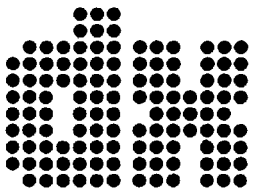


8/9 - 2000

BBC ORTF
ADIO MOSKOU
NDR RAI TVR

ISSN 0175-6877



magazine



WORLD WIDE DX CLUB



All times mentioned in this DX MAGAZINE are UTC - Alle Zeiten in diesem DX MAGAZINE sind UTC

Staff of WORLDWIDE DX CLUB:

- PRESIDENT AND CHIEF EDITOR** . . . ✉ WWDXC Headquarters, Michael Bethge, Postfach 12 14, D-61282 Bad Homburg, Germany
☎ daytime +49-6102-2861, evening/weekend +49-6172-390918
☎ +49-6102-800999
E-mail: mail@wwdxc.de • Internet: http://www.wwdxc.de
- BROADCASTING NEWS EDITOR** . . . ✉ Dr. Jürgen Kubiak, Goltzstrasse 19, D-10781 Berlin, Germany
E-Mail: j.kubiak@gmx.net
- LOGBOOK EDITOR** ✉ Eberhard Ahl, Postfach 32 01 39, D-55065 Mainz, Germany
E-mail: eamrrmc@t-online.de
- QSL CORNER EDITOR** ✉ Richard Lemke, 60 Butterfield Crescent, St. Albert, Alberta, T8N 2W7, Canada • E-Mail: herb.lemke@gov.ab.ca
- TOP NEWS EDITOR (Internet)** ✉ Wolfgang Büschel, Hoffeld, Sprollstrasse 87, D-70597 Stuttgart, Germany • E-Mail: bueschelw@wwdxc.de
- TREASURER & SECRETARY** ✉ Karin Bethge, Urseler Strasse 18, D-61348 Bad Homburg, Germany
- NEWCOMER SERVICE OF AGDX** . . . ✉ Hobby-Beratung, c/o AGDX, Postfach 11 07, D-91001 Erlangen, Germany (please enclose return postage)

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.



QSL of OM Eberhard Ahl

DEADLINE (Redaktionsschluß) for DX
MAGAZINE No. 10 is on September
21st, 2000, and for DX MAGAZINE
No. 11 on October 19th, 2000.



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



DX MAGAZINE No. 8/9 · Vol. XXXV · August/September 2000

Hello again,

Welcome to the annual summer double issue of our DX MAGAZINE. Like in the past years you will find our normal monthly sections, several articles and in addition our annual "List of Members".

I'm glad to inform you that our QSL EDITOR Richard Lemke will continue to write this section. Welcome back, Richard!

Unfortunately, however, we have still not found a new permanent LOGBOOK EDITOR. Please remember that OM Eberhard Ahl has taken over this job only for a limited period of time. Therefore we still need a volunteer for our Logbook section. If you are interested to compile our LOGBOOK in the future, please do not hesitate to contact us. We shall be pleased to inform you about all necessary details.

And now over to our usual news from other clubs and organizations: Finally the European DX Council has introduced the World Wide Web version of the **EDXC Country Landlist**. The web version is available at <http://www.swl.net/edxc/> following the publications-link. It contains practically all the same information as the printed version, and the landlists are available as .pdf -files either continent by continent or as a whole. The project has taken a lot more time as was expected, mainly due to heavy workloads (of business) of the EDXC webmaster, and also due to some software updates. The EDXC Country Landlist is maintained by Mr. Olle Alm, a very experienced Swedish DXer. The WWW layout has been created by Dr. Anton J. Kuchelmeister, who is the EDXC webmaster.

AIR - Associazione Italiana Radioascolto is pleased to inform all DXers that its new radio listening guide is ready: **Radiatorama Report 2000**. A booklet of more than 60 pages with more than 3,800 loggings (taken from Radiorama, the AIR monthly magazine) and more than 300 up-to-date station addresses, at a really special price. The listening tips are listed by country and then by frequency, with programme details and SINPO code. Printed in A-5 size and written in Italian, the guide is easy to consult and should always be kept beside your receiver, in order to check a frequency or a programme from an unidentified country. To order a copy, please send 7 IRC's to the following address: AIR - Associazione Italiana Radioascolto, "Report 2000", P.O. Box 1338, I-10100 Torino AD, Italy.

The 2000-01 edition of **The Worldwide Shortwave Listening Guide** by John A. Figliozzi is now available. It retains all the popular features of the first two editions. The 112 page book is again wire-bound, so it can lay flat on a surface without flopping closed. The 96 page main listing section provides a 24-hour guide to English language programs broadcast around the world by 75 international broadcasting services. The 7500+ listings are arranged by UTC time and include the station, days of broadcast, program title and description, as well as the target area and frequencies for each broadcast. Each program is also assigned one of thirty-six type codes to assist you in finding the programs that interest you. As with the first two editions, programs targeted to the Americas are highlighted in bold print, and there is an introductory section designed to orient the reader to the book, as well as to the basics of shortwave broadcasting and listening. An improvement that premiered with the second edition continues in the 2000-01 edition - an expanded and rearranged section providing a cross-reference for ten of the most popular types of program. Each such

list is now organized alphabetically by station and program title. A major feature added with the 2000-01 edition is an expanded section with valuable information on - and references for - Internet audio. This section includes "how to" instructions on accessing Internet audio, along with the addresses of sites for international radio broadcast stations webcasting on the Internet and information as to whether a given station webcasts "live", offers on-demand content, and webcasts via the World Radio Network. Cost: US\$15.95, Shipping and Handling: US\$ 3.95 (total \$19.90) or choose Priority Mail Shipping: US\$ 6.95 (total \$22.90). Order by mailing check or money order to: Shortwave Listening Guide, 7101 N. Ridgeway Ave., Lincolnwood, IL 60712, USA.

Die 45. **UKW-Tagung** findet am 9. und 10. September 2000 in der "Mannheimer Maimarkthalle" statt. Also wieder leicht zu finden: am Autobahnkreuz Mannheim Mitte (A 6/ A 656). Die Ausstellung und der freie Flohmarkt finden wieder in der Halle statt. Also alles im Trockenen. Ob dieses Jahr Freigelände zur Verfügung gestellt werden kann, ist noch nicht entschieden. Bitte beachten Sie die Veröffentlichungen im Internet <www.ukw-tagung.de>. Die Vorträge werden wieder im Kongresszentrum direkt neben der Ausstellungshalle gehalten.

Hobbyfreunde aus verschiedenen Klubs, z.B. ADDX und KWFR wollen vom 9. bis 12. September vom Rhein/Ruhr-Gebiet aus nach Berlin fahren, und von dort aus die Telekom-Sendestelle in Nauen und die historische Sendestelle mit Sendermuseum in Königs Wusterhausen besuchen. Außerdem sind individuelle Exkursionen in Berlin eingeplant, bzw. möglich. Der 10.9. ist "Tag des offenen Denkmals". Die Sendestelle Nauen ist gemäß direkter telefonischer Auskunft an diesem Tag für Besucher zugänglich. Die bisher recht kleine Reisegruppe kann noch Mitfahrer vertragen. Ausführliche Informationen per eMail unter <kwfr@kwfr.de> oder per Post unter: Ulrich Schnelle, KWFR e.V., Postfach 101555, D-45815 Gelsenkirchen.

Dezibel & Co. in der Funkpraxis von Frank Sichla ist ein neuer Leitfaden, der gerade im Verlag für Technik und Handwerk, Postfach 2274, D-76492 Baden-Baden, erschienen ist. Kurzwellenhörer begegnen ständig dem Begriff Dezibel: bei Empfängern und Verstärkern, bei Dämpfungsgliedern, Kabeln und Antennen, aber auch im Zusammenhang mit dem Rauschen. Was es mit diesem Begriff auf sich hat und wie man mit dB-Werten rechnet oder in diese umrechnet, erklärt der Verfasser ausführlich in diesem Buch. Preis: DM 14,00, 56 Seiten, 73 Abbildungen, Best.-Nr. 4110070 (FTB 70), ISBN 3-88180-370-X.

And with this best wishes and good DX until October from



NEWS ABOUT BROADCASTING (+other) STATIONS

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

ALASKA: At the regular meeting of their board of directors on March 18, 2000, it was decided that World Christian Broadcasting will double the capacity of **KNLS**, its shortwave station in Anchor Point, Alaska. Plans are to add another 100 kW transmitter and double the antenna array. Right now KNLS's ten hours of daily programming are divided into Russian, Chinese and English segments - five, three and two hours respectively. The second transmitter will double the number of hours of programming to 20. Along with increasing the station's variety of programming, a second transmitter also doubles the option for attracting more listeners: One transmitter will beam signals in Chinese, the other in English and Russian. (Kathy Caudill - KNLS NEWS via Michiel Schaay via BP at EDXP-ENET, 28 Jul 2000)

Please correct last published **KNLS** schedule in DXM:
1700 add 12105 (delete 11765) Russian
(KNLS website updated 19-July-2000 via JKB)

ALBANIA: List of *transmitters* from the head of the Albanian Monitoring Center.

Location	kHz	Origin,	year	kW	Antenna	Remarks
Shijak	1089	CHN	1961	150	ND	
Kashar	1359	RUS	1952	50	ND	Ceased bcing 15.06.2000 (now stand-by for 1089)
Shkoder	693	CHN	1983	50	ND	
	1323	CHN	1980	15	ND	
Kukes	648	CHN	1980	50	ND	
	990	CHN	1970	16	ND	
Korce	1260	CHN	1982	50	ND	
	621	CHN	1980	25	ND	
Gjirokaster	909	CHN	1982	50	ND	
	1305	CHN	1970	15	ND	
Sarande	864	CHN	1980	30	ND	Ceased bcing 15.05.2000
Fllake	1215	CHN	1966	500	Direct	33, 315 & 330 degrs
Fllake	1395	CHN	1968	500	Direct	4,30,33,315,330,338 degrs
Fllake	1458	CHN	1968	500	ND	

Fllake has approx 60 % efficiency, the rest 33 % due to age and poor engineering. (Drita Cico via B. Erfjord via Arctic Radio Club MV-Eko via Olle Alm via BC-DX #474, Jul 10)

ANGOLA: *Radio Ecclesia*, operated by the Catholic church in that country, had only one FM outlet in the capital Luanda. Now it can reach all of Angola because transmissions into Angola from Radio Netherlands transmitters. The schedule is 5 to 6 Universal time on 15195 via the Madagascar relay, and 19 to 20 on 15175 via Flevo, in the Netherlands. Radio Ecclesia has been an independent voice in a country where press freedom has been suppressed, and journalists harassed. (Comm. World via JKB, 22 July 2000)

Another cancellation in special broadcasts to southern Africa. Andy Sennitt of Radio Netherlands, quoted in Glenn Hauser's DX Listening Digest, announced that the relays of Angola's Radio Ecclesia via Radio Netherlands shortwave transmitters, have ended. A live feed of Radio Ecclesia is still available on the Internet. (Comm. World via JKB, 29 July 2000)

AUSTRALIA: Radio Australia is to receive an extra A\$3 million per year to enhance its transmission and online capacities in the Asia Pacific region. In making the announcement today (Tuesday 8 August), the Minister for Foreign Affairs and the Minister for Communications cited recent developments in the region, and the importance of maintaining an independent and credible voice that offered an Australian perspective. The additional funding is expected to be used to boost RA's transmission reach in the region, as well as further develop its online services. The Federal Government is also calling for proposals for the continuation of an Australian international television service for the region. It has signalled it will provide some funding for a service that contributes to advancing the national interest, as well as providing credible news, information and documentary-type programming that offers a window on Australia.

The request for proposals will be advertised in the national press soon. Details will also be available from the Department of Foreign Affairs and Trade web site (www.dfat.gov.au). The current service, Australia Television, was originally established under the auspices of the ABC before being sold to the Seven Network as a purely commercial operation. It has struggled to attract advertising and sponsorship revenue. It attracted criticism recently for selling air time to American evangelist organisations. The flagship ABC-produced Australia Television news was dropped from the schedule as a cost-cutting measure. (Matt Francis, Canberra, Australia, 8 August 2000)

BOLIVIA: *Active stations* survey.

- 3310 Radio Mosoj Chaski, Cochabamba
- 4599 Radio Emisora Villamontes, Villamontes +
- 4649 Radio Santa Ana, Santa Ana de Yacuma

4733 Radio La Palabra, Santa Ana de Yacuma
 4926 Radio San Miguel, Riberalta
 4926 Radio San Miguel, Riberalta
 4927 Radio San Miguel, Riberalta
 4940 Radio Norte, Monteros +
 6085 Radio San Gabriel, La Paz
 6106v Radio Panamericana, La Paz
 (Celio Romais in CONEXION #66, + A. Slaen, July 2000)

BRAZIL: Active stations survey.

2380 Radio Educadora, Limeira(SP)
 3205 Radio Ribeirao Preto, Ribeirao Preto(SP)
 3245 Radio Transamerica Light, Varginha(MG)
 3245 Radio Transamerica Light, Varginha(MG)
 4775 Radio Difusora Congonhas, Congonhas(MG)
 4785 Radio Brasil, Campinas(SP)
 4795 Radio Nova Difusora, Aquidauana ++
 4885 Radiodifusora Acreana, Rio Branco +
 4905 Radio Nova Relogio, Rio de Janeiro(RJ)
 4915 CBN-Anhanguera, Goiania. +
 4935 Radio Capixaba, Vitoria(ES)
 4975 Radio Mundial, San Pablo +
 5955 Radio Gazeta, San Pablo +
 5013 Radio Copacabana, Rio de Janeiro
 (Celio Romais in CONEXION #66, + A. Slaen, ++ Anker Petersen, July 2000)

CANADA: The *Canadian Broadcasting Corporation* is looking at the possibility of selling its radio and television transmission facilities to a private company or consortium. The purchaser would then lease back the transmitters to the CBC. The sale would make more CBC resources availability for programming and allow more flexibility in program delivery technologies. Does this sound familiar? BBC carried out exactly such a privatization of transmission resources a few years ago. (Comm. World via JKB, 22 July 2000)

CHILE: Voz Cristiana schedule from Santiago in Spanish. Transmitter is located at coordinates 33.64S, 70.85W. Postal address is Voz Cristiana, P.O.Box 2889, Miami, FL 33144, U.S.A.

9635 1200-2200
 11690 0100-1300
 11745 2100-1100
 15375 0000-1400
 17680 1400-2400
 21500 1100-2100
 21550 1300-0100 (Esquema de la emisora via CONEXION #66, 30 July 2000)

CHINA (Peoples Rep.): Valid English schedule of *China Radio International - CRI*. Several transmissions are not direct from China, the relay transmitter sites are not listed below. Address: China Radio International, 16a Shijingshan Rd., Beijing, China 100040. Fax: +86-10-68891582.

Internet <http://www.cri.com.cn/english/>

and email: crieng@cri.com.cn

North America (East Coast)

0300-0400 9690
 0400-0500 9730
 1300-1400 1120AM relayed by WUST or New
 World Radio

North America (West Coast)

0300-0400 9690
 0400-0500 9730
 0500-0600 9560
 1400-1600 7405

Europe

2000-2100 5965, 9535
 2100-2130 7150*
 2100-2200 5965, 9535
 2200-2300 7170

East and South Africa

1400-1600 13685, 15125
 1600-1700 7190, 9565
 1700-1800 9570, 7405, 7150, 9695*
 2000-2100 11735, 15500

2000-2100 9630, 11550 Middle East, North Africa
 Japanese
 1100-1200 7130, 11745 Japan
 1400-1500 7130, 11745 Japan
 0100-0200 11745, 15270 Japan
 Mandarin
 0415-0500
 15345 15276 Thailand, Burma, South Africa Malagasy
 11825 7130 Malaysia Vietnam West Indonesia
 5950 The west of North America, The east of North America
 9680 The middle of North America
 1215-1300
 15270 Thailand, Burma, South Africa Malagasy
 11745 Japan, Korea
 1915-2000
 9955 Middle East North Africa
 0115-0200
 11825 15215 South America
 0715-0800
 7130 Malaysia, Vietnam, West Indonesia
 0915-1000
 7445 Thailand, Burma, South Africa, Malagasy
 1150 Hong Kong, Macao, Malaysia
 11915 Vietnam, West Indonesia, East Indonesia, The Philippines
 9610 New Zealand Australia
 11745 Japan, Korea
 Cantonese (Note Local Taipei Time!)
 0900-1000 Mainland China, South America, Europe 6040, 9690, 15440, 5950, 7520
 1100-1200 Central SouthAmerica 11740
 1200-1300 New Zealand, Australia, Mainland China 7285, 15270, 11915, 9610, 6040, 9690

 1600-1700 Hong Kong, Macao 7445
 1900-2000 Southeast Asia, Mainland China 15270, 6040, 9690
 1000-1100 Mainland China 6040, 9690
 1300-1400 Southeast Asia, South America 15345, 11825, 15270, 11915, 5950, 9680
 1800-1900 Southeast Asia, New Zealand, Australia, South-Eastern Africa, Mainland
 China 7285, 15270, 11915, 9610, 6040, 9690
 2100-2200 Southeast Asia, Mainland China 9765, 15345, 6040, 9690
 0800-0900 Mainland China 6040, 9690
 1100-1200 Mainland China 6040, 9690
 1700-1800 Mainland China 6040, 9690
 2000-2100 Mainland China 6040, 9690
 Amoy (Note: Local Taipei Time!)
 0800-0900 Japan, Korea, Mainland China, The west part of North America 11550, 603,
 15440
 1200-1300 Mainland China 603
 1800-1900 Southeast Asia, Japan, Korea, Mainland China 15345, 11745, 11550, 7130, 747
 0900-1000 Mainland China 603
 1300-1400 Mainland China, Southeast Asia 11745,603
 1900-2000 Mainland China 747
 1000-1100 Southeast Asia, Mainland China 11550,603,11915
 1700-1800 Mainland China 747
 1100-1200 Southeast Asia, Mainland China 11550,7130,603,11915
 1600-1700 Mainland China 11745
 2100-2200 Southeast Asia, Japan, Korea 11745,7130,11860
 Hakka (Note: Local Taipei Time!)
 0800-0900 Southeast Asia, Mainland China, South-eastern Africa 11745, 15345, 1206
 1100-1200 Mainland China 1206
 1800-1900 Mainland China 1206
 2200-2300 Southeast Asia, South-eastern Africa, Mainland China 9765, 15345, 1206
 0900-1000 Southeast Asia, Mainland China, South-eastern Africa 11745, 15345, 1206
 1200-1300 The west of North America, Japan, Korea, Mainland China 11745, 1206

1900-2000 Southeast Asia, Mainland China, South-eastern Africa 15345, 11860, 1206
 2300-2400 New Zealand, Australia 9610
 1000-1100 Mainland China 1206
 1300-1400 Mainland China 1206
 1800-1900 Southeast Asia, Mainland China 15345,7285,1206
 2000-2100 Mainland China 1206
 Mongolian (Note: Local Taipei Time!)

