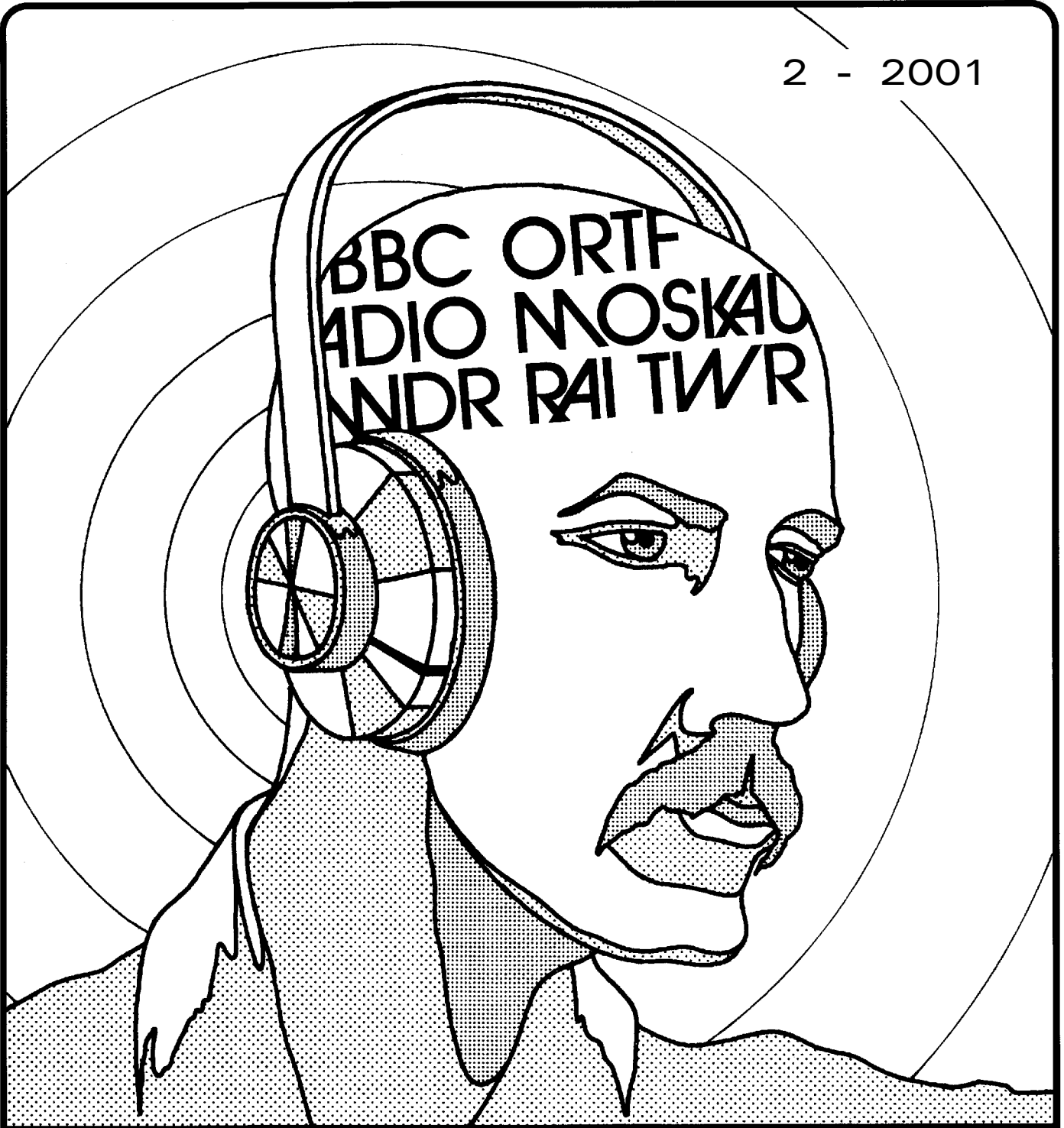
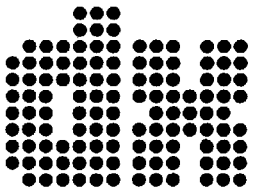


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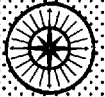
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magazine



WORLD WIDE DX CLUB



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Each of the editors mentioned above is self-responsible for the contents of his composed column. Furthermore, we cannot be responsible for the contents of advertisements published in DX MAGAZINE.

Please do not forget to write all contributions for the different sections on separate sheets of paper, so that we are able to distribute them to the competent section editors.

## WORLD RADIO TV HANDBOOK 2001

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DEADLINE (Redaktionsschluß) for  
DX MAGAZINE No. 4 is on March  
22nd, 2001, and for DX MAGAZINE  
No. 5 on April 19th, 2001.



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DX MAGAZINE No. 2

· Vol. XXXVI ·

February 2001

Hello again,

Welcome to another issue of our DX MAGAZINE. Starting this month, all members of our club with e-mail access can subscribe to Wolfgang Bueschel's weekly **TOP NEWS**. Until now these could be found only in the Internet at <[www.wwdxc.de/topnews.htm](http://www.wwdxc.de/topnews.htm)>. Just send an e-mail to <[mail@wwdxc.de](mailto:mail@wwdxc.de)>, and you will regularly receive Wolfgang's **TOP NEWS** by e-mail in the future - free-of-charge. Since we have no more news from inside the club this month, let's just start with our usual news from outside the club:

The 13th International DX Contest **The Grand Tour With Cancer and Capricorn** of Danish Shortwave Club International will run from Friday 23rd March, 1800 UTC, to Sunday 8th April, 2400 UTC. It is open to all shortwave listeners regardless to their membership in any DX club. If you like to receive a copy of the contest form, please write and enclose 1 IRC to Jaroslav Bohac, Jizerska 2900/11, 40011 Usti n.L, Czech Republic. Any questions and remarks on the contest may also be sent by e-mail to: <[trams@volny.cz](mailto:trams@volny.cz)>. The contest fee is DEM 5.00 / IRC 4.00 / US\$ 3.00. Each participant will receive a contest diploma with his/her classification and a list of participants with their results. The first three participants will be awarded non-cash prizes; three additional prizes will be drawn into all participants regardless to their scoring.

Bob Padula has published a special listing **The China Shortwave Guide** in January, including a comprehensive tabulation of data for broadcasters known to be operating in China (international and regional) and in Taiwan (excluding Clandestine stations), which includes the leased relays in those areas by International broadcasters. Also shown are the relays outside of China and Taiwan known to be in use, for China Radio International and Radio Taipei International. The guide runs to over 1000 entries and is available free of charge to anyone via the EDXP homepage at <<http://members.tripod.com/~bpadula/edxp.html>>. It is a compressed Excel 7.0 ".xls" file. The Excel file may be sorted, rearranged, or filtered as required. Each entry shows the network, organisation, frequency, start time, end time, target, language, transmitter site, transmitter country, and broadcast days. The Guide is more than a simple listing: it has various "clickable buttons", in colours, for each of the SW networks, which can be used (optional) for calling up instantaneous listings for each Network. A printed copy is also available in A4 format, 20 pages, showing the data in frequency order. This is available to Australian addresses for Aus\$5 or airmail elsewhere for US\$5 (A\$10) (cash, 7 IRCs, international money orders in Australian currency, mint Australian stamps - cheques not accepted) from: Bob Padula, 404 Mont Albert Road, Surrey Hills, Victoria 3127, Australia.

Ed Mayberry's **International Listener** celebrates its second birthday on the world wide web - a hobby site of seven pages laden with constantly updated information for the shortwave listener (the main jobs are weeding out dead links and adding new ones). The main page has grown to 78 home pages of world band radio stations, with 69 links that launch live or on-demand audio feeds--40 of the most popular are on a drop-down menu. A further 99 links play back specific programs--56 are on drop-down menus. There are links to further collections of stations, as well as schedule sources. The "Shortwave Links" page leads to 54 news sources and 193 shortwave and radio-related sites. There's now an International Listener search engine, plus links to 17 other popular search engines. The "British Radio" page has London and UK stations, and launches 46 different livestream broadcasts. There are links to 28 British newspapers and magazines,

numerous broadcast schedule sources, plus other fun UK stuff like webcams, panoramas, tourism sites and Beatles stuff. The "Television" page has 38 video feeds and TV collections, plus 57 TV program sites. The "Library" page is full of suggested reading material, and the "Multimedia Software" page leads to free software for listening to all this great stuff. And that's not mentioning the monthly round-up of "Shortwave News". All this can be found at: <<http://www.internationalistener.com>>.

As one of the steps in an ongoing reorganisation within CEPT and in order to reduce overheads and increase efficiency, the European Telecommunications Office (ETO) was merged with ERO with effect from 1 January 2001. Some of the tasks previously carried out by ETO have been taken over by ERO, viz numbering, licensing and One-Stop-Shopping, and are being performed on behalf of the ETO Administrative Council and ECTRA. The merger brings the total number of ERO staff to 17: 9 experts covering most fields within the radio- and other telecommunications areas (two of these experts will join the office 1 February and 1 April, respectively) and 8 administrative staff members. **(ERO)**

Im Januar ist die völlig neubearbeitete und erweiterte 10. Ausgabe des **Weltempfänger-Testbuchs** im Siebel Verlag erschienen. Wie in den früheren Ausgaben stellt der bekannte Rundfunk-Fachjournalist Nils Schiffhauer in dem Handbuch wieder alle auf dem Markt befindlichen Geräte in ausführlichen Tests vor. In einem Extra-Kapitel finden sich informative Hinweise zu vielen älteren Empfängern, die in dieser aktuellen Ausgabe nicht mehr berücksichtigt wurden. Weitere Kapitel beschäftigen sich mit Radio im Internet, WorldSpace, Satellitenradio, PC-Radio und Radio-Software. Das Buch von 320 Seiten (DIN A5) ist zum Preis von DM 34,80 im Buchhandel oder direkt vom Siebel Verlag, Auf dem Steinbüchel 6, D-53340 Meckenheim, erhältlich (ISBN 3-89632-047-5).

Hier schon eine Vorankündigung des traditionsreichen **DX-Camps Döbriach 2001**: Dieses findet voraussichtlich vom 14. Juli bis 4. August am Kärntner Millstättersee statt. Nähere Informationen über das Camp sind erhältlich von: Franz Ladner, Leipzigerstr. 21/28, A-1200 Wien, E-Mail: <[fladner@chello.at](mailto:fladner@chello.at)>.

And with this best wishes and good DX until next month from



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

**AUSTRALIA:** B00 schedule of **Radio Australia - RA** direct and relay transmissions.

ENGLISH

0800-1130 on 15240 TAI (x15125 to avoid VIOROI/IRIB in Ar)

2200-0130 on 15240 TAI (x2200-2330 15110 to avoid REE in Sp)

INDONESIAN

0000-0030 on 17750 SHP

0000-0030 on 21615 TIN (x21745 to avoid RAustralia in En on 21740)

0400-0430 on 17750 SHP            0400-0430 on 21785 TIN

0500-0530 on 11745 TAI            0500-0530 on 17750 SHP

0800-0830 on 11550 TAI            0800-0830 on 17750 SHP

0900-0930 on 17750 SHP            2130-2330 on 11550 TAI

2130-2330 on 11695 SHP            2130-2330 on 15415 SHP

KHMER

0500-0530 on 17865 SNG            2300-2330 on 9730 SNG

MANDARIN CHINESE

1400-1530 on 9475 SHP            1400-1530 on 15435 SNG

VIETNAMESE                            2330-0030 on 15110 TAI

SAI=Saipan; SHP=Shepparton; SNG=Singapore; TAI=Taiwan; TIN=Tinian.

(RA web site via OBSERVER via BC-DX #506; 2001, Feb 6)

Here are some updates and corrections to information on RA txions and programs:

Complete English Sce Transmission Schedule:

5995	Brandon	10 kW	10 degr	0800-0900	1100-1400
5995	Shepparton	100 kW	30 degr	1400-1800	
6020	Shepparton	100 kW	30 degr	1100-1400	
6080	Shepparton	100 kW	334 degr	1400-1800	
6080	Shepparton	100 kW	5 degr	1800-2000	
7240	Shepparton	100 kW	30 degr	1800-2000	2100-2200
9475	Shepparton	100 kW	329 degr	1100-1400	1530-1900
9500	Shepparton	100 kW	329 degr	1900-2130	
9580	Shepparton	100 kW	70 degr	1100-2130	
9710	Shepparton	100 kW	353 degr	0800-0900	
9815	Shepparton	100 kW	30 degr	1700-2100	
11650	Shepparton	100 kW	30 degr	1100-1700	
11660	Shepparton	100 kW	329 degr	1330-1700	
11695	Shepparton	100 kW	329 degr	2330-0000	
11880	Shepparton	100 kW	329 degr	0900-1330	
11880	Shepparton	100 kW	65 degr	1700-2200	
12080	Brandon	10 kW	80 degr	2000-2200	2300-0100 0700-0900 1100-1200
13605	Shepparton	100 kW	30 degr	0800-1100	
15110	Taiwan	250 kW	Asia	2200-2330	[may change to 15240]
15125	Taiwan	250 kW	Asia	0800-1130	
15240	Shepparton	100 kW	329 degr	2200-0000	
15240	Shepparton	100 kW	353 degr	0000-0700	
15240	Shepparton	100 kW	90 degr	0700-0900	
15415	Shepparton	100 kW	353 degr	2330-0000	
15415	Shepparton	100 kW	329 degr	0000-0900	
15515	Shepparton	100 kW	90 degr	0200-0700	
17580	Shepparton	100 kW	30 degr	0000-0800	
17715	Shepparton	100 kW	30 degr	2100-0000	
17750	Shepparton	100 kW	329 degr	0030-0400	0430-0500 0530-0800 0830-0900; 0930-1100
17795	Shepparton	100 kW	50 degr	2200-0200	
21725	Shepparton	100 kW	329 degr	0100-0900	
21740	Shepparton	100 kW	70 degr	2100-0100	
21820	Shepparton	100 kW	329 degr	0900-1400	

(Roger Broadbent - RA via John A. Figliozzi via DXLD via BC-DX #506, 11 Feb 2001)

**BANGLADESH:** *Bangladesh Betar* is now heard reasonably well in English at 1745-1815 with 'Voice of Islam' and at 1815-1900 with 'Radio Bangladesh' on 7185 (QRM Tirana in Ge 1830-1900) and 9550. They also announce 15520 which is not heard here in Copenhagen. (Erik Koie via BC-DX #503, 2001 Jan 17)

**BELARUS:** *Radio Stoliza* on 3346 usb is a regional outlet of Belorussian Radio for the region of the capital Minsk ("stoliza" means capital in English). So far known only on regular BR-1 frequencies (49/41mb) twice a day. (Eike Bierwirth via BC-DX #502, 2001 Jan 15)

**BELGIUM:** Because of the uncertain situation in Congo, *RVI Brussels* temporarily increases its broadcasts in Dutch to CeAF from 1.5 to 5 hours daily:

0500-0700	11650	Wavre	(add it from 18 Jan)
0700-0800	21530	Wavre	(add it from 18 Jan)
1200-1230	21630	Wavre	(normal schedule)
1700-1730	15385	Wavre	(add it from 17 Jan)
1900-2000	15520	DTK Juelich	(normal schedule)

The 1900-2000 broadcast may also be heard in CeAF on 13770 (DTK Juelich to ME & EaAF), 13645 (RNW Madagascar to SoAfrica) and 9925 and 5910 (Wavre to SoEurope). **RTBF International** told, there are not yet any plans for additional broadcasts to CeAfrica. The station maintains its current schedule (totaling 57 hours/week via DTK Juelich to CeAfrica). However, the Wavre tx on 9970 will stay on the air until 2200,

## 6

instead of 1815 UTC to transmit football coverage on 17, 19 and 20 Jan 2001. So this has nothing to do with the situation in Congo.

(RVI via Paul Brems - DXA via WB, 2001 Jan 17)

**CAMBODIA:** External service of *National Radio of Cambodia* at 11940 KHz. Address: National Radio of Cambodia, 106 Preah Kossamak Street, Monivong Blvd., Phnom Penh, Cambodia.

0000-0015, 1200-1215 E

0015-0030, 1215-1230 F

0030-0045, 1230-1245 Thai.

0045-0100, 1245-1300 Laos.

