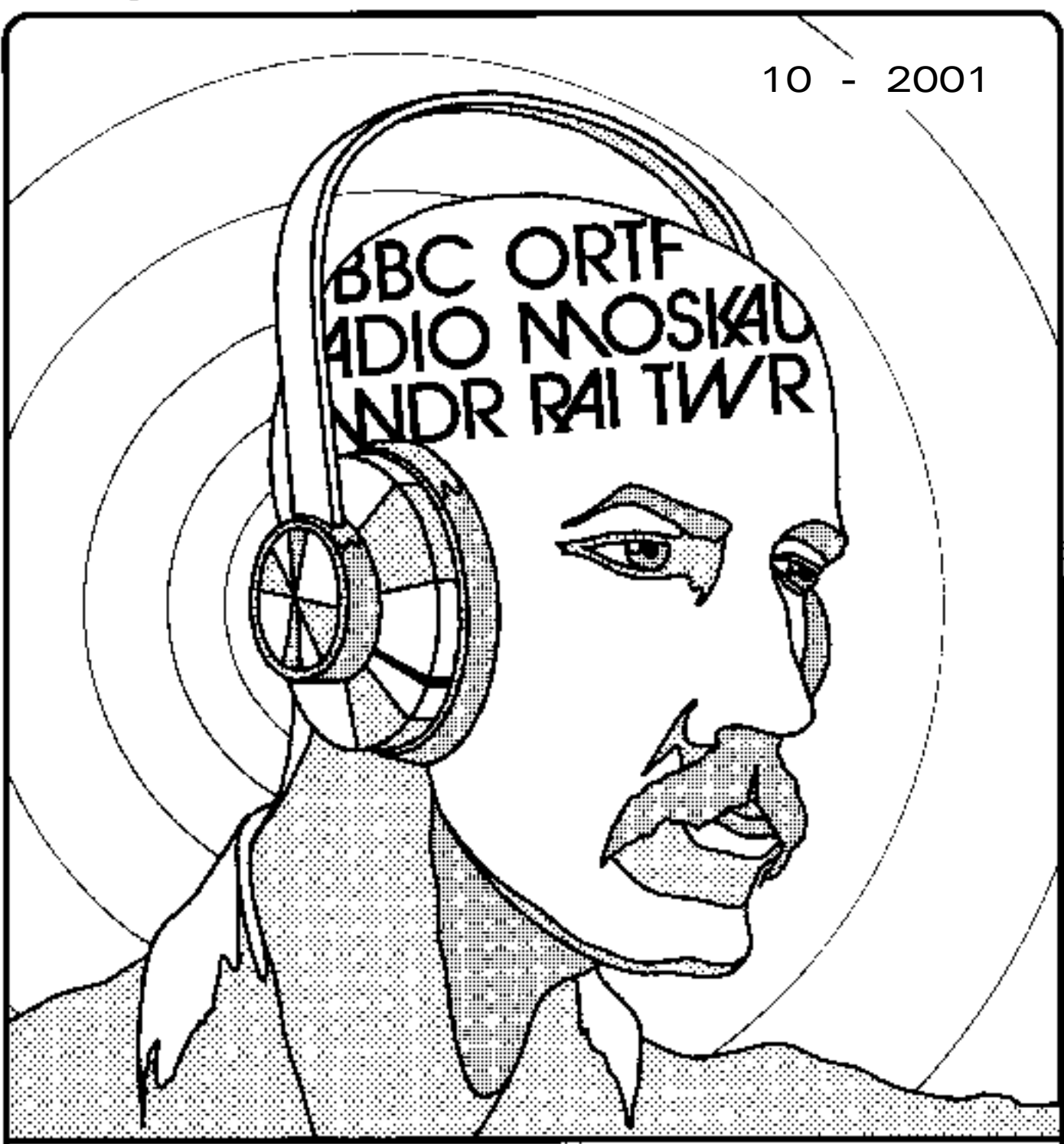


10 - 2001



ISSN 0175-6877

 **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 2002

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DEADLINE (Redaktionsschluß) for DX



MAGAZINE No. 12 is on November
22nd, 2001, and for DX MAGAZINE
No. 1/2002 on December 20th, 2001.



DXMAGAZINE is the monthly publication of WORLDWIDE DX CLUB, Postfach 12 14, D-61282 Bad Homburg, Germany. Price for a single copy: DM 2.50, €1.28 or 2 International Reply Coupons (IRC's); annual subscription rate: DM 30.00, €15.34 or 15 IRC's. Other currencies and air mail rates on request. Cover: Peter Pohle + Jürgen Kauer (KAVOP)



DX MAGAZINE No. 10

Vol. XXXVI

October 2001

Hello again,

Here we are back again after our usual summer break. I hope that you have enjoyed your summer holidays, if you had any, and that you have had also some time for DX'ing. If so, please do not forget to send your news and loggings to our editors.

On the left please find the prices and conditions for ordering the new **WORLD RADIO TV HANDBOOK 2002**, which will be available in Germany in the beginning of December, according to the German general distributor. According to its editor David Bobbett, the book has been extensively revised with the help of many well-known shortwave listeners. Below is the same information for our members in German.

Auch in diesem Jahr können Sie das neue **WORLD RADIO TV HANDBOOK 2002** wieder bei uns bestellen. Der Preis liegt wie in den letzten Jahren unverändert bei DM 50,00 (Ladenverkaufspreis: DM 62,00). Die Preise in anderen Währungen finden Sie auf Seite 2. Das Buch soll laut Ankündigung des deutschen Generalimporteurs Anfang Dezember erscheinen und wird dann von uns gleich an die Besteller ausgeliefert werden. Der obige Preis enthält Porto und Verpackung. Lieferung gegen Vorauszahlung durch Überweisung, Verrechnungsscheck (Ausland: Euroscheck, ausgestellt in DM oder EURO), Postanweisung oder Bargeld. Postbankkonten: Frankfurt am Main/BRD Nr. 2890 10-605 [Bankleitzahl 500 100 60] und Arnhem/Niederlande Nr. 3822840. Bei Nachnahmelieferung: DM 6,00 Zuschlag.



Falls Sie bei dieser Gelegenheit gleich Ihren Mitgliedsbeitrag überweisen möchten: Unsere Mitgliedsbeiträge werden auch im kommenden Jahr unverändert gültig bleiben (RKw w h + DXM = DM 96,00, *nur* DXM = DM 30,00, *nur* RKw w h = DM 75,00). Ausführliche Informationen über die gültigen Mitgliedsbeiträge finden Sie auch auf der letzten Seite in DX MAGAZINE 8-9/2001. Wann Ihr Mitgliedsbeitrag genau ausläuft, können Sie übrigens jeweils auf dem Adressenaufkleber Ihres DX MAGAZINES (oben rechts = letzter bezahlter Monat + Jahr) sehen. Unseren deutschen Mitgliedern legen wir ein Überweisungsformular bei.

Ab Januar 2002 sind sowohl unser "DX MAGAZINE" als auch die Zeitschrift "Radio-Kurier - weltweit hören" auch als PDF-Version über das Internet erhältlich. Es besteht ab diesem Zeitpunkt die Möglichkeit, die Zeitschriften nur noch digital als PDF-Datei zu beziehen oder aber die PDF-Version zusätzlich zu den gedruckten Zeitschriften. Da es hier eine große Zahl von Kombinationsmöglichkeiten gibt, würde es zu weit führen, die Preise für alle Möglichkeiten hier aufzuführen. Falls Sie an dem Bezug der digitalisierten Versionen der Zeitschriften interessiert sind, schreiben Sie uns bitte per eMail oder Post. Wir teilen Ihnen dann gerne den Preis der von Ihnen gewünschten Variante mit.

Da wir wieder eine große Menge von Internationalen Antwortscheinen (IRC's) vorrätig haben, bieten wir diese unseren Mitgliedern für DM 2,10 inkl. Porto an. Sie können so deutlich günstiger Ihre Briefe nach Übersee verschicken (Einlösewert: DM 3,00) oder die Scheine Ihren Briefen an ausländische Sender oder Korrespondenzpartner als Rückporto beilegen. Die Mindestbestellmenge beträgt 10 Stück. Lieferung gegen Vorauszahlung durch Scheck oder Überweisung auf unser Postgirokonto Frankfurt am Main, Konto Nr. 2890 10-605, BLZ 500 100 60.

We have still a few copies of **WORLD RADIO TV HANDBOOK 1991** and **1999** left, which we are offering to collectors for DM 10.00 or f11.00. These prices include postage and packing. Delivery against advance payment by International Money Order, cash or transfer to our postal giro accounts

Frankfurt/Germany No. 2890 10-605 or Arnhem/Netherlands No. 3822840.

The 5th international telecommunications exhibition and forum for the Americas region, **ITU TELECOM AMERICAS 2003**, will be hosted by the Government of the Argentine Republic and held in Buenos Aires, from Tuesday 25 to Friday 28 February 2003, at La Rural. Buenos Aires promises to be an excellent venue for the ITU TELECOM event, with a communications and transport infrastructure which reflects its importance as a business hub for the region, and its high-quality facilities and urban amenities. The event venue, La Rural, with its exceptional location and facilities, will be the ideal venue for the most important telecoms meeting in Latin America and the Caribbean in the year 2003. The Exhibition at AMERICAS 2003 will feature the latest products and services from the broad telecommunications industry and will demonstrate the shape of things to come. For more information on the exhibition and details of how to apply for space at the event please see <www.itu.int/americas2003/exhibition> or call +41 22 730 6161.

Speedlink is a new free telematic issue in English by GRAL (Gruppo Radioascolto Liguria Italia - <<http://utenti.tripod.it/gral>>). It is an Internet Magazine, spread by e-mail, about radio enthusiasts links in the World Wide Web; we capture up-to-date news about new sites about radio and communication and show in "Speedlink". If you like to receive this newsletter free of charge, please write an e-mail to <ristort@tiscalinet.it>, asking to be put in the "Speedlink" mailing list. (Riccardo Storti)

EURO-TX 5.1, the Database of International Broadcasts to Europe is now available for download via the Internet. With EURO-TX 5.1 you can display detailed sorted listings of Shortwave and Mediumwave broadcasts to Europe from International Broadcasters, in any combination of country, language, station and/or transmission time order (1198 records); display the schedule information (transmission times/days frequencies, languages, broadcast area, relays etc. etc.) of 134 stations in 76 countries. Broadcasts in the following languages are included: Danish, Dutch, English, Esperanto, Finnish, French, German, Greek, Italian, Icelandic, Norwegian, Portuguese, Russian, Spanish and Swedish; display all transmissions which are on the air, at the moment you press an 'on air now' button and lots of additional features. For full information, please visit: <<http://www.425dxn.org/swls/bdxc/eurotx/index.htm>> (Jan Nieuwenhuis)

Max van Arnhem has compiled a CD ROM with Latin American radio stations he has recorded from 1975-2001. Nowadays, many stations are not audible anymore on the tropical bands, at least not at large distances, so hopefully my selection is of interest to many DX-ers. Unfortunately I did not tape all the stations I received and some recordings have been lost. Yet, the result still is an amount of 371 wav-files. The reception quality varies from station to station and represents the quality at the time of reception. The majority of the stations was received in my house in the Netherlands. However, some stations included, were recorded in Mexico (1979), USA (1981), Panama (1986), Guatemala, Honduras and Belize (1989), Curaçao (1983 and 1999) and Aruba (2001). You find these stations in the "On location in" maps. The files can be opened in Mediaplayer or Realplayer; just double click on the filename and the player will open the file. The CD ROM can be ordered by sending 30 Dutch Guilders or the equivalent (after January 1st 2002: 15 Euro) for delivery within Europe to: Max van Arnhem, Brink 9, 6852 EE Huissen, The Netherlands. For delivery outside Europe the price is 15 US Dollars. For questions and/or remarks, please contact: <mvarnhem@wxs.nl>

Like every year, also the 23rd International Middle-East-DX-Contest of EAWRC will take place in November (1st to 18th). The Contest consists of five parts with different purposes. Among other things reception reports will be passed on free of charge to all radio stations logged in part 4 of the contest. Again we hope for the promised QSLs, as it was no problem to get detailed QSL from other rarely confirming stations during the last years' contests. All participants will receive a certificate and a special publication with all stations and frequencies listened during the contest. The three best participants will receive prizes, recipients of many other prizes will be decided by drawing lots. The participation is open to all radio enthusiasts, a membership in any DX-club is not required. Curious and you want to take part? Please order immediately the necessary contest-sheet with the detailed description of the contest rules. Your order is without any obligation, of course, but please don't forget to enclose 1 IRC return postage. The address: EAWRC-ME-Contest, c/o Adolf Schwegeler, Bahnhofstr. 56, D-50374 Erftstadt, Germany.

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



NEWS ABOUT BROADCASTING (+other) STATIONS

Dr. Juergen Kubiak · Goltzstr. 19 · D-10781 Berlin · GERMANY

AFGHANISTAN: The *Voice of Shari'a*, the Taliban's clandestine radio station, which consists of a network of radio stations across most of Afghanistan, is likely to be an early target since radio stations are often among the first to be hit during military campaigns. According to sporadic monitoring by listeners in Germany, the Czech Republic and Australia, the latest schedule of the Voice of Shari'a, Kabul, appears to be:

7085 to 7088 kHz highly variable with 100 kW

0100-0300 UTC in Pashto and Dari

1500-1520 UTC in unknown language

1520-1530? UTC in English

1530-1650 UTC in unknown languages

1650-1710 UTC in Russian

(Nick Grace C. via Clandestine Radio Watch via DXLD #1-127, 2001 Sept 13)

Bengt Ericson heard Afghanistan from Sweden on the following *MW frequencies*: active on 657, 864, 1107 and 1584 kHz. Kabul, Kandahar, Kabul and Mazar-i-Sharif. All stations except 864 are logged in Sweden and Finland. (Bengt Ericson, via Mahendra Vaghjee via DXplorer via BC-DX #541, 2001 Oct 1)

ALASKA: *KNLS*, Anchor Point, Alaska - new season schedule B01. Address: KNLS, P.O. Box 473, Anchor Point, Alaska 99556 U.S.A., fax: +615-371-8791 and email: <KNLS@aol.com> (for reception reports subject should be "reception report" without quotes). KNLS will provide only ONE QSL for each report, regardless the number of entries and doesn't NOT provide QSL's for other transmitter operators who may air World Christian Broadcasting programs. To qualify, a report must include: The date and time (UTC only) of the transmission, the frequency and as many program details as you can supply. At the web you will find KNLS at the URL <www.knls.org>.