1800-1900 Xinjiang, Mongolia, Tibet 11905
 1900-2000 Xinjiang, Mongolia, Tibet 11905
 2000-2100 Xinjiang, Mongolia, Tibet 11905

Korean

1300-1400 9610
 2100-2200 11550

Mandarin Program (Ed.: no hints given UTC or local Taipei Time? But it seems to be local time)

Taiwan Area

927 1800-0600
 1521 1800-0600
 747 2400-0800
 900 1200-0800
 1098 1800-0900
 3335 1700-0800

North-eastern China

11970 1000-1800
 6085 1800-0300
 9280 0800-1300

Northern China

11775 1200-1600

15320 1200-0300

900 1200-0800

1521 1800-0600

3335 1700-0800

7105 1800-0300

Central China

15125 1700-0200, 0600-1100

747 2400-0800

927 1800-0600

Southern China

6180 1200-1800

1098 1800-0900

News Network (Ed.: no hints given UTC or local Taipei Time? But it seems to be local time)

Taiwan Area

603 1800-0600
 1008 1800-0200 0600-1400
 1206 2400-0600
 1422 1400-2400 0600-1100

Northern China

7250 0600-1200 1800-0300
 9610 0600-1400

Central China

11775 1800-0300

7105 0600-1000

Southern China

9630 1800-0300

6180 1800-0300

9690 2200-0300 0600-0800

6040 2200-0300 0600-0800

11725 0600-1300 1500-2400

Voice of Asia

Mandarin

1300-1400 7285 Southern China
 1400-1500 7285 Southern China
 1500-1600 9280 Northern China
 1600-1700 9280 Northern China
 1700-1800 9280 Northern China
 1800-1900 9280 Northern China
 2100-2200 7445 585 Southeast Asia
 2200-2300 7445 585 Southeast Asia

English

1100-1200 585,7445 Southeast Asia
 1500-1600 1206 Mainland China

Indonesian

1200-1300 585, 7445, 11860 Indonesia, Malaysia
 1600-1700 585, 7445, 11745 Indonesia, Malaysia, Brunei Darussalam

Thai

1500-1600 7445, 15270, 585 Thailand
 2300-2400 7445, 15270, 585 Thailand

(CBS webpages, all updated for A00 period, via JKB)

CIS: Relay via transmitters of CIS countries on shortwave until 28.10.2000

ARMENIA				7540	2300-2000	500	RFA***
kHz	UTC	kW	Station	7540	1500-2200	500	RFA***
6145	1625-1740	100	TWR	9350	0100-0130	200	RFA
6240	0030-0100	100	TWR	9370	1600-1630	200	RFA
9365	2300-0300	500	RFA	9920	2300-2000	200	RFA
9965	2300-0200	500	VOR	9945	0100-0200	500	VOR
11510	1400-1600	500	RFA	9975	1430-1900	200	VOR
11510	1600-1900	500	VOR	9975	2330-0030	200	RFA
11565	1530-1630	100	RFA	11500	0000-0200	500	VOR
11590	1100-1400	500	RFA	11500	1300-1400	500	VOR
11875	1400-1500	500	VOA	11520	0100-0130	200	RFA
15735	1900-2300	500	VOR	11520	1800-2100	500	RFA**
17735	0600-0700	500	RFA	11530	1500-1600	200	RFA
KAZAKHSTAN				11535	1400-1500	200	RFA
9355	1530-1600	200	V00 Tue, Fri	11540	0030-0130	200	RFA
9900	2315-2400	200	VOT	13830	1100-1400	200	RFA
9920	1500-1600	200	RFA	15600	1245-1345	200	DVB
7455	2230-2330	200	RFA	15600	1430-1455	200	DVB
11520	1400-1500	200	RFA	15640	0100-0145	100	VOT*
11560	2330-0030	500	RFA	15650	1215-1300	100	VOT
13830	0000-0100	200	RFA	15680	2300-2400	500	RFA**
12075	1330-1415	200	BBC	15680	1500-2200	500	RFA**
15660	0030-0130	500	RFA	15695	0100-0300	200	RFA
15660	1100-1300	500	RFA	17495	0300-0700	500	RFA
15705	1215-1300	200	VOT	17495	0700-0900	500	VOR
MOLDOVA				17510	0600-0700	200	RFA
7125	0000-0500	500	VOR	17525	0300-0700	500	RFA
7180	0000-0500	500	VOR	* alternative 15650 kHz			
12065	1630-1830	500	VOI	** 26/03/200 - 24/09/2000			
15550	1700-1730	500	RIN	*** 25/09/2000 - 18/10/2000			
TAJIKISTAN				UZBEKISTAN			
4940	1300-1600	100	VOR	9430	0000-0030	200	TWR
4965	1300-1400	100	VOR	9860	1400-1530	200	BBC
4965	1500-1600	100	VOR	12065	1325-1425	100	RNW
4975	1300-1600	100	VOR	12065	1450-1620	100	VAT
5830	1430-1530	200	BBC	12075	1425-1625	100	RNW
5830	1615-1700	200	BBC	13745	0030-0130	200	BBC
5830	1700-1730	200	RIT	15470	1330-1400	200	IBRA
7460	1600-1630	200	RFA	17685	0800-0830	200	BBC
7530	1500-1600	200	RFA	17690	1200-1230	100	RVI
7530	1800-2100	500	RFA***				

BBC = British Broadcasting Corporation

DVB = Democratic Voice of Burma

IBRA = IBRA Radio

RFA = Radio Free Asia

RIN = Radio International (oppositional station of Iran)

RIT = Radio Iran of Tomorrow (oppositional station of Iran)

RNW = Radio Nederland Wereldomroep

RVI = Radio Vlaanderen Internationaal

TWR = Trans World Radio

VAT = Radio Vaticana

VOA = Voice of America

VOI = Voice of Iran (oppositional station of Iran)

V00 = Voice of Orthodoxy (in Russian)

VOR = Voice of Russia

VOT = Voice of Tibet

(Nikolay Rudnev in RUS-DX #85A via Anatoly Klepov via WWDXC-HQ, 2 Aug 2000)

CLANDESTINE: One brand-new clandestine service is *World Falun Dafa Radio*. It started Saturday, July 1. Daily broadcasts are at 1400-1500 on 9915 from an

undisclosed location targeted on northern and central China. Programs are produced in the USA by members of Falungong, which Chinese leaders consider a dangerous cult. Reception in North America and Europe has been difficult, and we assume it is also difficult inside China because of jamming and the sudden appearance of China National Radio program two on the same frequency. Try the website, which is in Chinese, <http://www.falundafaradio.org>. That, of course, is also blocked in China. (Comm. World via JKB, 8 July 2000)

GUAM (USA): Frequency schedule A00 valid of **KTWR - Guam**, Christian evangelical broadcaster with its headquarters in North Carolina, USA. Address: Trans World Radio, Box CC, Agana, Guam 96932, USA. Fax: +1-671-477-2838 and email ktwrfreq@twr.hafa.net.gu

Target	Language	Time (UT)	Days	Frequency/MB	
China	Swatow	1330-1400	Daily	9870/31	
	Cantonese	1400-1445	Mon-Fri	9870/31	
	Cantonese	1400-1415	Sat	9870/31	
	Cantonese	1400-1500	Sun	9870/31	
	Cantonese	2200-2245	Mon-Fri	11875/25	
	Cantonese	2200-2215	Sat	11875/25	
	Cantonese	2200-2300	Sun	11875/25	
	Mandarin	0920-1100	Daily	9540/31	
	Mandarin	0920-1130	Daily	11670/25	
	Mandarin	0930-1100	Daily	9865/31	
	Mandarin	1100-1130	Daily	9555/31	
	Mandarin	1130-1515	Daily	9820/31	
	Mandarin	1230-1400	Daily	15360/19	
	Mandarin	1300-1330	Daily	9870/31	
	Mandarin	1300-1330	Daily	11610/25	
	Mandarin	1400-1515	Daily	9545/31	
	Mandarin	2200-2315	Daily	11995/25	
	Mandarin	1130-1230	Daily	15445/19	
	Hakka	1230-1300	Daily	15290/19	
	Myanmar	Burmese	1300-1345	Mon-Fri	13685/22
Burmese		1300-1400	Sat-Sun	13685/22	
Southeast Asia	English	0730-0915	Sat-Sun	15200/19	
	English	0740-0915	Mon-Fri	15200/19	
Indonesia	Balinese	0915-0930	Fri-Tues	9865/31	
	Torajanese	0915-0930	Wed-Thu	9865/31	
	Madurese	0915-0930	Daily	15200/19	
	Javanese	1200-1230	Daily	15540/19	
	Indonesian	0930-1100	Daily	15200/19	
	Indonesian	1100-1230	Daily	15165/19	
	Indonesian	2100-2200	Daily	15195/25	
	Indonesian	2200-2230	Daily	15195/19	
Japan	Japanese	1200-1300	Daily	9465/31	
	Japanese	2100-2200	Daily	11690/25	
Korea	Korean	2100-2200	Daily	9465/31	
South Asia	Assamese	1330-1345	Mon-Tue	15545/19	
	Boro	1330-1345	Wed-Sun	15545/19	
	Santali	1345-1400	Daily	15545/19	
	Muslimi Bengali	1400-1415	Mon-Tue	15545/19	
	Tamil	1400-1415	Wed-Sun	15545/19	
	English	1430-1630	Daily	15330/19	
	South Pacific	English	0800-0930	Daily	15330/19
		Pidgin	0930-1000	Mon-Fri	15330/19
Vietnam	Vietnamese	1130-1200	Daily	9430/31	
	Vietnamese	1430-1500	Daily	9430/31	

(TWR website last-modified 17 May 2000 via JKB)

INDIA: AIR Gorakhpur 50 kW has extended its schedule as follows:

3945 0130-0300, 1330-1930

7250 0700-1140.

This includes external services in Nepali at 0130-0230 and 1330-1430 and Urdu at 1430-1930.

(Jose Jacob, India, via Bob Padula, Australia - 10 Aug 2000)

ITALY: Schedule A00 from **RAI International** valid until 29 October 2000. Postal address RADIO ROMA - RAI International - Casella Postale 320 - 00100 ROMA. (Only schedule in Italian available, for zones see image - Ed.)

Europe:

Zone	UTC	kHz					Language
G	1530	1555		7240	9670	11880	Francese
	1555	1625		7240	9670	11880	Italiano
	1805	1825	5990	7135	9530		Tedesco
	1935	1955	5970	7290	9750		Inglese
	2000	2020			9585	11740	Svedese (Lun-Mer-Ven)
	2000	2020			9585	11740	Danese (Dom-Mar-Gio)
2000	2020			9585	11740	Esperanto (Sabato)	
F	0350	0410	5975	7235	9690		Ucraino
	0445	0505	5975	7130			Lituano
	0510	0530	5975	7130			Rumeno
	0600	1300			9670	11800	Italiano
	1335	1355			9670	11920	Albanese
	1400	1415			9585	11920	Sloveno
	1415	1435			9585	11920	Tedesco
	1435	1455			9585	11920	Croato
	1500	1520			9720	11920	Turco
	1520	1540			9720	11920	Greco
	1540	1600			9720	11920	Bulgaro
	1815	1830	6110	7240			Ceco
	1830	1845	6110	7240			Slovacco
	1845	1905	6110	7240			Polacco
	1910	1930	6110	7240			Serbo
	1935	1955	6110	7240			Ungherese
2115	2135	6110	7125			Rumeno	
2135	2155	6110	7125			Ceco	
2155	2210	6110	7125			Slovacco	
2210	2225	6110	7125			Polacco	
F-L	0330	0350	5975	7235	9690		Russo
	0535	0555			9670	11800 15280	Russo
	1605	1625			9840	11920 15280	Russo
	2000	2020	6125	7190	9670		Russo
EAST- CENTRAL AFRICA, NEAR EAST							
I	0415	0435				15250 17780	Amarico
	0435	0510				15250 17780	Italiano
	0510	0530				15250 17780	Somalo
	0535	0555		9690	11880		Arabo
	0600	1300				17710 21520	Italiano

	1630	1655		9690	11880	15330		Arabo
	1700	1800				15330		Italiano
	1910	1930			11880	15330	17780	Somalo
	2025	2045	7220	9710	11880			Inglese
	2050	2110		9710	11880			Portoghese
H	1700	1800					15220/ 17660 15320	Italiano
	2050	2110					15290	Portoghese
ASIA - FAR EAST - THE PACIFIC								
M	1000	1100			11920		Australia	Italiano
L	2200	2225		9675	11900		Giappone	Inglese
NORTH - CENTRAL - SOUTH - AMERICA								
A	1400	1425					17780 21520	Italiano
	1830	1905					17780 21520	Italiano
	2230	0050	6010	9675	11800			Italiano
	0050	0110	6010	9675	11800			Inglese
	0110	0125	6010	9675	11800			Francese
	0130	0305	6010	9675	11800			Italiano
	0305	0325	6010	9675	11800			Spagnolo
B	0130	0230						Italiano
C	2230	0050		9840	11755			Italiano
	0050	0110		9840	11755			Spagnolo
	0110	0125		9840	11755			Portog.
	0130	0230	6110					Italiano
	0130	0305		9840	11755			Italiano
	0305	0325		9840	11755			Spagnolo
NORTH AFRICA AND SPAIN								
D-E	0415	0440	5975 D	7150 D				Italiano/Inglese
	1430	1455			9670 D	11890 E		Arabo
	1500	1525			9670 D	11890 E		Italiano
	1630	1655			9670 D	11910 D		Francese
	1700	1800			9670 D	11910 D		Italiano
	2025	2045	6035 D	7290 D				Arabo
	2050	2110	6035 D	7290 D				Portoghese
	2110	2130	6035 D	7290 D				Spagnolo
	2135	2155	6035 E	7290 E				Arabo

(RAI web pages last updated 10 Apr 2000 via JKB)

AWR receives permit to build a bigger voice. On 4 July 2000, the city council of Argenta in NoItaly, granted to Adventist World Radio - AWR a "long-awaited, long-prayed-for" permit to build a new SW facility to reach the ME, No/Ea/WeAF and large areas of the Asian continent. After a final technical review by AWR engineers next month, bids for construction would be let, and construction could begin soon after. It will give complete coverage in AF, ME and AS. (Adrian Peterson - AWR News Release via BC-DX #474, 11 Jul 2000)

A00 schedule for **IRRS-Shortwave**, effective March 26, 2000 - 29 Oct., 2000. IRRS-Shortwave transmitter is located at Milano, Italy 09° 11' East and 45° 27' North. Transmisson Mode is A3A = USB -6 dB reduced carrier AM compatible in the target area, use USB or sync detector for DX reception outside target area. Address: IRRS-Shortwave, PO BOX 10980, I-20110 Milano, Italy. Fax: +39-2-70638151 and email: info@nexus.org

kHz	UTC	Days	ITU Zones	Azimuth	Language
3985	0430-0600	Daily	18-19, 27-29, 37-39	non directional	English, Italian

7120	0600-0700	Mon-Fri	18-19, 27-29, 37-39	non directional	English, Italian, German
7120	0700-1500	Sat+Sun	18-19, 27-30, 37-39	non directional	English, Italian, German
3985	1700-2200	Daily	17-20, 27-30, 37-39	non directional	English, Italian, German
7120	0100-0200	Sat+Sun	17-20, 27-30, 37-39	non directional	English, German

(IRRS website last-modified 6 May 2000 via JKB)

KOREA (SOUTH): *Radio Korea International* - *RKI* Multiwave Feedback reported August 6 that from September 1, RKI will start its first broadcast using hired (as opposed to exchanged) transmitter time, via Merlin Singapore, for the Indonesian service at 2200-2300, on 9640. This is because some of the antennas at Kimjae must be dismantled, even though it has not yet been decided to implement the previously announced plan to build new antennas there. (GH at EDXP-ENET, 6 Aug 2000)

LITHUANIA: The *Lithuanian Radio* and Television Center will allocate the equivalent of 61 thousand U.S. dollars to purchase an antenna to allow direct transmissions from the Sitkanai shortwave site to the United States, beginning in October. This according to the Estonian news agency ETA. Lithuanian radio has been leasing time at the Juelich shortwave site in Germany for its North American service. Lithuania to the USA is a tough shortwave propagational path. To reach North America on shortwave, a Caribbean relay is probably the best bet.

The Voice of Russia DX Club reports that all of Lithuanian Radio's medium wave transmitters, except for the First Program or network on 666 kilohertz, have been taken out of service for financial reasons. The Baltic Wave radio service, directed to Belarus, remains on the air from Lithuania on 612 kilohertz. (Comm. World via JKB, 10 June 2000)

LIBYA: *LJB - Voice* of Africa from July 10, 1030 - 0340 on new frequency 17725 (ex 15435). No parallel frequencies. (Ivo Ivanov & Anguel Datzinov in OBSERVER #77 via WB, 16 July 2000)

MISCELLANEOUS: (see also page 3/4) The latest edition of the *Worldwide Shortwave Listening Guide*, edited by John Figliozzi, has just been published. John edits a column for Monitoring Times magazine about international radio programming. English-language international radio programming is the focus of John's reference book. The Guide lists programs directed to all parts of the world from about 100 shortwave broadcast stations. An abbreviated version of John's program schedule information "the WWW Shortwave Listening Guide" is available at the Web site of the North American Shortwave Association at <http://www.anarc.org/naswa/swlguide/> (Comm. World via JKB, 29 July 2000)

From 1944 to 1994, the Voice of America maintained a shortwave transmitting **VOA station at Bethany**, Ohio, near Cincinnati. Officials of West Chester Township, the local government jurisdiction, unveiled plans to turn the Bethany site into a recreational area. Pathways and historical gardens will align with the former antenna arrays that beamed VOA transmissions to Europe, the Middle East, and Africa during World War II and the Cold War. The building which housed the VOA transmitters is being considered as the site of a proposed museum about the Cold War and VOA's role during those years. (Comm. World via JKB, 5 August 2000)

NEW ZEALAND: *Radio New Zealand International* - *RNZI* valid schedule 3 September to 8 October, 2000. Address: P.O.Box 123, Wellington, New Zealand. Fax: 00 64 4 474 1433 and e-mail address is info@rnzi.com

UTC kHz Target

AZI Day

1650-1850 11725 NE Pacific, Samoa, Cook Islands 35' Monday to Friday
 1850-0705 17675 All Pacific 0' Monday to Friday
 1855-0705 17675 All Pacific 0' Saturday & Sunday
 0705-1105 15175 All Pacific 0' Daily
 1105-1305 17690 NW Pacific, Bougainville, East Timor, Asia 325' Daily

Bougainville/Timor Transmission beamed to the North Western Pacific and Asia. Programs at this time are for the NZ Peace keeping Troops based in Bougainville and East Timor. Usual Closedown is 1305 UTC - however for occasional over-night broadcasts to the Pacific for Cyclone Warnings our frequencies are as follows: 1305-1650 UTC 6095 kHz.