0100-0115, 1300-1315 Vietn.

(Marcelo Cornachioni in Conexion #92 via WWDXC-HQ; February 4, 2001)

**CHINA (Peoples Rep.):** The SW broadcasting structure is:

China National Radio Network 1 (CNR1): 2000-1735 (Mandarin)

China National Radio Network 2 (CNR2): 2100-1600 (Mandarin)

Taiwan Network 1 (CNR5): 0055-0615, 0955-0005 (Mandarin)

Taiwan Network 2 (CNR6): 2055-0105, 0355-1805 (Mandarin)

China National Radio - National Minorities Network (Kazakh, Korean, Mongolian, Tibetan, Uighur) (CNR8): 2100-1657

Voice of the Strait: 2055-0100, 0755-1800 (Mandarin and Amoy)

China Radio International - external Services: 0830-0557

CNR3: is also known as "Leisure FM" and is not on SW

CNR4: is the FM service for National Minorities, not on SW

CNR7: is the Voice of Huaxia, not on SW

Note: The English designation is "China National Radio", though it identifies in Mandarin as Central Peoples' Broadcasting Station.

OVERSEAS RELAYS. CRI has overseas relays at:

Bamako (Mali)

Brasilia (Brazil)

Havana (Cuba)

Issoudin (France)

Montsinery (French Guiana)

Noblejas (Spain)

Sackville (Canada)

Samara (Russia)

St. Petersburg (Russia)

Taldom (Russia)

NATIONAL NEWS HOOKUPS: these are given in the National Network 1 1030-1100 and 1200-1230; in National Network 2 1400-1430.

NATIONAL MINORITIES NETWORK (CNR8): This includes relays of the Nei Menggu Radio, and the Tibetan Peoples' Broadcasting Station.

RELAYS OF INTERNATIONAL BROADCASTERS: For B-00, these are

RFI:

0100-0157 French 17710 Beijing

1100-1200 French 11600 Beijing

1200-1257 Khmer 11600 Beijing

1400-1457 English 11610 Xian

1600-1657 French 6090 Kunming

REE:

1000-1157 Spanish 9660 Beijing

1200-1257 Spanish 11910 Xian

VOR:

1500-1557 English 11500 Xian

RCI:

0200-0257 English 17860 and 15260 both Xian

(EDXP #201 - Special Edition, 24 Jan 2001)

**CHINA (TAIWAN):** B00 schedule of *Central Broadcasting System of Taiwan - CBS* has made extensive changes to its HF usage, affecting Radio Taipei International, leased

relays in Taiwan, and the relays of the Domestic networks. The main features of the new schedule are as follows:

TAIWAN TRANSMITTERS:

6280: RTI. This is a NF, Spanish 2100-2200, relay Domestic Network 0900-1400 (operations may extend outside these hours, to be confirmed)

9610: RTI. Korean and Spanish. This is a weird situation! At 2100-2200, there are two RTI services operating on this channel from separate transmitters - Korean (new service) and Spanish!! The Korean is intended for Asia, and the Spanish for Europe, the latter in parallel with 6280. From 2100-2127 the channel is also used by CRI in Italian, for Europe. Here in Melbourne, the Korean service dominates.

9690: CBS. Extended operations include Cantonese 0200-0300, relay Domestic Network

11550: RTI. Extended operations include English 1600-1700 (new service), Indonesian 1000-1100, Amoy 0000-0100

11725: RTI. Additional service in Vietnamese 0100-0200

11970: RTI. NF, and is an additional service in Russian to Asia 0900-1000

15060: RTI, NF, and is an additional service in Arabic 1600-1700. This freq is also used for Family Radio programming to India 0000-0200 in Hindi and English

15110: Radio Australia, 2330-0030 Vietnamese

15345: Usage of this freq has been reduced, with some services having been transferred to 15270. The channel is now used only for Chinese dialects, Vietnamese and English, in the period 0100-0200, 0300-0500, 0900-1200, 1300-1400, 1500-1600.

FROM OKEECHOBEE:

15440: RTI. Via Okeechobee 0000-0100 Amoy, additional service. This freq is now in use from 2200-0200.

The Okeechobee relay is scheduled:

5810 2100-2300 German, English

5950 2200-0800 English, Spanish, Mandarin, Cantonese

7520 0100-0200 Cantonese

9355 0600-0800, 1900-2300 German, French

9680 0200-0600 English, Mandarin, Cantonese

9690 2300-0100 Spanish, Cantonese

11665 2000-2100 Mandarin

11720 2300-0000 Spanish

11740 0200-0500 English, Cantonese, Spanish

11825 0100-0300 Hakka, English

15215 0200-0300 Spanish

15440 2200-0200 Mandarin, Amoy, Cantonese

15695 1300-1400 Russian

17760 1800-2000 French, Mandarin

The CBS Home Page has also been rearranged, but it is a hotchpotch of outdated, inconsistent, and ambiguous information. It appears that each language department of RTI is responsible for presenting its own Web page, in their own languages, and there is no composite schedule available. The Domestic Service Network data is incomprehensible, being in Chinese dialects.

The SW broadcasting structure in Taiwan is:

CBS Variety Network - 24-hrs (Mandarin)

CBS News Network - 24-hrs (Mandarin)

CBS Popular Network (Mandarin) - relayed on SW at various times

Radio Taipei International (including relays at various times of domestic services)

Voice of Asia - 0500-1700 and 23400-2359 in Mandarin, English, Indonesian, and Thai

Many SW channels are shared across various services.

Some channels may carry more than one service at the same time, using different frequencies, for different target areas.

Frequency coordination between the CBS and the PRC leaves a lot to be desired, with many channels being used simultaneously by both organizations for the same target areas.

The Okeechobee relay is in use from 1300-1400, and 1800-0800. The "silent" periods are 0800-1300 and 1400-1800. Maximum simultaneous transmitter deployment for this relay is between 0100-0200 when six transmitters are in use: 5810 5050 7520 9680 9355 and 15440.

The other relay is in the United Kingdom, at Skelton:

3955 1800-2000

3975 2300-2359

5995 1900-2000 (EDXP #201 - Special Edition, 24 Jan 2001)

**GERMANY:** Test transmissions starting at 12th February 2001 of *Family Radio - WYFR* via *German Telecom - Relay* Juelich, Germany. Last day of testing 25 February 2001.

Start Stop KHz Azi. Target, Language, CIRAF Zones

1600 1800 13855 145° OAF Engl. A+B 47, 48, 53

1800 2100 15775 160° CAF, SAF Franz., Engl. A+B 38, 47, 52, 57

1900 2200 13855 200° WAF Franz., Engl. A+B 37, 46

(Ralf Weyl via WDXC-HQ; February 07, 2001)

**ITALY:** Schedule B00 from *RAI International* valid until 25 March 01. Postal address

RADIO ROMA - RAI International - Casella Postale 320 - 00100 Roma.

0000-0050 Italian 6010, 9675, 9840, 11755, 11800

0050-0110 English 6010, 9675, 11800

0050-0110 Spanish 9840, 11755

0110-0125 French 6010, 9675, 11800

0110-0125 Portuguese 9840, 11755

0130-0230 Italian 6010, 6110, 9675, 9840, 11755, 11765, 11800

0230-0305 Italian 6010, 9675, 9840, 11755, 11800

0305-0325 Spanish 6010, 9675, 9840, 11755, 11800

0330-0350 Russian 5975, 7230, 9690

0350-0410 Ukrainian 5975, 7230, 9690

0415-0425 Italian 6145, 7120

0415-0435 Amarico 15250, 17780

0425-0440 English 6145, 7120

0435-0510 Italian 15250, 17780

0445-0505 Lithunian 5980, 7130

0510-0530 Rumanian 5975, 7130

0510-0530 Somali 15250, 17780

0535-0555 Russian 7130, 9670, 11800

0535-0555 Arabic 9690, 11880

0600-1000 Italian 9670, 11800, 17710,

1000-1100 Italian 9670, 11800, 11920, 17710, 21520

1100-1300 Italian 9670, 11800, 17710, 21520

1335-1355 Albanic 9670, 11670

1355-1730 Italian 9670, 17780, 21520, 21535, 21710 (Sun)

1400-1415 Slovene 9585, 11670

1400-1425 Italian 17780, 21520

1415-1435 German 9585, 11670

1430-1455 Arabic 9670, 11890

1435-1455 Croatian 9585, 11670

1500-1520 Turkish 9560, 11910

1500-1525 Arabic 9670

1500-1525 Italian 11880, 11890

1520-1540 Greek 9560, 11910

1530-1555 French 7240, 9670, 11880

1540-1600 Bulgarian 9560, 11910

1555-1625 Italian 7240, 9670, 11880

1605-1625 Russian 9840, 11920, 11950, 15280, 15290

1630-1655 French 9670, 12010

1630-1655 Arabic 9690, 11880, 15330

1700-1800 Italian 9670, 11910, 15230, 15320, 15330, 17660

1805-1825 German 5990, 7135, 9805

1815-1830 Czech 6110, 7240

1830-1845 Slovakian 6110, 7240

1830-1905 Italian 15250, 17780

1845-1905 Polish 6110, 7240

1910-1930 Serbian 6015, 7240

1910-1930 Somali 11880, 15270, 17780

1935-1955 English 5970, 7285, 9760



1935-1955	Hungarian	6015, 7240
2000-2020	Russian	6125, 7190, 9670
2000-2020	Swedish	5955, 7290 (Mon, Wed and Fri)
2000-2020	Esperanto	5955, 7290 (Sab)
2000-2020	Danish	5955, 7290 (Sun, Tue and Thu)
2025-2045	Arabic	6135, 7290, 9670, 11910
2025-2045	English	7220, 9710, 11880
2050-2110	Portuguese	6135, 7290, 9710, 11880, 15240, 15250
2110-2130	Spanish	6135, 7290
2115-2135	Rumanian	6110, 7125
2135-2155	Czech	6110, 7125
2135-2155	Arabic	6135, 7290
2155-2210	Slovakian	6110, 7125
2200-2225	English	9675, 11900
2210-2225	Polish	6110, 7125
2230-2359	Italian	6010, 9675, 9840, 11755, 11800

(Conexion #92 via WDXC-HQ; February 4, 2001)

B00 schedule for **IRRS-Shortwave**, effective 29 October, 2000 - 25 March, 2001. IRRS-Shortwave transmitter is located at Milano, Italy 09° 11' East and 45° 27' North. Transmission Mode is A3A = USB -6 dB reduced carrier AM compatible in the target area, use USB or sync detector for DX reception outside target area. Address: IRRS-Shortwave, PO BOX 10980, I-20110 Milano, Italy. Fax: +39-2-70638151 and email: info@nexus.org

kHz	UTC	Days	ITU Zones	Azimuth	Language
3985	0530-0700	Daily	18-19, 27-29, 37-39	non directional	English, Italian
7120	0700-0800	Daily	18-19, 27-29, 37-39	non directional	English, Italian, German
7120	0800-1600	Sat+Sun	18-19, 27-30, 37-39	non directional	English, Italian, German
3985*	1800-2315	Daily	17-20, 27-30, 37-39	non directional	English, Italian, German

\* = Alternative: 3980 kHz (IRRS website via JKB, 17 Feb 2001)

**IRELAND:** Recent B00 **Radio Telefis Eireann - RTE** schedule. Address: Radio Telefis Eireann, Broadcasting Developments, Dublin 4, Ireland.

0130-0200	6155	Central America	via Rampisham, UK
1000-1030	11740	SE Asia/Australia	via Singapore
1830-1900	9895	Middle East	via Skelton, UK
1830-1900	13640	Gen & East America	via Sackville, Canada
1830-1900	21630	Africa	via Ascension Island

(Marie Lamb via RI #186/01 via WDXC-HQ; February 03, 2001)

**KUWAIT:** Latest schedule of **Radio Kuwait**, PO Box 397, Safat 13004, Kuwait.  
Shortwave Stations:

Gulf & Arabian Peninsula	Main Arabic	6055	0200-1305
Middle east	Main Arabic	154595	0200-1305
Middle east	Main Arabic	9880	1315-2130
North, West & Central Africa	Main Arabic	15505	0815-1740
North, West & Central Africa	Main Arabic	15495	1800-0000
Europe & North America	Main Arabic	13620	0930-1605
Europe & North America	Main Arabic	11990	1615-1800
Europe & North America	Main Arabic	15505	1745-2300
Europe & North America	Main Arabic	9855	1800-0000
Europe & North America	English	11990	1800-2100
North America (West)	Main Arabic	11675	0000-0530
South & South east Asia	Main Arabic	15110	0445-0930

Far East	Main Arabic	17885	0900-1505
West Asia	Main Arabic	15505	0400-0805
South & South east Asia	Main Arabic	15110	1315-1730

Medium Wave Stations:

Main Arabic	540	24 Hours	
Main Arabic	1134	24 Hours	
Main Arabic	963	24 Hours	
2nd Arabic	1341	1000 AM - 800 PM	Local Time
Quran	630	24 Hours	
Quran	1341	500 AM - 1000 AM	Local Time
Quran	1341	800 PM - 0200 AM	Local Time
Arabic Music & Songs	1269	24 Hours	(Website R. Kuwait via JKB, Jan 2001)

**LITHUANIA:** The *Lithuanian Radio* is looking for your help! Several weeks ago the Lithuanian Radio started to transmit their programs to NoAM directly from Lithuania. The transmitter is located in Sitkunai, about 20 km northwest from the city of Kaunas. Even though the economical situation in Lithuania is very difficult, the funding was found (approx \$250.000 US) for the construction of a new, modern antenna. A beautiful antenna was built with the height of 110 meters (approximately 350 feet) with the radiation direction toward NoAM - azimuth 310 degra. It is a collinear, four level, four dipole system (a total of 16 dipoles). The gain is about 20 dB which is about 100 times! The antenna is wideband and can operate between 6 and 12 MHz. A new, modern 100 kW transmitter was also purchased which cost a great deal of money. Up until now, programs from Lithuanian Radio to NoAM were transmitted from Germany. Understandably, this was a very large expense. Now, however, transmitting the programs directly from Lithuania will save a great deal of money. For several weeks now the new transmitter is transmitting in the 31 mb. At first, an attempt was made to use 9735. Now 9875 is utilized between 0000-0100. Experiments are also conducted in the 12 MHz region while looking for a clear frequency. LY2NX and K9WR have visited this station twice during December. There were discussions with engineers in determining the best frequency and time. The engineers at the Sitkunai radio station are relying on the help of American Lithuanians. It would be very good to send reception reports. Comments regarding QRM or other interference are welcome as well as suggestions. Reports should be sent by email to Mr. Petras (Peter) Leskevicius, PELES@LRTC.LT (Rimas Zakarevicius, LY2NX via BC-DX #501; 2000 Dec 26)

**LUXEMBOURG:** *Radio Luxembourg* French programming from Luxembourg on the French service of RTL 234 kHz began broadcasting again from the 16th January, one month after it was closed. Programs from Luxembourg are now heard 0000-0300 CET Monday to Sunday, news are broadcast hourly from Paris. The schedule:

Mon-Thu	0000-0300	'Les Nocturnes'	by Georges Lang
Fri	0000-0300	'WRTL Country'	by Georges Lang
Sat	0000-0200	'Saga'	by Georges Lang
Sat	0200-0300	'Les Nocturnes'	by Jean-Francois Johann
Sun	0000-0300	'Classic Rock'	by Jean-Francois Johann

(Stephane Veron; January 20, 2001)

**MISCELLANEOUS:** *Transmissions in Esperanto.*

0700-0730	R.Habana Cuba	9820	sun	As/NAm
1100-1127	China Radio Int.	7150 7170	day	EAs/Jap
1300-1327	China Radio Int.	11650 11840	day	SEAs
1430-1500	Radio Polonia	7275 7285	day	Eu
1500-1530	R.Habana Cuba	11760	sun	Am/Car
1900-1930	Radio Polonia	7130	day	Eu
1930-2000	R.Habana Cuba	13660 13715 13750	sun	Eu
2000-2027	China Radio Int.	7110 7265 9965	day	Eu
2000-2020	RAI Internat.	5955 7290	sab	Eu
2020-2030	Radio Vaticana	527 1530 4005 5883	sun	Eu
2020-2030	Radio Vaticana	1611 7250 9645	wed/thu	Eu
2130-2155	R.Austria Int.	5945 6155 13730	sun	Eu
2130-2155	R.Austria Int.	5945 6155 13730	ven	Eu

2200-2230 R.Habana Cuba 13660 13715 13750 sun Eu  
 2230-2257 China Radio Int. 9860 11700 day SAm  
 2250-2300 Radio Vaticana 527 1530 4005 5883 sun Eu  
 2330-2400 R.Habana Cuba 6070 9505 11760 sun Am/Car  
 (Marcello Casali via Radiorama 1/2001 via RI via DXLD via BC-DX #504, 27 Jan 2001)

**MYANMAR:** Observations of *Radio Myanmar* and *Defence Forces Broadcasting Station*:

Poor but clear signal from R Myanmar on 4725, 1335-1440 in Verncaular, 1440-1505\* in English, giving results of some lottery or lotto or quiz. Usually cl-down is around 1440 on that frequency. (Rumen Pankov via BC-DX #503, 2000 Dec 31/ 2001 Jan 1)

6570 Defense Forces Broadcasting Stn presumed here. 1615 local pop mx with no annts, 1630 annts by man, woman and another woman in local languages, on the second long annt Myanmar heard, instrumental tune on local instruments and off 1633. (Mike Barraclough via BC-DX #503, 2001 Jan 18)

6570 The Defense Forces Broadcasting Stn was listed as being a Thai-Kadai language, then listed Shanor Karen. Shan is a member of the Thai family (Kadai is a subgroup) and Karen is part of the Sino-Tibetan family, probably it's own subgroup. (Liz Cameron via BC-DX #503, 2001 Jan 13)

4725 R Myanmar w/ excellent signal 1455-1510.5 w/ man talking about poetry (English). Unusual signal level - tx hum in background. This freq not often hrd after normal 1330 s-off. On Jan 13 same channel was hrd 1450 to past 1502 w/ woman ann in Myanmar, not English, S4 level.

v5986 R Myanmar w/progr of US pop vocals 1508-1514, woman ann w/ ID 1514 fol by martial progr mx to 1515. Woman ann w/ time (9:45), stn annmt and nx at 1515-1531. Light inst mx from "Titanic" 1533-1542. S4 level w/ no QRM. This channel relatively clear after VOA Udorn s-off 1400.