March 25, 2001 - October 27, 2001:

0800	11765	English
0900	11765	Russian
1000	11765	Mandarin
1100	9615	Russian
1200	11765	Mandarin
1300	11870	English
1400	11870	Mandarin
1500	11870	Mandarin
1600	11765	Mandarin
1700	12105	Russian

October 27, 2001 - November 24, 2001:

0800	11765	English
0900	9615	Russian
1000	9615	Mandarin
1100	9615	Russian
1200	9615	Mandarin
1300	11765	English
1400	9615	Mandarin
1500	9615	Mandarin
1600	9615	Mandarin
1700	9615	Russian

November 25, 2001 - January 26, 2002:

0800	11765	English
0900	9615	Russian
1000	7365	Mandarin
1100	9615	Russian
1200	7365	Mandarin
1300	9615	English
1400	7355	Mandarin
1500	7355	Mandarin
1600	7355	Mandarin
1700	7355	Russian

January 27, 2002 - March 30, 2002:

0800	11765	English
0900	9615	Russian
1000	9615	Mandarin
1100	9615	Russian
1200	9615	Mandarin
1300	11765	English
1400	9615	Mandarin
1500	9615	Mandarin
1600	9615	Mandarin
1700	9615	Russian

(KNLS webpage last modified 26. Februar 2001, via JKB)

ANTARCTIC: On Aug 16, President Fernando De la Rúa blasted press reports of Argentina closing its Antarctic bases as false. This was also denied officially by the Argentine Chancellor Mr. Adalberto Rodríguez Giavarini and the secretary of Military Affairs of the Ministry of Defense, Mr. Ángel Tello. Of course, all these they are the official versions; we do not know with certitude what will happen in the future to LRA36, but meanwhile, we will continue listening to its signal on

15476 (10 KW transmitter, Ed.). The change of the Argentine endowment will be as usual, in December 2001. Because of this, I think that in the meanwhile we will continue listening to LRA36 up to the end of this year. Maybe in the future we can listen to LRA36 from Base Marambio or another Argentine Base, if Base Esperanza is closed, according to the journalistic versions. (Barrera via Cumbre DX via DXLD #1-119, 2001 Aug 29)

See nice pictures of **Base Esperanza** under URL: <www.fcapital.com.ar/esperanza>. Click on START page to the transport helicopter. (Uwe Volk via BC-DX #541, 2001 Oct 1)

BIAFRA: Dxers heard a new station with the provocative name **Voice of Biafra International**. Biafra was the name of the republic of mostly Igbo-speaking peoples which broke away from Nigeria in 1967, leading to a bloody civil war which ended in 1970. Voice of Biafra International transmitted at 19 to 20 UTC on 12120 kilohertz. Ludo Maes in Belgium, who brokers time on shortwave transmitters, said the station might switch to 12125 this Saturday to escape interference from Iceland. Dxers are trying to figure out what transmitter is being used for this new station. Mika Palo in Portugal, in Hard-Core DX, reports hearing Russian interval signals on the transmitter just before and after the Voice of Biafra International broadcast. (Excerpt from Communications World, 8 September 2001, via JKB)

Voice of Biafra International on 12120 kHz on the 1st of September 2001, when they had their first transmission 1900-2000: Time signal and a welcome ID was followed by music, a short religious message and a very long political speech, all in English. Reception was quite good and with no interference. It improved after 1930, when there was also a very weak telegraphy transmitter on the frequency. (Bjorn Fransson via hard-core-dx via DXLD #1-121 of 6 Sep 2001)

Voice of Biafra International's postal address, heard them announce the following address for listeners' mail at the end of their first broadcast on 1st September: 733 15th Street NW, 3700 Washington DC 20005, USA (or 16th Street??). Judging from the Russian interval signals I heard as part of the same transmission on 12120 kHz just before and after the Voice of Biafra International programme at UT 1859 and 1959, the transmitter is most probably located in Russia or one of the former Soviet republics. Besides English I heard Voice of Biafra International programming towards the end of the broadcast in an African language, probably Igbo. Reception here in Portugal varied between SINPO 43443 - 42432 with some utility QRM, but generally Voice of Biafra International's signal was easily readable. Note: the Biafra national anthem that was played in the first minutes of the inaugural broadcast is none other than the famous Finnish composer Jean Sibelius' classical masterpiece "Finlandia"! (Mika Palo via hard-core-dx via WORLD OF RADIO 1095, DXLD #1-121 of 6 Sep 2001)

Christians have used the tune for various hymns, so that may explain it. (gh, DXLD #1-121 of 6 Sep 2001)

Transmission of a new station called "The Voice of Biafra International" on 12120 kHz at 1900-2000. The programme opened with an interval signal then male announcer with English identification followed by a review of local news and commentaries. Some of the talks were in Igbo, a local vernacular. This continued to 1959 when the email address, snail mail address and URL were given several times in both languages. At the end of the transmission the interval signal was played a couple of times then the station went off. Based on the interval signals, frequency and signal strength I think the relay site was Juelich Germany. The objectives of the station are stated to be the seeking of an independent Biafra through peaceful means only. Email address biafraland@biafraland.com Snail mail address: Voice of Biafra International, 733 16th Street North West 3700, Washington DC 20005, USA. Internet URL <http://www.biafraland.com> (Michael Ford via Mike Barraclough via WoR 1095, DXLD #1-121 of 6 Sep 2001)

Voice of Biafra-QSL and background info: Mika Palo just got this e-mail from oguchi@pacbell.net in response to my e-mail reception report to Voice of Biafra International. It includes info on a new frequency for this coming Saturday's broadcast:

"Hello, Mika: Thank you so much for listening, monitoring and confirming our broadcast! Voice of Biafra International is owned and produced by Igbo organizations focused on actualizing Biafra. We buy airtime from a broadcasting station; we would like to own our own station someday. Yes, we are continuing the ongoing struggle started over 30 years ago by Nigeria against us Biafrans; the ugliness has never ceased since then. We shall, in the end, vanquish. I am not sure how our Biafran National anthem is sung a la Finlandia, but it is appropriate. The words are at our website. We also have more information there: <http://www.biafraland.com>

Thank you, again, Sir. Our next broadcast will be same time, but on 12125 (instead of 12120) kHz. See you then! Oguchi Nkwocha, MD, A Biafran Citizen." (Mika Palo for CRW via DXLD #1-121 of 6 Sep 2001)

BULGARIA: From Oct 6 **Eurosonor Radio** in German will be on the air at new time: 2000-2100 Sat on new frequency 7600 (ex 1600-1700 Sun on 9980), re-ex 1600-1700 Sun on 6900. Tx site: Kostinbrod-BUL; Power/Azimuth: 50 kW / non-dir. (OBSERVER via BC-DX #541, 2001 Oct 1)

B01 broadcast schedule, 28 Oct 2001 - 30 March 2002 (revision 27 Sept 2001) of **The Voice of the Andes - HCJB**. Address: Radio Station HCJB, Casilla 17-17-691, Quito, Ecuador. Fax: +593-2-267263. Frequency Manager: Douglas Weber, E-Mail: <dweber@hcjb.org.ec>.

Language	UTC Begin	UTC End	Freq. (kHz)	TX Pwr (KW)	Ant Az (Degrees)	Target Region	Days(1=yes, 0=no) SMTWTFS
CZECH	0530	0600	9765	100	42	Europe	1011101
	2030	2100	17795	100	41	Europe	1011101
	2030	2100	15550	350	40	Europe	1011101
	2030	2100	21455	30	35/225	Eur/So Pac	1011101
ENGLISH	0100	0400	9745	100	351	Ea No Amer	1111111
	0100	0600	11840	50	330	No America	1111111
	0100	0600	21455	30	35/225	Eur/So Pac	1111111
	0400	0600	9745	100	325	We No Amer	1111111
	0700	0900	9780	250	38	Europe	1111111
	0700	1100	11755	100	228	So Pacific	1111111
	0700	1100	21455	30	35/225	Eur/So Pac	1111111
	1100	1430	12005	50	43	Caribbean	1111111
	1100	1430	15115	100	352/128	N/S Amer	1111111
	1100	1430	21455	30	35/225	Eur/So Pac	1111111
FRENCH	2000	2200	11890	100	42	Europe	1111111
	2330	0100	11785	100	42	India	1111111
	0030	0100	11730	100	6	Canada	1111111
	0630	0700	9765	100	41	Europe	1111111
	0630	0700	21455	30	35/225	Eur/So Pac	1111111
	2000	2030	17795	100	41	Europe	1111111
GERMAN	2000	2030	15550	350	40	Europe	1111111
	2000	2030	21455	30	35/225	Eur/So Pac	1111111
	0600	0630	9765	100	42	Europe	1111111
	0600	0630	21455	30	35/225	Eur/So Pac	1111111
	0930	1000	9745	100	155	So America	1111111
	2100	2130	11755	100	41	Europe	1111111
HUARANI	2100	2130	21455	30	35/225	Eur/So Pac	1111111
	2100	2130	15550	350	40	Europe	1111111
	2300	2400	11980	100	131	So America	1111111
	1030	1100	6050	50	18/172	So America	1111111
KIKONGO	0500	0515	12005	100	100	We Africa	0111110
PORTUGUESE	0800	0930	9745	100	100	Brazil	1111111
	1530	1800	15295	100	139	Brazil	1111111
	2300	0230	11920	250	126	Brazil	1111111
QUICHUA	0100	0230	11785	100	100	Brazil	1111111
	0830	1000	9765	100	135	So America	1111111
	0830	1030	690	50	000/180	Ecuador	1111111
	0830	1400	6080	8	90 (Vert)	So America	1111111
	0830	1400	3220	8	90 (Vert)	So America	1111111
	2100	0300	6080	8	90 (Vert)	So America	1111111
	2100	0300	3220	8	90 (Vert)	So America	1111111

	2130	0000	9745	100	155	So America	1111111
RUSSIAN	0330	0430	9775	250	34	We Russia	1111111
SLOVAK	0530	0600	9765	100	42	Europe	0100010
	2030	2100	17795	100	41	Europe	0100010
	2030	2100	15550	350	40	Europe	0100010
	2030	2100	21455	30	35/225	Eur/So Pac	0100010
SPANISH	0100	0500	15140	100	339	Mexico	1111111
	0700	0730	9765	100	42	Europe	1111111
	1030	0500	690	50	000/180	Ecuador	1111111
	1100	0500	6050	50	18/172	So America	1111111
	1100	1300	11960	100	355	Cuba	1111111
	1100	1500	15140	100	150	So America	1111111
	1300	1500	17690	100	320	Mexico	1111111
	1430	1530	21455	30	35/225	Eur/So Pac	1111111
	2100	2300	15140	100	150	So America	1111111
	2130	2230	11755	100	42	Europe	1111111
	2130	2230	9630	350	50	Europe	1111111
	2130	0100	21455	30	35/225	Eur/So Pac	1111111
	2300	0100	15140	100	160/330	N/S Amer	1111111

Note: HCJB's shortwave broadcast schedule also includes these programs transmitted from Rampisham in the United Kingdom.

Bashkir	1600	1615	11760	500	62	Cntrl Asia	1000000
Uzbek	1600	1615	11760	500	62	Cntrl Asia	0101000
Tajik	1600	1615	11760	500	62	Cntrl Asia	0010100
Tatar	1600	1615	11760	500	62	Cntrl Asia	0000011
Georgian	1615	1630	11760	500	62	Cntrl Asia	1000000
Russian	1630	1715	11760	500	62	Cntrl Asia	1000000
Russian	1615	1715	11760	500	62	Cntrl Asia	0111111
Ukrainian	1715	1730	11760	500	62	Cntrl Asia	1111111
Arabic	2100	2230	12025	250	165	No Africa	1111111

(via Allen Graham via WB, 1 Oct 2001)

GERMANY: Operational Schedule B01 of *Deutsche Welle* - *DW* by frequency planning department sorted by freq / time.

Language	Start	Stop	kHz	Transmitter	kW	Azi.	Target	GERMAN	1200	1400	1548	TRINCOMALE	400	035	SAS
GERMAN	0300	0400	693	MOSKVA	010	OND	MOSKAU	GERMAN	1400	1429	1548	TRINCOMALE	400	035	SAS
RUSSIAN	0400	0500	693	MOSKVA	010	OND	MOSKAU	URDU	1430	1515	1548	TRINCOMALE	400	035	SAS
GERMAN	0500	0600	693	MOSKVA	010	OND	MOSKAU	HINDI	1515	1600	1548	TRINCOMALE	400	035	SAS
GERMAN	0600	0800	693	MOSKVA	010	OND	MOSKAU	ENGLISH	1600	1645	1548	TRINCOMALE	400	035	SAS
GERMAN	0800	1000	693	MOSKVA	010	OND	MOSKAU	GERMAN	1700	1800	1548	TRINCOMALE	400	035	SAS
GERMAN	1000	1200	693	MOSKVA	010	OND	MOSKAU	GERMAN	1800	2000	1548	TRINCOMALE	400	035	SAS
GERMAN	1200	1400	693	MOSKVA	010	OND	MOSKAU	GERMAN	0000	0200	3995	WERTACHTAL	500	OND	EUR
GERMAN	1400	1500	693	MOSKVA	010	OND	MOSKAU	GERMAN	0200	0400	3995	WERTACHTAL	500	OND	EUR
RUSSIAN	1500	1600	693	MOSKVA	010	OND	MOSKAU	GERMAN	0400	0600	3995	WERTACHTAL	500	OND	EUR
RUSSIAN	1600	1700	693	MOSKVA	010	OND	MOSKAU	GERMAN	0600	0800	3995	WERTACHTAL	500	OND	EUR
RUSSIAN	1700	1800	693	MOSKVA	010	OND	MOSKAU	POLISH	1730	1800	3995	WERTACHTAL	500	OND	EUR
RUSSIAN	1800	1900	693	MOSKVA	010	OND	MOSKAU	ENGLISH	1800	1830	3995	WERTACHTAL	500	OND	EUR
RUSSIAN	1900	2000	693	MOSKVA	010	OND	MOSKAU	TURKISH	1830	1900	3995	WERTACHTAL	500	OND	EUR
RUSSIAN	2000	2100	693	MOSKVA	010	OND	MOSKAU	ENGLISH	1900	1930	3995	WERTACHTAL	500	OND	EUR
GERMAN	2100	2200	693	MOSKVA	010	OND	MOSKAU	BOSNISCH	1930	2000	3995	WERTACHTAL	500	OND	EUR
GERMAN	2200	2300	693	MOSKVA	010	OND	MOSKAU	GERMAN	2000	2200	3995	WERTACHTAL	500	OND	EUR
MACEDONIAN	0730	0800	810	OVEC POLE	100	OND	EUR	GERMAN	2200	0000	3995	WERTACHTAL	500	OND	EUR
ALBANIAN	1530	1630	810	OVEC POLE	100	OND	EUR	GERMAN	1000	1200	5905	PETROP AVL	250	241	FE
MACEDONIAN	1630	1700	810	OVEC POLE	100	OND	EUR	GERMAN	1200	1400	5905	PETROP AVL	250	241	FE
SERBIAN	1700	1800	810	OVEC POLE	100	OND	EUR	CHINESE	2300	2350	5905	IRKUTSK	250	152	CHN
UKRAINIAN	0530	0600	999	GRIGORIOPO	500	OND	GUS	GERMAN	2200	0000	5925	IRKUTSK	500	152	FE
RUSSIAN	0600	0630	999	GRIGORIOPO	500	OND	GUS	PERSIAN	1800	1900	5935	SAMARA	250	175	ME
RUSSIAN	1600	1700	999	GRIGORIOPO	500	OND	GUS	RUSSIAN	1500	1600	5945	IRKUTSK	100	263	GUS
RUSSIAN	1900	2000	999	GRIGORIOPO	500	OND	GUS	RUSSIAN	1600	1700	5945	IRKUTSK	100	263	GUS
GERMAN	0300	0400	1188	ST.PETERB.	010	OND	PETERSB	RUSSIAN	1700	1800	5945	IRKUTSK	100	263	GUS
RUSSIAN	0400	0500	1188	ST.PETERB.	010	OND	PETERSB	RUSSIAN	1800	1900	5945	IRKUTSK	100	263	GUS
GERMAN	0500	0600	1188	ST.PETERB.	010	OND	PETERSB	ENGLISH	0500	0545	5960	WERTACHTAL	500	330	NAM
GERMAN	0600	0800	1188	ST.PETERB.	010	OND	PETERSB	PERSIAN	1800	1900	5965	KRASNODAR	200	128	ME
GERMAN	0800	1000	1188	ST.PETERB.	010	OND	PETERSB	UKRAINIAN	0530	0600	5980	WERTACHTAL	500	075	EUR
GERMAN	1000	1200	1188	ST.PETERB.	010	OND	PETERSB	RUSSIAN	1500	1600	5980	WERTACHTAL	500	045	GUS
GERMAN	1200	1400	1188	ST.PETERB.	010	OND	PETERSB	RUSSIAN	1600	1700	5980	WERTACHTAL	500	045	GUS
GERMAN	1400	1500	1188	ST.PETERB.	010	OND	PETERSB	RUSSIAN	1700	1800	5980	WERTACHTAL	500	045	GUS
RUSSIAN	1500	1600	1188	ST.PETERB.	010	OND	PETERSB	RUSSIAN	1800	1900	5980	WERTACHTAL	500	045	GUS
RUSSIAN	1600	1700	1188	ST.PETERB.	010	OND	PETERSB	RUSSIAN	1900	2000	5980	WERTACHTAL	500	045	GUS
RUSSIAN	1700	1800	1188	ST.PETERB.	010	OND	PETERSB	RUSSIAN	2000	2100	5980	WERTACHTAL	500	045	GUS
RUSSIAN	1800	1900	1188	ST.PETERB.	010	OND	PETERSB	KISUAHELI	0300	0400	6015	KIGALI	250	OND	AF
RUSSIAN	1900	2000	1188	ST.PETERB.	010	OND	PETERSB	ENGLISH	0400	0445	6015	KIGALI	250	OND	AF
RUSSIAN	2000	2100	1188	ST.PETERB.	010	OND	PETERSB	ENGLISH	0300	0345	6020	SACKVILLE	250	277	NAM
GERMAN	2100	2200	1188	ST.PETERB.	010	OND	PETERSB	RUSSIAN	0000	0100	6035	WERTACHTAL	500	045	GUS
GERMAN	2200	2300	1188	ST.PETERB.	010	OND	PETERSB	ENGLISH	0100	0145	6040	SACKVILLE	250	227	N/CAM
ARABIC	2100	2130	1350	EREVAN	999	232	ME	ENGLISH	0300	0345	6045	WERTACHTAL	500	315	NAM
SERBIAN	2100	2115	1458	FLLAKA	500	004	EUR	RUSSIAN	0400	0500	6055	WERTACHTAL	500	045	GUS
ALBANIAN	2115	2130	1458	FLLAKA	500	004	EUR	BULGARIAN	0600	0630	6045	WERTACHTAL	500	120	EUR
GERMAN	1500	1600	1512	WOLVERTEM	025	OND	SEUR	ALBANIAN	0645	0700	6045	WERTACHTAL	500	120	EUR
GERMAN	1600	1659	1512	WOLVERTEM	025	OND	SEUR	BOSNISCH	0700	0715	6045	WERTACHTAL	500	120	EUR
ENGLISH	0100	0200	1548	TRINCOMALE	400	035	SAS	SERBIAN	0715	0730	6045	WERTACHTAL	500	120	EUR
ENGLISH	0200	0245	1548	TRINCOMALE	400	035	SAS	GERMAN	0000	0200	6075	WERTACHTAL	500	OND	EUR
GERMAN	1000	1200	1548	TRINCOMALE	400	035	SAS	GERMAN	0000	0200	6075	SINES	250	040	SEUR