(RNZI website last-modified 9 Aug 2000 via JKB)

PAKISTAN: *Radio Pakistan* external schedule, most services have been monitored or seen reported elsewhere. Azimuth of transmission behind the slash.

0045-0115 Assami Sce, 0115-0200 Bangla Sce,

0200-0245 Hi Sce & 0245-0315 Tamil Sce all 9780/118 11645/147(x12015)
 15450*/96

0100-0215 Ur World Sce to SoEaAS 15485/118 17895/118

0330-0400 Gujarati Sce to EaAF 15725/233(x15485) 17835/233

0500-0700 Ur World Sce to Gulf & ME 15175/282 17835/282 21460/252

0800-1105 Ur World Sce to WeEUR 17525/313(x17835 due co-ch Abu Dhabi)
 21460/313 (incl En nx 0800-0805 and 1100-1105)

0900-0930 Ins Sce 15485/118 17510/120(x17660*; not 1000-1030)

1000-1030 Senhali Sce, 1030-1100 Tamil Sce,

1100-1145 Hi Sce, 1145-1215 Bangla Sce and

1215-1245 Nepali Sce all 12015/147 15625/118 17655*/96(x17665)

1200-1230 Chinese Sce on 11895/70 15465/70

1330-1530 Ur World Sce to Gulf & ME 11570/282 15100/252 17510*/300

[1300-1345 Pe 15625 17720, this is NOW RETIMED to 1700-1745]

1400-1430 Turki Sce to AFG 1260 7375/270 9390/270(not 1430-1500)

1430-1515 Ru Sce 1260 7375/313 9390/325(not 7365)

1515-1545 Dari Sce on MW 1260 and Observer-BUL says sometimes
 also 7375 9390

1600-1615 En Nx & Commt to Gulf & ME from dom sce

11570/282 15100/252 17510*/300 and to EaAF 15725/233 17720/233

1630-1700 Turkish Sce 17815*/300 15724.98/282 11645.07/282(x1700-1730)

1700-1745 Irani Sce 17815*/300 15724.98/282 11645.07/282(x1300-1345)

1700-1900 Ur World Sce to WeEUR 11569.95/313 15335.18/313

1745-1830 Ar Sce 17815* 15724.98/282 11645.07/252(x11640; x1800-1845)

1800-1900 Ur Islamabad Progr to Gulf & IRN 13590.73/260 (not 15390)

1930-2000 Fr Sce to We EUR 11569.91/313,

and to ME&NoWeAF 11640/282 (NOT heard; x15335)

Nepali sce heard on new freq 1215-1245 17655. (Klaus Lieberwirth, Jul 24)

* indicates via Karachi tx site 50 kW (NOT being heard on any freq) - others via Islamabad centre. (Noel R. Green and WB in BC-DX #476, 26-28 Jul 2000)

POLAND: *Polish Radio Warsaw* A00 external service valid to 28 Oct 2000.

POLISH

1030-1059 7285, 5995

1100-1125 7285, 7270

1530-1629 7285, 6035

2100-2159 7270, 6095, 6035

LITHUANIAN

1300-1325 6095, 6035

1500-1529 7180, 6035

RUSSIAN

1100-1129 9540, 7250

1300-1329 9540, 7285

1430-1455 7230, 6000

1800-1829 7180, 6000

1900-1925 7215, 7270, 6095, 6035

UKRAINIAN

1430-1459 7285, 6035

1500-1525 6015, 7145

1530-1555 7180, 6015

1630-1655 7180, 6035

1830-1859 7270, 7285, 6035, 6000

2030-2055 7270, 6015

CZECH

1000-1029 7285, 5995

1600-1625 7215, 6095 (except Sun)

SLOVAK

1000-1029 7285, 5995

1600-1625 7215, 6095 (Sun only)

BELARUSSIAN

1130-1155	7285, 5995	ENGLISH	
1330-1329	6035, 5995	1200-1259	11820, 9525, 7270, 6095
1630-1659	6000, 7285	1700-1759	7285, 6000
1700-1755	7180, 6035	1930-2029	9540, 7265, 7185, 6035
2030-2055	6035, 7340	GERMAN	
ESPERANTO		1130-1159	9525, 6095
1330-1355	7285, 7255	1400-1425	7285, 6095
1800-1825	7145	1800-1829	7265

(Polish Radio webpage updated 14 Jun 2000 via JKB)

RUSSIA: Another superpower **LW transmitter** has silenced, Taldom 261 (north of Moscow) was switched off on 11 July. The transmitter was listed with 2500 kW and was covering about 70% of the European part of RUS with the R. Rossii program. Radio Rossii decided no longer to finance the relay. (MIDX #172 via Bernd Trutenau vi BC-DX #474, 16 Jul 2000)

TUNISIA: New schedule of **RTT Tunis** in Arabic, effective July 10:

7110	0400-0700	Sfax 500 kW/265 deg. to NAF
7110	1900-2300	Sfax 500 kW/265 deg. to NAF
9720	0200-0500	Sfax 500 kW/100 deg. to ME - back on air
9720	1700-2100	Sfax 500 kW/100 deg. to ME - back on air
11655	1400-1900	Sfax 500 kW/265 deg. to NoAf
17735	1200-1700	Sfax 500 kW/100 deg. to ME - ex 12.00 - 14.00

DELETED FREQS:

7225	1700-2300	Sfax 500 kW/340 deg. to Eu
7275	0400-0700	Sfax 500 kW/340 deg. to Eu
11730	1400-1700	Sfax 500 kW/340 deg. to Eu

(Ivo Ivanov & Anguel Datzinov in OBSERVER #77 via WB, 16 July 2000)

USA: AFRTS on shortwave: On July 31, 2000 the Armed Forces Satellite Transmitted Radio Service (AFSTRS) went off the International Maritime Satellite (INMARSAT) system. For the past year and a half, Navy HF service from Key West Naval Air Station (NAS), Florida, and Roosevelt Roads NAS, Puerto Rico, have been transmitting the AFSTRS service, identical service land based outlets know as the "Voice Line". This has served ships in the Caribbean Sea and the waters around South America quite well

since the AFSTRS service was terminated on the INMARSAT Atlantic West satellite in 1998. We are negotiating for cooperative use of the transmitters and assignment of frequencies so the Navy HF service will also be transmitted from U.S. Navy facilities in Guam, Diego Garcia, Sicily, Iceland, and Maine. With over 100 U.S. Navy ships now equipped for Direct to Sailor (DTS) satellite television and radio service it is no longer cost-effective to continue this service on INMARSAT. However, for those ships still to have DTS equipment installed during the next year and a half and for those few Navy ships that may never have DTS equipment the HF service will help fill the gap.

Current Short-Wave High Frequencies:

Location	Band	Daytime	Nighttime
Key West, FL, USA	Upper Sideband	12689.5 kHz	12689.5 kHz
RR, Puerto Rico	Upper Sideband	6458.5 kHz	6458.5 kHz
Signonella, Sicily, Italy	Upper Sideband	4993.0 kHz	10940.5 kHz
Guam (Barrigada)	Upper Sideband	13362.0 kHz	5765.0 kHz
Diego Garcia	Upper Sideband	12579.0 kHz	4319.0 kHz
Keflavik, Iceland	Upper Sideband	10320.0 kHz	6350.0 kHz
Pearl Harbor, HI, USA	Upper Sideband	6350.0 kHz	10320.0 kHz

(AFRTS & NPR Web sites)

If you are like me, you've heard of Diego Garcia but may not remember where it is located, (or maybe you did not wish to admit you couldn't remember where it is located). With the possibility of the Armed Forces Network starting HF broadcasts from this location I set out to locate it and found my three World Atlases did not show a map location for Diego Garcia. So I consulted a couple other sources, one being the Internet. Diego Garcia is part of the

"British Indian Ocean Territory" and is considered a separate country / a "British Dependent Territory". It is located at approximately 7 minutes 18 degrees south and 72 minutes 26 degrees east, or in the Indian Ocean half way between Africa and Indonesia. According to my other source "The Cambridge Factfinder" the British Indian Ocean Territory / Chagos Archipelago, is located 1900 kilometers northeast of Mauritius. This source states there are about 2300 islands in the group comprising the Chagos Archipelago, of which Diego Garcia is a part. According to "The Cambridge Factfinder" the area was "acquired" by France in the 18th Century, "annexed" by Britain in 1814, and "bought by the Crown" in 1967. The indigenous "population working on copra plantations were resettled in Mauritius or the Seychelles between 1967 and 1973", and "construction of a naval and air base by Britain and US started on Diego Garcia, the largest island". The population? Again according to "The Cambridge Factfinder": "population total, 1982 estimate, 3000; no permanent civilian population". "The Cambridge Factfinder" (a reference book), and various Internet sources have maps indicating the major islands in the group.
(Lee Silvi, August 12, Mentor, Ohio USA)

Updated schedule of **World Beacon** in English as of July 30:

1530-1800 6145 MEY
 1600-1800 15455 SKN
 1800-2000 15585 SKN
 1800-2200 3230 MEY
 1800-2200 5925 MEY
 1800-2200 9675 RMP
 1800-2200 17665 UNID
 1900-2000 11640 UNID
 1900-2000 15425 UNID
 1900-2200 7360 ARM
 2000-2100 17735 SKN (Sat and Sun only)

(Ivo Ivanov + Anguel Datzinov in OBSERVER #79 via WB, August 1, 2000)

A00 updated operational schedule of **WSHB, Cypress Creek** SC. issued by George Jacobs & Assoc., Inc. Cypress Creek is a small community in Hampton County, South Carolina (032.41.02N 081.07.51W). WSHB began construction in December, 1987. It began broadcasting on March 27, 1989. WSHB has a 19000 SF building on 360 acres, and operates three 750-KW generators in peak load shaving with its power supplier. The station employs 9 people. WSHB uses two Brown Boveri 500KW SK 55 C3-2P Shortwave Transmitters with six antennas.

FREQ	UTC	DATES	TARGET	KW	DEG
5850	0200-0300	0326-1029	A W & C NAM	500	315
6095	1000-1300	0326-1029	ENA/CARIB	500	25
6095	1000-1300	0326-1029	ENA/CARIB	500	173
7535	0000-0100	0326-1029	A ENA/CARIB	500	25
7535	0000-0100	0326-1029	A ENA/CARIB	500	173
7535	0100-0200	0326-1029	A cNA	500	315
7535	0200-0300	0326-1029	MEXICO	500	245
7535	0300-0400	0326-0507	E.EUR/RUS	500	42
7535	0300-0400	0903-1029	E.EUR/RUS	500	42
7535	0400-0600	0326-0507	CIS/eEU	500	25
7535	0400-0600	0903-1029	CIS/eEU	500	25
9430	0000-0100	0326-1029	ENAM	500	25
9430	0000-0100	0326-1029	CARIB.	500	173
9430	0100-0300	0326-1029	C/WNAM.	500	315
9430	1300-1400	0326-1029	C.NO.AMER	500	315
9455	0900-1000	0326-1029	BRA/SAM	500	137
9455	1000-1100	0326-1029	SAM	500	152
9455	1300-1400	0326-1029	CAM&Mex	500	245
9840	0500-0600	0326-1029	S.AFR	500	102
9845	0800-0900	0326-1029	OCEANIA	500	245
9860	0800-1000	0326-1029	EU	500	42
9940	1300-1400	0326-1029	India	250	224 *
11550	1200-1300	0326-1029	China	250	300 *
11590	1100-1300	0326-1029	A c&sAM	500	167
11615	0600-0800	0326-1029	A C/W AFR	500	72
11615	0800-1000	0326-1029	A EU	500	42
11660	1100-1300	0326-1029	c&sAM	500	167

11840	1000-1100	0326-1029	No.China	250 323 *
11930	0300-0400	0507-0903	EUR	500 42
11930	0400-0600	0507-0903	EUR	500 25
13650	0600-0800	0326-1029	C/W AFR	500 72
13770	2200-2300	0326-1029	SoEur	500 57
13770	2300-2400	0326-1029	SEur-WAf	500 72
15195	0400-0500	0326-1029	AF	500 72
15285	2200-2300	0326-1029	BRAZIL	500 137
15285	2300-2400	0326-1029	c&sAM	500 167
15285	2400-0200	0326-1029	c&sAM	500 167
15665	1800-2000	0326-1029	eEU	500 25
15665	2000-2200	0326-1029	W.EUR	500 25
18910	1600-1700	0326-1029	eAF	500 72
18910	1700-1800	0326-1029	cAF	500 87
18910	1800-1900	0326-1029	SAF	500 102
18910	1900-2000	0326-1029	SAF	500 102
18910	2000-2200	0326-1029	W/C AFR	500 72

* = Relay via Taiwan

(Schedule by webpage of George Jacobs & Assoc., Inc. last-modified 3 June 2000 via JKB)

World-Wide shortwave radio stations A00 carrying **Dr. Gene Scott's** programs on the **University Network**.

Starting broadcasting schedule for Costa Rica, transmitter 1:

7375 24 hours a day

11870 24 hours a day

South to Brazil and all South America, transmitter 2:

9725 24 hours a day

North to Cuba, the USA and Canada, transmitter 3:

13750 24 hours a day

East to the Caribbean, Europe and Africa, transmitter 4:

5030 24 hours a day

North & South America, transmitter 5:

6150 24 hours a day

Northern South America and Africa via WWCN Nashville, Tennessee - USA:

5935 0100-1200

13845 1200-0100

Northern Antenna - serving the USA And Canada via KAIJ Dallas, Texas - USA:

13815 1200-0200

5755 0200-1200

Southern Antenna - serving all of Latin America via KAIJ Dallas, Texas - USA:

13740 2300-0000

Via Radio Moscow transmitters:

12065 0300-1000 via Novosibirsk

12050 1000-1600 via Novosibirsk

13645 0300-0700 via Krasnodar

17590 0700-1600 via Samara

Via Swazi Radio, Swaziland:

6155 0300-0700

1377 0300-0700

High Adventure, Mt. Hermon, Israel:

9960 & 6280 shortwave, 945 mediumwave, Dr. Scott's "Table Of The Lord"
(Communion)

The Caribbean Beacon, Anguilla, British West Indies:

690 & 1610 mediumwave,

11775 (1000-2200) and 6090 (2200-1000) shortwave.

(Dr. Gene Scott's webpage last modified: 10 May 2000, via JKB)

World Harvest Radio - WHRI operated by Evangelical broadcaster LeSea Broadcasting Inc. (relay also via WHRA and KWHR), A00 schedule valid to 29 Oct 2000. Address: PO Box 12, South Bend, Indiana 46624, USA. Fax +1-219-291-9043. Web <http://www.whri.com/> and E-mail: whri@leseas.com

UTC	FREQ	TARGET	KW	DEG
WHRI-Angel 1 (South Bend) to America:				
0000-1000	7315	SAM/CARIB	100.0	157
1000-1300	9495	sAM/CARIB	100.0	157
1300-1700	15105	sAM/CARIB	100.0	157
1700-0000	9495	sAm/Carib	100.0	157
WHRI-Angel 2 (South Bend) to Europe, M. East, Africa & America:				
1000-1500	6040	ENA	100.0	42
1500-2400	13760	eNA/EU	100.0	42
2000-1000	5745	ENA	100.0	42
KWHR-Angel-3 (Hawaii) to Asia & Australia:				
0400-1000	17780	AS	100.0	300
1000-1200	9930	SEASia	100.0	285
1200-1500	9930	China/SEA	100.0	285
1500-1800	9930	SEASia	100.0	300
1800-2200	17510	eAS	100.0	300
2200-2400	17510	eAS	100.0	285
0000-0400	17510	AS	100.0	300
KWHR-Angel 4 (Hawaii) to Asia & Australia				
0500-1045	11565	Oceania	100.0	225 (Mo-Fr)
0700-1600	11565	Oceania	100.0	225 (Sa/Sun)
WHRA-Angel-5 (Greenbush) to Middle East & Africa:				
0500-1000	11565	C&WAfr.	500.0	90
1500-2300	17650	C&WAfr.	500.0	90

(LeSea webpage last updated 16 Apr 2000 & webpage of George Jacobs & Assoc., Inc. last-modified 3 June 2000, all via JKB)

Radio Miami International - WRMI is a privately-owned commercial shortwave radio station broadcasting with 50 kW to the Caribbean, North, Central and South America on frequencies of 9955 kHz and 7385 kHz. Programs are in English, Spanish, Portuguese and other languages. All broadcasts on 9955 kHz are beamed 160 degrees to the Caribbean and Latin America, and those on 7385 kHz are beamed 317 degrees to North America. WRMI sells airtime to organizations, companies and individuals in all parts of the world. Broadcasting began with their 50 kW transmitter on 14th June 1994. Postal address: WRMI - Radio Miami International, 175 Fontainebleau Blvd., Suite 1N4, Miami, Florida 33172 USA. Tel: +1-305-559-WRMI (9764). Fax: +1-305-559-8186. E-mail: wrmi@compuserve.com. Schedule effective since June 20, 2000 (some confused sked, Ed.):

9955 kHz:

0930-1200 Mon-Fri, at Sat 1000-1300, at Sun 1130-1700

2300-0030 Mon-Fri, at Sat 1900-0130
at Sun 2000-0200

7385 kHz:

0030-0930, 1200, 1400 Mon-Fri. At Sat and Sun 0200-0615(Sat)/0700(Sun)

px Highlights:

daily: Radio Prague 0200 Sp, 0230 Cz, 0300 E

Sat: 2030 Polish Radio E, 2100 Wavescan E

Sun: 2130 Wavescan E (WRMI webpage last-modified 23 Jun 2000 via JKB)

World Wide Christian Radio - WWCR has four 100 kW state-of-the-art transmitters which serve the world on 10 different broadcasting channels. Together our transmitters provide over 400 religious and talk programs direct from Nashville, Tennessee to a global audience. Updated A00 Summer Schedule 1 Sep 00 until 28 Oct 00:

Transmitter #1 - 100 KW - 46 Degrees

FREQ	TIME (UTC)
7435	0900-1000
9475	1000-1100
15685	1100-2200
9475	2200-0000
3215	0000-0400
*3210	0400-0900

Note: **3.215/3.210 frequency change is at 0405 UTC Monday through Friday and at 0400 Saturday and Sunday.