(Bruce Churchill at Cumbre via BC-DX #503, 2001 Jan 13)

**NEPAL:** *Radio Nepal* transmits on following frequencies: At MW - 576 khz, 648 khz, 684 khz, 792 khz, 810 khz and 1143 khz. At SW - 3230 khz / 7165 khz, 5005 khz. Fax: 977-1-221952 and postal address Radio Broadcasting Service, P.O. Box 634, Singha Durbar, Kathmandu, Nepal. (R. Nepal webpage via JKB, 17 Feb 2001)

**NEW ZEALAND:** *Radio New Zealand International - RNZI* valid schedule 25 December, 2000 to 18 March 2001. Address: P.O.Box 123, Wellington, New Zealand. Fax: 00 64 4 474 1433 and e-mail address is info@rnzi.com

UTC	kHz	Target	AZI	Day
1650-1850	11725	NE Pacific, Samoa, Cook Islands	35'	Monday to Friday
1750-1950	15120	All Pacific	0'	Monday to Friday
1950-0705	17675	All Pacific	0'	Monday to Friday
1855-0705	17675	All Pacific	0'	Saturday & Sunday
0705-0859	15175	All Pacific	0'	Daily
0859-1205	15175	NW Pacific, Bougainville, East Timor, Asia	325'	Daily

Bougainville/Timor Transmission 1000-1205 UTC beamed to the North Western Pacific and Asia. Programs at this time are for the NZ Peace keeping Troops based in Bougainville and East Timor. Usual Closedown is 1205 UTC - however for occasional over-night broadcasts to the Pacific for Cyclone Warnings our frequencies are as follows: 1205-1650 UTC 6095 kHz. (RNZI website last-modified 9 Aug 2000 via JKB, Feb 2001)

**POLAND:** *Polish Radio Warsaw* B00 external service valid to March 25, 2001.

POLISH				RUSSIAN			
0305-0355	225			1200-1229	9540	7250	
1130-1159	7285	5995		1400-1429	9540	7285	
1200-1225	7285	7270		1530-1555	7230	6000	
1630-1729	7285	6035		1900-1929	7270	5995	
2200-2259	7270	6095	6035	2000-2025	7180	7210	6095 6035
LITHUANIAN				UKRAINIAN			
1400-1425	6035	6095		1530-1559	7285	6035	
1600-1629	7180	6035		1600-1625	7130	6015	

1630-1655	7180	6015		
1730-1755	7270	6035		
1930-1959	7295	7130	6035	5996
2130-2155	7180	6000		
CZECH				
1100-1129	7285	5965	except	Monday
1700-1725	7215	6095	except	Sunday
SLOVAK				
1100-1129	7285	5965	Monday	only
1700-1725	7215	6095	Sunday	only
BELARUSSIAN				
1230-1555	7285	5995		
1430-1529	6035	5995		
1730-1859	7285	5995		

1800-1855	7270	6035		
2130-2155	7340	6035		
ESPERANTO				
1430-1455	7285	7275		
1900-1925	7130			
ENGLISH				
1300-1359	11820	9525	7270	6095
1800-1859	7285	5995		
2030-2129	9540	7265	7185	6030
GERMAN				
1230-1259	9525	6095		
1500-1525	7285	6095		
1900-1925	7285			

(Polish Radio webpage via JKB, 17 Feb 01)

**PORTUGAL:** Special program for DX friends, Novo Mundo, at **RDP Internacional** Lisboa on Mondays after 0030 UTC. If you are interested about promotional information of RDP, you may consult web site at: <http://www.rdp.pt> (Isabel Saraiva - Radio Portugal International in GDXM #4 via WWDXC-HQ; January 11, 2001)

**RUSSIA:** Relays of Radiostation Chechnya Svobodnaya, px Kamchatka Rybatskaya, Radio Kabardino-Balkariya, Radio Adygeya, Radio Rossii, Radio Tatarstan, Radistation Tikhiy Okean and Voice of Russia via short wave transmitters in Russia until 03/24/2001 (kHz-UTC-kW-Azimuth-Radiostation).

CRR-1 (Moscow)

5910	0200-0500	100	000°	RR
5910	1530-2200	100	000°	RR
5920	0200-0600	100	240°	RR
6060	1530-2200	100	240°	RR
6090	1700-2100	VOR		
6115	0200-0500	250	310°	RR
6130	1700-2100	VOR		
6145	1600-2000	VOR		
7140	1830-2200	250	265°	RR
7205	1700-2200	VOR		
7250	0530-1500	100	000°	RR
7330	0000-0300	500	VOR	
7330	1600-2200	VOR		
7340	1700-2200	VOR		
7350	0000-0300	500	VOR	
7350	1730-2200	250	310°	RR
7380	2100-2200	VOR		
7380	0200-0500	250	265°	RR
7390	1600-2000	VOR		
7440	0000-0300	500	VOR	
7445	1500-2100	250	160°	CS
9450	0000-0300	500	VOR	
9470	0000-0300	500	VOR	
9470	0600-1430	250	160°	CS
9470	1830-2100	VOR		
9480	1700-2100	VOR		
9490	1700-1900	VOR		
9720	0630-1500	100	240°	RR
9775	1600-2100	VOR		
9800	1300-1600	500	VOR	
9830	1500-2000	VOR		
9860	0530-0800	250	310°	RR
11630	1530-1800	250	265°	RR

12055	1300-1600	500	VOR	
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12060	0530-0800	250	265°	RR
13705	0830-1700	250	310°	RR
15470	1200-1300	VOR		
17600	0830-1500	250	265°	RR

CRR-2 (S.Petersburg)

5935	0300-0600	400	145°	CS
5975	1800-2000	400	220°	VOR
7130	1700-1800	400	145°	VOR
7130	1830-2000	400	145°	VOR
7230	1830-2100	400	215°	VOR
7290	1700-2000	200	215°	VOR
7305	1830-2100	400	145°	CS
7310	0000-0300	800	270°	VOR
7335	0300-0700	400	145°	CS
7340	1430-2100	400	145°	CS
7355	1500-1800	400	145°	CS
7370	1600-2200	400	215°	VOR
7420	1600-1630	200	215°	VOR
9480	0100-0400	800	270°	VOR
9840	1530-1800	400	145°	VOR
9890	1800-2200	400	270°	VOR
11635	0630-1430	400	145°	CS
12030	1600-1700	400	145°	VOR
15605	0730-1400	400	145°	CS

CRR-2 (Kaliningrad)

5905	1530-2100	160	120°	RR
5950	1800-2200	160	245°	VOR
7125	1600-1900	160	205°	VOR
9450	0300-0700	160	120°	RR
12010	1000-1100	320	205° + 245°	VOR
15355	0730-1500	160	120°	RR

CRR-3 (Samara)

5920	1600-2000	200	245°	VOR
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5935	1530-1800	250	175°	VOR	15525	0600-0800	100	175°	VOR
5935	1900-2000	250	175°	VOR	CRR-8 (Komsomolsk-na-Amure)				
6000	1700-2230	200	245°	VOR	7155	1200-1500	250	180°	VOR
6045	1800-2200	200	310°	VOR	12010	0200-0600	250	035°	VOR
6125	0200-0500	100	130°	RR	15460	0630-1000	250	180°	VOR
6125	1430-2200	100	130°	RR	15470	0200-0600	250	035°	VOR
7215	1700-2000	250	285°	VOR	CRR-10 (Irkutsk)				
7315	1400-1700	250	140°	VOR	5930	1000-1400	100	110°	VOR
7320	1700-2000	200	245°	VOR	7135	1200-1500	250	125°	VOR
7390	0000-0300	500	285°	VOR	7290	2000-2300	100	065°	RR
7420	1800-2000	200	245°	VOR	7440	0730-1600	100	065°	RR
9470	1500-1800	250	225°	VOR	9700	2330-0700	100	065°	RR
9900	1300-1600	250	140°	VOR	12055	1000-1100	250	110°	VOR
9905	2000-2200	250	285°	VOR	17570	0600-0900	500	150°	VOR
11915	0900-1000	200	310°	RT	21790	0600-0800	250	150°	VOR
11990	0530-1400	100	130°	RR	CRR-11 (Novosibirsk)				
12045	1300-1500	250	140°	VOR	7260	1200-1500	200	110°	VOR
15105	0500-0600	250	065°	RT	7305	1000-1200	500	085°	VOR
15105	0700-0800	200	115°	RT	7305	1400-1700	500	195°	VOR
15455	1000-1100	250	285°	VOR	7315	1000-1200	200	110°	VOR
15460	1300-1500	250	140°	VOR	7315	1230-1400	200	110°	VOR
TCR-4 (Krasnodar)					9490	1300-1500	500	145°	VOR
5895	1630-2200	100	325°	RR	TCR-12 (Chita)				
5925	1530-2000	100	155°	VOR	6205	1200-1300	500	195°	VOR
5940	1800-2200	500	315°	VOR	9875	1500-1600	500	240°	VOR
6005	1500-1800	100	190°	VOR	9875	1700-2000	500	240°	VOR
6005	1800-1900*	100	190°	RA	17655	0600-0900	500	195°	VOR
6005	1830-1900**	100	190°	RK	Vladivostok Radio Centre				
7260	0100-0400	500	285°	VOR	4010	1000-1500	100	210°	VOR
7300	1600-2200	250	285°	VOR	6170	1100-1300	100	270°	VOR
7360	1700-2100	500	285°	VOR	7135	1900-1945	500	230°	TO
7365	0200-0500	100	105°	RR	7170	1300-1500	500	230°	VOR
9810	0100-0400	500	285°	VOR	7205	1200-1500	500	230°	VOR
9860	0100-0300	500	285°	VOR	7355	1000-1200	500	230°	VOR
9865	1700-1900	500	190°	VOR	15445	0200-0600	500	050°	VOR
12005	0930-1600	100	105°	RR	Petropavlovsk-Kamchatskiy Radio Centre				
12025	1300-1600	500	105°	VOR	5940	1000-1300	100	245°	VOR
12065	0530-0900	100	105°	RR	7180	1500-1900	250	065°	VOR
15535	1400-1500	500	105°	VOR	7355	2000-2100***	100	245°	KR
15540	1000-1100	250	285°	VOR	12065	2000-2100***	065	065°	KR
CRR-8 (Khabarovsk)					13665	0200-0500	250	065°	VOR
6145	1100-1500	100	220°	VOR	15525	0200-0400	100	065°	VOR
7175	0815-0900	100	040°	TO	15595	0200-0600	200	065°	VOR
7210	2000-0810	100	020°	RR	17595	0200-0600	250	065°	VOR
7210	0815-0900	100	020°	TO	17660	0200-0400	100	065°	VOR
7210	0900-1600	100	020°	RR	Ekaterinburg Radio Centre				
7340	1100-1500	100	220°	VOR	7220	2200-1800	200	050°	RR
7490	1000-1300	080	065°	VOR	7310	1800-2100	200	265°	VOR
9905	0830-1000	100	175°	VOR	7380	1600-2100	200	265°	VOR
12020	0200-0600	100	040°	VOR	9450	1600-2000	200	265°	VOR
15470	0600-1000	100	175°	VOR					

CS = Radiostation Chechnya Svobodnaya

KP = px "Kamchatka Rybatskaya"

PK = Radio Kabardino-Balkariya

RA = Radio Adygeya

RR = Radio Rossii

RT = Radio Tatarstan

TO = Radiostation Tikhii Okean

VOR = Voice of Russia

\* Mon, Fri ; \*\* Wed, Thur, Sun : \*\*\* Tue, Thur, Sat

(N. Rudnev in RUS-DX #90-A via A. Klepov via WDXC-HQ, 4 Jan 2001)

**SEYCHELLES:** The *Far East Broadcasting Association - FEBA*, a U.K. based religious international broadcaster with shortwave transmitters in Seychelles. Transmitter Site (SEY): 04 deg 36" S, 55 deg 28" E. B: Broad beam of 68deg at -6dB, CHR 2/3/0.5 N: Narrow beam of 35deg at -6db, CHR(S)4/3/0.5, slew +/-12 or 18deg. FEBA Radio is a Christian evangelical broadcaster and an autonomous member of the Far East Broadcasting Company which also operates Christian radio stations in the Philippines, Russia, Saipan and South Korea. Postal address: FEBA Radio, Ivy Arch Road, WORTHING BN14 8BX, UK. Website: <www.febo.org.uk>. Broadcast Schedule, B00 Winter 2000, 29th October 2000 to 25th March 2001:

Time UTC	Days	Languages	Frequency kHz	Azimuth deg	Power Kw				
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NORTH INDIA, NEPAL, TIBET									
0030-0100	smtwtfs	HINDI	7265	040 B	100	1630-1700	.....f.	DHIVEHI	11605 052 N 100
0100-0115	smtw...	MARATHI	7265	040 B	100	PAKISTAN, AFGHANISTAN, IRAN			
0100-0115	.....f.	DZONKHA	7265	040 B	100	0200-0215	smtwtfs	URDU Pakistan	11640 028 N 100
0100-0115	.....s	PUNJABI India	7265	040 B	100	0200-0215	s.....fs	SIRAIKI	9465 028 N 100
0045-0100	smtwt..	BANGLA	9465	040 N	100	0200-0215	.mt....	HINDKO	9465 028 N 100
0045-0100	.....f.	PUNJABI India	9465	040 N	100	0215-0230	smtwtfs	SINDHI	9465 028 N 100
0045-0100	.....s	ASSAMEESE	9465	040 N	100	0230-0245	s.....fs	BALUCHI	9465 028 N 100
0815-0900	.....t.	HINDI	15460	040 N	100	0230-0245	....t..	BALUCHI S.Iran	9465 358 N 100
1145-1200	s.....s	TSANGLA	15445	040 N	100	0230-0245	.mt....	BRAHUI	9465 028 N 100
1200-1230	smtwtfs	TIBETAN	15445	040 N	100	0215-0230	smtw..s	PUNJABI Pakistan	11640 028 N 100
1230-1245	.....f.	MUNDARI	15445	040 N	100	0230-0245	smtwtfs	PUSHTO	11640 028 N 100
1230-1245	.....fs.	BHOJPURI	15445	040 N	100	0230-0245	smtwtfs	PUSHTO	15555 028 N 100
1230-1245	.....w...	MARWARI	15445	040 N	100	0245-0300	smtwtfs	DARI	11640 028 N 100
1230-1245	s.....s	BHILI	15445	040 N	100	0245-0300	s.....s	DARI	15555 028 N 100
1230-1245	.....t..	NAGPURIA	15445	040 N	100	0245-0315	.mtwt..	DARI	15555 028 N 100
1245-1300	s.....s	MARATHI	15445	040 N	100	0245-0330	.....f.	DARI	15555 028 N 100
1245-1300	..twt..	PUNJABI India	15445	040 N	100	0300-0315	s.....s	HAZARAGI	15555 028 N 100
1245-1315	.....fs	BANGLA Muslim	15445	040 N	100	0300-0330	smtwtfs	PERSIAN	11640 358 N 100
1300-1315	.m.wt..	ORIYA	15445	040 N	100	1400-1443	smtwtfs	URDU Pakistan	9805 040 B 100
1315-1330	smtwt.s	GUJARATI	15445	040 N	100	1443-1458	..wtfs	HINDKO	9805 040 B 100
1315-1345	.....f.	GUJARATI	15445	040 N	100	1443-1458	s.....s	URDU Pakistan	9805 040 B 100
1330-1345	sm.....	NEPALI	15445	040 N	100	1443-1458	.t....	PUNJABI Pakistan	9805 040 B 100
1330-1345	..twt..	CHATTISGARHI	15445	040 N	100	1458-1513	s.....s	BALTI	9805 040 B 100
1330-1345	.....s	MAGHI	15445	040 N	100	1530-1545	s.....s	UZBEK Southern	9485 040 B 100
1400-1415	smtwt..	URDU India	11600	040 B	100	1545-1600	smtwtfs	HAZARAGI	9485 040 B 100
1400-1430	.....s	HINDI	11600	040 B	100	1600-1630	s.....fs	DARI	9485 028 N 100
1400-1445	.....f.	HINDI	11600	040 B	100	1600-1645	.mtwt..	DARI	9485 028 N 100
1415-1500	smtwt..	HINDI	11600	040 B	100	1747-1803	s.....fs	AZERI	9485 358 N 100
1445-1500	.....f.	ENGLISH	11600	040 B	100	1803-1833	s.....s	PERSIAN	9485 358 N 100
1415-1445	smtwtfs	BANGLA	15445	040 N	100	1747-1803	s.....fs	AZERI	15430 352 N 100
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SOUTH INDIA, MALDIVES, SRI LANKA						1803-1833	s.....s	PERSIAN	15430 352 N 100
0115-0145	smtwt.s	TELOGU	7265	040 B	100	MIDDLE EAST			
0115-0200	.....f.	TELOGU	7265	040 B	100	0345-0445	smtwtfs	ARABIC	15535 340 B 100
0145-0200	.mtwt.s	KANNADA	7265	040 B	100	0530-0600	.....f.	SINHALA M.East	15555 340 B 100
0145-0200	s.....s	MALAYALAM	7265	040 B	100	1100-1300	smtwtf.	ARABIC	15535 340 B 100
0100-0200	smtwtfs	TAMIL	9465	052 N	100	1100-1245	.....s	ARABIC	15535 340 B 100
0815-0845	.....f.	ENGLISH S.Asia	15460	052 N	100	1245-1300	.....s	ENGLISH	15535 340 B 100
0815-0830	.....s	TELOGU	15460	052 N	100	1745-1900	.....f.	MALAYALAM	11600 340 B 100
0815-0830	s.....s	MALAYALAM	15460	052 N	100	EAST AFRICA, ETHIOPIA, SUDAN, INDIAN OCEAN			
0830-0845	s.....s	TAMIL	15460	052 N	100	0315-0400	.m.w..s	SWAHILI	11885 280 B 75
1330-1400	smtwtfs	SINHALA	9805	052 N	100	0315-0345	s.t.tf.	SWAHILI	11885 280 B 75
1330-1400	..twtfs	TAMIL	11885	052 N	100	0345-0400	.....f.	ENGLISH	11885 280 B 75
1330-1345	sm.....	BADAGA	11885	052 N	100	0400-0430	smtw.fs	PORTUGUESE	9455 232 N 75
1345-1400	sm.....	TAMIL	11885	052 N	100	0915-0930	smtwtfs	FRENCH	15430 208 N 75
1345-1415	s.twtfs	MALAYALAM	15445	052 N	100	1515-1530	smtwtfs	NUER	11885 280 B 75
1400-1415	.m.....	MALAYALAM	15445	052 N	100	1530-1545	smtwtfs	DINKA	11885 280 B 75
1445-1500	.....w...	MALAYALAM	15445	052 N	100	1545-1615	.....s	MAKONDE	11885 280 B 75
1445-1500	smt.tfs	TELOGU	15445	052 N	100	1600-1615	smtwtf.	MAKONDE	11885 280 B 75
1500-1530	s.....s	KANNADA	11600	040 B	100	1600-1630	s....fs	AMHARIC	11640 322 N 100
1500-1515	.m.w.f.	KANNADA	11600	040 B	100	1615-1630	.mtw...	GURAGENA	11640 322 N 100
1500-1515	.....t..	KONKANI	11600	040 B	100	1615-1700	smtw.fs	SWAHILI	11885 280 B 75
1500-1515	.....s	TULU	11600	040 B	100	1615-1645	....t..	SWAHILI	11885 280 B 75
1500-1600	.....s	ENGLISH S.Asia	11600	040 B	100	1630-1700	smtwtfs	AMHARIC	11640 322 N 100
1530-1600	smtw...	ENGLISH S.Asia	11600	040 B	100	1700-1730	s.....f.	OROMO	11640 340 B 100
1530-1545	.....tf.	ENGLISH S.Asia	11600	040 B	100	1730-1745	.mtwtfs	TIGRINYA	11640 340 B 100
1630-1700	s.....s	ENGLISH S.Asia	11605	052 N	100	1730-1800	s.....s	TIGRINYA	11640 340 B 100
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0100-0130						1700-1745	smtwtfs	SOMALI	9485 340 B 100
North America, English, 5930						1700-1730	smtwtfs	SOMALI	11885 280 B 75
Central America, English, 7230						1830-1845	..tw...	FRENCH	9485 280 B 75
South America, English, 9440						1830-1900	sm..tfs	FRENCH	9485 280 B 75
0130-0200						-----			
North America, Slovak, 5930						0700-0730			
Central America, Slovak, 7230						Australia, English, 15460, 17550, 21705			
South America, Slovak, 9440						0730-0800			
0200-0230						Australia, Slovak, 15460, 17550, 21705			
North America, French, 5930						0800-0830			
Central America, French, 7230						Western Europe, German, 5915, 6055, 7345			
South America, French, 9440						1300-1330			
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0700-0730						Eastern Europe, Asia, Russian, 9440, 11990, 13715			
Australia, English, 15460, 17550, 21705						1430-1500			
0730-0800						Western Europe, German, 6055, 7345, 9450			
Australia, Slovak, 15460, 17550, 21705						1600-1630			
0800-0830						Eastern Europe, Asia, Russian, 5915, 9535, 11990			

(FEBA version B00bs2 sked dated 10.01.01 at FEBA website via JKB)

**SLOVAKIA:** Time and frequency schedule Winter 2000/2001 of *Radio Slovakia International - RSI*. Send e-mail to englishsection@slovakradio.sk

0100-0130  
 North America, English, 5930  
 Central America, English, 7230  
 South America, English, 9440  
 0130-0200  
 North America, Slovak, 5930  
 Central America, Slovak, 7230  
 South America, Slovak, 9440  
 0200-0230  
 North America, French, 5930  
 Central America, French, 7230  
 South America, French, 9440

0700-0730  
 Australia, English, 15460, 17550, 21705  
 0730-0800  
 Australia, Slovak, 15460, 17550, 21705  
 0800-0830  
 Western Europe, German, 5915, 6055, 7345  
 1300-1330  
 Eastern Europe, Asia, Russian, 9440, 11990, 13715  
 1430-1500  
 Western Europe, German, 6055, 7345, 9450  
 1600-1630  
 Eastern Europe, Asia, Russian, 5915, 9535, 11990

1630-1700  
 Western Europe, Slovak, 5915, 6055, 7345  
 1700-1730  
 Western Europe, German, 5915, 6055, 7345  
 1730-1800  
 Western Europe, English, 5915, 6055, 7345  
 1800-1830  
 Western Europe, French, 5915, 6055, 7345  
 1830-1900

Eastern Europe, Asia, Russian, 5915, 9485, 11990  
 1900-1930  
 Western Europe, German, 5915, 6055, 7345  
 1930-2000  
 Western Europe, English, 5915, 6055, 7345  
 2000-2030  
 Western Europe, Slovak, 5915, 6055, 7345  
 2030-2100  
 Western Europe, French, 5915, 6055, 7345

(Schedule at RSI webpage via JKB, 17 Feb 01)

**SOUTH AFRICA:** New B00 schedules for **Channel Africa** effective 29 October 2000 to 25 March 2001:

Time UTC	kHz	Target Area	Language
MORNING PROGRAMMES			
0300 - 0325	9685 31	East & Central Africa	Swahili
0300 - 0330	9525 31	East & Central Africa	English
0330 - 0355	9525 31	Madagascar	French
0400 - 0430	5955 49	Southern Africa	English
0430 - 0455	5955 49	Northern Mozambique	Portuguese
0430 - 0455	3345 90	Southern Mozambique	Portuguese
0430 - 0455	9525 31	Central Africa	French
0500 - 0530	15215 19	West Africa	English
0530 - 0555	15215 19	Angola	Portuguese
0600 - 0630	15215 19	West Africa	English
0630 - 0655	15215 19	Angola & West Africa	Portuguese
WEEKEND PROGRAMMES			
Sat 1300 - 1455	21725 13	West Africa	English
Sun 1300 - 1455	17780 16	East & Central Africa	

Time UTC	kHz	Target Area	Language
English			
1300 - 1455	11720 25	Southern Africa	English
EVENING PROGRAMMES			
1500 - 1530	17780 16	East & Central Africa	Swahili
1500 - 1530	17770 16	East & Central Africa	English
1530 - 1555	17770 16	Madagascar	French
1600 - 1630	9525 31	Southern Africa	English
1600 - 1630	17860 16	East & Central Africa	Swahili
1630 - 1655	17860 16	East & Central Africa	French
1630 - 1655	9525 31	Northern Mozambique	Portuguese
1630 - 1655	3345 90	Southern Mozambique	Portuguese
1700 - 1730	17870 16	West Africa	English
1730 - 1755	17870 16	Angola	Portuguese
1800 - 1830	17870 16	West Africa	English
1830 - 1855	17870 16	West Africa	French

(Ch. Africa website via JKB, 17 Feb 2001)

**THAILAND:** **Radio Thailand** World Service Broadcast Schedule B00. For listeners in all parts of the world, on SW 9655 and 11905 kHz, transmitted from Bang Phun, Pathum Thani, Central Thailand, and relayed over transmitters in Ban Dung, Udon Thani, Northeastern Thailand, on frequencies shared with the Voice of America. Address: Radio Thailand World Service, External Services, 236 Vibhavadi Rangsit Highway, Huaykhwang, Bangkok 10400, Thailand. Website <http://www.prd.go.th>

0000-0030	English Europe-Africa	9680
0030-0100	English US-East	13695
0100-0200	Thai US-East	13695
0300-0330	English US-West	15460
0330-0430	Thai US-West	15460
0530-0600	English Europe	12015 321 degrs, (x15115)
1000-1100	Thai Asia-Pacific	7285
1100-1115	Vietnamese Asia-Pacific	7285
1115-1130	Khmer Asia-Pacific	7285
1130-1145	Lao Asia-Pacific	6040
1145-1200	Burmese Asia-Pacific	6040
1200-1215	Malaysian Asia-Pacific	11805
1215-1230	Indonesian Asia-Pacific	11805
1230-1300	English Asia-Pacific	9810
1300-1315	Japanese Asia-Pacific	7145
1315-1330	Mandarin Asia-Pacific	7145
1330-1400	Thai Asia-Pacific	7145
1400-1430	English Asia-Pacific	9530
1800-1900	Thai Asia-Pacific	11855
1900-2000	English Europe	9535
2000-2015	German Europe	9535
2015-2030	French Europe	9535
2030-2045	English Europe	9535
2045-2115	Thai Europe	9535

(Kraig Krist via DXLD via BC-DX #503, 2001 Jan 16)

**USA:** Schedule of **Adventist World Radio - AWR** valid Winter period B00. Address: 12501 Newbold Columbia Pike, Silver Spring, MD 20904-6600, USA.

Language	UTC	kHz	TX			
<u>NW Africa</u>						
Arabic	0700-0800	7260	Forli, Italy	Tagalog	1700-1730	11560 Agat, Guam
	0700-0900	15640	Juelich, Germany	English	0230-0300	7235 Rimavska Sobota, Slovakia
	2100-2300	5890	Juelich, Germany		1530-1600	13860 Rimavska Sobota, Slovakia
Dyula	2130-2200	9710	Juelich, Germany		1730-1800	7455 Agat, Guam
English	2030-2100	9615	Juelich, Germany		1730-1800	11560 Agat, Guam
French	0630-0700	7260	Forli, Italy	<u>Japan, Korea, NE Asia</u>		
	0900-0930	15640	Juelich, Germany	English	1330-1400	11755 Agat, Guam
	2000-2030	9615	Juelich, Germany		1330-1400	11980 Agat, Guam
	2300-2330	5890	Juelich, Germany		2130-2200	11960 Agat, Guam
Yoruba	0500-0530*	11970	Meyerton, RSA		2130-2200	11980 Agat, Guam
	2030-2100	12105	Meyerton, RSA	Japanese	1300-1330	11755 Agat, Guam
<u>N + SW + C Africa</u>						
Arabic	1000-1100	17610	Forli, Italy		1300-1330	11980 Agat, Guam
English	0500-0530	5960	Meyerton, RSA		2100-2130	11980 Agat, Guam
	1800-1830	5960	Meyerton, RSA	Korean	1200-1300	9730 Agat, Guam
	2030-2100	9745	Meyerton, RSA		2000-2100	9370 Agat, Guam
French	2000-2030	9745	Meyerton, RSA		2000-2100	9515 Agat, Guam
Hausa	0600-0630	15225	Meyerton, RSA	<u>Central China</u>		
	1930-2000	9745	Meyerton, RSA	English	1000-1100	11660 Agat, Guam
Fulfulde	1900-1930*	17695	Meyerton, RSA	Mandarin	0200-0400 Sat/Sun	17780 Agat, Guam
Ibo	0530-0600	15225	Meyerton, RSA		1100-1200	11660 Agat, Guam
	1930-2000	17695	Meyerton, RSA		1100-1500	15725 Agat, Guam
<u>NE + E + SE Africa</u>						
Afar	1500-1530	15115	Meyerton, RSA		2100-2200	11970 Agat, Guam
Amharic	0330-0400	9515	Meyerton, RSA		2300-2400	11875 Agat, Guam
	1600-1630	15170	Meyerton, RSA	Uighur	1030-1100 Sat/Sun	11980 Agat, Guam
Arabic	0500-0700	11610	Rimavska Sobota, Slovakia		2330-0000 Sat/Sun	11875 Agat, Guam
	1800-2000	9445	Rimavska Sobota, Slovakia	<u>SE Asia (NW)</u>		
English	0300-0330	9515	Meyerton, RSA	Bangla	1330-1400	15225 Agat, Guam
	0430-0500	12080	Meyerton, RSA	Burmese	1400-1500	11625 Agat, Guam
	0500-0530	6015	Meyerton, RSA	Chin	0000-0030	11770 Agat, Guam
	1730-1800	12130	Meyerton, RSA	English	1300-1330	15225 Agat, Guam
	1800-1830	6100	Meyerton, RSA	Karen	0030-0100	11770 Agat, Guam
Kiswahili	0400-0430	12080	Meyerton, RSA	<u>SE Asia (C)</u>		
	1700-1730	12130	Meyerton, RSA	English	1000-1030	15330 Agat, Guam
Malagasy	0230-0330	3215	Talata/Volondry,	Indonesian	1100-1130	15260 Agat, Guam
Madagascar					2200-2230	11775 Agat, Guam
	1530-1630	3215	Talata/Volondry,	Javanese	1130-1200	15260 Agat, Guam
Madagascar					2230-2300	11775 Agat, Guam
Oromifa	1530-1600	17560	Meyerton, RSA	Tagalog	1030-1100	15330 Agat, Guam
Somali	0330-0400	12080	Meyerton, RSA	Vietnamese	0000-0100 Sat/Sun	17835 Agat, Guam
	1630-1700	15620	Meyerton, RSA		1200-1300	11775 Agat, Guam
Tigrinya	1530-1600	15115	Meyerton, RSA		1200-1300	15225 Agat, Guam
* = Starts January 2001						
<u>N - Europe</u>						
Arabic	1330-1430	15170	Forli, Italy		1600-1700	17785 Agat, Guam
English	0930-1000	9660	Forli, Italy		2200-0000	17835 Agat, Guam
	1230-1300	17820	Forli, Italy	<u>SOUTHERN ASIA (N-India, Pakistan)</u>		
French	1300-1330	15170	Forli, Italy	English	0230-0300	7235 Rimavska Sobota, Slovakia
German	0900-0930	9660	Forli, Italy		1530-1600	13860 Rimavska Sobota, Slovakia
	1200-1230	11905	Forli, Italy		1730-1800	7455 Agat, Guam
	1400-1430	7230	Rimavska Sobota, Slovakia	Nepali	1500-1530	11625 Agat, Guam
	1700-1730	7235	Rimavska Sobota, Slovakia	Punjabi	1500-1530	15195 Agat, Guam
<u>S + SE Europe</u>						
Bulgarian	0400-0500	5840	Juelich, Germany	Urdu	0300-0330	9465 Rimavska Sobota, Slovakia
	1700-1800	5890	Juelich, Germany		1600-1630	9420 Rimavska Sobota, Slovakia
Italian	0800-0900	7230	Forli, Italy	<u>SOUTHERN ASIA (S-India)</u>		
	0800-0900 Sat/Sun	15195	Juelich, Germany	Bangla	1330-1400	15225 Agat, Guam
	1100-1200	11905	Forli, Italy	English	1300-1330	15225 Agat, Guam
Romanian	1800-1900	5840	Juelich, Germany		1430-1500	15225 Agat, Guam
<u>MIDDLE EAST (West)</u>						
Arabic	0500-0700	11610	Rimavska Sobota, Slovakia		1600-1700	11980 Agat, Guam
	1600-1800	11550	Agat, Guam	Hindi	1530-1600	11625 Agat, Guam
	1600-1800	9385	Agat, Guam		1530-1600	15195 Agat, Guam
	1800-2000	9445	Rimavska Sobota, Slovakia	Kannada	1530-1600	15165 Agat, Guam
<u>MIDDLE EAST (East)</u>						
Farsi	0330-0400	9465	Rimavska Sobota, Slovakia	Malayalam	1530-1600	11800 Agat, Guam
	1630-1700	9420	Rimavska Sobota, Slovakia	Sinhalese	1400-1430	15225 Agat, Guam
	1700-1730	7455	Agat, Guam	Tamil	1500-1530	11800 Agat, Guam
				Telugu	1500-1530	15165 Agat, Guam