GERMAN	0700	0800	96000	KIGALI	002	OND	KIG	ENGLISH	1600	1700	96000	KIGALI	002	OND	KIG
ENGLISH	0800	0900	96000	KIGALI	002	OND	KIG	FRENCH	1700	1800	96000	KIGALI	002	OND	KIG
ENGLISH	0900	1000	96000	KIGALI	002	OND	KIG	GERMAN	1800	1900	96000	KIGALI	002	OND	KIG
KISUAHELII	1000	1100	96000	KIGALI	002	OND	KIG	ENGLISH	1900	2000	96000	KIGALI	002	OND	KIG
ENGLISH	1100	1200	96000	KIGALI	002	OND	KIG	ENGLISH	2000	2100	96000	KIGALI	002	OND	KIG
FRENCH	1200	1300	96000	KIGALI	002	OND	KIG	ENGLISH	2100	2200	96000	KIGALI	002	OND	KIG
GERMAN	1300	1400	96000	KIGALI	002	OND	KIG	GERMAN	2200	2300	96000	KIGALI	002	OND	KIG
GERMAN	1400	1500	96000	KIGALI	002	OND	KIG	ENGLISH	2300	0000	96000	KIGALI	002	OND	KIG
KISUAHELII	1500	1600	96000	KIGALI	002	OND	KIG								

(via Andreas Volk - ADDX via WB, 2001 Oct 8)

German Telecom - Relay stations transmissions, winter schedule B01 transmitter
Juelich, valid from 15 Oct. 2001 (1=Sun ... 7=Sat):

Freq	start	stop	ciraf	ant	azi	type	day	from	to	broad	
6120	0000	0100	7,8,9	105	295	216	1234567	281001	310302	LRT	
5975	0900	1500	28	406	60	106	1234567	281001	310302	DRM	
11795	0500	0559	47S,52	303	160	216	1234567	281001	310302	ECC	
13810	1800	1900	46,47,52	306	160	216	123456	281001	310302	ECC	
13810	1800	2130	46,47,52	306	160	216	7	281001	310302	ECC	
9430	2330	0030	49,41	110	80	217	1234567	281001	310302	DVB	
17805	1455	1530	49,41	201	70	218	1234567	281001	310302	DVB	
6045	0958	1100	27,28	401	ND	926	1	281001	310302	EVR	
6015	1830	1859	27,28	401	ND	926	4	281001	310302	EVR	an W
15715	1700	1759	38,39,48	402	145	218	146	281001	310302	SBO	an N
5985	1000	1059	27,28	104	115	206	1	281001	310302	CHW	
21590	1230	1329	41	108	90	218	1234567	281001	310302	TBC	
9405	2230	2330	37,38	405	175	141	1234567	281001	310302	IBR	
15530	1630	1659	38,47,48	402	140	218	36	281001	310302	DTK	an N
11840	1830	1859	52,53	104	145	206	5	281001	310302	RRP	
15670	1600	1659	38,47,48	402	145	218	15	281001	310302	DTK	an N
21550	0700	0759	38,47,48	106	145	217	1	281001	310302	DTK	
11840	1830	1929	47,48	104	145	206	4	281001	310302	DTK	
5925	1500	1559	27,28	401	ND	926	7	281001	310302	DTK	
15670	1700	1759	38,39,48	402	140	218	25	281001	310302	DTK	an N
6180	0900	0959	27,28	402	ND	976	7	281001	310302	DTK	
11840	1900	1959	47,48	104	145	206	6	281001	310302	DTK	
15530	1600	1629	47,48,52,53	302	160	218	1	281001	310302	UNL	F
9435	0100	0129	41	110	90	217	1	281001	310302	UNL	E
6015	1730	1759	27,28	401	ND	926	345	281001	310302	UNL	G
11840	1800	1829	46,47,48	104	145	206	1	281001	310302	UNL	E
13810	1400	1559	38,39	103	115	217	1234567	281001	310302	TOM	
6110	1325	1725	27	406	290	106	1234567	281001	310302	TOM	
9490	0357	0559	47,48,52,53	306	160	216	23456	281001	310302	RTB	
9490	0527	0559	47,48,52,53	306	160	216	17	281001	310302	RTB	
17580	0600	0812	47,48,52,53	303	160	216	23456	281001	310302	RTB	
17580	0600	1059	47,48,52,53	303	160	216	7	281001	310302	RTB	
17580	0600	0906	47,48,52,53	303	160	216	1	281001	310302	RTB	
21565	1057	1306	47,48,52,53	301	160	216	23456	281001	310302	RTB	
21565	1100	1217	47,48,52,53	301	160	216	7	281001	310302	RTB	
21565	1157	1217	47,48,52,53	301	160	216	1	281001	310302	RTB	
17570	1557	1816	47,48,52,53	303	160	216	123456	281001	310302	RTB	
17570	1657	1816	47,48,52,53	303	160	216	7	281001	310302	RTB	
21590	0700	1200	38,39	101	115	217	1234567	281001	310302	VOH	
15715	1200	1559	38,39	102	115	217	1234567	281001	310302	VOH	
15715	1600	1659	47,48	106	130	217	1234567	281001	310302	VOH	
9405	1700	2000	38,39	111	120	216	1234567	281001	310302	VOH	-115
15775	1330	1535	40,41	110	90	217	1234567	281001	310302	VOH	
5975	0700	0900	27,28	406	290	106	1234567	281001	310302	VOH	
9815	1700	1900	29,30	110	80	217	1234567	281001	310302	VOH	-75
15675	1330	1430	49,50	202	70	218	1234567	281001	310302	VOH	
11775	0400	0559	38,48,53	105	145	216	1234567	281001	310302	UMC	
9535	0400	0559	46,47,52,53	302	160	216	1234567	281001	310302	UMC	
13820	1700	1859	38,48,53	105	145	217	1234567	281001	310302	UMC	
11735	1700	1859	46,47,52,53	303	160	216	1234567	281001	310302	UMC	
13855	1600	1700	47,48	105	145	216	1234567	281001	310302	YFR	
13855	1700	1800	47,48	106	145	216	1234567	281001	310302	YFR	
13855	1800	2100	47,48,52,53	302	160	216	1234567	281001	310302	YFR	
13820	1900	2200	46	307	200	216	1234567	281001	310302	YFR	

9495	1700	1900	29,30	202	60	218	1234567	281001	310302	YFR	
11925	1900	2000	39,40	105	115	216	1234567	281001	310302	YFR	
9925	0000	0159	11-16	202	230	218	1234567	281001	310302	HRT	
9885	0000	0159	11-16	112	240	218	1234567	281001	310302	HRT	
9925	0200	0359	6-10	112	300	216	1234567	281001	310302	HRT	
9885	0200	0359	6-10	119	295	216	1234567	281001	310302	HRT	
9925	0400	0559	2-10	119	325	216	1234567	281001	310302	HRT	
9885	0400	0559	2-10	212	320	216	1234567	281001	310302	HRT	
9470	0600	0759	55,59,60	202	230	218	1234567	281001	310302	HRT	
13820	0800	0959	58,59,60	208	270	218	1234567	281001	310302	HRT	
6140	0600	1555	27,28	105	130	216	1234567	281001	310302	DWL	
6140	1555	1900	27,28	105	130	216	1234567	281001	310302	DWL	an W
6045	1127	1325	18S,27,28NW	401	ND	926	1234567	281001	310302	DWL (RNW2)	
13685	0557	0756	27,28,37-40	103	115	217	1234567	281001	310302	VRT	
5985	0757	0826	27,28	401	ND	926	1234567	281001	310302	VRT	
13710	1827	1956	27,28,37-39	103	115	217	1234567	281001	310302	VRT	
5910	1857	2056	27,28	401	ND	926	7	281001	310302	VRT	
9885	0500	0600	28,29,38,39	102	115S	217	1234567	281001	310302	AWR	
11905	0600	0730	37,38,46	307	200	216	1234567	281001	310302	AWR	
15195	1000	1100	28,38	106	145	216	17	281001	310302	AWR	
5840	1730	1759	28,29,38,39	104	115	206	123456	281001	310302	AWR	
5840	1730	1759	28,29,38,39	406	115	106	7	281001	310302	AWR	
12015	1800	1859	28,29,38,39	107	115	217	1234567	281001	310302	AWR	
11845	1900	2030	37,38,46	406	200	106	1234567	281001	310302	AWR	
13635	0555	0800	37S,38W,46	308	200	216	1234567	281001	310302	SRI	
9885	0555	0800	37S,38	302	160	216	1234567	281001	310302	SRI	
9605	1625	1815	28,38E,39	102	115	217	1234567	281001	310302	SRI	
13790	1625	1815	38,39	103	115	217	1234567	281001	310302	SRI	
9605	1825	2130	37S,38W,46	308	200	216	1234567	281001	310302	SRI	
15485	1825	2130	38,48,53	106	145	217	1234567	281001	310302	SRI	
13660	1825	2130	47,52,53,57	306	160	216	1234567	281001	310302	SRI	SOT
17665	0555	0800	47,52,53,57	301	160	216	1234567	281001	310302	SRI	SOT
21770	0825	1030	47,52,53,57	301	160	216	1234567	281001	310302	SRI	SOT
15555	1625	1815	38,39,48	106	145	217	1234567	281001	310302	SRI	SOT
9885	2155	2400	13-16	202	240	218	1234567	281001	310302	SRI	SOT
7340	1130	1200	28	111	105	216	7	281001	310302	TWR	
5945	1327	1345	28	104	130	206	1234567	281001	310302	TWR	
7315	1657	1745	28	402	110	218	7	281001	310302	TWR	an N
5960	1657	1745	28	104	115	206	7	281001	310302	TWR	
11720	1800	1829	39		115	217	56	281001	310302	FEC	250kW an

W

* changes

+ active on demand

momentary not active

an W transmitter location Wertachtal

an N transmitter location Nauen (near capital Berlin, Ed.)

AWR Adventist World Radio

CHW Christliche Wissenschaft

DTK Deutsche Telekom

DVB Democratic Voice of Burma

DWL Deutsche Welle

DLF Deutschlandfunk

DLR DeutschlandRadio

ECC Radio Ecclesia

EVR Evangeliums Radio Hamburg

HRT Hrvatska Radio Televizija

HLR Hamburger Lokalradio

IBR IBRA Radio Sweden

INF Inforadio

LRT Radio Vilnius Lithuania

MWH Missionswerk Heukelbach

RNW Radio Netherlands World Service

RRP Radio Reveil Paroles de Vie

RSU Radio Sunshine

RTB Radio Television Belge de la communaute Francaise

SBO Sagalee Bilisummaa Oromoo

SRI Swiss Radio International
 TBC Tamil Broadcasting Corporation
 TOM The Overcomer Broadcast
 TWR Trans World Radio
 UMC The United Methodist Church
 UNL Universelles Leben
 VOH High Adventure Ministries - The Voice of Hope (ex HAM)
 VRT Vlaamse Radio en Televisie (ex RVI)
 YFR WYFR Family Radio (Ralf Weyl - German Telekom, via WWDXC-HQ; Oct 15, 2001)

JORDAN: *Jordan Radio* is currently using 7155 at 1700-1830. This frequency has its own transmission for the first hour and then parallels 9830 until close down with different ID (to 9830). Recently heard 6985 still on air past 1830 carrying the same programme as heard on 9830. There was a carrier only, no audio, on 7155. When the carrier went off, 6985 also disappeared! JOR appears to have reduced transmission time on 11960 and is heard closing c0710 - one hour earlier than previously. This is co-channel with RDP Lisbon weekdays but clear Sat/Sun. (Noël Green via DXLD #1-120, 2001 Sept 3)

LIBERIA: The Liberian government has denied permission to *Radio Veritas*, the Catholic broadcaster in that country, to resume its shortwave transmissions after a technical problem forced the transmitter off the air. The Posts and Telecommunications Ministry informed Radio Veritas that only Kiss-FM, owned by Liberia's president Charles Taylor, would be allowed to transmit on shortwave. Radio Veritas is protesting the order, stating that it has paid fees to transmit on both shortwave and FM. The FM transmissions of Radio Veritas in Monrovia, the capital, continue. (Communications World # 4 August 2001, via JKB)
 Liberia's Catholic church has filed a lawsuit against the Liberia government for banning its radio station, Veritas, from returning to shortwave. On August 23rd, Liberia's president Charles Taylor said that only his own Liberia Communications Network and the Protestant evangelical ELWA could continue transmitting on shortwave. President Taylor said that operating a shortwave station in Liberia is a privilege, not a right. Veritas is on FM in Monrovia, the capital, and is ready to return to shortwave now that technical problems with the transmitter have been resolved. The Veritas station manager told Agency France Press that the station is paying fees to the Liberian government for both FM and shortwave operation. (Excerpt from Communications World, 1 September 2001, via JKB)

MISCELLANEOUS: The *European DX Council (EDXC) and WRMI* invites you to listen to a special broadcast on shortwave on December 12th, a multilingual contribution to radio history. Dec. 12, 2001 marks the centennial of the first trans-Atlantic transmission received by Guglielmo Marconi between Poldhu, Cornwall, Britain and St. John's, Newfoundland, Canada. A clear "S" Morse-coded signal reached the other coast of the Atlantic, opening the way to a new form of communications. If a DXer had been there, he would certainly have sent his reception report and, maybe, received a confirmation from the first radio-amateur in history -- the inventor of radio. The EDXC and WRMI celebrate the centennial with a special multilingual broadcast produced in Europe and transmitted to the world from America. A unique opportunity to share hobby and history.

Times & Frequencies, December 12, 2001 only:

0130-0200 UTC 9955 kHz

0330-0400 UTC 7385 kHz

1330-1400 UTC 15725 kHz

A commemorative QSL card will be issued. Reception reports may be sent to: EDXC, C.P. 18120, I-50129 Florence, ITALY or by e-mail to: marconi2001@edxc.org (WRMI via DXLD #1-127, 2001 Sept 13)

China blocks the Web sites of the Voice of America, Radio Free Asia, BBC, and other Western news organizations. This week, there was a flurry of news about a company called SafeWeb Incorporated, which is discussing with Voice of America its product called Triangle Boy, which would enable people China to get access to restricted Web sites. The stories in the New York Times and at the CNN dot com Web site, were spurred by a skillful promotional effort by Stephen Hsu, chief executive officer of Safe Web. The Voice of America is actually looking at solutions from several

companies to help Internet users in China get access to the VOA Web sites.
(Excerpt from Communications World, 1 September 2001, via JKB)

Worldspace, the international satellite radio company based in Washington, announced that the French radio station Europe One is now relayed on one of the channels of its Afristar West beam. That beam covers francophone western Africa and the Mediterranean basin. (Communications World # 11 August 2001, via JKB)

After the demise of the audio versions of Media Network on Radio Netherlands and, more recently, MediaScan on Radio Sweden, **China Radio International** has started a new weekly communications review called Wavelength, but heard only on FM in Beijing, and not on shortwave. The program is heard Fridays during the CRI broadcast at 0 to 1 UTC, and it can be heard internationally via the Web at <http://www.cri.com.cn/> (Keith Perron - CRI via DXLD via Communications World # 18 August 2001, via JKB)

Below is a list of **press agencies and news media** as found in the Internet.