Transmitter #2 - 100 KW - 85 Degrees

13845 1200-0100

5935 0100-1200

Transmitter #3 - 100 KW - 40 Degrees

12160 1300-2300

5070 2300-1300

Transmitter #4 - 100 KW - 90 Degrees

7435 1100-1300

9475 1300-2200

7435 2200-0500

2390 0500-1100 (WWCR website last-modified 3 Jun 2000 via JKB)

WBCQ - The Planet is a 50 kW shortwave radio station that serves North America, the Caribbean and most of South America on 7415 kHz 2000-1000 and 9330 kHz 1600-0600, antenna direction 245 degrees. Valid until 29 Oct 2000. QSL cards will be provided for verified reception reports mailed to: WBCQ, 97 High Street, Kennebunk, ME 04043 USA. Please include a self-addressed stamped envelope within the USA or 1 IRC from overseas. (WBCQ & George Jacobs & Assoc., Inc. - websites via JKB, Aug 2000)

In Chicago, all-news radio station **WMAQ** will end broadcasting August first, with its 670 kilohertz AM frequency going to sports-talk WSCR. Robert Feder of the Chicago Sun-Times newspaper says WMAQ is the oldest set of call letters on Chicago radio. WMAQ was for many years owned by the NBC network. WSCR is presently on 1160 kilohertz, which has a limited signal at night. WMAQ 670 is a full-time 50,000 watt station heard at night over much of the eastern two-thirds of the United States. Robert Feder says the 1160 kilohertz frequency will be sold, with a Spanish-language broadcaster as one potential buyer. The end of WMAQ will leave only one all-news station in Chicago, **WBBM, 780 AM**. (Comm. World via JKB, 15 July 2000)

National Public Radio - NPR, the largest noncommercial radio network in the United States, recently asked World Radio Network to remove **China Radio International - CRI** from its all-night feed of international radio services heard on NPR stations. NPR Vice President for Programming Bill Davis told Current, a journal of public broadcasting, that NPR was concerned that some of CRI's content did not meet Western standards of journalistic balance, accuracy, and fairness. NPR had added CRI programs to its WRN-produced all-night service in April. At that time, NPR President Kevin Klose called the CRI programs 'an important addition' to the NPR all-night lineup. China Radio International and other foreign stations that might not meet NPR's criteria still have potential broadcast outlets in the United States, if they are willing to spend the money. CRI English programming is still heard in the Washington area every weekday morning at nine o'clock on **WUST, 1120** kilohertz AM. Another station that plans to feature international and ethnic programming has just taken over the 1390 kilohertz slot in Washington. (Comm. World via JKB, 15 July 2000)

VIETNAM: Changes to report to the national domestic services of **Voice of Vietnam**, first noted 13 July:

1st Program: 5975, 7210, 9530 (5975 & 9530 replace 5970 & 7115)

2nd Program: 5925, 6020, also 0150v-1000 only on 9875 (9875 replaces 7285)

Some frequencies carry minority language programming at times. 9875 used to carry the 1st Program until mid-March 2000. Radio Thailand's new domestic service in English is now in the clear for most of the day on 7115.

(Alan Davies via EDXP-ENET, 14 Jul 2000)

Voice of Vietnam - VOV international daily programs for A00 period. Postal address: Radio The Voice of Vietnam, 58 - Quan Su street, Hanoi - Vietnam. Please note new Fax: (844)8261122 and Email: qhqt.vov@hn.vnn.vn address!

WWW-URL <http://www.vov.org.vn/>

UTC Area & Freq. (kHz)

VOV 6

Chinese (Mandarin)

0830-0930	China 9840; 12020
1330-1400	Thailand, Indochina 1242
1500-1530	SEA 7285

2200-2230	China 9840; 12020	1230-1300	SEAs 9840; 12020
Chinese (Cantonese)		1330-1400	Europe 9730; 13740
1300-1330	Indochina, Thailand 1242	1400-1430	SEA 1242
1430-1500	Indochina, Thailand 7285	1500-1530	SEA 1242
1530-1600	Asia 9840; 12020	1600-1630	Europe 9730; 13740
2230-2300	Asia 9840; 12020	1630-1700	Indochina, Thailand 1242
Indonesian		1700-1730	Europe 12070
0930-1000	Indonesia(SEA) 9840; 12020	1800-1830	Europe 9730; 13740
1030-1100	Indonesia(SEA) 1242; 9840;12020	1900-1930	Europe 9730; 13740
1430-1500	Indonesia(SEA) 1242; 9840;12020	2030-2100	Europe 9730; 13740
Japanese		2330-2400	SEAs 12020; 9840;
1200-1230	Japan 9840; 12020	French	
1400-1430	Japan 9840; 12020	1230-1300	Indochina, Thailand 1242
2130-2200	Japan 9840; 12020	1300-1330	Europe 9730;13740
Khmer		1830-1900	Europe 12070; 9730;13740
0000-0030	Cambodia 7285	1930-2000	Europe 13740;9730
1130-1200	Cambodia 1242	2100-2130	Europe 9730;13740
1200-1230	Cambodia 7285	Russian	
1330-1400	Cambodia 7285	1130-1200	Russia 9840; 12020
2230-2300	Cambodia 1242	1300-1330	SEAS 7285
Lao		1630-1700	Europe 9730;13740;1242
0030-0100	Laos 7285	1900-1930	Italy (Russian to Italy ???-Ed) 12030
1230-1300	Laos 7285	Spanish	
1400-1430	Laos 7285	0300-0330	Central America(Caribbea) 9795 kHz
Thai		1100-1130	Central Africa 9730; 13740
1130-1200	Thailand 7285	2000-2030	Central Africa 9730; 13740
1200-1230	Thailand 1242	Vietnamese	
1500-1530	Thailand 9840; 12020	0000-0100	Central-Africa 9730; 13740
2300-2330	Thailand 9840; 12020	0130-0230	NE America 9695
<u>VOV international daily programs</u>		0400-0500	NW America 9795 kHz/31m
English		0900-1000	Australia 1242
0100-0130	NE America 9695	1530-1630	Thailand, Indochina 1242
0230-0300	NE America 9695	1700-1800	Europe 9730;13740
0330-0400	Central America 9795 kHz/31m	1730-1830	Europe 12070;7440
1000-1030	Australia 1242, SEA 9840;12020	1930-2030	WEurope 12020
1100-1130	SEAs 1242; 7285	2300-2400	Thailand, Indonesia 1242

(VOV webpage last modified 20 Apr 2000 via JKB)

Sources & Contributors:

A. Slaen Arnaldo Slaen - Argentina.
 BC-DX News Bulletin by Wolfgang W. Bueschel - Germany.
 BP Bob Padula - Australia.
 Comm. World Communications World, hosted by Dr. Kim Andrew Elliott, VOA.
 CONEXION CONEXION Digital - Buenos Aires, Argentina.
 EDXP-ENET ELECTRONIC DX PRESS Messaging Network - Australia.
 GH Glenn Hauser - USA.
 JKB Dr. Juergen Kubiak, Berlin - Germany.
 OBSERVER Fortnightly edition of Radio Bulgaria's Frequency Management.
 RUS-DX Information bulletin of Russian DX League - Russia.
 WB Wolfgang W. Bueschel, Stuttgart - Germany.
 WDXC-HQ WDXC Headquarter / Michael Bethge, Bad Homburg - Germany.

Abbreviations:

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

Languages:

Other common abbreviations:

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	dd.mm.yy	(daymonthyear)
R	Russian		
Sp	Spanish		
Turk	Turkish		

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

email:

Internet j.kubiak@gmx.net

Fidonet (To: Juergen Kubiak) 2:2410/301.20

Web Page: <http://surf.to/Dr.Kubi> (V3)
<http://home.snafu.de/j.kubiak/>

 Extracts of items sourced to ELECTRONIC DX PRESS (EDXP) may be further reproduced only by organizations or individuals which have on-going exchange arrangements with EDXP.

LIST OF TROPICAL BAND STATIONS

by Raimo Mäkelä

In each line you will find: frequency (kHz), station, location and country.

120 meter band

2310.0 Northern Territory Shortwave Service, Alice Springs, Australia
 2325.0 Northern Territory Shortwave Service, Tennant Creek, Australia
 2340.0 Fujian People's Broadcasting Station, Fuzhou, China
 2350.0 Korean Central Broadcasting Station, Sariwon, North-Korea
 2360.0 Radio Maya, Guatemala
 2380.0 Radio Ecuadora, Limeira, Brazil
 2390.0 Radio La Voz de Atitlán, Guatemala (v)
 2390.0 Radio Huayacocotla, Mexico
 2390.0 WWCR, United States of America
 2410.0 Radio Enga, Papua New Guinea
 2415.0 Zhejiang People's Broadcasting Station, Wenzhou, China
 2420.0 Radio São Carlos, Brazil
 2445.0 Jiangxi People's Broadcasting Station, China
 2460.0 Radio Alvorada, Rio Branco, Brazil
 2485.0 Northern Territory Shortwave Service, Katherine, Australia
 2490.0 RRI Udung Padang, Indonesia (v)
 2490.2 Radio Oito de Setembro, Descavalo, Brazil (v)

90 meter band

3200.0 Trans World Radio, Swaziland
 3205.0 Radio Ribeirão Preto, Brazil
 3205.0 Radio Vale do Rio Madeira, Humaita, Brazil
 3205.0 Radio West Sepik, Papua New Guinea
 3210.0 Radio Exterior Espana, Costa Rica
 3210.0 Radio Mozambique, Maputo, Mozambique
 3210.0 WWCR, United States of America
 3215.0 RRI Manado, Indonesia (v)
 3220.0 La Voz de los Andes, Ecuador
 3220.0 Korean Central Broadcasting Station, Hamhung, North-Korea
 3220.0 Radio Morobe, Papua New Guinea
 3222.0 Radio Kara, Togo (v)
 3223.0 All India Radio, Shimla, India
 3224.8 RRI Tanjung Pinang, Indonesia (v)

3225.0 Radio Oranje, South-Africa
 3230.0 Radio Nepal, Nepal (v)
 3230.2 Radio El Sol de Los Andes, Juliaca, Peru (v)
 3234.8 Radio Luz y Sonido, Huánoco, Peru (v)
 3235.0 Radio West New Britain, Papua New Guinea
 3240.0 Trans World Radio, Swaziland
 3245.0 Radio Clube, Varginha, Brazil
 3245.0 All India Radio, Lucknow, India
 3245.0 Radio Gulf, Papua New Guinea
 3249.8 Radio La Voz de Triunfo, Ecuador (v)
 3249.8 Radio Luz y Vida, San Luis, Honduras (v)
 3250.0 Pyongyang Broadcasting Station, North-Korea
 3250.6 Radio Qollasuyo, Huanuco, Peru (v)
 3250.8 Radio Comas, Huaquillay, Peru (v)
 3255.0 BBC, Meyerton, South Africa
 3260.0 Radio Estereo Carrizal, Calceta, Ecuador (v)
 3260.0 La Voix du Sahel, Niger
 3260.0 Radio Madang, Papua New Guinea
 3260.0 Radio La Voz de Oxapampa, Oxapampa, Peru (v)
 3262.7 NHK Fukuoka 1, Japan
 3265.0 RRI Gorontalo, Indonesia (v)
 3268.8 RRI Bengkulu, Indonesia (v)
 3270.0 Namibian Broadcasting Corporation, Namibia
 3277.0 Radio Mozambique, Beira, Mozambique
 3275.0 Radio Southern Highlands, Papua New Guinea
 3280.0 Voice of Puijiang, Shanghai, China
 3280.0 La Voz del Napo, Tena, Ecuador (v)
 3280.0 Radio Mocambique, Beira, Mocambique (v)
 3280.2 Radio Estacion Wari, Ayacucho, Peru (v)
 3285.0 Radio La Voz del Río Tarquí, Cuenca, Ecuador (v)
 3288.0 Radio Madagascar, Madagascar (v)
 3289.8 Radio Centro, Ambato, Ecuador (v)
 3290.0 Namibian Broadcasting Corporation, Namibia
 3290.0 Voice of Guyana, Georgetown, Guyana
 3290.0 Radio Central, Papua New Guinea
 3295.0 RRI Samarinda, Indonesia (v)

3300.0 Radio Cultural, Guatemala, Guatemala
 3305.0 All India Radio, Ranchi, India
 3305.0 Radio Western, Papua New Guinea - off air?
 3306.0 Zimbabwe Broadcasting Corporation, Zimbabwe
 3310.0 Radio Mosoj Chaski, Cochabamba, Bolivia
 3315.0 All India Radio, Bhopal, India
 3315.0 Radio Manus, Papua New Guinea
 3316.0 Sierra Leone Broadcasting Service, Sierra Leone
 3320.0 Pyongyang Broadcasting Station, North-Korea
 3320.0 Radio Sonder Grense, South-Africa
 3320.0 Radio 2000, South-Africa
 3324.7 Radio Ondas Quevedenas, Quevedo, Ecuador
 3324.8 Radio Maya, Barillas, Guatemala (v)
 3325.0 Super Radio Tupi, Sao Paulo, Brazil
 3325.0 RRI Palangkaraya, Indonesia
 3325.0 Radio North Salomons, Papua New Guinea
 3326.0 Federal Radio Corporation of Nigeria, Lagos, Nigeria
 3329.5 Radio Ondas del Huallaga, Huanuco, Peru (v)
 3330.0 Christian Voice, Zambia
 3331.0 Radio Comores, Comores
 3335.0 Radio East Sepik, Papua New Guinea
 3335.0 Broadcasting Corporation of China, Taipei, Taiwan
 3338.0 Radio Mozambique, Mozambique
 3339.9 Radio Altura, Cerro de Pasco, Peru (v)
 3345.0 All India Radio, Jaipur, India
 3345.0 RRI Ternate, Indonesia (v)
 3345.0 Radio Northern, Papua New Guinea
 3345.0 DZB-2, Mindoro, Philippines
 3345.0 Channel Africa, Meyerton, South-Africa
 3350.0 Korean Central Broadcasting Station, Pyongsong, North-Korea
 3355.0 Radio Nacional de Angola, Angola
 3355.0 Radio Educadora 6 de Agosto, Xapuri, Brazil
 3355.0 All India Radio, Kurseong, India
 3355.0 RRI Jambi, Indonesia
 3355.0 RRI Sumenep, Indonesia
 3355.0 Radio Simbu, Papua New Guinea
 3356.0 Radio Botswana, Botswana
 3360.0 La Voz del Upano, Macas, Ecuador
 3360.0 La Voz de Nahualá, Guatemala (v)
 3365.0 Radio Cultura, Araraquara, Brazil
 3365.0 All India Radio, Delhi, India
 3365.0 Radio Milne Bay, Papua New Guinea
 3366.0 Ghana Broadcasting Corporation, Ghana
 3370.0 Radio Nacional, Limon Indanza, Ecuador (v)
 3370.0 Radio Sistema Cultural Tezulutlán, Guatemala (v)
 3375.0 Radio Nacional de Angola, Angola (v)
 3375.0 Radio Nacional, Sao Gabriel da Cachoeira, Brazil (v)
 3375.0 Radio Clube, Dourados, Brazil (v)
 3375.0 Radio Educadora, Sao Gabriel da Cachoeira, Brazil
 3375.0 Radio Educadora, Macapa, Brazil
 3375.0 China National Radio, China
 3375.0 RRI Medan, Indonesia
 3375.0 Radio Western Highlands, Papua New Guinea
 3377.2 NHK Osaka, Japan
 3380.0 Radio Chortis, Guatemala
 3380.8 Malawi Broadcasting Corporation, Malawi
 3384.9 Radio East New Britain, Papua New Guinea
 3385.0 Radio Educacao Rural, Tefé, Brazil
 3385.0 RRI Kupang, Indonesia (v)
 3385.0 RTM Miri, Sarawak, Malaysia
 3390.0 La Voix du Peuple, Bunia, Congo Dem Rep.
 3390.0 All India Radio, Gangtok, India
 3390.0 BBC Meyerton, South-Africa
 3391.0 Radio Emisora Camargo, Bolivia
 3395.0 RRI Tanjung Karang, Indonesia
 3395.0 Radio Eastern Highlands, Papua New Guinea
 3396.0 Zimbabwe Broadcasting Corporation, Zimbabwe
 3398.4 Radio Internacional del Peru, San Pablo, Peru (v)

75 meter band

3900.0 Nei Menggu People's Broadcasting Station, China
 3900.0 Voice of the Strait, Fuzhou, China
 3904.9 Radio New Ireland, Papua New Guinea (v)
 3904.9 RRI Merauke, Indonesia (v)
 3905.0 RRI Banda Aceh, Indonesia (v)
 3915.0 BBC World Service, Singapore
 3920.0 Korean Central Broadcasting Station, Hyesan, North-Korea
 3925.0 Nihon Shortwave Broadcasting Company (Radio Tampa), Japan