(AWR webpage via JKB, 17 Feb 01)

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**Sources & Contributors:**

BC-DX News Bulletin by Wolfgang W. Bueschel - Germany.  
 CONEXION CONEXION Digital - Buenos Aires, Argentina.  
 DXA DX Antwerpen - Holland.  
 DXLD Glenn Hauser's DX LISTENING DIGEST - USA.  
 EDXP Electronic DX Press, Bob Padula - Australia.  
 GDXM Globe DX Messenger (Globe Radio DX Club).  
 JKB Dr. Juergen Kubiak, Berlin - Germany.  
 Radiorama News Bulletin of A.I.R. - Italy.  
 RI Radioincontro Informazioni DX - Italy.  
 RUS-DX Information Bulletin of Russian DX League - Russia.  
 WB Wolfgang W. Bueschel, Stuttgart - Germany.  
 WWDXC-HQ WWDXC Headquarter / Michael Bethge, Bad Homburg - 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	

<i>Languages:</i>	<i>Other common abbreviations:</i>
Ar Arabic	bc broadcast
Ch Chinese	lsb Lower Side Band Mode
Du Dutch	nd non-directional
E English	px program
F French	sce(d),
G 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	ddmmyy (daymonthyear)
R Russian	
Sp Spanish	
Turk Turkish	

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# DX LOGBOOK

## Logs around the clock

by Ashok Kumar Bose, B-26, Jal Vayu Vihar, Sector - III, Salt Lake, Calcutta - 700 098, India  
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### LONGWAVE & MEDIUMWAVE BANDS

Frequ.	UTC	SINPO	ITU	Radio Station	Language	Programme Details	Date	Rep.
189.0	1050	45444	RUS	Radio Amurskoe	Russian	News	0301	HO
234.0	1735	22342	ARM	Radio Yerevan	Armenian	Radio Theatre	0101	RP
243.0	2000	45444	RUS	Radio Rossii, Vladivostok	Russian	Program	1301	HO
279.0	2000	45444	RUS	Radio Rossii, Yuzhno-Sakahlinsk	Russian	Program	1301	HO
531.0	0615	43433	ALG	RT Algiers, Ain El Beida	Arabic	Political Talks by Woman	1501	HJK
549.0	1200	44444	RUS	Mayak Radio, Vladivostok	Russian	Program	1301	HO
576.0	2000	45444	RUS	Mayak Radio, Khabarovsk	Russian	News	1301	HO
585.0	1200	44444	RUS	Voice of Russia, Belogorsk	Chinese	ID and Commentary	1301	HO
594.0	0621	55444	D	HR1 Plus Aktuell	German	ID & Pop Music	1501	HJK
621.0	0830	34333	RUS	Radio Khabarovskoe	Russian	Local Music	1401	HO
630.0	1645	34333	PHL	DZMM, Quezon City	Filipino	Talks	2001	HO
630.0	1210	34333	RUS	Voice of Russia, Komsomolsk	Japanese	Siberian & Far East Journal	1301	HO
648.0	1245	34333	RUS	Voice of Russia, Ussuriysk	Korean	Program	1301	HO
720.0	1210	44444	RUS	Voice of Russia, Yuzhno-Sakahlinsk	Japanese	Siberian & Far East Journal	1301	HO
738.0	2100	33333	RUS	Radio Vladivostok	Russian	ID and Local Program	1301	HO
747.0	1530	32442	SYR	Radio Damascus	Arabic	News	0201	RP
810.0	2100	44444	RUS	Radio Primorskoe	Russian	Program	1301	HO
1152.0	1630	23332	RUS	Radio Khabarovskoe, Komsomolsk	Russian	Program	1401	HO
1287.0	1955	33443	ISR	Galei Zahal	Hebrew	Techno Music	0201	RP
1296.0	1658	43333	E	Radio Poular, Valencia	Spanish	ID, Adv, IS & Jingles	1801	HJK
1323.0	1654	54444	D	Radio Santec, Wachenbrunn	German	Programs	1801	HJK
1350.0	1620	42432	GEO	Radio Rossii	Russian	Talks & Music	0201	RP
1377.0	1930	34343	YUG	Radio Kosovo	Turkish	ID and News	2912	RP
1377.0	2000	44443	RUS	Radio Yunist, Vladivostok	Russian	Pop Music	1301	HO
1395.0	1646	44444	HOL	Business News	Dutch	ID, Stockmarket	1801	HJK
1413.0	1925	24442	OMA	BBC	English	Sports Programs	0201	RP
1440.0	0530	55444	LUX	Missionwerk Freundesdienst	German	S/on Px Licht + Leben	2801	HJK
1458.0	1640	42432	G	Sunshine Radio, London	English	ID, Folklore Music from India	1801	HJK
1503.0	1900	42432	EGY	Radio Al-Irish	Arabic	ID & News	0201	RP
1503.0	2045	33332	RUS	FEBC, Vladivostok	Russian	Christian Religious Program	1301	HO
1510.0	2351	21221	USA	WRNB, Boston	English	Talks in male voice	0802	DC
1512.0	1754	43433	BEL	Radio Vlaanderen Intl.,	German	Program on Sportsmen	1501	HJK
1566.0	0557	24232	G	County Sound Radio	English	Pop Music	1501	HJK
1584.0	2100	23332	RUS	Radio Svobodnaya Nakhodka	Russian	Music	1301	HO
1602.0	1745	44444	I	RAI Bozen	German	Tiorlean Music	1501	HJK
1650.0	0010	33221	USA	WHKT, Portsmouth	English	Talks in male voice	0902	DC
1660.0	0645	24222	USA	Radio Unica, Elisabeth	Spanish	ID and program	0102	DC
1680.0	0610	23333	USA	WTIR, Winter Garden	English	Sports Nx on New York Ranger	0102	DC
1700.0	0658	33221	USA	WAFN, Miami Springs	English	Program and ID	0102	DC

**TROPICAL BANDS**

Frequ.	UTC	SINPO	ITU	Radio Station	Language	Programme Details	Date	Rep.
2325.0	1220	15231	AUS	ABC, Tennant Creek	English	Pop Music Program	2801	GI
2340.0	1235	34342	CHN	Fujian PBS,Fuzhou	Chinese	Talks	2801	GI
3344.8	2048	35333	INS	RRI,Ternate	Indonesian	Indonesian Pop Songs	1501	IN
3559.8	1621	32332	KRE	Radio Pyongyang	English	Philatelic Program	2801	WS
3976.1	1505	32332	INS	RRI,Pontinak	Indonesian	News & ID	0901	JY
3985.0	1500	32432	KOR	Echo of Hope	Korean	ID in English	0201	RP
3985.0	1445	22432	INS	RRI, Surabaya	Indonesian	ID & News	0201	RP
4010.0	2310	34333	RUS	Voice of Russia, Vladivostok	Korean	Alla Pugacheva's Million Roses	1301	HO
4035.0	1700	25442	CHN	Xizang PBS, Lhasa	Chinese	ID & News	1301	HO
4460.0	2258	33333	CHN	China National Radio I, Beijing	Chinese	Talks by Man & Woman	3012	EA
4485.0	1655	25332	RUS	Radio Rossii, Ufa	Russian	Program	1301	HO
4635.0	2250	33333	TJK	Tajik Radio, Yangi-Yul	Vernacular	Talks	3012	EA
4725.0	1440	25332	BRM	Radio Myanmar,Yangon	English	Results of Toto Iotho	0101	RP
4760.0	0035	34433	IND	All India Radio, Port Blair	English	ID and News	0102	HJK
4775.0	1300	34343	IND	All India Radio, Imphal	Hindi	Regional Musics	1401	GI
4795.0	1645	35333	RUS	Radio Rossii, Ulan Ude	Russian	News	2001	HO
4800.0	1750	34433	LSO	Radio Lesotho, Lancers Gap	Vernaculars	Talks by a woman	2601	MV
4820.0	0230	34443	RUS	Khanty Mansiisk	Russian	Interview	0401	RP
4824.4	2346	32223	PRU	La Voz de Selva	Spanish	Talks and Programmes	0901	DC
4832.0	0001	22332	HND	Radio Litoral, La Ceiba	Spanish	Talks and Music	3001	MV
4840.0	0055	35444	IND	All India Radio, Mumbai	Marathi	Folk Songs in Woman voice	0101	HJK
4845.0	2102	34443	MTN	Radio Nouakchott	Arabic	Talks by Man	2212	EA
4850.0	2106	44444	UZB	Radio Tashkent	Vernacular	Folk Music & Talks	0412	EA
4860.0	1715	33333	IND	All India Radio,Delhi	Urdu	Talk & Music	2401	PP
4875.0	1700	25332	GEO	Georgian Radio, Dusheti	Abkhazian	News & Pop Music	0401	RP
4875.0	0111	24333	B	Radio Difusora de Roraima	Portugese	Football Commentary	0102	HJK
4876.8	1054	24332	BOL	Radio La Cruz del Sur, La Paz	Spanish	Talk by man and NEWS	2601	IN
4885.0	0117	34433	B	Radio Clube do Para, Belem	Portugese	Football game Brasil & Ecuador	0102	HJK
4890.2	0018	24443	PRU	Radio Chota	Spanish	Peruvian Music	0102	MV
4895.0	0122	34433	IND	All India Radio, Kurseong	Hindi	Folk Song & Orchestra	0102	HJK
4900.0	2111	33333	CHN	Haixa PBS	Vernacular	Talks by Man & Woman	0412	EA
4910.0	0126	34333	IND	All India Radio, Jaipur	Hindi	Report over Pakistan	0102	HJK
4915.0	2118	23332	GHA	Ghana Broadc. Corp., Accra	English	Talk by Man & ID	0412	EA
4930.0	2345	22332	DOM	Radio Barahona	Spanish	LA Songs	2901	MV
4930.0	1700	23332	TKM	Turkmen Radio, Ashkabad	Turkmen	Music	1301	HO
4939.4	2305	13332	VEN	Radio Amazonas, Puerto Ayacucho	Spanish	ID and LA Music	0402	DC
4940.0	0900	34333	RUS	Radio Mix Master	Russian	Hymn Adv. & Weather Report	0701	HO
4950.0	1512	14332	IND	Radio Kashmir, Srinagar	English	Programmes	0801	DC
4950.0	2122	34443	STP	VOA, Sao Tome relay	French	Talk Program by Man	0412	EA
4955.0	2325	14442	PRU	Radio Cultural Amanta, Huanta	Spanish	Many Announcements	0602	DC
4960.0	0700	24442	VNT	Radio Vanuatu,Port Vila	English	Yellow Bird Program	2601	DC
4976.0	1845	22222	UGA	Radio Uganda, Kampala	English	Prorammes	2801	PP
4980.0	0004	34333	VEN	Ecos del Torbes, San Cristobal	Spanish	Political Talks on Ecuador	2301	HJK
5003.5	2126	33333	GNE	Radio Nacional, Bata	Spanish	Talks by Man	0412	EA
5008.8	2328	34443	DOM	Radio Cristal Intl., Santo Domingo	Spanish	News and Music	0902	DC
5009.6	1715	35433	MDG	Radio Madagasikara, Antananarivo	Vernaculars	Flute Folklore Songs & Talks	1501	HJK
5015.0	2230	44344	TKM	Turkmen Radio Ashkabad	Vernacular	Talk Program by Man	2212	EA
5020.0	0545	22222	NGR	Voix du Sahel Naimey, Niger	French	News	2701	PP
5025.0	0550	22222	BEN	ORTB, Parakou	Vernaculars	Talks	2901	PP
5027.2	0148	24322	PAK	Radio Pakistan, Islamabad	Urdu	Talks and Folk Songs	0102	HJK

5035.0	2155	22222	TKM	Turkmen Radio, Ashkabad	Turkmen	Music	2301	PP
5040.0	0022	35444	UZB	Radio Tashkent	Vernacular	ID,Pop Music & Magazine Px.	2301	HJK
5047.0	2115	22222	TGO	Radio Diffusion Togolaise,Lome	French	African Music	2801	PP
5085.0	0511	24333	USA	WWFV,MaCaysville	English	ID with Religious Programs	2101	HJK
5100.0	1403	32432	PAK	Voice of Freedom	English	News	0101	RP