News Media:

ABC <http://www.abcnews.com/>
 BBC <http://news.bbc.co.uk/>
 CBS <http://www.cbsnews.com>
 CNN <http://www.cnn.com/>
 NBC <http://www.nbc.com/>
 VOA <http://www.voanews.com/>

Agencies:

APP Associated Press of Pakistan <http://app.com.pk/>
 INA Iraqi News Agency <http://www.uruklink.net/iraqnews/eindex.htm>
 INTERFAX - Russia <http://www.interfax-news.com>
 IRNA Islamic Republic News Agency <http://www.irna.com/en/>
 ONA Oman News Agency <http://www.omannews.com/>
 PTI Press Trust of India <http://www.ptinews.com/>
 Reuters <http://www.reuters.com>
 SPA Saudi Press Agency http://www.spa.gov.sa/html/sps_eneews.htm
 (Zacharias Liangas, 24 Sep 2001 - added some news media, Ed.)

NETHERLANDS: In the event of the commencement of military action by the US-led coalition, Radio Netherlands will add additional frequencies for transmissions in Dutch. These transmissions will commence as soon as possible after the start of the military action. Details as follows:

0330-0425 UTC Flevo 9755 kHz 123 degrees to the Middle East
 0330-0425 UTC Flevo 11660 kHz 142 degrees to East Africa
 0457-0800 UTC Madagascar 21485 kHz 350 degrees to Middle East
 0457-0800 UTC Madagascar 21470 kHz 045 degrees to South Asia
 2227-2327 UTC Flevo 9895 kHz 123 degrees to the Middle East
 If necessary, The European transmission on 5955 and 9895 kHz (but not 13700kHz) will be extended to 1725 UTC instead of 1700 UTC. (RN Website via JKB, 7 Oct 2001)

Radio Netherlands Tentative Schedule valid 28th October 2001 - 31st March 2002 includes relay transmissions of other stations:

UTC	Site	kHz	Beam	kW	Language	Target
0130-0225	Sackville	6020	240	250	Dutch	C America / N America e
0130-0225	Flevo	6165	275	500	Dutch	C America
0130-0225	Bonaire	15315	170	250	Dutch	S America s
0130-0325	Bonaire	6165	275	250	Spanish	C America
0130-0325	Bonaire	9845	290	250	Spanish	Mex/Caribbean
0230-0330	Madagascar	3215	020	50	AWR	Madagascar
0300-0345	Bonaire	11985	320	250	DW English	N America w
0330-0425	Bonaire	6165	335	250	Dutch	N America c
0330-0425	Bonaire	9590	320	250	Dutch	N America w
0330-0425	Madagascar	9860	335	200	Dutch	East Africa
0330-0425	Madagascar	15560	0	200	Dutch	ME/NE Africa
0400-0456	Bonaire	11985	320	250	RVI	N America w
0430-0525	Madagascar	12060	335	200	V of Hope	East Africa (Sat only)
0430-0525	Madagascar	15320	335	200	V of Hope	East Africa (Sat only)
0430-0530	Bonaire	6165	320	250	English	N America w

0430-0530	Bonaire	9590	320	250	English	N America w
0500-0545	Bonaire	11795	320	250	DW English	N America w
0600-0657	Flevo	7125	123	500	Dutch	Centr. & SE Europe
0600-0700	Wolvertem	1512	ND	300	Dutch	C & W Europe
0600-0700	Flevo	6020	191	500	Dutch	South Europe
0600-0900	Flevo	9895	127	500	Dutch	SE Europe
0600-0700	Flevo	6020	191	500	Dutch	South Europe
0600-1800	Flevo	5955	210	500	Dutch	W Europe
0700-1800	Flevo	9895	205	500	Dutch	SW Europe
0700-0800	Bonaire	9715	230	250	Dutch	NZ/Australia
0700-0800	Bonaire	11655	230	250	Dutch	NZ/Australia
0700-0900	Flevo	11935	191	500	Dutch	South Europe
0900-0945	Madagascar	17860	245	200	DW English	South Africa
0930-1015	Bonaire	6020	110	250	Dutch	Surinam (Mon-Sat)
0930-1130	Bonaire	9790	230	250	English	NZ/Australia
0930-1130	Petropavlovsk Kamchatski	7260	244	250	English	Far East + E Asia + Aust
0930-1130	Irkutsk	12065	152	250	English	E & SE Asia/W Australia
1030-1125	Bonaire	9720	230	250	Dutch	NZ/Australia
1030-1125	Madagascar	17575	115	200	Dutch	W Australia
1030-1125	Madagascar	21480	085	200	Dutch	SE Asia
1030-1125	Khabarovsk	13820	218	100	Dutch	East Asia
1100-1125	Bonaire	15450	170	250	Spanish	S America
1130-1157	Bonaire	6020	210	250	Spanish	S America nw
1130-1157	Bonaire	9715	170	250	Spanish	S America nw
1130-1325	Sackville	5965	240	250	English	N America e
1130-1325	Juelich	6045	0	100	English	C & W Europe
1130-1325	Juelich	9860	300	125	English	Wertachtal
1130-1325	Madagascar	17580	085	200	Indonesian	Indonesia
1130-1325	Madagascar	21480	085	200	Indonesian	Indonesia
1130-1325	Singapore	11690	140	250	Indonesian	Indonesia
1200-1225	Bonaire	6020	275	250	Spanish	C America/Caribbean
1200-1225	Bonaire	9715	290	250	Spanish	C America
1330-1425	Tashkent	12070	131	100	Dutch	SE Asia/W Australia
1330-1425	Madagascar	17580	050	200	Dutch	South Asia
1330-1425	Madagascar	21480	045	200	Dutch	South Asia
1330-1425	Petropavlovsk Kamchatski	7375	244	250	Dutch	FE/E & SE Asia
1330-1425	Khabarovsk	9885	218	100	Dutch	E & SE Asia
1330-1425	Flevo	13700	095	500	Dutch	S Asia/M East/W Australia
1429-1455	Madagascar	17805	055	50	Dem. V. of Burma	SE Asia
1430-1625	Madagascar	12080	050	200	English	South Asia
1430-1625	Madagascar	15595	050	200	English	South Asia
1430-1625	Tashkent	12070	131	100	English	South Asia
1430-1625	Sackville	15220	285	250	English	N America w
1458-1525	Madagascar	17485	055	50	IBC Tamil	South Asia
1530-1630	Madagascar	3215	020	50	AWR	East Africa
1600-1800	Flevo	9895	127	500	Dutch	SE Europe/ME
1600-1800	Flevo	13700	191	500	Dutch	S Europe/W Af
1630-1725	Madagascar	6020	255	200	Dutch	South Africa
1630-1725	Madagascar	11655	335	200	Dutch	East Africa
1700-1755	Madagascar	7120	265	50	V of the People	SE Africa(Zimbabwe)
1730-2025	Madagascar	6020	255	200	English	South Africa
1730-2025	Madagascar	11655	320	500	English	East Africa
1830-1925	Flevo	11695	133	500	Dutch	ME/E Africa
1830-1925	Flevo	15315	191	500	Dutch	NW & W Africa
1830-1925	Bonaire	21590	090	250	Dutch	W Africa
1830-2025	Bonaire	17605	080	250	English	West Africa
1830-2025	Flevo	9895	187	500	English	West Africa
1830-2025	Flevo	13700	191	500	English	West Africa
1900-2000	Flevo	13645	245	500	RVI	South Africa
2000-2059	Flevo	11725	191	500	RCI French	NW & W Africa
2030-2125	Bonaire	15315	080	250	Dutch	West Africa
2030-2125	Bonaire	17605	080	250	Dutch	West Africa
2030-2125	Bonaire	21590	090	250	Dutch	C & W Africa
2030-2125	Madagascar	6020	255	200	Dutch	South Africa
2030-2125	Flevo	9895	123	500	Dutch	SE Europe
2030-2125	Flevo	9895	205	500	Dutch	NW Africa
2030-2125	Moscow	5835	270	200	Dutch	C & W Europe

2030-2125	Flevo	6015	191	500	Dutch	SW Europe
2030-2125	Madagascar	11655	305	200	Dutch	C & W Africa
2130-2225	Bonaire	6020	110	250	Dutch	Surinam
2130-2225	Bonaire	13700	350	250	Dutch	N America e
2130-2225	Bonaire	15315	182	250	Dutch	S America w
2130-2225	Flevo	11730	260	500	Dutch	S America n/Caribbean
2130-2225	Flevo	9895	290	500	Dutch	N America e
2130-2325	Wolvertem	1512	0	300	English	C & W Europe
2130-2325	Madagascar	7285	085	200	Indonesian	Indonesia
2130-2325	Madagascar	9590	075	200	Indonesian	Indonesia
2130-2325	Singapore	6120	140	250	Indonesian	Indonesia
2200-2259	Flevo	9805	191	500	RCI French	NW & W Africa
2230-2325	Bonaire	13660	350	250	RVI	N America e
2230-0125	Flevo	9895	260	500	Spanish	S America n/ Caribbean
2230-0125	Flevo	15315	170	500	Spanish	S America s
2230-2325	Bonaire	11730	170	250	Spanish	S America n
2330-0025	Madagascar	11715	055	200	Dem. V. of Burma	SE Asia
2330-0125	Bonaire	6165	335	250	English	N America c
2330-0125	Bonaire	9845	350	250	English	N America e
2330-0025	Khabarovsk	17570	218	100	Dutch	FE/E Asia
2330-0025	Madagascar	15565	085	200	Dutch	SE Asia
2330-0025	Singapore	7280	140	250	Dutch	SE Asia/W Australia
2330-0025	Madagascar	9590	075	200	Dutch	E & SE Asia

(RN Website via JKB, 7 Oct 2001)

NIGERIA: The Nigerian newspaper This Day reported Tuesday that the ***Voice of Nigeria***, external broadcaster, is planning some expansions. VON's director general Taiwo Allimi told the newspaper that broadcasts in German, as well as the Nigerian languages of Igbo and Yoruba, will be added to the present Hausa, Fulfude, Swahili, French, Arabic, and English. He also said VON bureaus will be established in South Africa, Senegal, North Africa, East Africa, London, and the United States. Mr. Allimi noted that the repair of three transmitters has improved reception, bringing listeners' letters from as far away as New Zealand. (Communications World # 4 August 2001, via JKB)

RUSSIA: A station that we know for sure is using shortwave transmitters in Russia is ***Radio Gardarika***, a Russian-language domestic commercial station in St. Petersburg. Mikhail Timofeyev of the Broadcasting Enterprise in St. Petersburg told Alokesh Gupta in India, who told me, that Radio Gardarika is using a new frequency, 7240, for its shortwave relay at 1800 to 2030 UTC. (Excerpt from Communications World, 8 September 2001, via JKB)

Radio Gardarika is on the air on SW since from February 22, 2001. Address: 192007, Sankt-Petersburg, Ligovskiy pr., 174, Radio Studio Doma Radio "Gardarika". E-mail: <studiosw@metroclub.ru>

SOUTH AFRICA: New B01 schedules for ***Channel Africa***: HF transmissions from Meyerton transmitting station effective from 28 OCTOBER 2001 TO 31 MARCH 2002. Frequencies are kilohertz; time is UTC; transmissions are every day unless otherwise indicated.

Time UTC	Freq kHz	Tx kW	Target Area	Language
CHANNEL AFRICA				
0300-0325	9685	250	East/Central Africa	Swahili
0300-0330	9525	500	East/Central Africa	English
0330-0355	9525	500	Madagascar	French
0400-0430	5955	500	Southern Africa	English
0430-0455	5955	500	Northern Mozambique	Portuguese
0430-0455	3345	100	Southern Mozambique	Portuguese
0430-0455	9525	250	Central Africa	French
0500-0530	15215	500	West Africa	English
0530-0555	15215	500	Angola	Portuguese
0600-0630	15215	500	West Africa	English
0630-0655	15215	500	Angola & West Africa	Portuguese
1300-1455	21725	250	West Africa	English *
1300-1455	17780	250	East & Central Africa	English *
1300-1455	11720	100	Southern Africa	English *
1500-1525	17780	250	East & Central Africa	Swahili

1500-1530	17770	500	East & Central Africa	English
1530-1555	17770	500	Madagascar	French
1600-1630	9525	500	Southern Africa	English
1600-1630	17860	250	East & Central Africa	Swahili
1630-1655	17860	250	East & Central Africa	French
1630-1655	9525	500	Northern Mozambique	Portuguese
1630-1655	3345	100	Southern Mozambique	Portuguese
1700-1730	17870	500	West Africa	English
1730-1755	17870	500	Angola & West Africa	Portuguese
1800-1830	17870	500	West Africa	English
1830-1855	17870	500	West Africa	French
* Saturdays and Sundays only				
RADIO SONDER GRENSE				
0500-0700	7185	100	Northern Cape, RSA	Afrikaans
0700-1620	9650	100	Northern Cape, RSA	Afrikaans
1620-0500	3320	100	Northern Cape, RSA	Afrikaans
BBC				
0300-0330	11865	500	East & Central Africa	Swahili
0300-0700	11765	250	West Africa	English
0300-0500	3255	100	Southern Africa	English
0300-0500	6190	100	Central & Southern Afr	English
0400-0430	15400	500	East & Central 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	Central & Southern Afr	English
0525-0600	15400	250	East & Central Africa	Swahili **
0700-0730	17695	500	Central Africa	French
1500-1530	21490	500	East & Central Africa	English
1530-1615	21490	500	East & Central Africa	Swahili
1615-1700	21490	500	East & Central Africa	Swahili/Engl*
1700-2200	3255	100	Southern Africa	English
1700-2200	6190	100	Central/Southern Africa	English
1700-1900	15420	250	East & Central Africa	English
1730-1745	3390	100	Southern Africa	English
1730-1745	7230	500	East & Central Africa	English
1730-1745	9525	500	Angola & West Africa	English
1745-1800	7230	500	East & Central Africa	Swahili
1800-1830	7230	250	Indian Ocean Isles	French
1900-2000	15400	500	Central Africa	English
2030-2100	3390	100	S. Mozambique	Portuguese
2030-2100	6135	250	N. Mozambique	Portuguese
2030-2100	7125	500	Angola	Portuguese
* Monday to Friday Swahili; Saturday and Sunday English				
** Saturdays and Sundays				
AFRICAN BEACON				
1800-2200	3230	100	Southern Africa	English
RADIO VLAANDEREN INTERNATIONAL				
1100-1200	17670	250	Central Africa	Dutch *
1200-1230	17670	250	Central Africa	Dutch
1900-2000	5960	250	Central Africa	Dutch
*Sundays only				
TRANS WORLD RADIO				
0330-0400	7215	250	Eritrea	1 Kunama
0330-0400	7215	250	Eritrea	2 Tigre
0330-0400	7215	250	Ethiopia	345 Oromo
0330-0400	7215	250	Ethiopia	67 Amharic
0600-0615	11640	500	Nigeria	1234567 English
1600-1630	9680	250	Burundi	1234567 Kirundi
1610-1640	11765	250	Eritrea	1234567 Tigrinya
1625-1655	9650	500	Somalia	12345 Somali
1630-1700	9680	250	Ethiopia	1 Borana
1630-1700	9680	250	Ethiopia	234567 Oromo
1657-1712	9650	500	Chad	123 Shuwa
1657-1712	9650	500	Sudan	456 Juba