3930.0 Korean Broadcasting System, Chogjin, Korea
 3935.0 ZLXA, Levin, New Zealand
 3945.0 Nihon Shortwave Broadcasting Company (Radio Tampa), Japan
 3945.0 Radio Vanuatu, Vanuatu
 3946.0 RRI Tanjung Karang, Indonesia
 3950.0 Qinghai People's Broadcasting Station, China
 3960.0 RRI Padang, Indonesia (v)
 3960.0 Korean Central Broadcasting Station, Kanggay, North-Korea
 3960.0 Mongol Radio and Television, Mongolia (v)
 3962.0 RRI Palu, Indonesia (v)
 3970.0 CRTV Radio Buea, Buea, Cameroon (v)
 3970.0 NHK Sapporo, Japan
 3970.0 Korean Central Broadcasting Station, Wonsan, North-Korea (v)
 3970.0 Federal Radio Corporation of Nigeria, Enugu, Nigeria
 3973.8 NHK Nagoya, Japan
 3976.0 RRI Pontianak, Indonesia (v)
 3996.0 RRI Pontianak, Indonesia (v)
 3996.0 RRI Kendari, Indonesia (v)
 4000.0 Nei Menggu People's Broadcasting Station, China
 4000.0 Voice of Broad Masses of Eritrea, Asmara, Eritrea
 4000.0 RRI Padang, Indonesia (v)
 4000.0 RRI Kendari, Indonesia (v)

60 meter band

4750.0 Nei Menggu People's Broadcasting Station, China
 4750.0 Radio Municipal, Quito, Ecuador
 4750.0 Mongol Radio and Television, Mongolia (v)
 4750.1 Radio San Francisco, Solano, Peru (v)
 4753.3 RRI Ujung Pandang, Indonesia (v)
 4753.8 Radio Difusora do Maranhao, Sao Luiz, Brazil (v)
 4755.0 Radio Educacao Rural, Campo Grande, Brazil
 4759.0 Radio Tingo Maria, Peru (v)
 4760.0 All India Radio, Leh, India
 4760.0 All India Radio, Port Blair, Andaman & Nicobar Islands
 4760.0 ELWA, Liberia
 4760.0 Trans World Radio, Swaziland
 4763.6 Radio Chincheros, Chincheros, Peru (v)
 4765.0 Radiodifusora Guanay, Bolivia (v)
 4765.0 Radio Rural, Santarem, Brazil
 4766.6 Radio Constelacion, Guanay, Bolivia (v)
 4776.1 RRI Medan, Indonesia (v)
 4770.0 Federal Radio Corporation of Nigeria, Kaduna, Nigeria
 4770.1 Radio Centinela del Sur (CDS), Loja, Ecuador (v)
 4774.9 Radio Tarma, Peru (v)
 4775.0 Radio Amarela, Rolim do Moura, Brazil
 4775.0 Radio Congonhas, Congonhas, Brazil
 4775.0 Radio Portal do Amazonia, Cuaiba, Brazil
 4775.0 Radio Liberal, Belém, Brazil (v)
 4775.0 All India Radio, Imphal, India
 4775.0 Trans World Radio, Swaziland
 4777.0 Radiodiffusion Gabonaise, Libreville, Gabon (v)
 4777.1 RRI Jakarta, Indonesia (v)
 4779.8 Radio Coátan, Guatemala
 4780.0 Emissora Provincial Kuando-Kubango, Angola
 4780.0 Emisora Onda Musical, Dominican Republic (v)
 4780.0 Radio Pakistan, Pakistan (v)
 4780.0 Radio Satellite, Santa Cruz, Peru (v)
 4780.0 Radio Bahai, Chimbote, Peru (v)
 4783.2 RTV Malienne, Mali (v)
 4785.0 Radio Brasil 5000, Campinas, Brazil
 4785.0 Radio Caiari, Porto Velho, Brazil
 4785.0 Nei Menggu People's Broadcasting Station, China
 4785.6 Radio Super, Ibagué, Colombia (v)
 4785.8 Radio Federacion, Ecuador
 4789.0 RRI Fak-Fak, Indonesia (v)
 4790.0 All India Radio, Chennai, India
 4790.0 Azad Kashmir Radio, Pakistan
 4790.0 Radio Atlántida, Iquitos, Peru (v)
 4795.0 Radio Mallku, Uyuni, Bolivia (v)
 4795.0 Radio Difusora, Aquidauana, Brazil
 4795.0 Radio Rossii, Ulan-Ude, Russia
 4795.2 Radio La Voz de los Caras, Ecuador (v)
 4799.8 Radio Buenas Nuevas, Guatemala (v)
 4799.9 Radio Oriental, Tena, Ecuador (v)
 4800.0 Kazakh Radio, Alma-Ata, Kazakhstan
 4800.0 Lesotho National Broadcasting Service, Lesotho
 4800.0 XETRA, Radio Transcontinental de America, Mexico
 4800.0 Provincial Station Radio TV Kontum, Vietnam

- 4800.7 Radio Armonia, Argentina
4801.0 Radio Mamore, Bolivia (v)
4801.0 Radio Onda Azul, Puno, Peru (v)
4805.0 Radio Difusora do Amazonas, Manaus, Brazil
4805.0 Radio Itatiaia, Belo Horizonte, Brazil
4810.0 Voice of Armenia, Yerevan, Armenia
4814.9 Radio Difusora, Londrina, Brazil
4815.0 Radio Burkina, Ouagadougou, Burkina Faso
4815.0 Radio Pakistan, Pakistan (v)
4817.5 Radio Mauritanie, Mauritania (v)
4819.1 La Voz Evangélica, Tegucigalpa, Honduras (v)
4820.0 Emissora Provincial da Huila, Angola
4820.0 Radio Botswana, Botswana
4820.0 Xizang People's Broadcasting Station, China
4820.0 Radio Rossii, Khanty-Mansiysk, Russia
4820.0 Radio Ukraine International, Ukraine
4820.0 All India Radio, Kolkatha, India
4824.3 La Voz de la Selva, Iquitos, Peru (v)
4824.9 Radio Cancao Nova, Cachoeira Paulista, Brazil
4824.9 Radio Mam, Guatemala (v)
4825.0 Radio Eucadora, Braganca, Brazil
4825.0 Radio Rossii, Yakutsk, Russia
4826.1 Radio Sicuani, Sicuani, Peru (v)
4828.0 Zimbabwe Broadcasting Corporation, Zimbabwe
4830.0 Radio Grigotá, Santa Cruz, Bolivia
4830.0 Radio Botswana, Botswana
4830.0 China Huayi Broadcasting Corporation, Fuzhou, China
4830.0 Radio Litoral, Le Ceiba, Honduras
4830.0 Mongol Radio and Television, Mongolia (v)
4830.0 Radio Thailand, Thailand
4830.0 Radio Táchira, San Cristobal, Venezuela
4830.3 Radio El Buen Pastor, Saraguro, Ecuador (v)
4830.6 Radio Lircay, Peru (v)
4831.5 Radio Reloj, Costa Rica (v)
4834.7 Radio Maranon, Jaen, Peru (v)
4835.0 Northern Territory Shortwave Service, Alice Springs, Australia
4835.0 RTV Malienne, Mali (v)
4835.3 Radio Sistema Cultural Tezulutlan, Guatemala (v)
4836.0 Radio Buenaventura, Buenaventura, Colombia (v)
4840.0 Heilongjiang People's Broadcasting Station, China
4840.0 Radio Interoceanica, Santa Rosa de Quijos, Ecuador (v)
4840.0 All India Radio, Mumbai, India
4840.0 Radio Andahuaylas, Peru (v)
4840.1 Radio Valera, Venezuela
4844.6 Radio K'ekchi, Guatemala (v)
4845.0 Radio Fides, La Paz, Bolivia (v)
4845.0 Radio Meteorologia Paulista, Ibitinga, Brazil
4845.0 RRI Ambon, Indonesia
4845.0 RTM Kajang, Malaysia
4845.0 Radio Lider, Cusco, Peru (v)
4845.2 Radio Cultura Ondas Tropicais, Manaus, Brazil
4850.0 CRTV Radio Yaonde, Cameroon
4850.0 China National Radio, China
4850.0 All India Radio, Kohima, India
4850.0 Uzbek Radio, Uzbekistan
4851.2 Radio Luz y Vida, Loja, Ecuador (v)
4855.0 Radio Centenario, Santa Cruz, Bolivia (v)
4855.0 Radio Tropical, Barra do Garças, Brazil
4855.0 Radio Por um Mundo Melhor, Brazil
4855.0 Radio Mozambique, Mozambique (v)
4855.4 Radio La Hora, Cusco, Peru (v)
4860.0 Radio Federacion, Sucua, Ecuador
4860.0 All India Radio, Delhi, India
4860.0 Radio Rossii, Chita, Russia
4864.0 Radio 16 de Marzo, Bolivia (v)
4865.0 Radio Alvorada, Londrina, Brazil
4865.0 Radio Missoes da Amazonia, Obidos, Brazil
4865.0 Radio Verdes Florestas, Cruzeiro do Sul, Brazil (v)
4865.0 Mongol Radio and Television, Mongolia (v)
4865.0 Gansu People's Broadcasting Station, Lanzhou, China
4865.0 La Voz de Cinaruco, Arauca, Colombia (v)
4870.0 ORTB Cotonou, Benin (v)
4870.0 Radio La Voz de Upano, Macas, Ecuador
4870.0 Radio Majestad, Huancayo, Peru (v)
4870.0 SLBC, Sri Lanka
4875.0 Radio Difusora de Roraima, Boa Vista, Brazil
4875.0 Georgian Radio, Dusheti, Georgia
4875.0 RRI Sorong, Indonesia (v)
4875.0 Radio Sonorama, Huancayo, Peru (v)
4875.2 Radio La Cruz del Sur, La Paz, Bolivia (v)
4879.8 Radio Nacional Espejo, Quito, Ecuador (v)
4880.0 Radio Bangladesh, Bangladesh (v)
4880.0 All India Radio, Lucknow, India
4880.0 Provincial Station Than Hoa, Vietnam
4883.0 China Radio International, China
4885.0 Radio Voz do Coracao Imaculado, Anápolis, Brazil
4885.0 Radio Clube do Pará, Belém, Brazil
4885.0 Radio Difusora Acreana, Rio Branco, Brazil
4885.0 Radio Ondas del Meta, Villavivencio, Colombia
4886.0 Radio Villarica, Peru (v)
4888.8 Radio Huanta, Huanta, Peru (v)
4890.0 Radio France Internationale, Moyabi, Gabon
4890.0 National Broadcasting Commission, Port Moresby, Papua New Guinea
4890.4 Radio Chota, Chota, Peru (v)
4895.0 Radio Baré, Manaus, Brazil
4895.0 Radio IPB AM, Campo Grande, Brazil
4895.0 La Voz del Río Arauca, Colombia
4895.0 Colombia Estereo, Santa Fe, Colombia
4895.0 All India Radio, Kurseong, India
4895.0 RTM Kuching, Sarawak, Malaysia
4895.0 Mongol Radio and Television, Mongolia (v)
4895.0 Radio Chanchamayo, La Merced, Peru (v)
4895.0 Radio Rossii, Tyumen, Siberia, Russia
4895.0 Radio Pakistan, Pakistan (v)
4900.0 Voice of the Strait, Fuzhou, China
4900.0 Radio Conarky, Conarky, Guinea Republic
4902.0 SLBC, Sri Lanka (v)
4904.9 Radio La Oroya, La Oroya, Peru (v)
4905.0 Radio Anhanguera, Araguaina, Brazil
4905.0 Radio Relógio Federal, Rio de Janeiro, Brazil
4905.3 Radio Ecos del Orinoco, Puerto Carreno, Colombia (v)
4907.0 National Radio of Cambodia, Phnom Penh, Cambodia
4908.0 Radio Tawantinsuyo, Cusco, Peru (v)
4910.0 Northern Territory Shortwave Service, Tennant Creek, Australia
4910.0 All India Radio, Jaipur, India
4910.0 Radio Libertad, Trujillo, Peru (v)
4910.0 Zambia National Broadcasting Corporation, Zambia
4910.6 La Voz de la Mosquitia, Puerto Lempira, Honduras (v)
4910.7 RRI Bukittinggi, Indonesia (v)
4911.0 Radio Emisoras Gran Colombia, Ecuador
4914.5 Radio Cora del Peru, Lima, Peru (v)
4915.0 Radio Anhanguera, Goiania, Brazil
4915.0 Radio Difusora, Macapa, Brazil
4915.0 Radio Armonias del Caquetá, Florencia, Colombia
4915.0 Ghana Broadcasting Corporation, Ghana
4915.0 Kenya Broadcasting Corporation, Kenya
4915.0 Radio Pakistan, Pakistan
4919.0 Radio Quito, Ecuador (v)
4920.0 All India Radio, Chennai, India
4920.0 RRI Tanjung Pinang, Indonesia
4920.0 Radio Mocambique, Mocambique (v)
4920.0 Voice of Russia, Russia
4923.3 Radio Ondas de Titicaca, Puno, Peru (v)
4923.4 Radio San Miguel, Riberalta, Bolivia (v)
4924.9 Radio Difusora, Taubaté, Brazil
4925.0 RRI Jambi, Indonesia
4925.0 Radio Mozambique, Mozambique
4926.0 Radio Nacional, Equatorial Guinea
4927.0 RRI Jambi, Indonesia
4930.0 Yunnan People's Broadcasting Station, China (v)
4930.0 Radio Internacional, San Pedro Sula, Honduras
4930.0 Namibian Broadcasting Corporation, Namibia
4930.0 Turkmen Radio, Turkmenistan
4931.0 RRI Surakarta, Indonesia (v)
4935.0 Radio Capixaba, Vitória, Brazil
4935.0 Radio Difusora, Jatai, Brazil
4935.0 Kenya Broadcasting Corporation, Kenya
4935.0 Radio Tropical, Tarapoto, Peru (v)
4939.2 Radio Norte, Montero, Bolivia (v)
4939.5 Radio Amazonas, Puerto Ayacucho, Venezuela (v)
4940.0 Radio San Antonio, Atalaya, Peru (v)
4940.0 All India Radio, Guwahati, India
4940.0 SLBC, Sri Lanka
4945.0 Radio Illimani, La Paz, Bolivia
4945.0 Emissora Rural A Voz do Sao Francisco, Petrolina, Brazil (v)
4945.0 Radio Difusora, Pocos de Caldas, Brazil
4945.0 Radio Progreso, Porto Velho, Brazil (v)
4945.0 Channel Africa, Meyerton, South-Africa



DX LOGBOOK

Logs around the clock

by Eberhard Ahl, Postfach 32 01 39, D-55065 Mainz, Germany

MEDIUMWAVE

Frequency	UTC	SINPO	ITU	Station	Language	Programme details	Date	RPT
180,0	1940	22222	TUR	TRT-FM	VN	Gesang,anns	2207	HSS
234,0	0057	35353	ARM	Yerevan 1	Arm.	NA, Arm. // 1395	0608	RP
234,0	1750	22342	ARM	Vo Armenia	E	nx	0707	RP
252,0	1550	44444	IRL	Atlantic 252	E	anns,pop-mx,ID	2007	HSS
302,0	1557	23333	D	Münster/Osnabrück		NDB: MST	2007	HSS
531,0	1901	44444	SUI	DSR 1	D	Folkl MX	1008	EAM
531,0	2249	23333	ALG	RTA1,Ain El Baida	VN	Folklore	1907	HSS
540,0	1905	44434	HNG	MR Solt	VN	News about Yugoslavia	1008	EAM
549,0	1855	34333	ALB	R. Pristina	VN	Local mx and Phone in PX	1308	ZL
558,0	1910	33343	SUI	Cima di Dentro	ITAL.	Dialog by 2 OM's, MX	1008	EAM
576,0	1920	44444	D	SWR 1 Mühlacker	DIV.	Ausländer PX	1008	EAM
621,0	1844	33343	MOL	VoRussia	GRC	PX UNDER R. Kairo	1308	ZL
621,0	1924	33343	BEL	RTBF Wavre	F	Talk by OM, OM	1008	EAM
630,0	1928	33333	TUN	RTT Tunis	A	Folkl MX mit Trommel	1008	EAM
630,0	2010	33433	TUN	RTT Tunis	A	Soccer //720 in Arab	0408	RP
639,0	1700	32332	IRN	IRIB 1	Farsi	//15084,1026,1215, etc.	1207	RP
639,0	1830	33333	IRN	VOIROI	Turk	Turkish px (ex 1215)	1207	RP
648,0	1824	32443	BUL	R. Plovdiv	VN	Pop MX	1308	ZL
648,0	1932	33443	G	BBC WS	E	ID, Interview	1008	EAM
657,0	2015	33343	IRQ	IRQ bubble jammer			0807	RP
666,0	1904	34444	D	SWR 4 Rohrdorf	D	News, Sport, ID, WX	1208	EAM
675,0	1907	33333	HOL	R. Teengold	DUTCH	POP MX, Talk	1208	EAM
684,0	2100	45444	YUG	RTS 1, Belgrade	Serb	//711,1107,1215,1267,etc.	0708	RP
693,0	1814	21421	I	RAI 2	VN	Px und Albanian PX	1308	ZL
695,0	1816	22342	???	???????	A	Arab MX, USB only	1308	ZL
711,0	1920	33333	YUG	R. Beograd	VN	Folkl MX, Talk by OM	1208	EAM
738,0	1756	33433	ISR	?????	???	ID"Isreal" Arab. Songs	1308	ZL
738,0	1924	34433	E	RNE Barcelona	S	Dialog by 2 OM's	1208	EAM
765,0	1928	33443	SUI	DSR Sottens	F	Chanson MX, Talk	1208	EAM
801,0	1745	32332	BHR	Bahrain	A	Arab talks & ID	1207	RP
801,0	1750	43343	AZE	Azerbaijan 1	Azeri	Talks	1307	RP
936,0	1740	32442	IRN	IRIB 3	Farsi	ID	1307	RP
945,0	1920	32332	LVA	Latvia 1		End of nx, ID, Vn	1007	RP
1044,0	2015	33343	GRC	ERA M1 Thesaloniki	VN	Folkl MX, Phone in PX	0508	EAM