**SHORTWAVE**

Frequ.	UTC	SINPO	ITU	Radio Station	Language	Programme Details	Date	Rep.
5290.0	0035	35433	RUS	R.Rossii, Krasnayarsk	Russian	Talks by man & Pop Singer	2301	HJK
5439.9	0045	35444	CHN	Xinjiang PBS, Urumqui	Kazakh	Folklore singers.Talk by woman	2301	HJK
5677.9	0009	24343	PRU	Radio Ilucan, Cutervo	Spanish	Flute Music and Talks	0102	MV
5755.0	0051	24333	USA	WHRI,Noblesville	English	Religious Programs	2301	HJK
5765.0	1915	44444	GUM	AFN	English	ID & YL with many songs	1801	ZL
5799.9	0101	35433	TJK	Tajik Radio, Yang Yul	Tadjik	News by Male announcer	2301	HJK
5810.0	0616	44444	USA	WYFR	German	Religious Programme	2101	HJK
5825.0	0108	45444	USA	WEWN,Birmingham	English	Talks on Churches in the USA	2301	HJK
5865.0	1600	35433	IRQ	Voice of Iraq Kurdistan	Arabic	Programs	0401	RP
5895.0	0112	45444	GRC	Voice of Greece	Greek	Greek Folklore Music	2301	HJK
5915.0	1615	25332	SVK	Radio Slovakia Intl.	Russain	Sign off with IS	2001	HO
5924.1	2130	35444	RUS	Radio Rossii	Russian	ID & Political Magazine	2201	HJK
5930.0	0124	55444	SVK	Radio Slovakia	English	News.New films on travelling	2301	HJK
5945.0	2136	45444	AUT	ROI,Wien	German	Program on Amazon Indians	2201	HJK
5984.9	1530	22322	ALB	Radio Tirana	Albanian	Program	2101	WB
5990.0	1807	54444	I	RAI,Rome	German	ID, Uranium pollution in Kosovo	1801	HJK
5995.0	1916	54444	G	Radio Taipei via Skelton in UK	German	ID & News & Programs	1901	HJK
6025.0	2200	54444	HNG	Radio Budapest	English	ID,News & Hungary Today	2201	HJK
6045.0	2200	11111	CHN	Nei Menggu People BC, Hohhot	Chinese	Music	2301	PP
6070.9	1456	32332	INS	RRI,Jayapura	Indonesian	Local Pops,Love Ambon	1301	JY
6120.0	0030	43443	D	Radio Vilinius via DTK,Julich	English	IS,ID,News 7 Magazine	2801	HJK
6125.0	1820	34333	URU	SODRE,Montevideo	Spanish	Commentary on local Rock	2601	ALS
6135.0	0631	45444	ROU	Radio Romania Intl.,	German	Earthquake in El Salvador	1501	HJK
6145.0	1653	44444	RUS	Radio Santec via Voice of Russia	German	Liebe Kinder	1501	HJK
6160.0	0015	32332	CAN	CKZN, St. John's, New Foundland	English	ID and Weather Report	1002	DC
6165.0	0547	34333	TCH	RN Tchadienne	French	ID & Report from Zimbabwe	2001	HJK
6180.0	2223	34333	B	RN Amazonia,Brasilia	Portugese	ID & Folklore Music	2201	HJK
6185.0	0306	23322	MEX	Radio Educacion, Mexico City	Spanish	Classic Orchestra Music	2001	HJK
6190.0	2214	43343	PHL	Radio Vertias Asia	Vernaculars	Religious Px with ID in English	2201	HJK
6205.0	1723	45444	ARM	Radio Vatican Relay	Russian	ID & Info on Catholic Church	1801	HJK
6210.0	0321	24333	ETH	Radio Fana, Addis Ababa	Oromo	ID and News	2101	HJK
6230.1	1727	44444	EGY	Radio Cairo	Turkish	Arabic Folklore,ID	2501	HJK
6249.3	0543	23433	GNE	Radio Nacional,Malabo	Spanish	African Folklore Singer	2801	HJK
6265.0	0317	35444	ZMB	ZNBC,Lusaka	Vernaculars	Talks .African Folklore Singer	2101	HJK
6280.0	1600	33333	TWN	WYFR,Taipei	English	Organ Music	2101	WB
6315.0	1711	33433	ETH	VO Tigray Revolution,Mekele	Tigrigana	African Folklore Singer	1901	HJK
6398.9	2344	25433	KRE	PBS,Kanggye	Korean	Instrumental Folklore Music	2601	HJK
6495.2	1258	23332	VTN	Radio Cao Bang	Vernacular	Song by woman	2801	GI
6570.0	1330	44232	BRM	Defence Forces Bc, Taunggyi	Burmese	Military Music	0502	GI
6576.0	1730	33333	KRE	Radio Pyongyang	Korean	Speeches and Anthems	2401	PP
6790.0	2240	25433	CHN	CNR Taiwan Service 2	Chinese	ID, Instrumental Folklore Music	2201	HJK
6900.1	1414	35433	TUR	Turkish State Met Service,Ankara	Turkisk	Non stop Turkish Pop Music	1501	HJK
6937.0	1420	23322	CHN	Yunnan PBS, Kunming	Chinese	Talks by woman	1501	HJK
7120.0	0931	35444	I	East Rock Radio via IRRS, Milano	English	ID, East German Station Rock	2101	HJK
7175.0	0815	35433	RUS	R. Stn. Tikhiiy Okean, Komsomorsk	Russian	Program	1401	HO
7200.0	0622	54444	BUL	Radio Bulgaria	German	ID & Program	2601	HJK

7200.0	0830	22332	RUS	Radio Rossii, Yakutsk	Russian	Program	1401	HO
7245.0	1700	32332	AGL	Radio Nacional, Luanda	Portugese	Talks and Program	2701	WS
7255.0	2144	34433	NIG	Radio Nigeria	Fulfulde	ID, Political Talks	1501	HJK
7255.0	2254	33333	NIG	Voice of Nigeria, Lagos	Hausa	Programs	2801	PP
7260.0	2249	34444	CLN	VOA Relay Iranawila	Khmer	ID, Report from Indonesia	2201	HJK
7260.0	0920	55544	RUS	Radio Nederland	English	World News	0701	HO
7268.9	1540	33333	ALB	Radio Tirana	Albanian	Music Requests	2101	WB
7295.0	0305	44444	IRN	IRIB,Teheran	Armenian	ID, Hymn & World News	2101	HJK
7320.0	2100	34333	RUS	Radio Rossii, Magadan	Russian	Revival Hymn	1101	HO
7325.0	0257	45333	AUT	Radio Austria Intl., Vienna	English	Christmas in Europe.Wild Hunt	2412	RL
7345.0	0125	45433	CZE	Radio Prague, Czech Republic	English	Week in the Press	1301	RL
7345.0	2000	22332	RUS	Radio Rossii, Yakutsk	Russian	News	1101	HO
7380.0	0300	35433	RUS	Radio Rossii	Russain	IS,ID.News & Weather Report	2101	HJK
7400.0	2010	23332	RUS	Radio Mariya, Samara	Russian	Religious Program and Music	1101	HO
7415.0	0008	45433	USA	WBCQ. Maine	English	Scream of the Butterfly	0601	RL
7420.0	0119	45444	UKR	Radio Ukraine Intl.,	English	ID,News & Info on Ukraine	2301	HJK
7435.0	0945	35433	USA	WWCR, Nashville	English	Dxing with Cumbre, ID	2101	HJK
7440.0	1000	35333	RUS	Radio Rossii, Irkutsk	Russian	News	2101	HO
7455.0	0220	55444	GRC	Voice of Greece	Greek	Pop Music	2001	HJK
7475.0	1930	44444	GRC	Voice of Greece	Italian	European News	0201	DGA
7480.0	0515	32443	CTR	RFPI, Costa Rica	English	Mailbag	1101	RL
7490.0	0605	35444	USA	WJCR,Upton	English	ID with Gospel Music	2601	HJK
7510.0	0249	25333	USA	KTBN, Salt Lake	English	Bible Reading,Religious Px.	0102	HJK
7545.0	0240	55444	ISR	KOL Israel, Jerusalem	Hebrew	Discussion talks on Parliament	0102	HJK
7560.0	0254	45444	ARM	Radio Free Asia, Yerevan	Tibetian	Political talks by women	0102	HJK
7935.0	2025	35444	CHN	China National Radio I, Beijing	Chinese	Talks and Pop Music	0102	HJK
9155.0	1011	22332	AZE	Voice of Azerbaijan, Gyanca	Arabic	Songs	2801	ZL
9335.0	1540	22232	KRE	Radio Pyongyang	English	Music	1201	HVG
9369.0	0932	44444	USA	WTJC	English	Gospel Music	1401	LBF
9400.0	0313	54333	BUL	Radio Bulgaria, Sofia	English	Folk Studio. Festive rituals	1501	RL
9490.0	1525	44433	RUS	Voice of Russia, Samara	Russian	News & Adv.	2612	RP
9495.0	0345	55533	S	Radio Sweden, Stockholm	English	Money Matters	0401	RL
9495.0	1459	33333	MCO	TWR, Monte Carlo	Russian	IS,ID and Talks	2701	HY
9510.0	0758	44444	FIN	Radio Finland, Helsinki	English	ID and Sign Off	1801	ZL
9525.0	0258	33433	AFS	Channel Africa	English	ID at 0300 with Px. to Africa	1501	RL
9550.0	1815	22222	BGD	Bangladesh Betar, Dhaka	English	News	2101	PP
9615.0	0810	44444	ALS	KNLS, Anchor Point	English	Bible Reflections & Gospel Mx.	1501	LBF
9625.0	1123	33433	BOL	Radio Fides, La Paz	Spanish	Long interview	2901	ALS
9650.0	1830	44433	URU	Emisora Ciudad de Montevideo	Spanish	Adv. & ID -En su receptor CX42	2601	ALS
9655.0	2329	45433	TUR	Voice of Turkey	English	Letter Box	1001	RL
9660.0	1600	34433	KRE	Radio Pyongyang	English	News	2012	RP
9705.0	0718	34322	NGR	La Voix du Sahel, Naimey	Spanish	Saharan Music	2101	WB
9710.0	0945	44444	LTU	Radio Vilinius	English	Mailbag Program	2501	PP
9730.0	1820	43433	RUS	Voice of Vietnam	English	Letterbox and Children's Px.	3101	HJK
9740.0	1525	33333	SNG	BBC, Singapore	English	Sports Message	1612	HVG
9765.0	0700	45444	EQA	HCJB, Pifo	German	Bible Programs	0102	HJK
9779.6	0535	22332	YEM	Yemen Radio & TV, Saana	Arabic	Music & ID	0901	WB
9780.0	0900	34433	EQA	HCJB,Quito	English	ID and Sign Off	1801	ZL
9792.0	1810	21221	CHN	Radio Beijing	Russian	Programs	2101	WB
9855.0	1855	22432	PHL	Radio Liberty, Tinang	Russian	Talks	0701	HO
9900.0	1710	34343	BUL	Radio Bulgaria, Sofia	Bulgarian	News and Music	0801	HO
9905.0	0456	55433	GUF	SRI, Berne via French Guiana	English	Swiss Scene Watch Makers	1401	RL
9935.0	1620	43333	GRC	ERT,Thessalonki	Greek	Football Coverage	2101	WB
9955.0	1755	44443	TWN	Radio Taipei Intl,	Russian	News	0801	HO
10940.5	0910	44444	I	AFN, Sigonella	English	Sports Program	1401	LBF

11000.0	1200	35433	CHN	CNR1	Chinese	News	0101	RP
11569.8	1730	44333	PAK	Radio Pakistan, Islamabad	Urdu	Modern Music	2101	WB
11639.9	1735	22322	PAK	Radio Pakistan, Islamabad	Persian	Pak Singer	2101	WB
11690.0	1613	44443	JOR	Radio Jordan, Amman	English	Listeners Choice of Pop Music	2801	WS
11695.0	1555	33443	UAE	VOA, Al Dhabbayya	English	Test to China & Tibet	2101	WB
11709.9	1740	21221	KRE	Radio Pyongyang	Korean	Symphony Music	2101	WB
11734.0	1745	33333	TZA	Radio Zanzibar	Swahili	Music	2101	WB
11745.0	0435	35333	CHL	La Voz Cristiana, Santiago	Spanish	Religious Px. Family Bible	0102	HJK
11760.5	1527	42223	INS	Voice of Indonesia	Indonesian	Music & ID	2512	HVG
11784.9	1947	45444	IRQ	Radio Iraq Intl.,	Arabic	Arabic folklore by man	1501	HJK
11815.0	0455	25433	B	Radio Brasil Central	Portugese	Brasilian Folklore	2101	HJK
11818.0	1750	53443	ARS	BSKSA, Riyadh	Arabic	Holy Koran Chants	2101	WB
11840.0	1755	43333	CLN	SLBC, Ekala	Hindi	Soft Music	2101	WB
11870.0	1030	23222	TWN	WSHB, Taipei	Russian	Religious Programmes	1701	WB
11880.0	1802	33333	CLN	NHK Radio, Tokyo via Ekala	Japanese	ID and News	2101	WB
11885.0	1352	44343	SEY	FEBA, Seychelles	Vernaculars	Talks by a woman	2801	GI
11890.0	0750	22222	CHL	Radio Christiana	Spanish	Music & ID	0901	HVG
11915.0	0625	23332	GAB	NHK, Tokyo via Moyabi Relay	German	Program	2301	ZL
11915.0	0910	22432	RUS	Radio Tatarstan	Tatar	News and Songs	2801	ZL
11925.0	0745	34333	B	Radio Bandeirantes	Portugese	Male Tals and Pop Songs	2801	IN
11965.0	2200	25322	EQA	HCJB, Pifo	German	News about Ecuador	0102	HJK
13570.0	1728	33322	USA	WTNB	English	Gospel Music	2101	WB
13640.0	0700	33333	OMA	Radio Oman, Muscat	Arabic	ID & News	2101	WB
13660.0	2243	45433	BEL	RVI, Brussels	English	Brussels 1043 Px.	1401	RL
13675.0	1625	43443	UAE	Radio Dubai, UAE	English	News	2801	WS
15095.0	1335	22332	PHL	FEBC, Manila	Burmese	Talks & Programmes	0701	WB
15140.0	1635	43443	IND	All India Radio	Russian	News	2801	WS
15155.0	1310	35333	UAE	Voice of Al Dhabbaya	English	Tests of VOA News	1901	WB
15160.0	1625	33223	ALG	Radio Algiers	English	Music & ID	1412	HVG
15175.0	0930	44444	NZL	Radio New Zealand, Wellington	English	Songs, News and Sports	2001	PP
15175.2	0650	35333	PAK	Radio Pakistan, Islamabad	Urdu	Programs	2101	WB
15195.0	0830	33332	D	AWR, Europe via Julich	Italian	DX Program	0701	DGA
15205.0	1547	34443	GRC	VOA, Kavala	English	Talk about Stars	1201	HVG
15260.0	1130	33333	GUM	KSDA, Agat	Javanese	Religious Propaganda	2001	PP
15355.0	1705	44444	GAB	NHK Radio via Gabon	English	News	2101	WB
15385.0	1700	23322	BEL	RVI, Brussels via Wavre	Dutch	ID, News to Congo	2101	WB
15415.0	0804	33233	AUS	Radio Australia	English	International News	0901	HVG
15485.0	1700	44444	D	United Methodist Church via DTK	English	News about Congo	2801	WS
15518.9	1537	44443	BAN	Radio Bangladesh Betar, Dhaka	English	News and Interviews	1401	LBF
15575.0	0256	44433	KOR	Radio Korea Intl.,	English	Multiwave Feedback	1501	RL
15655.0	1220	35333	TJK	Voice of Tibet, Dushanbe	Tibetian	News Program	0701	WB
15759.9	1710	44333	ISR	KOL, Israel	Hebrew	Rashet Bet	2101	WB
15785.0	1725	25222	ISR	Galei Zahal	Hebrew	Army station Phone-in	2101	WB
15880.0	1153	23332	CHN	Radio Beijing	Chinese	Talks and Folk Songs.	2301	ZL
17495.0	1652	33443	USA	WBCQ, Maine	English	Test Transmission with E-mail	2001	RL
17495.0	0817	34232	RUS	Radio Moscow	English	Talks	2401	ZL
17520.0	0805	34333	PAK	Radio Pakistan, Islamabad	English	ID and Program	2401	ZL
17534.9	1715	45444	ISR	KOL Israel, Jerusalem	Hebrew	Phone in interview	2101	WB
17545.0	1708	45543	ISR	KOL Israel, Jerusalem	English	Ordered Security Fence	2512	RL
17580.0	1250	45533	USA	VOA, Greenville	English	Communications World	0601	RL
17630.0	1155	44443	GAB	Africa No. 1, Moyabi	Spanish	Afro Pop & Samba	2401	ZL
17650.0	0930	44444	ASC	NHK Radio, Tokyo	Japanese	Program	2101	PP
17665.0	1330	43433	EGY	Radio Cairo	Thai	Talks & Programmes	0701	WB