1703-1718	7265	250	Mozambique 1234567	Sena
1703-1733	9535	250	Ethiopia 7	Oromo
1703-1803	9535	250	Ethiopia 123456	Amharic
1718-1733	7265	250	Mozambique 1234567	Yao
1733-1748	7265	250	Mozambique 2 7	Yao
1733-1803	9535	250	Ethiopia 7	Amharic
1830-1900	9510	500	Sahel 1234567	Fulfulde
1830-1900	9460	500	Nigeria 1234567	Hausa
1830-1900	9700	250	Ivory Coast1234567	Bambara
1900-1930	9510	500	Nigeria 1234567	Yoruba
1900-1930	9460	500	Nigeria 1234567	Kanuri
1900-1930	9700	250	Burkina Faso 5	Songhai
1900-1945	9700	250	Ivory Coast 1234 67	French
1930-1945	9700	250	Mali 5	Moore
1930-2000	9510	500	Nigeria 123456	Nupe
1930-2000	9510	500	Nigeria 7	Igbo
1945-1950	9700	250	Ivory Coast 1234567	French
2000-2015	9510	500	Ghana 1234567	Twi
2015-2030	9510	500	Ghana 67	Ewe
Day 1 = Monday, Day 2 = Tuesday ...				
UNITED NATIONS RADIO				
1700-1715	6125	100	Madagascar	French *
1700-1720	21490	500	Central Africa	French/Portuguese *
1725-1745	6125	100	Southern Africa	Portuguese/English *
* Monday to Friday				
RADIO FRANCE INTERNATIONAL				
0257-0359	7135	250	Central & East Africa	French
ADVENTIST WORLD RADIO				
0400-0430	9650	500	East and Central Africa	English
0400-0430	12080	250	East and Central Africa	Swahili
0430-0500	12080	250	East and Central Africa	English
0500-0530	5960	100	Southern Africa	English
0500-0530	6015	100	Southern Africa	English
0500-0530	15225	250	West Africa	French
0500-0530	11970	250	West Africa	Yoruba
0530-0600	15345	250	West Africa	English
0530-0600	15225	250	West Africa	Ibo
0600-0630	15225	250	West Africa	Hausa
0600-0630	15345	250	Central Africa	English
1700-1730	12130	250	East Africa	Swahili
1730-1800	12130	250	East Africa	English
1800-1830	5960	100	Southern Africa	English
1800-1830	6100	100	Southern Africa	English
1800-1830	11985	250	East Africa	English
1900-1930	17695	250	West Africa	Fulfulde
1930-2000	17695	250	West Africa	Ibo
1930-2000	15255	250	West Africa	Hausa
2000-2030	17695	250	Central Africa	English
2000-2030	15295	250	Central Africa	French
2000-2030	12105	250	West Africa	French
2030-2100	12105	250	West Africa	Yoruba
2030-2100	15295	250	Central/East Africa	English
SOUTH AFRICAN RADIO LEAGUE				
0800-0900 Sunday	9750	100	Southern Africa	English
0800-0900 Sunday	21560	250	Central Africa	English
1800-1900 Monday	3215	100	Southern Africa	English

(Kathy Otto – Sentech Terrestrial Planning, via Alokesh Gupta at EDXP-NET, updated schedule 12 October 2001)

UNITED ARAB EMIRATES: The only remaining voice from the United Arab Emirates on SW has been renamed. Today I heard **UAE Radio** with extremely strong signal on 15395 from 1555 until 1710. The station has been heard identifying itself as "Idha'at-ul Imarat min Dubai" which means "Emirates Radio from Dubai" or "Radio of the Emirates from Dubai" at 1600, 1615, 1630, 1633, 1645 and 1700. English has been heard at 1600-1615 with feature programming and news at 1630-1633 preceded and followed by arabic ID's and music. (Manfred Reiff via DXLD #1-120, 2001 Sept 3)

Adrian Peterson of **Adventist World Radio** tells, that AWR is now using the shortwave relay facility at Abu Dhabi, United Arab Emirates. Although the four transmitters at Al Dhabayya are rated at 500 kilowatts, AWR is using them at 250 kilowatts. The schedule for AWR via Abu Dhabi is:

To Africa, 3 to 330 Universal Time on 11975, Amharic. 17 to 18 on 17875, Afar and Oro. 3 to 4 on 11945, Oro and Tigrigna. 1630 to 18, 15520, Somali, Amharic, and Tigrigna. To South Asia: 1330 to 14, 15495, English. And 14 to 1430, 15385, Urdu.

Last week reported that these Abu Dhabi transmitters are now being brokered by Merlin Communications of London. **Radio Australia** is also using the Abu Dhabi facility, temporarily, for its Indonesian service at 4 to 430 Universal Time on 21780 kilohertz. This is because of maintenance at the usual site, the VOA relay at Tinian, the Mariana Islands, until August 24th. It's interesting that the same 13 meter frequency can be used from both Tinian and Abu Dhabi. (Communications World # 11 August 2001, via JKB)

USA: In the United States, all television and radio stations and larger cable systems participate in the Emergency Alert System, or EAS. This system allows the President to break into the programming of all stations to address the American people in the event of an emergency. In practice, the EAS is used for less dire emergencies, mostly by the National Weather Service to warn local areas about severe weather. Every month each station has a test of the EAS, in which an announcer says, "This is a test of the Emergency Alert System - this is only a test." The U.S. Federal Communications Commission has decided to allow stations not to conduct these tests at least until October second. This is to avoid creating fear or confusion after the September 11th terrorist attacks. Some observers wonder why the EAS was not used on September 11th, at least in New York City and Washington. For more information about the Emergency Alert System, see <http://www.fcc.gov/eb/eas/> (Excerpt from Communications World, 22 September 2001, via JKB)

Both **WJCR** transmitters damaged by water into power supplies. Off the air a while, need new final power amplifier tube. (WoR #1093 via JKB; August 22, 2001)

Final HF Seasonal Operating Frequency Schedules B01 Version 0 of the U.S. **Federal Communications Commission - FCC**, October 28, 2001 - March 31, 2002.

Freq.	Start	Stop	Call	Pow	Azm	Target Zones	Comments
3210	0700	1000	WWCR	100	46	4,9,27,28,37-39	
3215	0000	0700	WWCR	100	46	4,9,27,28,37-39	010302 310302
3215	0000	0700	WWCR	100	46	4,9,27,28,37-39	281001 301101
3215	2300	0700	WWCR	100	46	4,9,27,28,37-39	011201 280202
5070	2200	1400	WWCR	100	40	4,9,27-29	011201 280202
5070	2300	1400	WWCR	100	40	4,9,27-29	010302 310302
5070	2300	1400	WWCR	100	40	4,9,27-29	281001 301101
5085	2300	0700	WGTC	50	250	10,55,61	
5745	2000	1000	WHRI	100	42	4,5,9,17,27	
5755	0000	1400	KAIJ	100	320	2,3,34,35,45	
5810	0445	0800	WYFR	100	44	27,39	
5810	2000	2300	WYFR	100	44	27,28,39	
5825	0000	1300	WEWN	500	20	4,5,9,28	
5825	0000	1300	WEWN	500	285	10	
5850	0200	0400	WSHB	500	315	2-4	
5850	0400	0600	WSHB	500	25	27-29	
5935	0000	1400	WWCR	100	85	36-38,46-48,52,53,57	011201 280202
5935	0100	1300	WWCR	100	85	36-38,46-48,52,53,57	010302 310302
5935	0100	1300	WWCR	100	85	36-38,46-48,52,53,57	281001 301101
5950	0245	0800	WYFR	100	285	10	
5950	0945	1300	WYFR	100	355	4,5,9	
5950	2145	0600	WYFR	100	355	4,5,9	
5985	0445	0700	WYFR	100	315	2	
5985	2145	0445	WYFR	50	181	11	
6040	1000	1600	WHRI	100	42	4,5,9,17	
6065	0100	0445	WYFR	100	355	4,5,9	
6085	0945	1400	WYFR	100	181	11	
6085	2245	0100	WYFR	100	355	4,5,9	

6095	1000	1300	WSHB	500	173	11, 12, 14, 15		
6095	1000	1300	WSHB	500	25	4, 5, 9, 17		
6095	1300	1400	WSHB	500	315	2-4		
6105	0745	1100	WYFR	100	160	14		
6175	0800	1000	WYFR	100	142	15		
6890	2300	0700	WGTG	50	310	1-3		
7315	0000	1000	WHRI	100	157	10, 11		
7355	0300	0745	WYFR	100	44	27, 28, 39		
7355	1045	1245	WYFR	100	315	2		
7355	1400	1500	KNLS	100	285	43, 44, 49, 54	251101	270102
7355	1500	1600	KNLS	100	285	43, 44, 49, 54	251101	270102
7355	1600	1700	KNLS	100	285	43, 44, 49, 54	251101	270102
7355	1700	1800	KNLS	100	330	19-26, 30-35, 39, 40, 42, 43	251101	270102
7355	2300	0300	WRNO	50	20	3-5, 9-11, 27		
7365	1000	1100	KNLS	100	285	43, 44, 49, 54	251101	270102
7365	1200	1300	KNLS	100	300	43, 44, 49, 54	251101	270102
7385	0200	1000	WRMI	50	317	2, 3		
7395	0300	2300	WRNO	50	20	3-5, 9-11		
7415	2100	1100	WBCQ	50	245	10, 11		
7425	0300	1300	WEWN	500	220	10, 11		
7455	1100	1500	KTWR	100	320	42-44		
7455	1700	1800	KSDA	100	300	39, 40		
7460	2100	1400	WOCR	100	90	9, 11, 47, 52, 53	011201	280202
7460	2200	1400	WOCR	100	90	9, 11, 47, 52, 53		
7460	2200	1400	WOCR	100	90	9, 11, 47, 52, 53	010302	310302
7490	0000	2400	WJCR	50	55	9, 27		
7510	0000	1600	KTBN	100	70	3-5, 9		
7510	2200	2300	WSHB	500	57	27-29, 37		
7510	2300	2400	WSHB	500	72	27, 28, 37, 38		
7520	0045	0200	WYFR	100	44	27, 28, 39		
7520	0545	0800	WYFR	100	44	27, 28, 39		
7535	0000	0100	WSHB	500	25	4, 5, 9, 17		
7535	0000	0100	WSHB	500	173	11, 12, 14, 15		
7535	0100	0200	WSHB	500	315	2-4		
7535	0200	0300	WSHB	500	245	10, 11		
7535	0300	0400	WSHB	500	42	27-29		
7535	0400	0600	WSHB	500	25	27-29		
7535	0600	0800	WSHB	500	72	37, 46-48, 52, 53		
7535	0800	1000	WSHB	500	42	27-29		
7555	0200	0300	KJES	50	335	2, 3		
7555	0300	0330	KJES	50	20	3, 4, 9		
7580	0500	1000	WHRA	250	90	37, 38, 46-48, 52		
7580	1945	2245	WYFR	100	44	27, 28, 39		
7580	2300	0500	WHRA	250	60	27, 28, 38-40		
9320	2100	0200	WGTG	50	250	10, 55, 61		
9335	1500	0700	WBCQ	50	245	10, 11		
9355	0300	0800	WYFR	100	44	27, 28		
9355	1845	2300	WYFR	100	44	27, 28, 39		
9355	2300	0300	WEWN	500	220	10, 11		
9370	0000	2400	WTJC	50	40	4, 9		
9370	2000	2100	KSDA	100	330	43-45		
9385	1600	1800	KSDA	100	300	38-40		
9400	1300	2300	WGTG	50	250	10, 55, 61		
9430	0000	0100	WSHB	500	25	4, 5, 9, 17		
9430	0000	0100	WSHB	500	173	11, 12, 14, 15		
9430	0100	0300	WSHB	500	315	2-4		
9430	1100	1300	WSHB	500	167	10-13		
9430	1100	1145	KTWR	100	285	49		
9430	1300	1400	WSHB	500	315	2-4		
9430	1430	1515	KTWR	100	278	49		
9440	1500	1630	KTWR	100	320	42-44		
9445	2115	2200	KTWR	100	305	42-44		
9455	0900	1000	WSHB	500	137	12, 13, 15		
9455	1000	1100	WSHB	500	152	12-15		
9455	1300	1400	WSHB	500	245	10, 11		
9465	0400	0900	WMLK	125	53	27, 28, 39		

9465	1200	1300	KTWR	100	345	45		
9465	1400	1900	KFBS	100	323	30-33,42-44		
9475	1000	1100	WWCR	100	46	4,9,27,28,37-39		
9475	1400	2200	WWCR	100	90	9,11	010302	310302
9475	1400	2200	WWCR	100	90	9,11	281001	301101
9475	1400	2100	WWCR	100	90	9,11	011201	280202
9475	2100	2300	WWCR	100	46	4,9,27,28,37-39	011201	280202
9475	2200	2400	WWCR	100	46	4,9,27,28,37-39	281001	301101
9475	2200	2400	WWCR	100	46	4,9,27,28,37-39	010302	310302
9495	1000	1300	WHRI	100	157	10,11		
9495	1615	1700	KFBS	100	312	30-32,42		
9495	1800	2400	WHRI	100	157	10,11		
9505	0000	0445	WYFR	100	315	2		
9515	2000	2100	KSDA	100	330	44,45		
9525	0100	0400	WYFR	50	285	10		
9555	0800	1100	WYFR	100	160	16		
9575	0845	1200	WYFR	100	160	15		
9575	1200	1245	WYFR	50	285	10		
9585	1500	1600	KTWR	100	345	44,45	010102	310302
9605	0800	1000	WYFR	100	142	13		
9605	1100	1245	WYFR	100	222	12		
9615	0900	1000	KNLS	100	300	22-26,32-35		
9615	1000	1100	KNLS	100	285	43,44,49,54	281001	251101
9615	1000	1100	KNLS	100	285	43,44,49,54	270102	310302
9615	1100	1200	KNLS	100	300	22-26,32-35		
9615	1200	1300	KNLS	100	285	43,44,49,54	270102	310302
9615	1200	1300	KNLS	100	300	43,44,49,54	281001	251101
9615	1300	1400	KNLS	100	270	24-26,34,44,45,50,54,55	251101	270102
9615	1400	1500	KNLS	100	285	43,44,49,54	281001	251101
9615	1400	1500	KNLS	100	285	43,44,49,54	270102	310302
9615	1500	1600	KNLS	100	285	43,44,49,54	270102	310302
9615	1500	1600	KNLS	100	285	43,44,49,54	281001	251101
9615	1600	1700	KNLS	100	285	43,44,49,54	270102	310302
9615	1600	1700	KNLS	100	285	43,44,49,54	281001	251101
9615	1700	1800	KNLS	100	330	19-26,30-35,39,40,42,43	281001	251101
9615	1700	1800	KNLS	100	330	19-26,30-35,39,40,42,43	270102	310302
9680	0145	0600	WYFR	100	315	2		
9680	0845	1045	WYFR	100	140	13		
9690	0045	0200	WYFR	100	160	15		
9690	2245	0045	WYFR	100	142	13		
9705	0445	0600	WYFR	50	285	10		
9715	0400	0445	WYFR	50	285	10		
9715	2345	0100	WYFR	50	285	10		
9840	0400	0600	WSHB	500	72	37,38,46-48		
9845	0800	0900	WSHB	500	245	55,58,59		
9865	0930	1100	KTWR	100	315	42-44		
9910	0915	1100	KTWR	100	320	42-44		
9910	1300	1330	KTWR	100	315	42-44		
9910	1330	1430	KTWR	100	315	42-44	Sat	
9910	1330	1500	KTWR	100	315	42-44	Sun	
9910	1330	1445	KTWR	100	315	42-44	Mon-Fri	
9930	0800	1230	KWHR	100	300	43-45		
9930	1230	1630	KWHR	100	285	41,43,44,49		
9930	1630	2230	KWHR	100	300	43,44,49		
9955	0000	0200	WRMI	50	160	11-16		
9955	0400	0900	WMLK	125	53	27,28,39		
9955	0800	1700	KHBN	50	280	41,49		
9955	1000	1300	WRMI	50	160	10-13		
9955	2200	2400	KHBN	50	280	41,49		
9965	0700	1700	KHBN	80	318	43,44		
9965	2200	2400	KHBN	80	318	43,44		
9975	0100	0800	KVOH	50	100	10,11		
9975	1300	1500	KVOH	50	100	10,11		
9975	2200	2400	WEWN	500	285	10		
9975	2200	2400	WEWN	500	20	4,9,28		
9985	0100	0300	WYFR	100	151	15		

