandings and misinformation in the draft that need to be corrected." He said the report failed to comply with generally accepted government auditing standards, misrepresents Sawa's mission and performance, and misinterprets federal and congressional requirements.

The draft report said news and information programs represent only 25 percent of Radio Sawa's broadcast, and there appears to be a reluctance among officials to use it as a tool for public diplomacy. The report said Radio Sawa has not fully met the requirements of the VOA charter to present the policies of the United States "clearly and effectively" and to present "responsible discussions and opinion on these policies."

In a statement, the Broadcasting Board said that Radio Sawa is not preoccupied with music, as the report charges, but offers more than 300 newscasts per week, and that more than 90 percent of the staff is devoted to current affairs and informational programming. "The reason Radio Sawa plays music is because research indicated a combination of music and news is the best way to reach its target audience," the statement said.

The draft report said that while Radio Sawa has been promoted as a "heavily researched broadcasting network," the research concentrated primarily on gaining audience share, not on measuring whether Radio Sawa was influencing its audience. Despite the larger audiences, "it is difficult to ascertain Radio Sawa's impact in countering anti-American views and the biased state-run media of the Arab world," the draft report said.

It said Radio Sawa has been reluctant to conduct post-broadcast analyses to determine whether U.S. interests were advanced in its programming.

Moreover, it found there was a lack of uniform quality control at Radio Sawa. Some current and former staffers complained that correspondents' reports were uneven, with some reporters quoting "word for word" biased articles that appeared in local newspapers and Middle East news services.

(© 2004 The Washington Post Company, Oct. 13, 2004, via Wolfgang Bueschel, Germany)

Revamped Radio Free Europe woos Russian listeners by William J. Kole

Ronald Reagan used it to reach out to the Soviets during the Cold War. Lech Walesa, the leader of Poland's Solidarity movement, likened it to the sun lighting the Earth. Rock band R.E.M. immortalized it in a cynical hit song.

Radio Free Europe/Radio Liberty is trying to woo new listeners in Russia with a controversial overhaul that former dissidents and other critics contend will compromise its reputation and influence as a beacon of democracy.

"We're becoming just another bunch of blah-blah-blah on the air," Lev Roitman, a senior commentator for the private U.S.-funded station, said Thursday. "They must be idiots to do something like this at this critical time in Russia."

Officials at RFE/RL's football field-size newsroom, housed in Prague's communist-era parliament building - an imposing edifice of black granite circled by heavy concrete barricades and machine gun-toting guards - say they simply want to modernize the programming and expand its reach.

The station's primary target is urban, employed, university-educated Russians aged 35 and up. Key changes include more call-in shows, a Web site overhaul to appeal to the 18-plus crowd, and a shift from longer evening programs on human rights and other issues to shorter, snappier spots aired throughout the day.

Nenad Pejic, RFE/RL's associate director of broadcasting, insists that Russian-language news and programs on human rights will remain a priority and that only the format - not the content - will change.

"It's about our survival, not our mission," he said. "Listeners in Moscow tell us our programming is a little old-fashioned, that we still sound like a dissident radio. We're just revamping. We want to be a local radio with a global perspective."

But the proposed overhaul, a copy of which was obtained by The Associated Press, also includes plans to cut staff and "move the center of gravity to Moscow" by dropping on-air references to Prague to give the impression that RFE/RL is a local Russian station rather than an outsider.

The broadcaster, which gets \$75 million a year from Congress, has moved key positions to Moscow and now broadcasts 70 percent of its material from the Russian capital. Critics say that exposes the station known Radio Svoboda - Russian for "Liberty" - to government intimidation and the threat of censorship.

"If anything similar to the current plans of the RFE/RL management would have been suggested in Soviet times, there would have been no doubt as to the source of inspiration: the KGB," Elena Bonner, the widow of Nobel Peace Prize laureate Andrei Sakharov, wrote earlier this month in an open letter to Western media.

"Can anyone think of a more Cold War-type operation than one that pretends to disguise a radio funded by the U.S. Congress and based in the Czech Republic as a local Russian radio?" she said, denouncing the plan as superficial and "a stupid gimmick."

Mario Corti, a former RFE/RL Russian service director who now works as an editor, ridiculed the station for basing the changes on recommendations by a U.S. consultant recently hired to create an internal music channel for the Starbucks coffee chain.

"The rationale for some of the changes is reasonable. But how can you establish credibility when you're misleading people?" Corti said. "We're a paragon, perceived to be independent because we're a foreign station that doesn't belong to the oligarchs. We had something unique. Now we're becoming like everyone else."

RFE/RL, whose 600 employees and network of 3,000 freelancers were overseen and funded by the CIA until 1971, now answers to the Washington-based Broadcasting Board of Governors. Besides its transmissions to the former Soviet Union and Eastern Europe, which are rebroadcast by affiliates to far-flung regions, it also airs broadcasts in Iran, Iraq and Afghanistan.

Masha Klein, who heads the Russian service, conceded RFE/RL's journalists in Moscow "have been under pressure for years," but said the station is prepared to shift staff back to Prague if Prime Minister Vladimir Putin's government interferes.

She said the revamp sprang from the perception that the station nominated in 1991 for the Nobel Peace Prize is foreign, aloof and run by Russian dissidents and expatriates "who hate Russia" and spout American propaganda.