1053,0	2000	44444	G	BBC Talk Radio	E	Sport news	0508	EAM
1071,0	2115	24342	CZE	CR 6	VN	Talk PX by OM	1108	ZL
1080,0	1750	33443	GRC	ERA 2	Greek	//1494 - Jammer (Soviet type) on same freq.	0408	RP
1125,0	1803	34443	HRV	Croatia 1	E	E Nx //1143,6165,13830	0508	RP
1152,0	2055	22222	????	India??, Oman ??	A	Hindi Songs, Talk in A	1108	ZL
1152,0	2100	23322	E	RNE 5	S	News, intern. Report	1108	ZL
1170,0	1958	44444	BLR	R. Minsk	D	Talk, ID, TS	0508	EAM
1179,0	1955	44444	S	RSI Stockholm	E	Talk ü. Schwed. People	0508	EAM
1197,0	1900	32432	EGY	Alexandria	A	ID, Arab nx	1007	RP
1206,0	1730	33443	ISR	Reshet Bet		//15760,1287,1143+FM	1307	RP
1233,0	1800	33343	???	UNID	Arab	Arab nx, not MRC or QAT	1307	RP
1251,0	1950	23222	LYB	LJB Tripolis	A	PX Talk, Folkl MX	0508	EAM
1251,0	2042	43343	LYB	Vo Africa	E	// 17725 kHz	0508	RP
1278,0	0155	34433	GRC	ERA Florina	GRIECH	Folkl., Sanger // 1215, ID	2707	HKN
1287,0	1805	43443	ISR	G. Zahal	VN	// 1224,15785	0707	RP
1287,0	1945	44444	CZE	CR Prag	VN	Talk ü. Arbeit	0508	EAM
1287,0	2020	22222	ALG	Channel 1	A	Folkl Song under flg	1108	ZL
1287,0	2020	34443	SVK	RFE	S/Croat	Only Talk PX by OM	1108	ZL
1323,0	1743	44444	D	Lutherische Stunde via VO Russia	D	Versuchslabor Erde und Außerirdische, Adresse, ID, Adr., Internet	2607	HKN
1323,0	2025	34444	D	Stimme Russlands	E		3107	EAM
1350,0	1954	44444	GRC	ERA ???	GRC	Traditional Songs	1108	ZL
1350,0	1957	22222	ARM	TWR (RELAIS)	RUSS	Talk PX	1108	ZL
1350,0	1959	53543	GEO	RR Abkhazia		Nat. Anthem, close down	0707	RP
1368,0	1942	44444	I	RAI 3	ITAL	Talk PX by OM	1108	ZL
1368,0	2158	33333	I	RAI 3	ITAL.	Werbung , Pop MX, ID	3007	EAM
1377,0	0105	25442	TZA	Vo Africa, Tanzania	VN	Close down in Vn, ID	0608	RP
1386,0	1931	44444	IRN	IRIB Teheran	FARSI	Talk by YL	1108	ZL
1386,0	1933	22422	RUS	V o Russia	E	Engl. PX with Russ. Talk	1108	ZL
1404,0	1715	33433	IRN	VOIROI	VN	Progr. 2	1307	RP
1404,0	1924	42433	ROU	R. Rumanien Homes.	VN	//1422	1108	ZL
1404,0	1929	43432	GRC	ERA ???	GRC	Traditions Songs	1108	ZL
1413,0	1907	22222	E	RNE 5	S	ID, ADV	1108	ZL
1413,0	1911	123332	OMA	BBC (RELAIS)	E	NEWS, (better is LSB)	1108	ZL
1422,0	1902	34333	ROU	R. Rumanien Homes.	VN	News	1108	ZL
1422,0	1903	32432	D	Deutschlandfunk	D	Short News, ID	1108	ZL
1431,0	1855	33333	I	RAI 2	VN	//1449	1108	ZL
1440,0	0300	45444	LUX	Missionswerk Werner Heukelbach via RTL	D	ID, Predigt, kostenlose Broschure, Adresse	2607	HKN + RP
1449,0	1720	44444	IRN	VOIROI	VN	Progr. 2	1307	RP
1449,0	1831	22222	RUS	R. Mayak	VN	Talk, Folkl MX	1108	ZL
1449,0	1847	33433	I	RAI 2	VN	Phinre PX, Italo Songs	1108	ZL
1458,0	1940	34433	G	Sun Radio	E	ID Pop MX	0508	EAM
1467,0	1824	13221	IRN	IRIB Teheran	FARSI	//15085, Folkl Song	1108	ZL
1470,0	0144	23322	VEN	R. Vibracion	S	anns,Folklore	2207	HSS
1476,0	0200	35443	AZE	Azerbajjan 1	Russ	Russian	0608	RP
1476,0	1818	22222	UAE	RCTV Dubai	A	// 13675	1108	ZL
1491,0	1730	43423	GRC	ERA 1 Rhode	GRC	Connection with BBC	1108	ZL
1503,0	1807	33433	YUG	R. Beograd 202	VN	Short News Report	1108	ZL

1503,0	1845	43443	EGY	Egypt "R. Al-Irish"	A	ID, mx	0707	RP
1510,0	2320	22222	USA	WNRB	E	anns,mx	2007	HSS
1510,0	2326	22332	B	Unid	P	Reportage,oft Brasil	2007	HSS
1510,0	2331	23332	USA	WNRB,Boston	E	Schlager,anns	2207	HSS
1512,0	1738	44444	GRC	ERA Chiana	GRC	Connection with BBC	1108	ZL
1512,0	1910	44444	BEL	R. Vlaanderen Inter	D	PX"National Feiertag"	2107	EAM
1521,0	1725	42432	IRN	IRIB 2	Farsi	Home Sce 2 in Farsi	1307	RP
1548,0	1935	34333	G	R. CapitolGold	E	POP MX, ID, Talk	0508	EAM
1557,0	1730	22442	???	UNID	E	Rlg., s/on, Americ. accent	1007	RP
1557,0	2000	42442	F	R. Bleue, Nice	F	ID in French	0608	RP
1557,0	2100	32442	???	UNID	Chinese	Religious	1007	RP
1566,0	1930	44433	IND	AIR Nagpur	E	Nx in Engl., ID	1007	RP
1575,0	1700	22432	???	UNID	Arab	Voice of Kurdistan?	0907	RP
1575,0	2150	34444	I	RAI 1 ????	ITAL	Pop MX, ID	2907	EAM
1584,0	1747	32432	GRC	ERA Amaliada	GRC	Greek Folkl Songs	1108	ZL
1584,0	1755	42442	IRN	IRIB 1	Farsi	// 15084, 1539, etc.	1007	RP
1584,0	2000	42432	KUW	Radio "Future"	Arab	ID, mx	0408	RP
1593,0	1754	32422	D	RFE	SERB.	ID at 1754	1108	ZL
1593,0	2037	32432	IRQ			Iraqi bubble jammer	0408	RP

Tropical Bands

Frequency	UTC	SINPO	ITU	Station	Language	Programme details	Date	RPT
3200,0	1953	22322	AFS	TWR (RELAIS)	VN	Talk PX	1707	ZL
3205,0	0308	22332	B	R.Riberao Preto	P	Predigt,mx	1607	HSO
3245,1	0032	24343	B	R.Clube,Varginha	P	Folklore,mehrere IDs	2007	HSS
3245,1	0315	23333	???	Unid	??	Gesang,mx,keine anns	1607	HSO
3245,1	2255	23232	B	Clube do Varginha	P	anns,Folklore,ID,mx	2007	HSS
3255,0	1954	22232	SWZ	BBC (RELAIS)	E	ID, Talk	1707	ZL
3264,6	2122	24332	INS	RRI Gorontalo (T)	???	Keine anns,Gesang	2207	HSS
3290,0	0254	24322	NMB	NBC Windhoek	E	ID : National Radio,//3270	2707	HKN
3300,0	0339	23332	GTM	R.Cultural	S	anns,Gesang	0807	HSO
3310,0	0056	23332	BOL	R.Mosoi Chaski	S	Hits,anns,ID	2007	HSS
3316,0	2149	23333	SRL	SLBS,Goderich	E	anns,Folklore	2007	HSS
3320,0	0110	34333	AFS	R. Sonder Grense	AFRIK.	Phone-in, Telefon No., ID	0208	HKN
3320,0	0305	33433	AFS	R.Sonder Grense, Mey.	E/VN	Engl. News, MX,CWQRM	2707	HKN
3320,0	0350	23343	AFS	SABC,Meyerton	AFRIKA	cm,Nostalgie-Song	1207	HSO
3335,0	2003	22232	TWN	CBS	CHN	News, MX	1707	ZL
3366,0	2005	33333	GHA	GBC Accra	E	NEWS, ID	1707	ZL
3374,9	0122	24322	AGL	RN de Angola	P	Folklore, Pop MX, Talk	0208	HKN
3380,0	0252	23343	MWI	MBC	E/VN	nx,ID:R.One und MBC	1607	HSO
3880,0	1757	34433	CLA	VOKPI, CLA	Farsi	"International" - Jammed	2107	RP
3905,0	2045	23232	INS	RRI Merauke (t)	VN	Talk about India	3107	ZL
3915,0	2034	34444	PIR	Union Radio	DUTCH	Schlager MX, ID, MX	0608	EAM
3955,0	1900	45444	G	R. Taipei Intern.	F	Nachrichten , ID, Polit Nx	0708	HKN
4005,0	0320	55444	CVA	R. Vatikan	SLOVAK	Segen vom Pabst,Angola	2407	HKN
4010,0	1750	25332	KGZ	Kyrghyz R.		Songs in German	2107	RP
4020,0	1650	22342	???	UNID Asian	Ar+Kurd?	Arab. & Kurdish?	0508	RP
4020,0	0103	32432	???	UNID Asian		SAM + RUS feeder	0608	RP
4052,5	0052	22221	GTM	R.Verdat (t)	S	anns,Folklore	2007	HSS
4175,0	1659	35342	CLA	R. Cons. Party of Kurd.	Arab	AA, close down	0508	RP

4200,0	1630	32332	CLA	Vo Worker, CLA	Farsi	Communist	0408	RP
4250,0	1650	42432	CLA	Voice of Iraq Toilers	Arab	AA, socialist	0408	RP
4409,9	0023	23333	BOL	R.Eco	S	cm,Nacional	2007	HSS
4485,0	1810	32332	RUS	R. Rossii	RR	ID in RR	2207	RP
4649,0	2350	23332	BOL	R.Santa Ana	S	Wortbeitrag,Sprecher	1907	HSS
4716,8	2357	23333	BOL	R.Yura Yura	S	Folklore,anns,cm,ID	1907	HSS
4753,4	2200	33333	INS	RRI Ujung Pandang (t)	VN	Islamic PX	3107	ZL
4760,0	2017	22422	LIB	ELWA Monrovia	E	Gospel MX	1707	ZL
4765,0	0131	24322	B	R. Rural, Santarém	P	Lokale News, ID, MX	0208	HKN
4775,0	1700	24222	IND	AIR Guwahati	VN	Rel. MX	2107	ZL
4785,0	0140	34333	B	R. Caiaré, Porto Velho	P	Liebeslieder, Talk & ID	0208	HKN
4796,4	0026	23443	BOL	R.Mallku	S	sehr schöne Folklore	2007	HSS
4800,0	0523	34242	MEX	Xerta	S	Adv, Folkl MX, ID	1008	ABW
4819,2	0248	24343	HND	LV Evangelica	S	anns,ID,Predigt	2207	HSS
4830,0	0344	24343	VEN	R.Tachira	S	Folklore	1207	HSO
4835,0	2250	34433	MLI	ORTM Bamako.	F	ID, afro Musik, polit. Nx	1208	HKN
4845,0	1920	34343	MLA	RTA Kuala Lumpur	VN	Folklore,anns	2207	HSS
4845,0	2020	12XX1	MLS	RTM 6	VN	Bad Modulation, MX	1707	ZL
4845,0	2256	34333	MTN	Radio Mauretanie	F	Ansagerin, lokale Politik	1208	HKN
4845,0	2315	43333	MTN	R. Nouakchot	VN	Talk PX by OM	2907	EAM
4885,0	2108	33333	B	R. Brasil Central	P	Talk PX by OM	3107	ZL
4885,0	2156	23343	B	R.Clube do Para	P	längere Reportage	2007	HSS
4890,0	0430	23343	GAB	RFI (RELAIS)	F	Talk by 2OM's, ID	1607	EAM
4890,0	2008	23232	PNG	NBC Port Moresby	E	anns,nx,ID	0907	HSO
4890,0	2028	1x1x1	PNG	NBC	E	Talk PX	1707	ZL
4904,8	0339	24343	PRU	R.La Oroya	S	cm,anns,Folklore	1207	HSO
4905,0	0348	23333	B	R.Anhanguera	P	Folklore,anns,Brasil	0807	HSO
4914,7	0337	23333	PRU	R.Cora del Peru	S	Folklore,anns,ID	1207	HSO
4915,0	2320	33333	GHA	GBC Accra	VN	Folkl Gesang	2907	EAM
4919,0	0333	23232	EQA	R.Quito	S	nx,cm	1207	HSO
4924,8	2303	44444	INS	RRI Jambi	INDONE	Klare ID, Nachrichten?	1208	HKN
4930,6	0310	24233	HND	R.Costena Ebenecer	S	mx,Gesang	1107	HSO
4939,5	0339	24332	VEN	R.Amazonas	S	Folklore	1207	HSO
4950,0	1953	44444	STP	V.o.A – Relais	E	pop-mx	0907	HSO
4965,0	2010	44322	ZMB	V.- o. Christian	VN	Trommel MX with Song	0707	ABW
4965,0	2300	35433	ZMB	Christian Voice	E	IS,christlicher Sänger, Adr	2507	HKN
4976,0	1945	34444	UGA	R.Uganda	VN	melanchol.Lieder,anns	0907	HSO
4980,0	0325	34443	VEN	Ecos del Torbes	S	Folklore,anns,ID,TA	1207	HSO
5009,0	2026	32242	MDG	R. Madagaskar (tend)	VN	Trommel MX, Talk	0707	ABW
5009,5	2112	45444	MDG	Radio Madagasikar	VN	Hörspiel , starkes Signal	1208	HKN
5015,0	2245	34333	TKM	Radio Asgabat	TURKM	Folklore, Orchester,Anns	1108	HKN
5019,8	0402	23232	CLM	R.Ecos del Atrato	S	cm,anns,ID	1207	HSO
5020,0	2310	44444	NGR	LV du Sahel Niamey	F	Afrikanische Folklore, ID	1108	HKN
5025,0	2322	34333	BEN	ORTB Parakou	F	Afrikanische Gesänge	1108	HKN
5030,1	0152	34333	CTR	Dr. Gene Scott, Cahuita	E	University Network,	0208	HKN
5035,0	2330	33333	CTI	R.dif Ivoirienne	VN/F	Folkl Gesang, Klare ID	2907	EAM
5035,2	0318	34333	B	R.Aparecida	P	mx,cm,Brasil	1207	HSO
5046,0	2336	34333	INS	RRI Pekanbaru	INDONE	Wort Px by OM, asiat.Mx	1208	HKN
5047,0	2250	45444	TGO	RTT Lomé	F	Magazin Sendung, ID,MX	2507	HKN
5054,6	0355	23332	CTR	Faro del Caribe	S	Folklore,anns,ID	1207	HSO
5060,0	1946	44444	UZB	R. Tashkent	D	Lernen in Uzbekistan	2107	EAM

Shortwave

Frequency	UTC	SINPO	ITU	Station	Language	Programme details	Date	RPT
5805,0	0555	15322	PIR	R. Free London	E	Country Musik, ID	1308	HKN
5850,0	1050	45444	D	Fritz Love Radio	D	Berliner Love Parade	0807	WBS
5910,0	0211	25433	RUS	R. Rossii, Moskau	R	100kW,ID,Jingle,Folkl Mx	2407	HKN
5950,0	0157	44333	USA	R. Taipei Intern.	C/E	englisches Px, News	0208	HKN
5955,0	2035	55555	CAN	RCI Montreal	E	ID, News	0707	ABW
5975,0	1120	44444	D	Fritz Love Radio	D	Rap MX, Berl. Love Parade	0807	WBS
5980,0	1944	44444	COG	R.diff.-Télév. Congol.	F	Afrikanische Musik,	1208	HKN
5985,0	0428	33333	USA	WYFR	S	cm,Sprecher	1107	HSO
5985,0	2150	34444	COG	RTVC Brazzaville	F	Talks,anns,ID,Folklore	1507	HSO
5990,0	0113	24333	IND	AIR Delhi	SINDHI	ID, Sprecherin, Orchester	0508	HKN
6000,0	2340	33433	SNG	City Sounds	C	Werbung, ID, Jingles, Pop	1108	HKN
6010,0	2202	24443	B	R.Inconfidencia	P	Fußball	1507	HSO
6020,0	0218	34443	CTR	REE – Relais	S	pol.cm,anns,ID	1707	HSO
6024,9	0119	34333	BOL	R. Illimani	S	Flotte Schlager Musik, TA	0508	HKN
6025,0	0214	24443	DOM	R.Amanecer	S	Sport,mx	2207	HSS
6034,9	0127	24322	CLM	LV del Guaviare	S	Anns with San José,MX	0508	HKN
6034,9	2350	33433	CLM	LV Guaviare	S	Sprecher, ID, NX	0908	HKN
6040,0	0217	24343	B	R.Clube Paranaense	P	Sport	2207	HSS
6045,0	1330	44444	D	V.o. Democratic Eritrea	VN	PX 16 – 17 on 15365	1006	WBS
6050,0	0136	34333	EQA	HCJB, Pifo	S	Noticias, ID, Innenpolitik	0508	HKN
6050,0	0157	34444	EQA	HCJB	S	Sport,anns,ID,Folklore	1707	HSO
6065,0	0212	44433	USA	WYFR	E	Predigt aus AT	0208	HKN
6065,0	1830	55444	S	R. Schweden	D	Nachrichten, Wetter,	0708	HKN
6085,0	0134	55444	D	MDR Info	D	Rep. ü. Concord Absturz	2607	HKN
6085,0	0219	32432	OMA	R. Oman	A	Korangesänge, unter MDR	0208	HKN
6110,0	1340	34333	D	Brother Stair	E	Px to UK, Prayer Tom	1006	WBS
6135,0	0243	33433	B	R. Aparecida	P	// 5035,3 kulturelles Px,	2707	HKN
6135,1	0226	34333	B	R. Aparecida	P	ID,MX aus El Salvador,	0208	HKN
6145,0	0007	35333	CAN	NHK, Montreal	E	ID,QRG,Px:Japan &World	2507	HKN
6150,0	2350	34333	SNG	One FM 92,5	E	Chinesische Folklore,	1108	HKN
6155,0	0058	34333	IND	AIR Delhi	URDU	Folklore MX, 01.00 ID	0508	HKN
6155,0	0145	45444	CAN	R. Telefis Eireann,	E	ID,Dublin,Web: www.rte.ie	0508	HKN
6155,0	1845	45555	AUT	RÖI Wien	D	PX“ Intermedia“	2107	EAM
6155,0	2355	24322	BOL	R. Fides	S	Klare ID,La Musik	1008	HKN
6165,0	0128	45444	ATN	R. Netherland, Bonaire	S	IS, ID, Internet Adresse,	2607	HKN
6175,0	1915	54444	G	RTI, Skelton	D	Px "Aus d. Netz gefischt"	0208	HKN
6175,0	1925	44444	G	R. Teipei Inter	D	PX „Rundschau“, ID	2107	EAM
6175,0	1930	44444	G	R. Taipei Inter	D	//9630, rep.ü. Werften	0508	EAM
6175,0	1950	54444	G	RTI Taipei	D	Folkl MX, Talk o. Wemen	0608	ABW
6180,0	0200	44444	UAE	VO UAE, Abu Dhabi	A	S/on, IS, Nationalhymne	2407	HKN
6185,0	0209	24343	MEX	R.Educacion	S	anns,Gesang	2207	HSS
6185,0	0232	24333	MEX	R. Educacion	S	Folklore Gruppen +Songs	0208	HKN
6195,7	2350	23322	PRU	R. Cuzco	S	Rare reception, ann. w. ID	1208	HKN
6219,0	0334	24443	PIR	Laser Hothit	E	anns,ID,dt.Rocksong	1107	HSO
6240,0	0045	45444	ARM	TWR, Gavar	Korean	IS, ID, Predigt einer Frau,	2607	HKN
6248,0	2115	34333	GNE	R. Nacional, Malabo	S	ID "Radio Nacional Malabo de Republica de Guinea Ecuatorial"	0108	HKN