9985	0300	0445	WYFR	100	44	27,28,39		
9985	0445	0800	WYFR	100	87	37,46		
9985	0700	1600	KHBN	50	345	44,45		
9985	2100	2400	KHBN	50	345	44,45		
11530	2000	2300	WEWN	500	220	10,11		
11550	0345	0800	WYFR	100	44	27,28,39		
11550	1300	2000	WEWN	500	220	10S		
11550	1600	1800	KSDA	100	300	38-40		
11550	2000	2200	WSHB	500	25	9,27-29		
11560	1700	1800	KSDA	100	300	39,40		
11565	0500	1600	KWHR	100	225	51,55,56,58-60		
11565	1945	2145	WYFR	100	44	27,28,39		
11580	0345	0800	WYFR	100	87	47,52,57		
11580	0945	1615	KFBS	100	312	31,32,42-44		
11615	1400	1500	KSDA	100	300	43,44		
11625	1500	1530	KSDA	100	300	41,42		
11625	1530	1600	KSDA	100	285	41,49		
11650	0845	1100	KFBS	100	341	30,31,40-45		
11650	1100	1400	KFBS	100	323	30-33,42-45		
11660	1100	1300	WSHB	500	167	10-13		
11665	1200	1300	KTWR	100	255	49,54		
11665	1945	2245	WYFR	100	44	27,28,39		
11690	2100	2200	KTWR	100	345	45		
11705	1000	1100	KSDA	100	270	49,50		
11715	1400	1500	KJES	50	70	3,4,9		
11715	1500	1600	KJES	50	350	2,3		
11715	1600	1700	KJES	50	150	10		
11720	2100	2200	KSDA	100	315	43,44		
11720	2245	0145	WYFR	100	142	15		
11725	1045	1400	WYFR	100	222	11		
11740	0145	0500	WYFR	100	222	11		
11740	0945	1300	WYFR	100	151	15		
11740	1300	1500	WYFR	100	355	4,5,9		
11740	2145	2345	WYFR	100	315	2		
11750	2200	2315	KTWR	100	305	42-44		
11755	1300	1400	KSDA	100	345	33-35,44,45		
11765	0800	0900	KNLS	100	270	24-26,34,35,44		
11765	1100	1200	KTWR	100	345	44,45		
11765	1300	1400	KNLS	100	270	24-26,34,44,45,50,54,55	270102	310302
11765	1300	1400	KNLS	100	270	24-26,34,44,45,50,54,55	281001	251101
11770	0000	0100	KSDA	100	285	41,49		
11775	1200	1300	KSDA	100	285	49,50		
11775	2200	2300	KSDA	100	255	49,51,54		
11800	1500	1600	KSDA	100	270	41,49		
11825	0045	0300	WYFR	100	160	14		
11825	1200	1300	KSDA	100	330	44,45		
11830	1045	1700	WYFR	100	315	2		
11840	2200	2300	KTWR	100	308	43,44	Sun	
11840	2200	2245	KTWR	100	308	43,44	Mon-Fri	
11840	2200	2230	KTWR	100	308	43,44	Sat	
11850	1300	1400	KSDA	100	315	43,44		
11855	2145	0600	WYFR	100	222	11		
11875	1300	1600	WEWN	500	20	4,5,9		
11875	1300	1600	WEWN	500	285	10		
11875	2300	2400	KSDA	100	300	43,44		
11880	1400	1500	KSDA	100	285	41,49		
11885	2245	0145	WYFR	100	140	13		
11895	2300	2400	KSDA	100	330	43,44		
11900	0000	0200	WWBS	50	30	3,4,9	Sun,Sat	
11900	1000	1100	KSDA	100	315	43,44		
11900	1100	1200	KSDA	100	330	32,33,43,44		
11900	1230	1300	KTWR	100	248	54		
11900	1300	1330	KTWR	100	278	49		
11960	2100	2200	KSDA	100	315	45		
11970	1145	1345	WYFR	100	285	10		
11970	2100	2200	KSDA	100	315	43,44		

11970	2200	2300	KSDA	100	300	43,44		
11975	0000	0200	KSDA	100	315	43,44		
11975	0000	0200	KSDA	100	315	43,44		
11980	1000	1100	KSDA	100	315	43,44		
11980	1100	1200	KSDA	100	300	43,44		
11980	1600	1700	KSDA	100	285	41,49		
11980	2100	2200	KSDA	100	345	45		
12020	0400	0500	WSHB	500	72	47,48,52,53,57		
12020	0500	0600	WSHB	500	102	46,47,52,53,57		
12120	1300	1430	KFBS	100	278	43S,44S,49,50		
12130	0915	1630	KTWR	100	305	42-44		
12160	1000	1600	KHBN	80	270	41,49,50,54		
12160	1400	2300	WCCR	100	40	4,9,27-29	281001	301101
12160	1400	2300	WCCR	100	40	4,9,27-29	010302	310302
12160	1400	2200	WCCR	100	40	4,9,27-29	011201	280202
12160	2300	0500	WINB	50	242	10,11		
12170	1200	0500	WGTG	50	310	1-3		
13570	1200	2300	WINB	50	242	10,11		
13595	0000	2400	WJCR	50	270	41-44		
13615	1600	2200	WEWN	500	285	10		
13615	1600	2200	WEWN	500	20	4,5,9		
13685	1300	1400	KTWR	100	285	49		
13695	1045	1400	WYFR	100	355	4,5,9		
13695	1400	1500	WYFR	100	355	3,4,9		
13760	1600	2400	WHRI	100	42	4,5,9,17,27		
13770	2000	2200	WSHB	500	42	27-29		
13770	2200	2300	WSHB	500	57	27-29,37		
13770	2300	2400	WSHB	500	72	27,28,37,38		
13815	1400	2400	KAIJ	100	320	2,3,34,35,45		
13840	1100	1600	KHBN	50	270	41,48-50,53,54		
13845	1300	0100	WCCR	100	85	36-38,46-48,52,53,57	010302	310302
13845	1300	0100	WCCR	100	85	36-38,46-48,52,53,57	281001	301101
13845	1400	2400	WCCR	100	85	36-38,46-48,52,53,57	011201	280202
15105	1300	1800	WHRI	100	157	10,11		
15130	1245	1500	WYFR	50	285	10		
15130	2145	2245	WYFR	100	142	13		
15165	1500	1600	KSDA	100	285	41,49		
15170	2245	0045	WYFR	100	160	15		
15195	0500	0600	WSHB	500	102	46,47,52,53,57		
15195	1100	1230	KTWR	100	248	54		
15195	1500	1530	KSDA	100	300	40-42		
15195	1530	1600	KSDA	100	285	41,49		
15195	2200	2230	KTWR	100	255	54		
15195	2230	2300	KTWR	100	285	43,44		
15200	0715	0900	KTWR	100	278	49,50,54		
15200	0900	0915	KTWR	100	248	54		
15200	0900	0915	KTWR	100	248	54		
15200	0915	0930	KTWR	100	248	54		
15200	0930	1100	KTWR	100	248	54		
15215	2300	0300	WYFR	100	160	16		
15225	1200	1300	KSDA	100	270	49,50		
15225	1300	1400	KSDA	100	285	41,49		
15225	1400	1500	KSDA	100	270	41,49		
15260	1000	1100	KSDA	100	315	43,44		
15260	1100	1200	KSDA	100	255	50,54		
15265	1700	2200	WMLK	125	53	27,28,39		
15275	1600	1700	KSDA	100	270	41,49		
15285	0000	0200	WSHB	500	167	12-16		
15285	2200	2300	WSHB	500	137	12-16		
15285	2300	2400	WSHB	500	167	12-16		
15330	0815	1000	KTWR	100	165	51,55,56,58-60		
15330	1430	1630	KTWR	100	285	41,48,49		
15355	1245	1400	WYFR	100	222	12		
15375	1200	1700	WEWN	500	155	12-15		
15380	0800	1230	KFBS	100	242	49,50,54		
15380	1230	1300	KFBS	100	260	49,50,54		

15385	1900	2000	KJES	50	270	55,58,59		
15385	2000	2100	KJES	50	100	11		
15395	1000	1200	WEWN	500	155	12-15		
15395	1330	1400	KTWR	100	293	41,49		
15400	2300	0100	WYFR	100	151	15		
15420	1600	2300	WRNO	50	20	3-5,9-11,27		
15440	2145	0200	WYFR	100	285	10		
15565	1800	1945	WYFR	100	44	27,28,39		
15565	1945	2245	WYFR	100	87	37,46		
15590	1600	2400	KTBN	100	70	3-5,9		
15665	1800	2000	WSHB	500	25	5,9,27-29		
15665	2000	2200	WSHB	500	72	37,38,46-48,52,53		
15685	1100	2200	WOCR	100	46	4,9,27,28,37-39	281001	301101
15685	1100	2100	WOCR	100	46	4,9,27,28,37-39	011201	280202
15685	1100	2200	WOCR	100	46	4,9,27,28,37-39	010302	310302
15695	1300	1400	WYFR	100	44	27,28,39		
15725	0700	1100	KHBN	50	270	41,49,50,54		
15725	1100	1500	KSDA	100	315	43,44		
15725	1300	2400	WRMI	50	317	2,3		
15745	1000	1700	WEWN	500	40	27-29		
15745	1700	1000	WEWN	500	155	12-15		
17495	1300	0200	WBCQ	50	245	10,11		
17510	0000	0400	KWHR	100	300	43-45		
17510	1300	1500	WYFR	100	160	15		
17510	2230	2400	KWHR	100	285	41,43,44,49		
17575	1300	1600	WYFR	100	140	13		
17575	1945	2245	WYFR	100	140	13		
17595	1700	2400	WEWN	500	85	46		
17635	0000	0200	KSDA	100	315	43,44		
17650	1600	2300	WHRA	250	90	46-48,52,53,57		
17760	1345	1700	WYFR	100	285	10		
17760	1700	2000	WYFR	100	44	27,28,39		
17775	1500	0100	KVOH	50	100	10-12		
17780	0400	0800	KWHR	100	300	43-45		
17835	2200	2400	KSDA	100	270	49,50		
17845	2300	0045	WYFR	100	160	14		
17880	0000	0200	KSDA	100	300	43,44		
17880	2200	2400	KSDA	100	315	43,44		
18910	1600	1800	WSHB	500	72	46-48,52,53,57		
18910	1800	2000	WSHB	500	102	46-48,52,53,57		
18980	1545	1945	WYFR	100	44	27,28,39		
21455	1545	1945	WYFR	100	44	28		
21525	1545	2245	WYFR	100	87	47,52,57		
21725	1645	1845	WYFR	100	44	27,28,39		
21745	1545	1745	WYFR	100	44	28,29		

(FCC webpage updated 09-18-2001 via JKB)

VATICAN: The *Vatican Radio* agreed to move, by the end of August, its medium wave transmitter at Santa Maria di Galeria, north of Rome, to comply with stringent Italian standard on the amount of radio frequency energy that people living near broadcast transmitters can be exposed to. Fabio Colagrande at Vatican Radio gave an official Vatican statement about the power decrease on 1530 kilohertz, which is at Santa Maria di Galeria north of Rome, and about Vatican Radio's new relays via Radio Monte Carlo on 1467 kilohertz. That one-megawatt transmitter is located at Roumoules, France. Vatican Radio has hired airtime on 1467 for its programs in Hungarian, Czech, Slovak, Polish, and German. An international scientific panel has found no connection between radio-frequency emissions from the Vatican Radio transmitters at Santa Maria di Galeria, north of Rome, and leukemia rates in that area. However, the panel recommended a national study to look at rates of cancer near transmitters in Italy. The panel said that the low number of cases involved in the Vatican Radio study make the results unconvincing. Despite the panel's findings, Vatican Radio remains subject to Italy's stringent six standards for exposure to RF energy. And the station has already deactivated shortwave transmitters near the edge of the transmission site, lowered the power of its medium wave transmitter there, and moved some of its medium wave broadcasts to the Radio Monte Carlo transmitter at Roumoules, France. (Excerpts from Communications World, 1 and 8 and 22 September 2001, via JKB)

Sources & Contributors:

ADDX Assoziation deutschsprachiger DXer - Duesseldorf, Germany.
 BC-DX News Bulletin by Wolfgang W. Bueschel - Germany.
 Comm. World Communications World, hosted by Dr. Kim Andrew Elliott, VOA - USA.
 DXLD Glenn Hauser's DX LISTENING DIGEST - USA.
 EDXP-NET ELECTRONIC DX PRESS Messaging Network - Australia.
 GH Glenn Hauser - USA.
 Alokesh Gupta New Delhi - India.
 JKB Dr. Juergen Kubiak, Berlin - Germany.
 ZL Zacharias Liangas, Greece.
 OBSERVER Fortnightly edition of Radio Bulgaria's Frequency Management.
 WB Wolfgang W. Bueschel, Stuttgart - Germany.
 WoR 'World of Radio' by Glenn Hauser - USA.
 WWDXC-HQ WWDXC Headquarter, Michael Bethge

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, Toronto, Canada
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LONG & MEDIUMWAVE BANDS

Frequ.	UTC	SINPO	ITU	Radio Station	Language	Programme Details	Date	Rep.
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No logs received this month

TROPICAL BANDS

Frequ.	UTC	SINPO	ITU	Radio Station	Language	Programme Details	Date	Rep.
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3205.0	1158	34333	PNG	R. Sandaun	English	Ending ann. by woman	1609	GI
3240.0	0319	O = 2	SWZ	TWR Swaziland	Unid.	Man preaching, Engl. ID at 0330	2208	RAD
3344.8	1320	O = 3	INS	RRI Ternate	Indonesian	Local pops, female talks	0209	JY
3365.0	0201	24232	B	Radio Cultura, Araraquara	Portuguese	ID, contemporary mx in Port.	0810	ALS
3375.0	0155	24332	B	Radio Clube, Dourados	Portuguese	Port. modern mx, time check, ID	0810	ALS
3905.0	1305	O = 3	INS	RRI Merauke	Indonesian	Jakarta nx relay, radio drama	2209	JY
4606.4	1122	33332	INS	RRI Serui	Indonesian	Mx px, 1130 local nx, ID 1143	1009	IN
4649.1	2245	24232	BOL	R. Santa Ana, Santa Ana de Yacuma	Spanish	Mx px, messages	1509	ALS
4716.8	1023	24332	BOL	R. Yura	Spanish	ID at 1035	2608	IN
4716.8	2252	34332	BOL	R. Yura, Yura	Spanish	Andean instrumental mx, ann.	1509	ALS
4725.1	1150	34332	BRM	R. Myanmar	Burmese	Talk by man and woman, mx	1609	GI
4746.6	1005	34433	PRU	Radio Huanta 2000, Huanta	Quechua	Very nice huaynos	2608	ALS
4753.4	1200	O = 3	INS	RRI Makassar	Indonesian	Jakarta news relay, 1225 adv.	0109	JY
4753.4	2056	O = 2	INS	RRI Makassar	Indonesian	S/on + instrumental mx	2109	JY
4770.0	1955	25432	NIG	R. Nigeria Kaduna	Unknown	// 6089.95 (24432)	1608	HN
4777.1	1850	O = 2	INS	RRI Jakarta, Kebayoran	Indonesian	Reactivated after long absence	2109	JY
4789.0	1000	34333	INS	RRI Fak Fak	Indonesian	Mx, ID at 1000	0109	KH
4795.0	0920	44333	B	R. Difusora, Aquidauana, MT	Portuguese	Religious px conducted by man	1709	ALS
4800.0	2030	24322	LSO	Lesotho Nat. B.S.	Unknown	Could not confirm - faint signal	2408	HN
4815.0	0941	25332	B	R. Dif. Londrina	Portuguese	Talk, ID at 0944	0509	KH
4819.2	1106	24332	HND	La Voz Evangelica	Spanish	Male talk and gospel songs	1409	IN
4824.4	1000	O = 3	PRU	La Voz de la Selva	Spanish	ID, ann. by man, female vocals	1308	RAD
4826.3	1020	24322	PRU	R. Sicuani, Sicuani	Quechua/Sp.	Local nx and messages	2608	ALS
4860.0	0032	O = 3	IND	AIR Delhi	English	News, ID at 0035, Hindi vocals	2208	RAD
4874.6	1200	O = 3	INS	RRI Sorong	Indonesian	Local pops + Jakarta nx relay	0209	JY
4877.0	0930	24342	BOL	R. Cruz del Sur, La Paz	Aymara/Sp.	Full ID. relig. px in Aymara	1709	ALS
4905.0	2301	34333	B	R. Relogio Federal, Rio de Janeiro	Portuguese	Mx px, greetings, ID	1509	ALS
4914.4	1004	22322	PRU	R. Cora del Peru, Lima	Spanish	ID, Huaynos	2908	ALS
4915.0	0932	24332	B	R. Anhanguera	Portuguese	ID followed by interview	0209	IN
4925.0	1313	O = 4	INS	RRI Jambi	Indonesian	1314 full ID	2309	JY
4926.6	0950	24422	BOL	R. San Miguel, Riberalta, Beni	Spanish	Mx px, ads.	1709	ALS
4950.0	1542	24432	IND	AIR Srinagar	Unknown	ID at 1547	2408	HN
4970.0	1556	34443	IND	AIR Shillong	Unknown	Best heard stn of AIR in Japan	2408	HN
4975.1	0804	24332	PRU	R. del Pacifico, Lima	Spanish	Relig. px presented by female	0209	ALS