17675.0	0330	35543	NZL	Radio New Zealand, Wellington	English	Tropical Cyclone SEason	1101	RL
17680.0	1515	44334	JOR	Radio Jordan, Amman	English	Music & ID	1812	HVG
17765.0	0733	23332	PHL	VOA, Tinang	English	Religious Program	0901	HVG
17775.0	1525	44443	USA	KVOH, Rancho Simi	Spanish	Religious Sermons	1401	LBF
17835.1	0640	25222	PAK	Radio Pakistan, Islamabad	Urdu	Programs	2101	WB
17870.0	1701	45543	AFS	Channel Africa	English	Network African News	2512	RL
18960.0	1235	45533	S	Radio Sweden, Stockholm	English	Talk on Herring Fish	0701	WB
21455.0	1152	25433	EQA	HCJB, Pifo	English	ID Song Morning in the mount-	1501	HJK
21460.0	0635	35333	PAK	Radio Pakistan, Islamabad	Urdu	Musical Programs	2101	WB
21465.0	0810	35433	PAK	Radio Pakistan, Islamabad	Urdu	ID & Readings from Koran	0102	HJK
21500.0	1524	23332	CHL	Radio Christiana	Spanish	Music	1712	HVG
21520.0	0930	44444	I	RAI, Due	Italian	Phone-in Program	2501	PP
21540.0	0650	35333	UAE	Voice of Abu Dhabi	English	Test of VOA News	1601	WB
21550.0	0816	25322	GAB	NHK, Tokyo via Moyabi	Japanese	Magazine Program	0102	HJK
21560.0	0800	44443	AFS	South African ARL, Meyrton	English	Program for Radio Amateurs	1401	LBF
21590.0	0752	44444	D	Voice of Hope, Julich	English	Bible Reflections	1401	LBF
21820.0	1211	25433	AUS	Radio Australia	English	Political Talks	1501	HJK
25740.0	1225	35443	D	Deutsche Welle, Wertachtal	German	Item on President of Ghana		
25820.0	1227	25222	F	Radio France Intl., Issoudam	French	Commentary	0701	WB
25870.0	1352	15321	USA	WFLA, Tampa, Florida	Spanish	Instrumental Music & ID	1501	HJK

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### **Thanks a lot for your contributions:**

ALS : Arnaldo L. Slaen, Argentina, SONY ICF 2010, Realistic DX-160 & GE Superradio with 15 metres long wire  
DC : Daniele Canonica, Switzerland. JRC 535 with 30 metres long wire +MLB + ALA 1530  
DG : Dario Gabrielli, Padova, Italy  
EA : Eberhard Ahl, Mainz, Germany. GRUNDIG Satellit 650 & Kenwood R5000 with 25 metres long wire.  
GI : Gaku Iwata, Chiba, Japan. FRG 7700 / NRD 535D, AD30, 20 metres long wire  
HJK : Hans-Joachim Koch, Niddatal, Germany. AOR AR7030 with 20 metres long wire + window antenna  
HO : Hironao Oguma, Tokyo, Japan. SONY ICF-SW1000T  
HVG : H.V. Gelder, Arnhem, Netherlands. NRD 525 / ICF 2010 with AN1 Active antenna  
HY : Hiromitsu Yanagisawa, Saitama, Japan. Drake R8 with 10 metres long wire  
IN : Iwao Nagatani, Kobe, Japan. NRD 525, AD-370 with 20 metres long wire  
JY : Juichi Yamada, Japan. NRD-525, AR 7030 with SONY AN-1  
LBF : Luca Botto Fiora, Genoa, Italy  
MV : Mark Veldhuis, Borne, Netherlands. IC – R75 with 20 metres long wire with MLB.  
PP : Patrice Privat, Noailles, France. Panasonic RFB45 with Telescopic.  
RL : Richard Lemke, Alberta, Canada . NRD-535HF with random long wires  
RP : Rumen Pankov, Sofia, Bulgaria SONY ICF 7600 SWG with 10 metres long wire antenna.  
WB : Wolfgang Bueschel, Stuttgart, Germany. AOR AR7030, Sony ICF 2010, Kenwood R-1000, Drake SPR-4 with 12 metres long wire  
WS : Walt Salmaniw, Queen Charlotte Is., BC, Canada AOR 7030 Plus with 20 metres long wire  
ZL : Zacharias Liangas, Thessalonki, Greece with Lowe HF-150, SONY ICF 7600D, Yupiteru MVT 7100

Dear Friends,

Welcome to the second issue of this year.

This time we have many exciting logs from new contributors being reported this month. With so many loggings there could be some instances where the same log has been reported by several members. In

those cases I have to resort to the law of nature i.e. whoever occupies first gets it registered in his name. I hope I am fair because I keep on compiling the Logbook as and when the loggings arrive in my E-Mail box.

I would welcome suggestions for improvement if any.

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

*Ashok Kumar Bose*

☆☆

*(continued from DX MAGAZINE 1)*

## QSL CORNER

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

Country	Station	QSL	Time	ORG	Remarks	OM
INS	RRI Semarang	C	43 d	801 Khz	v/s, H.Sutakno, SE. Kepala Stasiun.	JY
INS	RRI Surabaya	C, L	77 d	585 Khz	v/s, Pardjingat, Kepala Seksi Teknik.	JY
INS	RRI Tanjungkarang	C, L	12 d	1035 Khz	v/s, Drs. Soewadji, Kepala Seksi Siaran.	JY
Iran	VOIRI	C	74 d	6.020		MH
Israel	Galei-Zahal	C	99 d	15.785		MH
Israel	KOL Israel	C	60 d	15.650		MH
Israel	KOL Israel	C	44 d	11.605		MH
Israel	Kol Israel	C	23 d	17.535		MH
Israel	Kol Isreal	C	135 d	17.535		MH
Japan	Radio Japan	C	22 d	17.810	v/s, Y.Fushimi.	MH
Japan	RCI, relay	C	15 d	17.835	v/s, Bill Westenhaver.	MH
Jordan	Radio Jordan	C	61 d	11.935	v/s Jawad Zada, Director	MH
Libya	Radio Jamahiriya	C	75 d	15.435		MH
Madagascar	R.Netherlands Relay	C	54 d	11.655		MH
Mali	CRI, relay	C	27 d	11.975		MH
Moldova	Voice of Russia Relay	C	66 d	7.105		MH
Moldova	Voice of Russia, Relay	C	84 d	9.665		MH
Mongolia	R. Free Asia, Relay	L	299 d	11.580		MH
Morocco	Radio Mediun	C	170 d	9.575		MH
Morocco	VOA, relay	C	90 d	17.895		MH
Morocco	VOA, relay	C	61 d	17.895		MH
Morocco	VOA, relay	C	47 d	15.255		MH
MRA	RFA, relay	L	79 d	11.945		MH
New Zealand	R. New Zealand Int.	C	20 d	11.725		MH
New Zealand	RNZI	C	38 d	17.675		MH
Norway	R. Denmark Relay	C	11 d	7.540		MH
Norway	Radio Denmark, relay	C	19 d	17.505	v/s, ERH MOLE.	MH
Palau	Radio Free Asia Relay	L	61-299 d	9.650		MH
Phillippines	VOA, relay	C	61 d	12.040		MH
PHL	VOA, Relay	C	88 d	17.735		MH
Poland	Polskie Radio	C	52 d	7.285		MH
Poland	Polskie Radio	C	62 d	11.820		MH
Portugal	Deutsche Welle Relay	C	80 d	13.720	v/s, Horst Scholz	MH
Portugal	R. Diff. Portugal	C	50 d	13.625		MH
Portugal	R.Diffusao Portugal	C	64 d	21.655		MH
Romania	Radio Romania	C	54 d	11.740		MH
Romania	Radio Romania	C	58-72 d	15.250		MH



Romania	Radio Romania Int.	C	91-147 d	9.510		MH
Romania	Radio Romania Int.	C	57 d	7.190	v/s, F.Dachinou	MH
Romania	Radio Romania Int.	C	106 d	7.195		MH
Russia	Deutsche Welle, Relay	C	56 d	15.540	v/s, B. Klaumann.	MH
Russia	R. Netherlands Relay	C	20 d	12.065		MH
Russia	RVI, Petropavlosk R.	C	21 d	9.865		MH
Russia	RVI, relay	C	23 d	9.865		MH
Russia	Voice of Russia	C	66 d	7.170		MH
Russia	Voice of Tatarstan	C	60 d	15.105	V/s, Ilousibatullin	MH
Russia	Voice of the Med. Relay	C	34 d	12.060		MH
Russia	WSHB, relay	C	93 d	9.940	v/s, Dan Dean.	MH
Rwanda	Deutsche Welle Relay	C	94 d	17.860	v/s, Horst Scholz	MH
Sao Tome	VOA, relay	C	75 d	4.950		MH
Sao Tome	VOA, relay	C	56 d	6.035		MH
Singapore	Radio Japan, relay	C	39 d	11.860	v/s, Yoshiki Fushimi	MH
Singapore	Swiss Radio Int. Relay	C	16 d	13.735		MH
Slovakia	AWR Relay	C	42-61 d	13.855	v/s, Narine West	MH
Slovakia	AWR, relay	C	45 d	17.525		MH
Slovakia	Radio Slovakia	C	96 d	9.440		MH
South Africa	AWR, relay	C	326 d	9.745	v/s, Clive P.Oaklo.	MH
South Africa	BBCWS via Sentech	C	28 d	15.420	v/s, Kathy Otto.	MH
South Africa	Sarl Via Sentch	C	27 d	15.205	v/s, Kathy Otto.	MH
South Africa	TWR via Sentech	C	277 d	9.510	v/s, Mrs. L. Stavropoulos	MH
South Africa	via Sentech	C	22 d	12.130	v/s, Evelyn Gysin-Ruf	MH
South Korea	Radio Korea Int.	C	70 d	15.575	v/s, Amia Park.	MH
South Korea	Radio Korea Int.	C	69-145 d	15.575		MH
Spain	REE	C	36 d	7.270		MH
Spain	RFE/RL Relay	L	34 d	7.155	v/s, David Walcutt	MH
Spain	RFE/RL Relay	L	89 d	9.520	v/s, David Walcut.	MH
Sri Lanka	DW Relay	C	34 d	15.250	v/s, Horst Scholz.	MH
Sri Lanka	VOA, relay	C	182 d	9.750	v/s Gary R.Wise	MH
Swaziland	TWR	C	46 d	3.240	v/s, Mrs. Stavropoulos.	ZL
Sweden	Radio Sweden	C	15 d	13.625	v/s, C. ADLIR.	MH
Sweden	Radio Sweden	C	27 d	15.255	v/s, C. Adlir.	MH
Sweden	Radio Sweden	C	13-14 d	15.245	v/s, Johanne Leadner.	MH
Switzerland	SRI	C	51 d	9.885		MH
Syria	Radio Damascus	C	158 d	12.085		MH
Syria	Radio Damascus	C	171 d	13.610	Director of Radio Damascus.	MH
Taiwan	R. Australia Relay	C	68 d	11.550	v/s, John Wright	MH
Taiwan	Radio Taipei Int.	C	68 d	15.125		MH
TJK	Radio Free Asia Relay	L	299 d	7.530		MH
TJK	RFA, relay	L	79 d	11.540		MH
Tunisia	RTV Tunisienne	C	360 d	12.005	country No. 139 for MH.	MH
Turkey	Voice of Turkey	C	41 d	6.135		MH
Turkey	Voice of Turkey	C	61 d	9.445		MH
Turkey	Voice of Turkey	C	37-55 d	11.665		MH
Turkey	Voice of Turkey	C	51 d	9.445		MH
Turkey	Voice of Turkey	C	43 d	9.445		MH
Ukraine	Radio Belarus Relay	C	265 d	9.560		MH
Ukraine	Radio Ukraine Int.	C	69 d	12.050		MH
USA	AWR via WHRI	C	36 d	6.040	v/s, Dr. Adrian Petersen.	MH
USA	KTBN	C	54 d	15.590		MH
USA	Radio Free Asia	L	299 d	9.445		MH
USA	Radio Taipei Int.	C	188 d	9.680		MH
USA	Radio Taipei Int. Relay	C	100 d	11.740		MH
USA	Radio Taipei Int. Relay	C	64 d	9.680		MH
USA	VOA	C	60 d	17.890		MH







## Antenna Showdown in Denmark

by Martin Elbe

From 20 to 27 September I was guest in Wilhelm Herbst's house near Fjerritslev in northern Jutland. Wilhelm bought an old farmhouse up there in the middle of nowhere. And he converted the farmhouse into a DX-receiving station. On an area covering 4.4 hectares he constructed a lot of antennas. Apart from some longwires (25 and 44 meters, a 6 m Vertical) there are the following Beverage antennas:

150° 160m  
 180° 140m  
 195° 160m  
 210° 160m  
 220° 120m  
 230° 90m, in Winter up to 290m when the neighbouring farmers don't need the fields.  
 245° 80m, in Winter 270m.  
 260° 80m  
 270° 75m  
 280° 75m, in Winter 250m.  
 290° 80m  
 300° 90m  
 315° 240m  
 330° 175m  
 345° 330m  
 0° 330m

OK, in northern Finland or Sweden an antenna of 80m is not regarded as a Beverage antenna, but don't let us be more catholic than the pope. ;-) All antennas are supported either by bamboosticks or by tomato-sticks, height about 1.5m, the antennas are grounded via a resistor at the end.

And then there are antennas for FM-DX (an 8-element Yagi with Rotor and TV antennas). Alone on FM more than 1300 stations from 32 countries were logged so far. Not bad at all!

Anyway, a nice selection of antennas to choose from, and Wilhelm rents out his home as a "DX-Hotel". He has 3 guestrooms and space for 3 DXers to listen. Accomodation is cheap, in summer it's 90 DKK (less than 11 US\$) per day, in winter it's 120 DKK. Interested? Contact Wilhelm Herbst, Husbyvej 183, DK-9690 Fjerritslev for more information.

All antennas can be selected via switchboards.

I had my Wellbrook K9AY with me to compare the performance of this antenna in relation to the Beverage farm.

Concerning the K9AY here are some quotes of Wellbrook's Webpage, <http://www.wellbrook.uk.com/K9AY.html>

The Wellbrook antenna provides a cardioid reception pattern with up to 30dB front-to-back ratio over a very large bandwidth. The antenna uses two Delta Loops with a reversible beam direction to provide a 360 degree coverage.

A unique feature of the K9AY, is the Remote Controlled Variable Termination. This allows the user to optimise the null during changes in the arrival angle of interfering signals and provides a considerable improvement in reception quality.

The K9AY is specifically designed to simplify the construction of this Loop antenna. The K9AY comprises of two assemblies: Antenna Control Unit, and an Antenna Head Unit.

The Antenna Control Unit provides the antenna control functions, supplies the power to the Antenna Head Unit, and feeds the signal to the receiver. A 10-15dB Broadband Amplifier is fitted. The Antenna Head Unit provides the variable antenna termination, Beam Reversal and the Loop selection electronics. Integrated

into the Antenna Head Unit is a 9:1 Balun. This Balun has the feeder winding isolated from the antenna so that the antenna is magnetically coupled to the feeder. This reduces antenna/feeder interaction and mains borne noise from TVs, computers etc.

The K9AY antenna uses a coaxial feeder cable without an antenna tuner. Low noise performance is assured because there is no antenna return path to mains earth. The K9AY, is also suitable for non-directional short wave reception and will provide far lower noise performance (similar to the T2FD) than an equivalent length Longwire antenna. The electronics are encapsulated in synthetic resin to form a weather proof construction.

Comprehensive operating and installation instructions guide the user to a easy and safe erection. The K9AY is supplied complete with an Antenna Control Unit, Antenna Head Unit. To operate the K9AY, the user must provide a 12volt regulated Power Supply, antennna wire, the 50 ohm feeder cable and the twin lead control wire.

## **K9AY FEATURES**

- Up to 30dB F/B ratio 60kHz to 2MHz · Lower noise than Longwire
- 2 Loops for 360 degree coverage · Coaxial feeder reduces local noise
- Variable Null depth control · Static discharge path to earth
- Rotary beam direction control · Optional 10-15dB amplifier
- Omni-directional up to 30MHz · Weather proof construction

## **K9AY ANTENNA**

This antenna was originally designed in the US by a radio amateur, Gary Breed - K9AY, and has been used successfully used by radio amateurs and medium wave listeners.