6265,0	0347	24443	ZMB	ZNBC Lusaka	VN	Folklore	1607	HSO
6290,0	2028	23333	PIR	R. Perfeckt	D	Indtrum. MX mit ID	0608	EAM
6295,0*)		34444	???	Unid	E	Talk about Jesus Rel.PX	0608	EAM
6479,6	0207	24322	PRU	R.Altura	S	anns,mx	2106	HSS
6520,4	0202	22222	PRU	R.Paucartambo	S	anns,Gesang	2107	HSS
6673,0	0355	23333	PRU	R.Super Nueva Sens.(t)	S	anns,Folklore,	2107	HSS
6695,6	0145	24443	PRU	LV del Campesino	S	Folklore,anns,ID	2107	HSS
6730,0	2144	25433	KAZ	Almaty Volmet	R	Wetterbericht	0108	HKN
6750,0	1700	32442	CLA	Somali, CLA	AA&Vn	AA & Vn + QRM CHN	0408	RP
6797,6	0149	24333	PRU	R.del Rio Mayo	S	anns,Folklore	2107	HSS
6797,8	0020	24422	PRU	Ondas del Rio Mayo	S	ID, Folklore Lieder	1308	HKN
6805,0	1800	34443	CLA	Vo Democracy	AA	ID in AA (Somali)	0408	RP
6820,0	0130	35433	IRQ	Vo Mojahed	Farsi	ID in Farsi, s/on, jammer	0608	RP
6895,0	0150	45444	ISR	Galei Zahal	HEBRE	zurück auf der alten QRG	2707	HKN
6956,6	0030	25322	PRU	LV del Campesino	S	Folklore, Ans, News	0208	HKN
6956,6	0058	23332	PRU	LV de Campesino	S	anns,Folklore	2307	HSS
6956,9	0110	34322	PRU	LV del Campesino	S	ID, Talk PX, local MX	1308	HKN
7070,0	0240	34433	CLA	VO the Mojahed	FARSI	ID, Politisches Px	0208	HKN
7085,0	0135	42432	AFG	Vo Shariah	Pashtu	ID in Pashtu, rlg	0608	RP
7110,0	0555	31322	TUN	RTT Tunis	A	ADV, Adr, ID, Telefon	0708	ABW
7120,0	0831	45433	I	Radio Earth via IRRS – Milano	E	DX Magazin, Tipps, Sweden calling DXers,	1308	HKN
7125,0	2310	34333	GUI	R. Conakry	F	Talk ü.afrikan.Innenpolitik	2507	HKN
7145,0	1000	24332	ALG	RTA Algier	???	Nonstop Afrik. MX	0207	WBS
7149,9	1125	24222	ALB	R. Tirana	VN	2. PX Homeserv., POP Mx	0807	WBS
7170,0	0000	34333	SNG	Olikkalanjiam	TAMIL	ID, Nachrichten, polit. Rep	1108	HKN
7170,0	2320	33433	MLI	CRI Relais	C	Politischer Rep.ü. Taipei	2507	HKN
7190,0	0029	35433	CLN	SLBC, Ekala	VN	Asiatische Folklore, ID	2507	HKN
7190,0	2331	24333	THA	VOA Udorn	E	ID, Programmhinweise,	2507	HKN
7200,0	2135	34433	CHN	CPBS 2	CHN	Ads , ID by YL	3107	ZL
7200,0	2335	25433	THA	VOA Udorn	E	/ 7190 special engl. news	2507	HKN
7220,0	0240	45444	RUS	R. Rossii, Ekaterinburg	R	200 kW, Sport, c/d 03.00	2407	HKN
7230,0	0625	43433	OMA	R. Oman	A	Modern Folkl MX, ID	1008	ABW
7235,0	2340	44444	SNG	Warna 94,2	MALAY	Wortbeitrag von Mann,	1008	HKN
7265,0	1040	33433	D	SWR-Rohrdorf	D	Highway Report	0807	WBS
7280,0	2340	35433	MDG	R. Netherland Relais	HOLL	Nachrichten,ID,Wx,21° C	2507	HKN
7285,0	1400	45444	POL	R. Polonia	D	Veranstaltungen in Polen	1108	HKN
7295,0	2345	24322	MLA	RTM Radio 4	E	Englische Pop Hits, TA,	2507	HKN
7305,0	0119	45444	CVA	R. Vatikan	S	ID, Programm "Reflecto"	2507	HKN
7306,0	1010	14221	I	R. Pioltello (USB)	I	Ital. Pop MX	0207	WBS
7330,0	1552	45444	RUS	Das Wort via VO Russia	D	Adresse Würzburg // 1323 11745 12030	2607	HKN
7335,0	0216	32432	CAN	CHU Ottawa	E	Zeitzeichen, ID, TA, QRM	2707	HKN
7335,0	0217	34322	RUS	R. Stanzija Chechnya Svobodnaya, Kaliningrad	R	ID, russische Lieder, Ansager, politisches Magazin	2407	HKN
7354,3	0127	25322	USA	KJES, Bado (New Mexico)	E	hört sich nicht an wie 50 kW,selten zu hören!	2507	HKN
7375,0	0251	35433	CTR	Dr. Gene Scott	E	ID, Predigt //6150, 5030,1	0208	HKN
7385,0	0255	25333	USA	Radio Prag via WRMI	TSCH	Dialog, ID, Adresse	0208	HKN
7385,0	0325	34333	USA	R. Prag via WRMI	E	ID, Folklore, WRMI ID	2407	HKN

7430,0	0246	34333	CLA	VO the Mojahed	FARSI	Politische Reportage	0208	HKN
7435,0	2351	24333	USA	Brother Stair via WWCR Nashville	E	Transmitter Angel 4, Predigt, The Overcomer	2507	HKN
7450,0	1935	23222	ALG	RTA Algier	A	PX to West Sahara, MX	2207	WBS
7470,0	1945	34333	MRC	RTM Sebaa-Aioum	A	Folkl MX, //15345	2207	WBS
7475,0	2000	43323	GRC	V.o. Greece	VN	News, NA, Interwiev	0607	ABW
7489,9	0145	35433	USA	WJCR, Upton	E	Predigt von einem Mann	2507	HKN
7510,0	0209	25433	USA	KTBN, Utah	E	Prediger, Gebete,	2507	HKN
7550,0	2000	35433	KOR	R. Korea Intern.	D	Nachrichten, Kommentar,	2507	HKN
8098,0	0228	23232	ARG	Arg.Armed Forces	S	Relay R.Continental,ID	1707	HSO
9155,0	0148	45444	IRN?	UNID	Farsi	Distorted sound	0608	RP
9325,0	1925	34343	KRE	R. PyongYang	D	//7505, Rep ü. Korea	0508	EAM
9330,0	0217	35333	USA	WBCQ, Kennebunk	E	"Christian media Network"	2507	HKN
9355,0	0615	35433	USA	R. Taipei Inter. Via WYFR	D	Rundschau mit E.Triendl, Chinesisch per Funk -	1108	HKN
9355,0	0708	34343	USA	R. Taipei Inter	F	Intern. MX, Talk	0806	HGA
9369,9	0155	35444	USA	WTJC, Newport	E	Prediger, Orgel Musik,	2507	HKN
9400,0	1615	55444	BUL	R. Bulgarien	D	Nachrichten, Wetter,	1108	HKN
9415,0	1810	42433	BUL	R. Bulgarien, Sofia	D	ID, NX, WX, IS	0908	ABW
9490,0	1958	42532	GEO	RR Abkhazia		c/down with Nat. Anthem	0508	RP
9500,0	1825	44444	SWZ	TWR Swaziland	VN	ID, Folkl MX	0908	ABW
9500,0	1910	33433	AUS	R. Australia	E	Intern. MX, Talk	0806	HGA
9530,0	0530	45444	FIN	R. Finnland	D	Kompass Nord,	2407	HKN
9530,0	2350	34333	VTN	VO Vietnam	VIETN	Homeservice 1.Px, News	1008	HKN
9560,0	0530	35433	FIN	R. Finnland	D	Kompass Nord kompakt	1108	HKN
9585,2	1020	44444	ALB	R. Tirana	VN	Alb. Homeserv., Folkl MX	0207	WBS
9610,0	0545	45433	D	SRI, Jülich	D	Magazin, ID,	2807	HKN
9625,0	0300	23333	CAN	CBC Northern Quebec S.	E	ID, CBC News, TA,	2507	HKN
9660,0	1109	34443	G	NHK World (RELAIS)	G	Intern. News	0907	HGA
9665,0	0628	45433	ROU	R. Rumänien Intern.	D	Nachrichten, Wetter,	1108	HKN
9700,0	0409	33343	CAN	DW-Relais	D	Besuch Iran.,nicht //6075	1107	HSO
9704,1	0309	45444	ETH	R. Ethiopia	VN	Folkloresänger, Orchester	0208	HKN
9705,0	0249	23332	MEX	R.Mexiko Int'l	S	Folklore,anns,ID	1707	HSO
9730,0	1903	32223	VTN	V o. Vietnam	E	Intern. MX, Talk	0406	HGA
9737,3	0222	34333	PRG	RN Paraguay	S	LA Folklore Songs,	2707	HKN
9737,3	2203	33443	PRG	RN del Paraguay	S	anns,ID,nx	1907	HSS
9781,8	1920	22322	YEM	R. Sanaá	ARM	Talk, QRM : VoA	2207	WBS
9955,0	1800	44333	TWN	R. Taipei Intern.	D	Moderiert von YoYo Leng, Hitparade	0708	HKN
9965,0	1935	34443	ARM	Stimme Armeniens	D	NA, "hier spricht Yerevan"	2107	EAM
9970,0	1030	55555	F	RTBF Wavre	F	Talk over Film, Intzerwiev	0207	WBS
9990,0	1920	34443	EGY	R. Kairo	D	Lokale News	2107	EAM
11590,0	0337	45433	ISR	Kol Israel	HEBRE	// 9390,0 Rep. ü. Tel Aviv	2407	HKN
11595,3	1035	23222	GRC	ERT thessaloniki	VN	//9935, Folk MX Nonstop	0207	WBS
11655,0	0345	45444	TUR	VO Turkey	E	ID, History	2407	HKN
11670,0	2010	34333	IRN	IRIB Teheran	E	// 9022 + 9575, Magazin	2407	HKN
11690,0	0357	24443	CHL	R. Voz Cristiana	S	anns,ID,jingles //11745	1107	HSO
11705,0	0900	54554	CAN	NHK World radio	VN	News ID	2107	ABW
11705,0	1155	34433	UKR	RUI	E	Engl.	0608	RP
11708,2	1605	22322	ARS	BSKSA Riyahd	A	HOLY Quoran PX	0207	WBS
11709,1	0152	24333	ARG	RAE, Buenos Aires	P	ID, IS und English block	0508	HKN
11720,0	0717	32222	PHL	R. Philipines,Manila	E	MX, Talk	1406	HGA

11720,0	0810	24322	NZL	R. New Zealand	E	Opera Musik	2207	WBS
11740,0	2223	25433	IRN	IRIB Teheran	E	Adresse, Ade,IS c/d 22,28	2407	HKN
11745,0	0352	24443	CHL	R. Voz Cristiana	S	Gospels,anns,ID //11690	1107	HSO
11745,0	0935	55555	RUS	v.o. Russia	D	ID, News	0908	ABW
11770,0	1114	24442	???	V. o. Mediteranean	G	Sozial Talk, ID	0907	HGA
11785,0	2000	33433	INS	VO Indonesia	E	Absage franz. Dienst, IS,	2407	HKN
11787,0	1840	21221	IRQ	R. Baghdad	A	Talk PX	2207	WBS
11800,0	0940	55555	I	RAI Rom	ITAL.	MX ID	0908	ABW
11815,0	0230	25422	B	R. Brasil Central	P	Jingles, viele ID's,	2707	HKN
11875,0	0500	35444	EQA	HCJB, Pifo	D	Hörerpostmappe (Mo),	2407	HKN
11920,0	0805	35333	SNG	NHK World Radio	JAP	!!11710, Live Sport PX	2207	WBS
11925,2	0237	25333	B	R. Bandeirantes	P	reporter der herumschreit,	2707	HKN
11930,0	0435	45444	USA	Christian Science	D	ex. 7535, Rep. ü. Reinheit	2807	HKN
12000,0	0530	45444	BUL	R. Bulgarien	D	Bulg.Volksmusik Px//9400	2807	HKN
12020,0	1100	55555	POR	RDP Lisabon	P	//13610, 21655	0807	WBS
12025,0	0224	35433	RUS	R. Rossii, Krasnodar	R	100 kW, Volkschöre, ID	2407	HKN
12070,0	1745	31333	VTN	V.o. Vietnam	VN	News, ID, Folkl MX	0908	ABW
13268,0	0730	34333	CAN	Gandler Radio	E	Flugfunkstation	0708	ABW
13610,0	0945	54444	POL	Gclynia radio	VN	IS, ID, Küstenfunkstation	2107	ABW
13615,0	0409	35433	IRN	VO Islamic Revolution of Iraq	A	Magazin, polit. Reportage	2407	HKN
13625,0	1115	22322	MRA	RFA Tinian	TIBET	/15695(TJK),11590(ARM)	0807	WBS
13630,0	0106	25322	IND	AIR Delhi	BURMES	News, Ansager // 9950	0508	HKN
13730,0	0930	54233	AUT	R. Austria Intern.	D	Talk with Folkl MX	0907	ABW
13740,0	2030	34433	VTN	V.o. Vietnam	E	Local MX, Talk	0307	HGA
13755,0	0050	45444	IRN	IRIB Teheran	S	ID,Magazin,Rep.UNESCO	0508	HKN
15049,0	2151	23322	CTR	RFPI	???	Talk by YL, ID	3107	ZL
15075,0	1117	25222	IND	AIR Delhi	TAMIL	New 250 kW TX	2207	WBS
15105,0	0300	25433	ATN	Deutsche Welle Relay	E	Intersignal, ID, News	0208	HKN
15150,0	0605	44253	IRN	IRIB	A	//15084,ID, News,Talk PX	0708	ABW
15150,0	1120	33433	IRN	IRIB Mashad	A	Childrens Hour	2207	WBS
15160,0	0235	25433	CTR	REE Relais	S	ID, spanische Folklore	2507	HKN
15160,0	1200	33433	POR	RDP Lisabon	P	Px to NoAm, ID	0807	WBS
15195,0	2154	34433	GUM	KTWR Agana	BI	ID Adr. I n INS, Folkl Mx	3107	ZL
15205,0	0206	34333	CLN	DW, Trincomalee	D	Sendung Stadtbummel,	2407	HKN
15240,0	0740	34443	AUS	R. Australia	E	Local MX, ID	0706	HGA
15250,0	1205	34443	ROU	RRI Bukarest	ROMA	Roma Parlament	0807	WBS
15290,0	0940	54343	JOR	Jordan Radio Amman	A	Rel. PX with Muezin	0908	ABW
15344,6	2033	23443	ARG	R.Nacional	S	Fußball,Gooolooool	0907	HSO
15350,0	0945	43443	TUR	V.o. Türkei	VN	Intern. MX., ID	0908	ABW
15355,0	0600	35433	GAB	NHK, Moyabi	D	Nachrichten, Börse,	2807	HKN
15405,0	1800	43433	ROU	R. Rumänien Inter	VN	Folkl MX, Event, ID	0107	ABW
15410,0	2116	24444	???	V.o.A	E	Sport,Wimbledon	0907	HSO
15475,0	1720	34433	GAB	Afrika Nr.1	F	Fokl MX, ID	2807	ABW
15485,0	1546	45333	RUS	VO Russia	D	Ferienzeit - die Russen	2607	HKN
15515,0	1730	53444	TUR	V.o. Türkei	D	IS, ID, TA, News	2807	ABW
15595,0	0355	25333	IRN	IRIB Teheran	SWAHIL	Jingle, ID// 15125 + 15260	2407	HKN
15680,0	1741	43443	CHN	CNR 1	VN	CM, ID, NX	2807	ABW
15705,0	1235	23332	KAZ	V.o. Tibet, Almaty	VN	Talk PX	0807	WBS
15754	1744	55444	USA	WEWN	E	Rel. PX, Prayer	2807	ABW
17535,0	1350	55444	ISR	KOL Israel	VN/E	ID,IS, News, Folkl MX	1207	ABW
17560,0	1746	55444	ARS	BSKSA ???	A	ID, News	2807	ABW