4980.0	0130	O = 4	VEN	Ecos del Torbes	Spanish	Lantin mx, full ID in English	0809	RAD
4991.0	0356	O = 3	SUR	R. Apintie		Rock/pop vocals, ID by man	2608	RAD
5015.1	0912	24332	B	R. Cultura, Cuiaba, MT	Portuguese	Romantic mx, ID	1009	ALS
5025.0	1110	23432	CUB	R. Rebelde	Spanish	Talk, USB mode. // /6140	2208	KH
5039.3	1004	O = 2	PRU	R. Libertad	Spanish	Long talk by man including ID	1308	RAD
5055.0	0925	33322	B	R. Difusora, Caceres, MT	Portuguese	Mx px, ID	1709	ALS

SHORTWAVE BANDS

Frequ.	UTC	SINPO	ITU	Radio Station	Language	Programme Details	Date	Rep.
5500.0	1455	34333	CLA	Vo Tigray Revolution (Clandestine)	Tigre	IS, talk // 6315 (34333)	2308	KH
5660.0	1530	33333	CLA	Vo Mojahed (clandestine) // 8830	Farsi	Talk, 10 kHz freq shifting	1509	KH
5915.0	2050	25332	ISR	Kol Israel	Arabic	Ar. song and female talk	2208	IN
5935.0	2345	35333	CLN	VoA Iranawila	English	About Israeli govern. & PLO	2109	WB
5952.4	1002	34433	BOL	R. Pio XII, Siglo XX	Spanish	ID, regional nx	1709	ALS
5975.0	1130	5---5	D	DRM Test via Juelich		Digital test to Amsterdam	1609	WB
5979.2	2331	33433	B	R. Guaruja, Florianopolis	Portuguese	Time check, romantic songs, ID	0109	ALS
5985.0	2102	44343	COG	Rdiff. TV Congolaise	French	Talk and mx, ID at 2103	1009	KH
5995.0	0600	15311	MLI	RTVM Bamako		Drums, mx	2209	WB
5995.0	2030	24332	S	R. Canada Int via Hoerby	English	Nx and Canada Today	2308	IN
6055.0	0141	55533	E	REE	English	Radio waves, "radio to all"	0909	RL
6055.0	0549	54433	E	REE	English	Radio waves, "radio to all"	0909	RL
6060.0	0935	O = 3	ARG	R. Nacional	Spanish	Nx, nice ID & ad string/promos	1308	RAD
6080.0	0909	33322	B	R. Novas de Paz	Portuguese	Talk // 9515 kHz (23332)	2908	KH
6085.0	0941	34422	BOL	R. San Gabriel, La Paz	Aymara/Sp.	ID, news px (audio distorted)	2908	ALS
6085.0	2000	34443	D	Bayerischer Rundfunk	German	ID at 2000	1908	HN
6085.2	0936	O = 2	BOL	R. San Gabriel	Aymara	Mx, talk in Aymara	1308	RAD
6090.0	0852	34334	AIA	The Caribbean Beacon, Anguilla	English	ID at 0900	2608	IN
6125.0	1025	34333	URG	SODRE, Montevideo	Spanish	Uruguayan folk mx, local ads.	3009	ALS
6130.0	1159	44333	LAO	Lao Nat. R. Laos	Lao	Pips at 1200 and ID	2608	HN
6134.8	0937	44444	BOL	R. Santa Cruz, Santa Cruz de la Sierra	Spanish	Mx, ID, ads.	1709	ALS
6135.1	0917	34333	B	R. Aparecida	Portuguese	Talk // 9630 kHz	2908	KH
6140.0	1059	33433	CUB	R. Rebelde	Spanish	Talk, ID at 1103. //5025	2208	KH
6140.0	1240	34333	URG	R. Montecarlo, Montevideo	Spanish	Mx px, ads., IDs	3009	ALS
6150.0	0906	33443	B	R. Record	Portuguese	ID at 0910	2608	IN
6155.0	1040	23232	URG	R. Sarandi del Yi, Sarandi del Yi	Spanish	Horse races, announcements	3009	ALS
6155.1	1050	O = 3	BOL	R. Fides	Spanish	ID, bank ads and political talks	1308	RAD
6170.0	0926	24332	B	R. Cultura	Portuguese	ID at 0931	2608	IN
6180.0	0932	44444	B	R. Nac. da Amazonia	Portuguese	Very strong!	2608	IN
6195.0	1545	44444	G	BBC Woofferton (1530-1615)	Pashto	//15470-THA + 17870-RMP	2309	WB
6349.6	0950	33322	PRU	R. Union, Lima	Spanish	Huaynos, ID, time check	2908	ALS
6797.5	0013	24432	PRU	R. Ondas del Rio Mayo	Spanish	Songs in Span., time ann.	2608	ALS
6816.7	2352	24322	PRU	La Voz de las Huarinjas, Huancabamba	Spanish	Peruvian songs, ann. by man	0109	ALS
6995.0	1450	34433	CLA	Vo People of Kurdistan // 4060.25	Kurdish	Kurdish mx and talk, ID 1454	1609	KH
7082.0	1530	22242	AFG	Vo Shariah	English	Hymn of Taliban, news	1809	ZL
7110.0	0426	SIO=433	TUN	RTV Tunisienne // 7275 & 12005	Arabic	Arabic vocal mx	0109	SHM
7120.0	0435	SIO=433	ASC	BBCWS Relay // 6005 and 7160	English	"This week from Africa"	0109	SHM
7165.5	1600	44444	IRN	IRIB Kamalabad	Turkish	IS, ID, hymn, nx	1609	WB
7175.0	0350	O = 2	I	Radiodue, Sicily	Italian	Carrier, IS, anthem, time pips, ID	3108	RAD
7230.0	0639	44444	G	R. Japan via Woofferton	English	Talk about mx	1307	HvG
7235.0	2031	33333	AUT	Everest Radio via Moosbrunn	Nepali	Male talk & songs, ID at 2055	1809	IN
7245.0	1645	44444	TJK	R. Tajikistan	English	News, Tajik mx	1709	ZL
7255.0	0450	SIO=444	NIG	Vo Nigeria	English	Mx, ID at 0454, anthem choir	0109	SHM
7255.0	2100	44444	NIG	Vo Nigeria	English	ID followed by talk	0709	IN
7260.0	1054	O = 3	VUT	R. Vanuatu		Romantic songs, talk, ID	1308	RAD
7260.0	1100	O = 4	THA	R. Thailand	Engl./Vietn.	E ID, 1102 Vietn. px	1308	RAD
7295.0	2050	34333	MLA	R. Malaysia. Kuala Lumpur	English	Mx px, ID at 2100, news	1709	IN
7385.0	0330	44343	USA	WRMI Florida	English	After R. Prague relay at 0300	2708	RL
7420.0	1806	44444	RUS	R. Gardarika	Russian	Mx and many ID's	1709	ZL

7470.0	2350	23222	MNG	RFA via Ulan Bataar	Tibetan	// 7550 Gava-ARM	2109	WB
7490.0	0116	O = 3	USA	WJCR	English	0210 ID, test with low power	0709	RAD
9081.0	0655	24332	ARG	R. Diez (LSB)	Spanish	Talk, ID at 0700 // 20276L	1809	KH
9370.0	0720	34333	USA	WTJC	English	Gospel songs, ID at 0730	1509	IN
9430.0	0010	33333	UZB	IBRA Radio, Tashkent	Assam	To India, QRM WSHB	2209	WB
9505.0	1710	SIO=433	J	R. Japan // 11970 (333)	English	Newscast then "44 Minutes"	2808	SHM
9515.1	0935	34433	B	R. Novas de Paz	Portuguese	Strongest LA station in 31mb	2608	IN
9550.0	1720	SIO=433	THA	VoA Relay	English	"Talk to America" // 9770&9785	2808	SHM
9560.0	0121	33443	HNG	R. Budapest	English	DX spot and DX show	1908	RL
9560.0	0126	45333	IRN	Vo Islamic Rep. of Iran	English	ID at 0130 in Spanish	2308	RL
9568.6	1750	21221	ARS	V.o. the Iraqi People, Rep. of Iraq R.	Arabic	talks //11710.32 kHz	0909	WB
9605.0	1726	SIO=333	SNG	BBC Relay	Asian lang.	Sports nx, comments, ID 1729	2808	SHM
9620.7	1225	34343	URG	SODRE, Montevideo	Spanish	"Los pueblos y su musica", ID	3009	ALS
9640.0	0445	43443	CAN	DW via Sackville	German	Classic piano mx	1009	WB
9650.0	1615	34443	URG	Emisora Ciudad de Montevideo	Spanish	Local ads, complete ID	2608	ALS
9680.0	1303	O = 3	INS	RRI Jakarta	Indonesian	Love Ambon tune	2309	JY
9690.0	1732	SIO=222	TWN	R. Taipei Int.	Chinese	Comments, chin. mx, jammed!	2808	SHM
9704.2	1458	22331	ETH	R. Ethiopia	Amharic	S/on with IS, 1459 ID	1509	KH
9725.0	0435	45444	CAN	Vo Vietnam via Sackville	Vietnamese	Vietn. lovely mx, songs	1009	WB
9735.0	2152	O = 2	OMA	R. Oman	Arabic	Romantic vocals, ID, news	3008	RAD
9737.9	0814	43443	PRG	R. Nac. del Paraguay	Spanish	S/on & opening ann., talk	0509	KH
9740.0	1735	SIO=333	SNG	BBCWS Relay	English	YL in English	2808	SHM
9760.0	2213	24332	CYP	Cyprus B.C.	Greek	ID at 2215	1808	HN
9770.0	1738	SIO=433	PHL	VoA Relay	English	Talk about Internet crimes	2808	SHM
9779.7	1610	33432	YEM	Yemen R.&TV Corp.	Arabic	Talk & Ar. mx, ID at 1629	1709	KH
9780.4	1620	34333	YEM	Yemen R. & TV Corp.	Arabic	Mx and talk, ID at 1629	2308	KH
9785.0	1743	SIO=433	CLN	VoA Relay	English	Talk about Internet crimes	2808	SHM
9795.0	0445	43443	CAN	Vo Vietnam via Sackville	Vietnamese	Commentary	2709	WB
9835.0	1746	SIO=444	J	R. Japan	Japanese	OM with interviews	2808	SHM
9865.0	1525	23222	UZB	BBC via Tashkent	Nepali	// 11685-SNG	2309	WB
9870.0	0313	53533	CZE	R. Prague	English	Arts, letter from Prague, mailbox	2708	RL
9887.0	1824	S = 5	IRQ	R. Baghdad	Arabic	Talks, sudden s/off at 1825	0809	ZL
9887.0	1840	22332	IRQ	R. Baghdad	Arabic	Ar. music, ex 9687 kHz	0909	WB
9980.0	1557	34333	BUL	R. Eurosonor	German	S/on with IS and ID, talk & pops	0209	KH
11530.0	1359	34333	CLA	Vo Mesopotamia	Kurdish	S/on, 1400 ID, talk and Kurd.mx	1709	KH
11560.0	0000	44444	KAZ	RFA via Almaty	Vietnamese	Nx // 9975-TJK	2209	WB
11680.0	0637	43333	EQA	HCJB Quito	English	Rel. px	1609	HvG
11690.0	0430	34322	CHL	Voz Christiana	Spanish	Sermon, flute mx	2709	WB
11700.0	0255	53433	BUL	R. Bulgaria	English	Folk studio, answer. your letter	1009	RL
11710.3	1800	11221	ARS	V.o. the Iraqi People, Rep. of Iraq R.	Arabic	// 9568.56, QRM KRE Sp.11710	0909	WB
11720.0	0308	O = 3	FIN	Scandinavian Weekend R.	English	Mix of talks and blues/contry mx	0109	RAD
11734.1	1513	33433	TZA	Vo Tanzania Zanzibar	Swahili	Talk, ID at 1515	1609	KH
11735.0	0900	24442	B	R. Nova Visao	Portuguese	ID at 0903	1908	IN
11785.0	0755	33333	B	R. Guaiba	Portuguese	Mx, freq. ann. and ID at 0800	0509	KH
11787.0	0440	44444	IRQ	R. Baghdad	Arabic	Phone in about Taleban	2709	WB
11787.0	1634	32332	IRQ	R. Baghdad	Arabic	Talk & Ar. mx, ID 1659 // 9887.1	1709	KH
11840.0	0200	34333	RUS	R. Sakhalin (USB)	Russian	Talk by femaile ann., local pops	2608	HO
11960.0	0810	13321	MLI	RTVM Bamako		Very weak guitar //7284.8+9635	2209	WB
11970.0	1725	34433	J	R. Japan	English	Talk about flowers	2908	HvG
12005.0	0328	SIO=333	UAE	UAE Radio	Arabic	Drama story	2408	SHM
12040.0	0320	SIO=433	UKR	R. Ukraine Int.	English	Newscast, ID at 0320	2408	SHM
12050.0	2235	SIO=333	EGY	R. Cairo	Arabic	Comments & Arabic mx	0309	SHM
12055.0	0040	SIO=232	RUS	Vatican R. via Irkutsk //9650 (222)	Hindi	IS & s/on by OM in Hindi/Engl.	2508	SHM
12065.0	2245	SIO=333	PHL	FEBC	Indonesian	Comments, vocal hymns	0309	SHM
12070.0	1719	23332	VTN	R. Vietnam	English	Programme info	2908	HvG
12095.0	0315	SIO=333	CYP	BBCWS Relay	English	Mideast newscast	2408	SHM
12095.0	2250	SIO=433	ASC	BBCWS via Ascension Relay	English	Comments on children w. AIDS	0309	SHM
12105.0	2300	SIO=433	GRC	Fona Tis Helledas // 15650	Greek	YL with ID, nx of the day	0309	SHM
12110.0	1659	44444	RUS	Netsanet R. (Ethiopian clandestine)	Amharic	S/on with ID and IS, mx and talk	1609	KH
12120.0	1932	O = 2	RUS	Clandestine Voice of Biafra (presumed)	English	Long speech by man, tribal mx	0109	RAD