"I'm Russian, and I dearly hope the day will come when our services are no longer needed," she said. "But I don't see that in the near future. The Russian people still need us."

(Associated Press, Nov. 19, 2004, via Mike Terry, Great Britain <miketerry73@btinternet.com>)

Im Oktober 2004 sind zwei neue Titel erschienen: "**Amateurfunkantennen mit geringem Platzbedarf**" von Klaus Böttcher und Frank Sichla beschreibt vielfältige praktische Möglichkeiten für Antennen mit geringem Raumbedarf. Über 300 Bilder machen die eigene Anwendung der erprobten Konzepte leicht. Ganz nebenbei wird klar, dass mechanisch verkürzte Antennen keineswegs nur "Hilfsantennen" darstellen.

Aus dem Inhalt: Einfache Konzepte für wenig Platz ● Tipps und Ideen für den Selbstbau ● Messen – wie und womit? ● Eine kurze Geschichte der kurzen Antenne ● Verkürzte CLC-Dipole für Kurzwelle ● Kurze Dipole – Chancen und Tücken ● Auf die schräge Tour: V-Antenne und Sloopier ● Platz sparen durch Rückfalten ● Kurze Multiband-Drahtantennen ● Kleine Drahtschleifen-Antennen ● Endgespeiste Drahtantennen ● Erde, Radials und Erdleitungskoppler ● Dipole mit Verlängerungsspulen ● 10,2-m-Antenne für alle KW-Bänder ● Innen- und Magnetantennen ● DDRR-Antennen ● EH-Antenne & Co ● Mantelwellendrosseln ● Wahlschalter und Rotoren.

(200 Seiten, Format 16,5 x 23 cm, 306 Abbildungen, Best.-Nr. 411 0107, ISBN: 3-88180-807-8, Broschur, 1. Auflage, Preis: € 17,80)



"**Digital-Radio - Alles über DAB, DRM und Web-Radio**" von Thomas Riegler zeigt, dass unser analoger Rundfunk zwar bis zur Perfektion entwickelt wurde, uns aber die neue Digitaltechnik viel mehr Faszinierendes beschert. Neben einer besseren Tonqualität erwartet uns ein störungs-freier Empfang und auch eine neue Qualität des Bedienungskomforts. Damit nimmt es die Scheu, die digitalen Standards schon heute zu nutzen.

Viele Themen kommen auf den Leser zu: Die Mittelwelle wird als Grenzgänger zwischen lokaler und internationaler Versorgung beschrieben. Es wird verraten, was hinter AM Stereo steckt, Lang- und Kurzwelle werden ausführlich vorgestellt und natürlich auch UKW nicht vergessen. Praktische Themen, wie Zusatzdienste, die Bedeutung der Antenne oder Tipps für die Jagd nach entfernten Stationen, tauchen immer wieder auf. Die Systeme DAB und DRM werden natürlich am ausführlichsten beschrieben, aber auch IBOC, DVB T, Internet- und Satellitenradio kommen nicht zu kurz. Über 170 Bilder erleichtern das

Verständnis. Der Autor Thomas Riegler beschäftigt sich schon seit langer Zeit mit der Praxis des Rundfunkempfangs und kennt alle Aspekte der modernen Techniken, die den Anwender interessieren. Auch dieses Buch ist wieder leicht verständlich und setzt keine technischen Kenntnisse voraus.

(134 Seiten, Format 14,8 x 21 cm, 171 Abbildungen, Best.-Nr. 413 0038, ISBN: 3-88180-638-5, kartoniert, Preis: € 14,80)

Ende November 2004 ist 22. Ausgabe des Jahrbuchs **Sender & Frequenzen** des Autorenteams Wolf Siebel und Michael Schmitz erschienen. Auf 576 Seiten wird die ganze Welt des internationalen Rundfunks präsentiert und enthält wieder die umfangreichen Programmführer für die Sendungen in deutscher und englischer Sprache. Der Datenteil mit allen Informationen über die in Europa hörbaren Rundfunksender aus fast 200 Ländern und die Frequenzliste der zwischen 150 kHz und 30 MHz hörbaren Sender wurden wieder völlig überarbeitet. Daneben enthält das Handbuch wieder zahlreiche Tipps zu den besten Empfangschancen der Sender, sowie nach Sendezeiten geordnete Hörfahrpläne der Sendungen in Deutsch, Englisch, Französisch, Spanisch, Russisch und Esperanto (wieder hervorgehoben auf gelbem Papier). Direkt im Anschluß daran ist die Frequenzliste zu finden. Informative Artikel über Radio und TV via Satellit mit ausführlichen Tabellen der empfangbaren Hörfunk- und TV-Programme, "Internetradio: Exotische Sender im WWW", "Asiens Inlandsdienste auf Kurzwelle", "Radio für den Frieden", "Reis für jedes Budget: Sendezeit auf Kurzwelle mieten", "Digital Radio Mondiale 2005", "Opposition und Propaganda per Radio: Untergrundsender 2005" und "Hobbypiratensender auf der Kurzwelle", sowie die Ausbreitungsprognose für 2005 runden das Handbuch ab. Die Leser des Handbuch erhalten auch in diesem Jahr wieder drei Nachtragshefte kostenlos zugeschickt.

(576 Seiten, Format 14,8 x 21 cm, Best.-Nr. 413 0500, ISBN: 3-88180-639-3, Broschur, kartoniert, Preis: € 23,90)

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