The unique feature of the K9AY is the constant high front to back ratio over a very large bandwidth. The K9AY is probably the only medium size passive antenna that can provide a significant improvement to medium and long wave reception.

The antenna simply requires up to two 25m wire Loops. A single 8m vertical support is required such as a tree. However, it is important that the antenna is erected away from buildings and sources of interference. The K9AY only requires an area of 9m x 9m to complete the erection. Thus, it will fit into most gardens.

## **SETTING UP THE BEAST**

So much from Wellbrook. To erect the Loops I had my Spieth-mast with me. That's a telescopic fiberglass mast, fully erected 10m high, collapsed a little bit over a meter long and about 1.5 kg of weight. For earthing I used a 1m long copperpipe, the earth was rather wet, so that seemed to be enough. On sandy soil, rock or under other poor earthing conditions you may use a counterpoise instead. Both loops had a length of 20 meters. My fault that I did not take more with me, I think a little bit more wire would have given better signals.

Construction was rather simple. First I hammered a broom-stick into the soil. Then I connected both loops at about 7m height at the mast. Then I erected the mast and putted it over the broom-stick. Then I used 4 tomatosticks to fix the loops around the center mast. That proofed to be a bad solution. Next day I went to Fjerritslev in order to buy 4 tent pegs instead. I couldn't find any, so I bought 4 Kebabspits and a Nylonrope. With that I could easily fix the antenna.

Of course the Spieth-mast bended like a bow, but that's pretty normal and just an aesthetic problem. The mast sometimes tends to collapse under windy conditions, so I fixed the elements with a bit of force. No good idea: That turned out to be really bomb-proof when I dismantled the antenna after a week and there was a lot of swearing and four-letter words until the mast was fully collpsed. :-) Better use a bit of tape to fix the elements.

*(continued in DX MAGAZINE 3/2001)*

## SW Reception Propagation of Voice of Mongolia

The overseas service of the Voice of Mongolia was founded in 1964. Since then it has been introducing Mongolia to the rest of the world. The first broadcast in September 1964 was a half hour transmission in the Mongolian and Chinese languages, beamed to China. In the next few years, Mongolian international broadcasting expanded in terms of languages used, broadcast hours and target areas. The English service of Radio Ulaanbaatar, which was renamed The Voice Of Mongolia on January 1st, 1997, was launched on January 29th, 1965. Today the service transmits its broadcasts under the name "The Voice Of Mongolia" in the Mongolian, English, Chinese, Russian and Japanese languages. The Voice of Mongolia transmits a half-hour program on a daily basis in each of the mentioned languages. All of The Voice Of Mongolia's broadcasts come directly from its Khonkhor Transmitting Station, about 25 km east of Ulaanbaatar, Mongolia's capital. It broadcasts through Soviet-made 100, 250, and 500 kW transmitters and curtain antennas built in the mid sixties. You may be able to hear some of the broadcasts which are not directed to your part of the world providing fair reception in South America and in Southern Africa and in Europe as well. The Voice Of Mongolia is the country's only overseas broadcasting service and is operated by Mongolian National Radio & Television, a public service broadcaster of the Mongolian Government. It broadcasts a total of 8 hours a day in 5 languages - Mongolian, English, Chinese, Russian and Japanese. All reception reports and personal letters should be sent to the station's address marked for a particular language section (e.g. English Section): Voice of Mongolia, C.P.O.Box-365, Ulaanbaatar 13, MONGOLIA or via Email: radiomongolia@magicnet.mn

The daily English transmissions beamed at 178 degrees will be well heard in Australia and whole Asia, the primary targets of Voice of Mongolia programs: 1030-1100 UTC on 12085 kHz, beam 178 deg, power 250 kW and 1500-1530 UTC on 12015 kHz, beam 178 deg, power 50 kW. The other daily English transmissions will cover more than the primary target areas, so take a look at the propagation maps to choose the best conditions at your location.

(Source R. Mongolia Website / JKB - j.kubiak@gmx.net)

**Data Input to VOAAREA** (<http://elbert.its.bldrdoc.gov/hf.html>):

Month: March 2001.

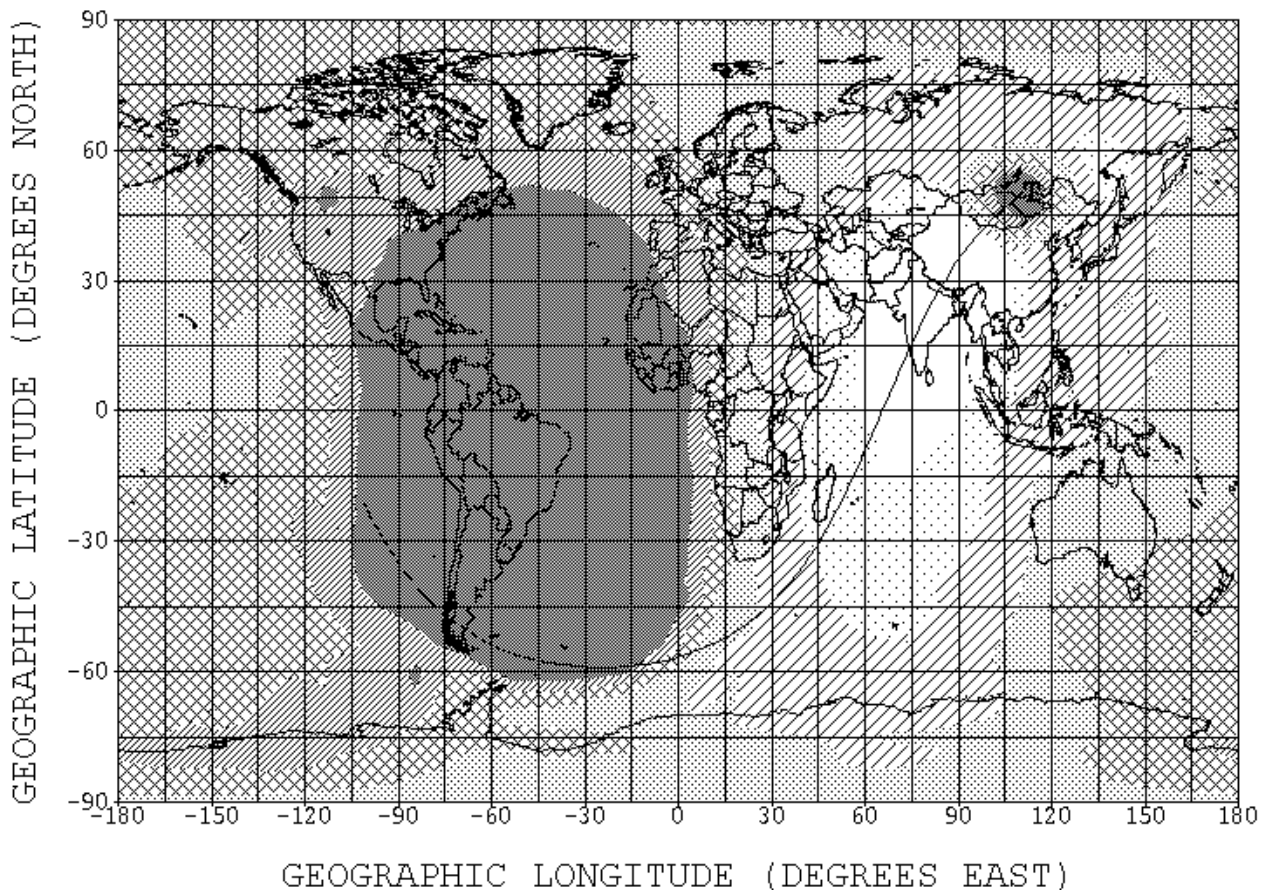
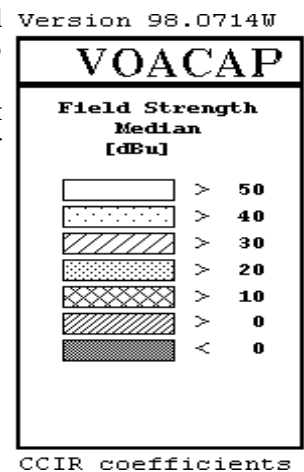
Sunspot number: SSN = 111 (<http://www.ips.gov.au/papers/richard/ssnpred.html>).

Transmitter power: 250 / 50 kW.

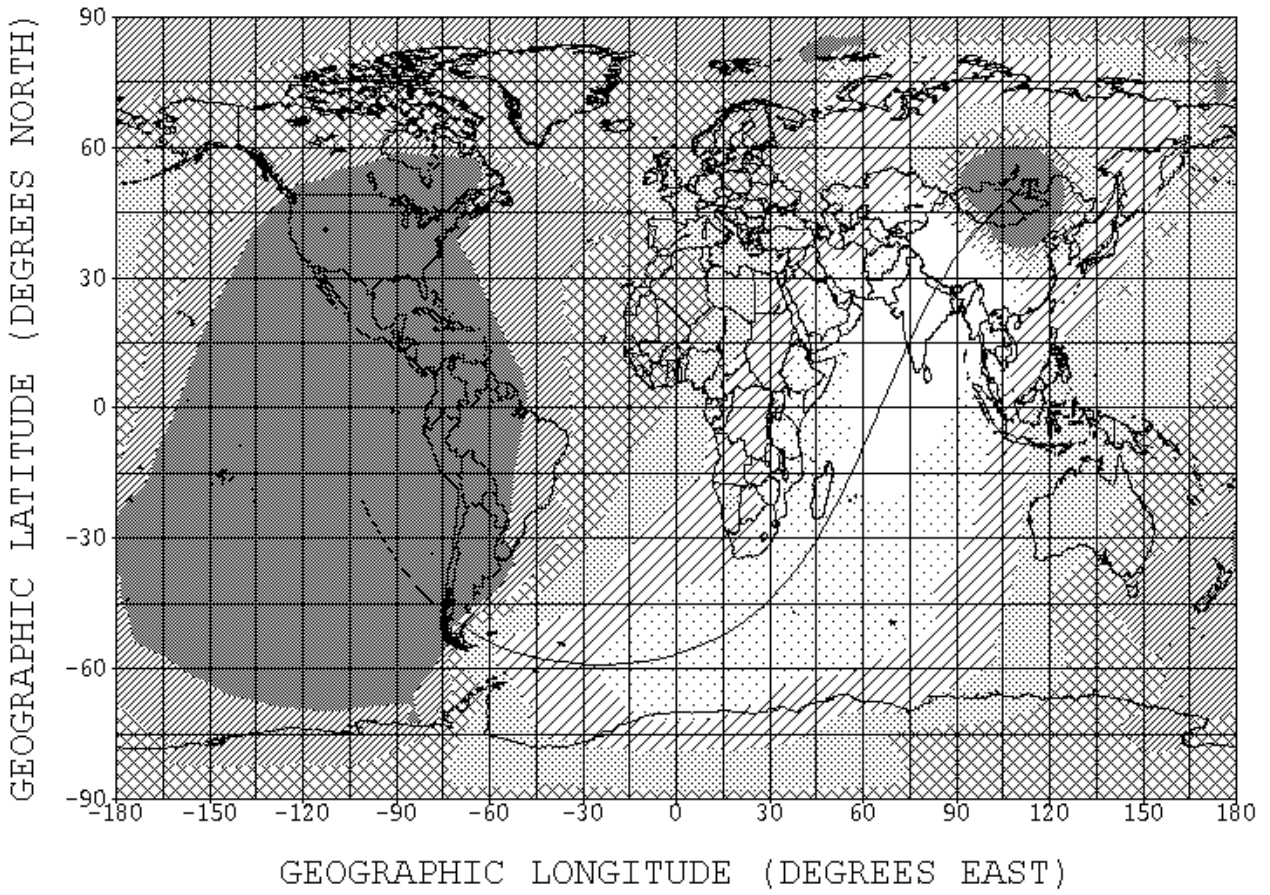
Transmitter antenna: HR/2/2/0.5.

Receiver telescopic antenna: No beam. Gain 0 db.

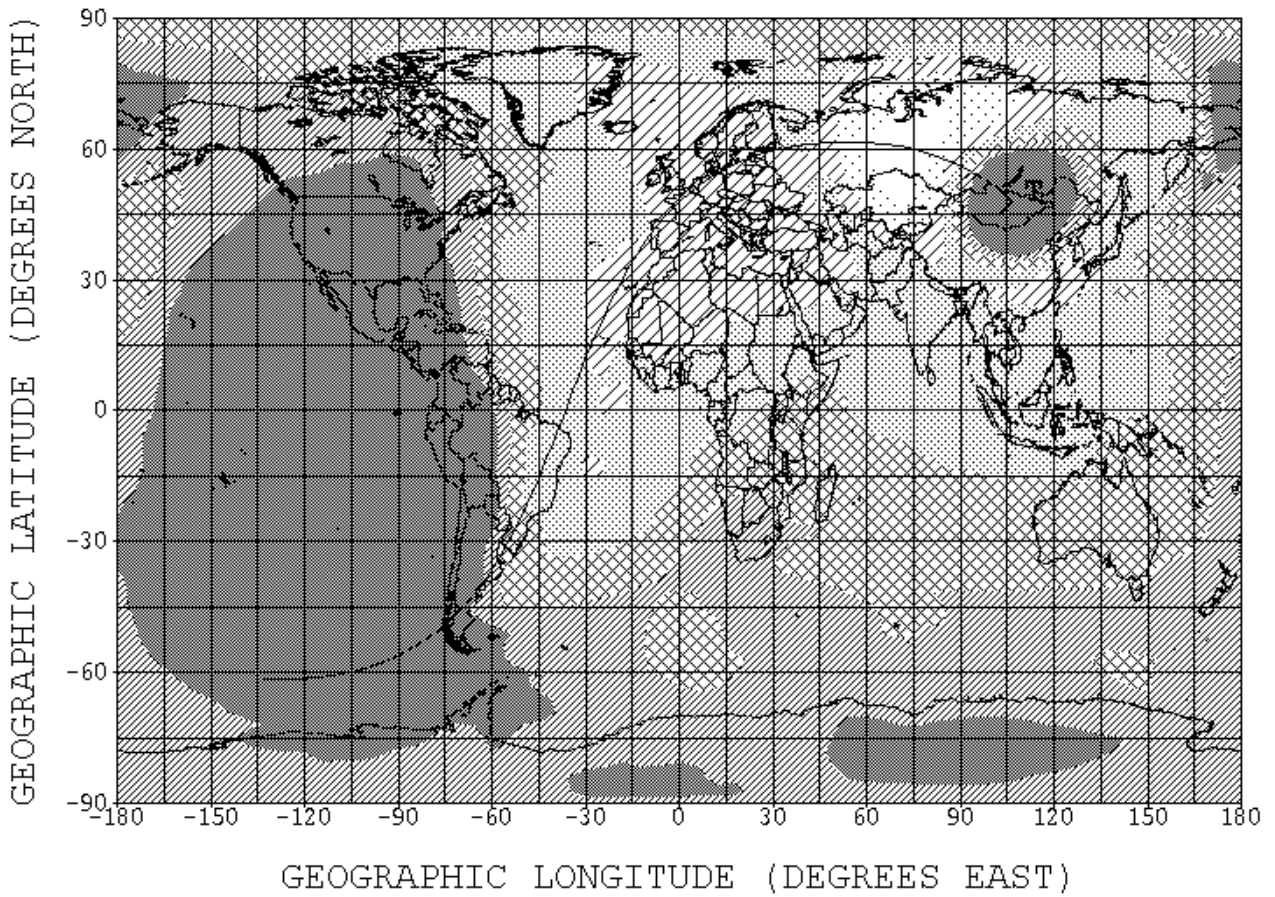
World map: Showing median field strength dBu at receiver location.



Map #1: Voice of Mongolia in English at 1500 UTC on 12085 kHz, beam 230 degrees, power 250 kW.



Map #2: Voice of Mongolia in English at 2000 UTC on 12085 kHz, beam 230 degrees, power 250 kW.



Map #3: Voice of Mongolia in English at 2000 UTC on 12015 kHz, beam 315 degrees, power 50 kW.