12120.0	1936	S = 5	RUS	Vo Biafra Int. (clandestine)	Ibo/Engl.	Hymn, talk by man in Ibo (?), ID	0109	ZL
12125.0	1900	45444	RUS	R. Biafra Int. via Russia	Igbo & Engl.		0809	WB
12125.0	1902	54444	RUS	Vo Biafra Int. (clandestine)	English	Drums, anthem, talks	0809	ZL
12195.0	1833	S = 4	ISR	Kol Israel	Arabic	News // 9815	0809	ZL
13635.0	2235	SIO=333	ISR	Kol Israel	Hebrew	Interviews, vocal mx	1908	SHM
13635.0	2305	SIO=444	IRN	VOIR	Farsi	Comments and interviews	0309	SHM
13660.0	0910	35333	CYP	BBC Zygj (new)	Arabic	To ME 0715-1200 //17585-SKN	2609	WB
13680.0	2320	SIO=544	CUB	China R. Int. via Cuba Relay	English	Education in China + sports	0309	SHM
13680.0	2335	45544	CAN	CRI via Sackville	English	About Beijing kindergarden	2109	WB
13765.0	0635	34443	CVA	Vatican R.	English	Int. nx	2007	HvG
13800.0	2355	35333	MRA	RFA via Saipan	Chinese	// 11770 + 13755-UAE	2109	WB
15048.0	0348	45533	CTR	RFPI	English	14 th anniv. fiesta on the air	1709	RL
15110.0	2045	SIO=444	E	REE Madrid	Spanish	Comments, ID at 2049	2008	SHM
15115.0	0100	SIO=444	EQA	HCJB Quito	English	ID, newscast at 0108	1908	SHM
15120.0	2054	SIO=333	CUB	R. Habana Cuba	Spanish	News, comments, Cuban mx	2008	SHM
15150.0	1832	33333	INS	V.o. Indonesia	German	Music & ID	3108	HvG
15150.0	1856	43333	INS	V.o. Indonesia	German	Indon. mx	0909	WB
15160.0	1858	45444	NZL	R. New Zealand Int.	English	Soft pacific island mx	0909	WB
15210.0	0928	23332	CHN	R. China	English	Political talk	2107	HvG
15220.0	2220	SIO=444	ASC	R. Japan Relay	Japanese	2 OM's with pnone interviews	2208	SHM
15240.0	0620	34333	AUS	R. Australia	English	Mx, ID, jazz	0709	ZL
15260.0	0955	35333	ARM	R. Yerevan	Armenian	Schedule, frequencies	2309	WB
15275.0	2100	SIO=444	RRW	Vo Germany Relay	German	Comments on Canad. Dollar	2208	SHM
15330.0	0826	23332	GUM	TWR Agana, Guam	English	Rel. px	0309	HvG
15345.0	2154	33443	ARG	RAE Buenos Aires	Spanish	IS and ID	1009	KH
15365.0	1827	33423	UAE	World Beacon via Dabiya	English	Spiritual talks and bible reading	0809	ZL
15375.0	1409	34433	OMA	R. Sultabate of Oman	Arabic	Ar. mx and talk, ID at 1410	2208	KH
15385.0	0050	44433	E	REE	English	Radio Waves	1908	RL
15420.0	1150	5—5	POR	DRM Test via Sines		Digital test to Amsterdam	1609	WB
15450.0	1513	34333	TUN	Rdiff. TV Tunisienne	Arabic	Talk // 17735	1509	KH
15475.6	2020	25322	ATA	R. Nac. Arcangel San Gabriel	Spanish	Music and talk, ID at 2026	1109	KH
15485.0	2238	SIO=333	MRA	R. Free Asia Relay via Tinian	Chinese	Interview	2208	SHM
15500.0	2245	SIO=333	MLI	China R. Int. Relay	Chinese	OM with comments and interv.	2208	SHM
15565.0	0422	43433	ATN	RVI Belgium via Bonaire	English	Brussels Calling, Brussels 1043	1009	RL
15565.0	2251	45443	ATN	RVI Belgium via Bonaire	English	Brussels Calling, Brussels 1043	0909	RL
15665.0	1931	44434	USA	WSHB, R. Christian Science	English	Religious px	1207	HvG
15735.0	1900	45544	ARM	Vo Russia via Kamo	English	Nx, strong 500 kW signal	0909	WB
15750.0	1330	22222	PAL	New Horizon, Chan Troi Moi, Vietnam	Vietnamese	via Palau	0909	WB
15785.0	1502	35322	ISR	Galei Zahal	Hebrew	Talk, ID at 1504	1209	KH
15785.3	1000	25222	ISR	Galei Zahal	Hebrew	ISR forces strn., nx	2309	WB
15820.0	1217	35333	ARG	R. Diez (LSB)	Spanish	Talk, ID at 1228 and 1232	1109	KH
17485.0	0610	35333	ARM	RFA via Gavar (new)	Tibetan	ex 17535 kHz	2209	WB
17490.0	1118	34344	CHN	CNR2	Chinese	// 17700	1809	ZL
17519.3	0925	35333	PAK	R. Pakistan Islamabad	Urdu	Taleban Report // 21465	2609	WB
17520.0	1726	O = 3	CLA	Clandestine Sedey-e Iran (presumed)	Farsi(?)	Man talking / bubble jammer	2008	RAD
17565.0	0315	SIO=333	RUS	Vo Russia via Komsomolsk	English	Commentary on American press	2608	SHM
17585.0	0920	35333	G	BBC Skelton (new)	Arabic	To NoWeAF // 13660-CYP	2609	WB
17605.0	1102	23332	CHN	Radio CNR 1	Chinese	Talks	1207	HvG
17655.6	1020	22222	PAK	R. Pakistan Islamabad		SoAs Sce., mx //15625.07	2309	WB
17675.0	0317	45542	NZL	R. New Zealand Int.	English	Mailbox, South Pac. DX Rpt.	1309	RL
17675.0	0928	35443	RUS	DW via Samara	Farsi	Talk on Islam	2609	WB
17690.0	0405	SIO=444	RUS	Vo Russia via Petropavlovsk	English	News on oil fields, 0410 ID	0109	SHM
17720.0	1848	22332	PHL	R. Filipinas via Tinang	Filipino	E ID at 1848 //15190 & 11720	0909	WB
17725.0	1910	24222	LBY	Vo Africa, Tripolis	Arabic	Endless speech // 15435 kHz	0909	WB
17735.0	0248	SIO=333	KRE	R. Pyongyang	Spanish	YL in rapid speaking Spanish	2909	SHM
17750.0	1545	34333	G	VoA Skelton	English	Abt. airline industry	2209	WB
17760.0	0327	SIO=333	SNG	BBCWS Relay	English	Nx updates and "World Sports"	2608	SHM
17800.0	0335	SIO=333	EGY	R. Cairo	Arabic	Comments & mx	2608	SHM
17810.0	0337	SIO=444	J	R. Japan // 15195,15325,17685,17835	Japanese	Audience show	2608	SHM

17825.0	0345	SIO=544	J	R. Japan // 21610 (333)	English	"Dancing for Senior Citizens"	2608	SHM
17845.0	0355	SIO=333	J	R. Japan	Japanese	Interviews, ID 0400 then Korean	2608	SHM
17860.0	1722	34443	AFS	Channel Africa	English	Market Report	2908	HvG
17865.0	1557	55443	CAN	R.Austria Int. via Sackville	English	1552 UTC Postbox w/Murry Hall	1808	RL
17875.0	0238	SIO=444	J	R. Japan // 17810, 17845, 15195	Japanese	Comments // 1785, 17825	2908	SHM
20276.0	0753	34332	ARG	R. Rivadavia	Spanish	Talk & mx, ID at 0802	1709	KH
20276.0	2227	35443	ARG	R. Diez (LSB)	Spanish	Talk, ID at 2227	1009	KH
21455.0	0645	44433	EQA	HCJB	English	Talks and mx, spiritual songs	1809	ZL
21460.0	0500	35443	PAK	R. Pakistan Islamabad	Urdu	Pakistani mx	2709	WB
21655.0	1806	SIO=433	POR	RDP Int.	French	Interview by man	0109	SHM
21670.0	1132	44444	ARS	SABC, Saudi Arabia	Indonesian	"Acara pacaram Islam"	1809	ZL
21700.0	1804	SIO=444	E	REE // 21610 (333)	Spanish	Comments with background mx	0109	SHM
21710.0	0935	23322	AUS	TEST RA Shepparton	English	Test	2309	WB
21720.0	1740	SIO=433	SUI	Swiss R. Int.	English	"Swiss Scene", ID at 1759	0109	SHM
21740.0	1132	44343	ARS	SABC, Saudi Arabia	Indonesian	"Acara pacaram Islam"	1809	ZL
21760.0	1445	4—4	CAN	DRM Test via Sackville		Digital test to Amsterdam	1609	WB
21770.0	1030	35333	THA	VoA Udorn Thani (new) // 17735-THA	Pashto	Nx, 1045 in Dari //15225-IRA	2309	WB
21815.0	1924	35343	CTR	RFPI (SSB)	English	Continent of Media and WOR	0709	RL

Thanks a lot for your contributions:

ALS : Arnaldo L. Slaen, Argentina, SONY ICF 2010, Realistic DX-160 & GE Superradio with 15 metres long wire
 GI : Gaku Iwata, Chiba, Japan. FRG 7700 / NRD 535D, AD30, 20 metres long wire
 HN : Hiroo Nakagawa, Japan - AR-7030, NRD-535, Antenna: RF Systems T2FD
 HO : Hironao Oguma, Tokyo, Japan. SONY ICF-2001D, AOR AR7030
 HvG : Henk van Gelder, Arnhem, Netherlands. NRD 525 / ICF 2010 with AN1 Active antenna
 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
 KH : Kouji Hashimoto, Yamanashi, Japan. NRD 525, FRG 7 & RD 9830 with 35 metres long wire
 RAD : Richard A. D'Angelo, Wyomissing, USA Drake R-8B, Lowe HF-150 with RF. Window Long wire antenna.
 RL : Richard Lemke, Alberta, Canada. NRD-535HF with random long wires
 SHM : Stewart H. MacKenzie, Huntington Beach, California, USA. Kenwood R5000/Grundig Satellit 650 with 35 metres long wire.
 WB : Wolfgang Bueschel, Stuttgart, Germany - AOR AR 7030, SONY ICF 2010, Kenwood R-1000, Drake SPR-4 with 12 metres long wire.
 ZL : Zacharias Liangas, Thessalonki, Greece with Lowe HF-150, SONY ICF 7600D, Yupiteru MVT 7100

Dear Friends,

Welcome to the October issue of our Logbook. As OM Ashok Kumar Bose has mentioned already in our last issue, he has moved to Toronto, Canada, in the beginning of August. He is still busy finding a permanent job and home for his family in Toronto. Therefore I had to write again this month's logbook. Please excuse any mistakes, but please understand that I don't have the same practice to write the logbook as our regular editor.

Until further notice please send your logs either to the WWDXC postal address in Bad Homburg/Germany or to the following E-Mail address: <logbook@wwdxc.de>.

Best wishes until next month from,



Michael Bethge

The EWE in the Garden

by Michael Schnitzer, Germany

A Tropical Band Antenna with good Receiving Characteristics

The EWE-antenna is fascinating. If you have it, you will ask yourself, why you didn't happen earlier on that simple antenna form, which is very effective for DXing on the tropical bands. Since some time I tried to find an antenna, which first of all would have its maximum performance on the tropical bands. Secondly the antenna should be directive; thirdly the antenna should reduce the usual substantial noise level on the lower frequencies and should finally fit in a normal garden. The previous favorites, K9AY and Beverage, didn't come into consideration. The K9AY, by the way an advancement of the EWE, is a special MW antenna with moderate performance only on the tropical bands and the Beverage exceeds my property boundaries. The EWE-antenna now fulfills all criteria specified above.

This type of antenna was described first in the year 1995 by the American radio amateur Floyd Koontz. He developed the EWE particularly for the application on 80m and 160m. In accordance with the specification of Koontz I copied the 80m version. By the way, "Ewe" is the English word for a female sheep (just an explanation to all non English native speakers), which is pronounced like the letter "U". Koontz obviously used a phonetic similarity as designation and alluded thereby to the form of the antenna.

Construction principle

At first sight the antenna is nothing else as an inverted U of approx. 7,5 m length and with a height of three meters above the soil. These are dimensions, which fit in each average garden. One end is grounded over a resistor, the other end is attached over a core transformer (balun) to commercial coaxial cable RG 58. The main direction of reception is the end with the balun and the coax connexion. The zero point is towards the terminating resistor. Depending on space conditions one can give preference to different mounting versions. Thus e.g. length and height can be changed as well as the position of the feed-in, which can be attached likewise at the upper end of the vertical front element (bottom feed vs. top feed). You can find an illustration and other diagrams in the internet articles mentioned at the end.

A few antenna theory

The EWE resembles a simple vertical antenna system consisting of directive element and a grounded reflector, it's behavior however is completely different. The horizontal wire thereby acts as supply line between the two vertical parts and contributes insignificantly only to reception. The excellent directivity of the antenna results from three combining phenomena:

1. Due to the different feed (feed element from down and reflector element from above) a phase shift of 180 degrees results between the two elements.
2. In the reflector the antenna current is approx. 65-70% lower than in the feed element. This fact alone however would cause only one forward/back ratio of max. 8 dB.
3. At the same time the terminating resistor causes a decrease of the wave velocity in the reflector element. The higher the value of the terminating resistor is, the lower becomes the propagation speed in the reflector.

The combination of all three effects leads to the partial extinction of the signal arriving from the back and produces in this way a distinct rear zero point. One could say also, the EWE is "phasing" itself and causes therefore the excellent F/B ratio. Theoretically more than 35 dB can be achieved. According to the phenomena described above the EWE belongs to the category of the travelling wave antenna (e.g. the Beverage). In contrary to a simple vertical 2-element-antenna the EWE doesn't produce standing waves, which also explains the broad band behavior.

The terminating resistor

The value of the terminating resistor depends on several variables. The respective ground conductivity represents such an important variable. Poor ground conductivity means a fewer decrease of the wave velocity in the reflector. Therefore the value of the terminating resistor must be increased. Beyond that the resistor depends on whether the bottom feed or the top feed version is preferred. And modifications of the total dimensions of the system exert influence on the value of the terminating resistor, too. There always is to consider however that for each version the respective R-value is to be inferred either from relevant tables or

from computer calculations or however must be determined experimentally. In the last case a rear signal is tuned to maximum suppression with a suitable potentiometer. Concerning my EWE-version with 7.5 m length and 3 m height John Devoldere recommends the following data on 3.65 MHz: 1600 Ohms for poor conductivity, 975 Ohms with good ground conductivity and 700 Ohms for very good conductivity. If the EWE is bound for higher frequencies, the R-value should be decreased additionally.

In my eyes however an accurate R-value is very theoretical and cannot be fixed exactly. Practically only on mediumwave one can find a clear notch in the signal strength of a rear station by the potentiometer approach. Thus I used a rear local mediumwave station in order to determine the ideal value of the terminating resistor for maximum signal suppression. This value amounts to 922 Ohms. On shortwave however this procedure is substantially more difficult. The signals are not so stable, and a clear R-value could not be found in such a way. In practice I could observe rather an interval of R-values. Within the range of 750 up to approximately 950 Ohms I could observe a rear signal suppression from 20 to 25 dB on my EWE-version. Due to the fact that my EWE-antennas first of all are bound for DXing on the tropical bands I determined the amount of the terminating resistor - half empirically, half theoretically and intuitively - on 820 Ohms.

Construction versions

Devoldere and Koontz describe several mounting versions of the EWE. Hanging the horizontal wire on five meters height above the ground instead of three meters the antenna gain will increase 2-4 dB. Likewise the length can be changed. Further combinations result, if two EWEs are connected in parallel or in series, or if there is a cross-shaped arrangement in a quadripartite group with different switching possibilities.

East west combination

By chance I have in my garden three fruit trees exactly in a series, into the preferred DX directions east-west and accurately in the correct distance from each other. On that reason I decided to install two EWE-antennas exactly one behind the other. Thus I have now one EWE towards South America (direction 260°) and the other EWE towards Asia (direction 80°). I chose the bottom feed version, in order to can lead in the coax cable to the house exclusively in the earth. The length of the horizontal element amounts to 7,5 m and the height is three meters over the ground.

Feedpoint and balun

The antenna feedpoint impedance of the EWE varies between 300 and 700 Ohms. An impedance-matching transformer with turn ratio 3:1 (transformation 9:1) enables an adequate adjustment to the 50 Ohm coaxial cable. Naturally one can use the commercial transformers without any problems, e.g. the MLB from RF Systems. I myself preferred a self-made version, which is working very well.

Practical operation and reception results

The signal strengths: Meanwhile I often had the opportunity to compare the two EWEs to my remaining antennas, a 25m long wire and the DX-One Professional. Already at the very beginning of this chapter I would like to warn all those, who are interested exclusively in strong deflections of the receiver's S-indicator. The signal strengths produced by the EWE basically are below those of the other antenna types on all frequency ranges. Depending on the reception situation the observed signals are approx. 5-10 dB weaker. Only if the station is located exactly in the main direction of the EWE, the signal loss amounts 2-3 dB compared to long wire and DX-One. In practice however these data hardly are of relevant importance and aren't noticeable in average DX-operations. In more difficult cases I can connect a quite useful HF-amplifier, which additionally raises the signal around 7-8 dB and which so adjusts the "losses" compared to long wire and DX-One.

Another comparison should be of some interest, too. Using the neighbour's garden I temporarily established a 70m Beverage antenna with 1.20m height above the ground. This special kind of short-Beverage was directed to Indonesia, Australia and Papua New Guinea, which enabled to compare the Beverage to the Asia-EWE. All relevant tropical band frequencies of this region were tested. The EWE-Beverage comparison supplied a result quite surprising for me: Both regarding the signal strengths and regarding the noise level and the audio impression generally, these two antenna types were completely identical! Thus the 70m Beverage wire produced no better results than a 7.5m EWE antenna. Who would have thought that?

(continued in DX MAGAZINE 11/2001)