17595,0	1335	24342	E	REE Madrid	S	MX, ID	3105	HGA
17605,0	1925	35433	ATN	R. Netherland, Bonaire	E	ID,News,borders are open,	2407	HKN
17610,0	0401	25422	IRN	IRIB Teheran	A	// 11680 + 13775 + 15150	2407	HKN
17650,0	2000	53443	USA	WHRA	E	Rel. PX, ID	0608	ABW
17660,0	1932	34333	EQA	HCJB, Pifo	E	ID, Hörerbrieft, new life	2407	HKN
17675,0	0612	34433	NZL	R. New Zealand	E	Local MX, Talk	1206	HGA
17680,0	1110	44554	JOR	R. Jordan, Amman	E	ID, Wiener Walzer,	0807	WBS
17740,0	1115	22322	IND	AIR Aligahr	THAI	ID, IS, //13630, 17895	2207	WBS
17795,0	1930	33343	EQA	HCJB	D	ID, PX Talk, Folkl MX	2107	EAM
17885,0	1110	33333	KWT	R. Kuwait	???	MX-PX=E-MalAY-Ins	2207	WBS
18920,0	1500	25342	TUR	TRT		2nd harmonic of 9460	2807	RP
21459,9	0910	44444	PAK	R. Pakistan, Islamabad	URDU	Talk about China//17835,2	0207	WBS
21460,0	1101	34443	PAK	R. Pakistan	E	Slow Speed News Intern.	0907	HGA
21460,0	1530	35433	D	VO Hope via Jülich	E	100 kW, Jesus on your live	2607	HKN
21470,0	1222	24332	IRN	IRIB Sirjan	E	ID, QRG, //21730	0807	WBS
21470,0	2100	45444	EQA	HCJB, Pifo	D	Neues u. der Ecuadorsonne	2707	HKN
21490,0	0900	35333	ROU	RRI Bukarest	D	//15180, 15270, 17745	0207	WBS
21499,8	1220	22322	CHL	Voz Christiana	S	Light Rel. Songs	0807	WBS
21545,0	1100	22322	IRN	IRIB Sirjan	A	Arab Serv. //15150	2207	WBS
21715,0	0044	25433	TUR	VO Turkey	TÜRK	Bericht : Irak & Hussein	0508	HKN
21775,0	0730	25333	IRN	IRIB Teheran	D	Nachrichten, Kommentar,	1108	HKN
21815,0	2210	15322	CTR	RfPI	E	SSB; neue Frequency,	2407	HKN
21825,0	2217	25333	???	REE, Standort unbekannt	S	Freq, ist n. gelistet // 7270,	2407	HKN

OVERSEAS LOGBOOK

With loggings from Canada and USA

Frequency	UTC	SINPO	ITU	Station	Language	Programme details	Date	RPT
4752,7	1022	22322	PRU	UNID	S	Huaynos and Folk MX	0208	ASA
4775,0	1009	33422	PRU	R. Tarma	S	Anns : ..y ahora comencamos	1008	ASA
4775,0	1044	23232	PRU	R. Tarna	S	Greetings, ID	0208	ASA
4795,0	0942	24332	B	R. dif. Aquidauana	P	MX: pantaneira, Talk	1008	ASA
4826,3	1051	23332	PRU	R. Sicuani	S	Huaynos nMX, ID, ADV	0208	ASA
4975,1	0959	33322	PRU	R. del Pacifico	S	Rel. PX, Com. About live	1008	ASA
4992,4	1019	23432	S	R. Ancash Huaraz	S	Talk by YL about Quechua	1008	ASA
5039,1	1015	24322	PRU	R. Libertad (tend)	S	Local MX, Talk	0208	ASA
5055,0	0951	32332	B	R. dif. Caceres	P	Rel. Px	1008	ASA
6194,7	1007	24332	PRU	R. Cusco	S	National News, ID	0208	ASA
7415,0	0357	45333	USA	WBCQ the Planet	E	W. John P. Lihgtning	2606	RL
9905,0	0455	55533	SUI	SRI Switzerland	E	Capital Letters PX	2506	RL
11700,0	0210	34433	BUL	R. Bulgaria	E	Folk Studio, mid Summer	2606	RL
15048,0	0235	?????	CTR	RFPI Costa Rica	E	RFPI Mailbag w. Ryan	2506	RL
15565,0	2240	45543	BEL	R. Vlaanderen Inter	E	Radio world at 0400	2506	RL
17675,0	0327	35543	NZL	R. New Zealand	E	Mailbox PX, Celine Dion	2206	RL
17865,0	0134	33443	???	RAI R. Austria	E	//9655, Leter from Austria	2406	RL

With loggings from Asia and Japan

Frequency	UTC	SINPO	ITU	Station	Language	Programme details	Date	RPT
2410,0	1135	45333	PNG	R. Enga	E	Local MX PX	1207	GIC
3223,0	1345	24332	IND	AIR Shimla	HINDI	Dialog by YL and OM	2507	GIC

3232,0	1140	14334	INS	RRI Bukittiinggi	VN	Talk PX in VN	1608	GIC
3264,7	1220	44433	INS	RRI Gorontalo	VN	News by OM, ID of RRI	0807	GIC
3390,0	1320	24333	IND	AIR Gangtok	VN	Dialog by YL and OM	1507	GIC
3905,0	1335	43433	INS	RRI Merauke	VN	Talk and MX PX	1607	GIC
3976,0	1150	25333	INS	RRI Pontianak	VN	Talk PX	2407	GIC
4606,0	1333	23332	INS	RRI Serui	VN	Local MX Px	2507	GIC
4620,0	1337	33333	CHN	PBS Nei Menggu	MONG.	Talk by OM,local Px	2507	GIC
4753,4	1230	????	INS	Rri Makassar	VN	President talk	1608	JYJ
4753,4	1325	34443	INS	RRI Ujung Pandang	VN	Local Pop MX	2507	GIC
4760,0	1220	33322	IND	AIR Port Blair	VN	Local ID, Talk by YL	1607	GIC
4781,4	0608	25111	MLI	R. d. Mali	VN	ID, Calypso MX	1508	GIC
4824,4	1035	33322	PRU	L. Voz de la Selva	S	Talk PX by OM	1507	GIC
4844,9	0642	44333	MTN	RTV Nouakchot	A	Talk in A, ID at 0700	1508	GIC
4855,0	1135	34333	INS	RRI Sorong	VN	Talk by YL,local MX	1607	GIC
4925,0	1150	44433	INS	RRI Jambi	VN	ID by YL, Local MX	1207	GIC
5030,0	1156	????	INS	RRI Sibolga	VN	//3214,8, 3264,6, 3905,0	0907	JYJ
5040,0	1509	3333	INS	RRI Pekanbaru	VN	Folkl MX, Local ID	1708	JYJ
5679,5	1125	14331	PRU	R. Ilucan	S	Poor Signal, ID,Talk	1308	GIC
5985,0	2015	33443	CGO	RTV Congolaise	F	ID, Afro POP	1208	GIC
5985,0	2054	34333	CGO	RTV Congolaise	F	ID, PX with Jamming	2307	GIC
5994,8	0935	44444	AUS	R. Australia	E	/6020,Report&Interwiev	1308	GIC
6070,0	0850	22332	CHL	L. Voz Christiana	S	ID, QRG, Local MX	1507	GIC
6130,0	1158	44444	LAO	Laos National Radio	VN	ID by OM, NA, Talk PX	1608	GIC
6157,8	1445	33443	INS	RRI Biak	VN	Phone in , Closing Talk	1708	JYJ
6200,0	0127	25221	IRN	IRIB Teheran	A	Talk about Iran, no ID	2407	GIC
7165,0	1310	34333	NPL	R. Nepal	VN	ID as: Yo Radio Nepal....	1407	GIC
7231,0	0950	?????	INS	RRI FAK FAK	VN	ID, POP MX	1607	JYJ
7255,0	2204	45433	NIG	V.O.Nigeria	VN	PX Talk about next Week	1308	GIC
7425,0	1110	35333	USA	WEWN	E	ID“This is WEWN ...“	1307	GIC
9925,0	0129	45423	ARM	R. La Palabra	S	Anns: La Onda Cosmica	1408	GIC
11720,0	0755	35433	NZL	R. New Zealand Inter	E	Song MX, Magazin, ID	1308	GIC
11820,0	2302	35544	PHL	R. Veritas Asia	BI	Talk about some topic	2307	GIC
11935,0	2208	34323	JOR	R. Jordan, Amman	VN	Holy Quoran PX	2307	GIC
12005,0	2010	34333	TUN	R.dif. Tunesienne	A	Folkl MX, ID	1408	GIC
13810,0	0830	?????	D	ORB Brandenburg	D	PX“Love Parade Berlin“	0807	GIC
15105,0	0026	34322	ROU	RRI Bukarest	S	Folkl Mx,Rum.Compositor	1807	GIC
15140,0	0045	55555	EQA	HCJB Quito	S	Prayer, ID,	1807	GIC
15215,0	0059	55544	USA	WYFR	P	Rel. PX	1807	GIC
15275,0	0105	45434	????	DW Köln	D	//15410, ID QRG,	1807	GIC
15315,0	0125	55555	ATN	R. Netherland (Relais)	DUTCH	ID, QRG, Internetadr.	1807	GIC
15330,0	0126	33333	USA	R. Marti	S	PX with Jamming	1807	GIC
15375,0	0148	45543	CHL	L. Voz Christiana	S	Rel. PX	1807	GIC
15425,0	0154	15312	CLN	SLBC Colombo	P	0200 TS, ID, Fading	1807	GIC
15495,0	0205	55543	KWT	R. Kuwait	???	Talk PX	1807	GIC
15585,0	1800	?????	G	World Beacon Radio	E	ID „You are Listening ...“	0507	GIC
15640,0	1832	45544	ISR	KOL Israel	HEBR.	Promotion about POP Mx	2307	GIC
21755,0	0901	45444	NOR	R. Norway Inter	VN	Talk, next R.Denmark	1408	GIC

*) UNID on 6295,0 kHz is Reflection Europe from Ireland. Broadcasting only on Sundays from 17.15 to 23.15 UTC. Parallel frequencies are 3910 (500 W) + 12255 kHz (200 W). 6295 kHz has 2 kW. Existing already since 1988 - since then caring for a licence, but still broadcasting without a licence. Therefore a pirate in my opinion. Only relaying religious broadcasters. (Hans-Joachim Koch)

Next is a monitoring list heard in Jakarta and Makassar from 5 August 2000 to 13 August 2000.

- 540 RRI Bandung, heard in Jakarta. Irregular broadcast.
558 Unidentified, heard in Jakarta.
576 Unidentified, heard in Jakarta.
585 RRI Surabaya, heard in Jakarta.
612 Unidentified/ heard in Jakarta.
630 RRI Makassar. heard in Makassar.
639 Unidentified, heard in Jakarta.
666 Unidentified, heard in Jakarta.
684 R.Awara Pakusarakan Pratika, Sawangan(presumed), heard in Jakarta
720 Suara Simpati Angkasa(Susia), Pinrang(presumed), heard in Makassar.
738 R.Bharata, Tangerang, heard in Jakarta.
756 Unidentified, heard in Jakarta.
792 Unidentified, heard in Jakarta.
801 RRI Semarang, heard in Jakarta.
828 Unidentified, heard in Jakarta.
828 R.Christy, Makassar, heard in Makassar.
855 RSPD Bekasi, heard in Jakarta.
873 R.Sipatahunan(Suara Bogor), Bogor, heard in Jakarta.
882 R.Pelangi Nusantara, Jakarta, heard in Jakarta.
SOO Unidentified/ heard in Jakarta.
918 R.EI Nury, Bogor, heard in Jakarta.
936 R.P2SC, Jakarta, heard in Jakarta.
972 R.ADS, Jakarta, heard in Jakarta.
990 R. Suara Sowengading, Wonomulyo, heard in Makassar.
999 RRI Jakarta, Programa Nasional Satu, heard in Jakarta & Makassar.
1035 RRI Tanjungkarang, heard in Jakarta.
1062 R -Cendrawasih Pusat, Jakarta, heard in Jakarta.
1098 R.Universitas Tarumanagara, Jakarta, heard in Jakarta.
1107 RRI Yogyakarta, heard in Jakarta.
1134 RRI Banjarmasin, heard in Jakarta & Makassar.
1152 R.Venus CMI, Makassar, heard in Makassar.
1170 Unidentified, heard in Jakarta.
1188 Unidentified, heard in Jakarta.
1206 Unidentified, heard in Jakarta.
1215 RRI Jakarta, Programa Ibukota Dua, heard in Jakarta.
1233 RRI Bandung, heard in Jakarta.
1242 RRI Bogor, heard in Jakarta.
1260 Unidentified/ heard in Jakarta.
1260 RRI Makassar(Harmonics of 2X630kHz). heard in Makassar-
1269 Unidentified, heard in Jakarta.
1287 RRI Palembang, heard in Jakarta.
1332 RRI Jakarta, Programa Ibukota Satu, heard in Jakarta.
1359 RRI Makassar. heard in Makassar.
1395 Unidentified, heard in Jakarta., heard in Jakarta.
1413 RRI Siboga, heard in Jakarta.
1445v R.AWN, Jakarta, heard in Jakarta.
1485 Suara Jakarta, Jakarta, heard in Jakarta.
1512 Unidentified, heard in Jakarta.
1530 Unidentified, heard in Jakarta.
1557 Unidentified, heard in Jakarta. (Juichi Yamada, JAPAN)

Thanks a lot for your contribution:

ABW : Alfred Becker, Wiesbaden, Germany, Panasonic DR 49, 20 m Lw. Balun
 ASA : Arnalda L. Slaen, Argentina, RX: no Details
 EAM : Eberhard Ahl, Mainz, Germany - Kenwood R-5000, Ant. 25m Lw mit Balun
 GIC : Gaku Iwata, Chiba, Japan, FRG 7700/NRD 535D, AD 30, 20 mLw. ,(JG2WFU/1)
 HKN : Hans-Joachim Koch, Niddatal, FRG-AOR AR7030, 20m Lw, window antenna.
 HGA : H.V. Gelder, Arnhem, Netherlands, NRD 525, 12,5 m. Lw. + Balun
 HSO : Horst K. Schmidt, 61440 Oberursel, Germany - Drake R7,FL2,GD82NE, FRT 7700 mit Burdewickverstärker, JPS A1
 ATAI, Inv.V, Sloop, LD 10 m, Q-TEK HF 30.
 HSS : Horst K. Schmidt, DX-Camp of KWFR in 59846 Sundern - Allendorf, Bieberhütte, Germany. Drake R7, FL2, GD82NE
 liegende V-Antenne, drei Beverages, Q-TEK HF 30, Schrägdipol K60/90.
 JYJ : Juichi Yamada, Japan, Receiver and Antene unknow
 WBS : Werner Büschel, Stuttgart, AOR 7030, Sony ICF 2010, Kenwood R-1000, FRT 7700, 12m. Lw.
 RL : Richard Lemke, St Albert, Alberta, CAN – JRC NRD-535 HF w/random longwires.
 RP : Rumen Pankov, Sofia, Bulgaria - Sony ICF 7600SW with 10 m longwire (MW: ferrite antenna)
 ZL : Zacharias Liangas, Thessaloniki, GREECE ,LOWE HF150, Sony ICF7600D, Yupiteru MVT7100

Liebe Hobbyfreunde / Dear OM,

die Logs wurden schon erheblich besser, aber bei verschiedenen Einsendern vermisse ich die ITU Kenner, denn diese sind nun mal notwendig, um einen ordentlichen Log schreiben zu können. Ansonsten gilt immer noch die Suche nach einem würdigen Nachfolger für das Logbuch. Frage, wer erbarmt sich dessen? In der Hoffnung Euer Logbuch Editor.

Very nice logbook this month! However, I should be very thankful if our contributors could also mention the ITU country codes in their logs. In addition, we have still not found a new permanent LOGBOOK EDITOR. Please remember that I have taken over this job only for a limited period of time. Therefore we still need a volunteer for our Logbook section. If you are interested to compile our LOGBOOK in the future, please do not hesitate to contact us. We shall be pleased to inform you about all necessary details.

73's from your editor,

Eberhard Ahl




Isle of Man



(continued from DX MAGAZINE 7)

QSL CORNER

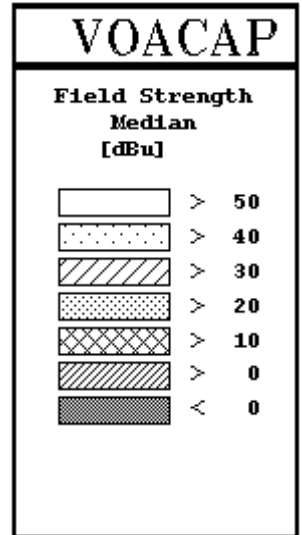
Editor: Richard Lemke, 60 Butterfield Crescent, St. Albert, Alberta, T8N 2W7, CANADA

Country	Station	QSL	Time	ORG	Remarks	OM
Norway	Radio Denmark Relay	C	780 d		v/s, Birthe Bogel	MH
Norway	Radio Denmark Relay	C	33 d	13.805	v/s, Kate Grundl	MH
Norway	Radio Denmark Relay	C	11d	7.540		MH
Norway	Radio Norway	C	33 d	13.805	v/s, Monica Euger.	MH
Norway	RNI	C	25 d	13.800		MH
Peru	Radio Ilucan	C		5.678	V/s, Jose Galvez Salazar	DC
Portugal	R.Diffusao Portugal	C	72 d	15.200	via, K.D.S.	MH
Romania	R. Moldova relay	L	488 d	7520		MH
Romania	Radio Romania	C	65-211 d	6.155	v/s, F. Dochinou	MH
Romania	Radio Romania	C	81d	9.570	v/s, F.Dochindu	MH
Romania	Radio Romania	C	74-109d	7195		MH
Romania	Radio Romania Int	C	102 d	5.990	v/s F. Dochinov	MH
Russia	IslamsKaya Volna	C	180 d	9.730		MH
Russia	V.of Mediteranean Relay	C	38 d	9.765		MH
Russia	Voice of Russia	C	66 d	15595		MH
Russia	Voice of Russia	C	66d	7.170		MH
Russia	VOR, via GPR-2	C	535 d	13.650	v/s, Mikhail Jimofeyev	MH
Rwanda	DW, Relay	C	120d	11.785	v/s, B.Klaumann	MH
Sao Tome	VOA, relay	C	30 d	4.960		MH
Sao Tome	VOA, relay	C	39 d	7.290		MH
Saudi Arabia	BSKSA	C	109 d	11.935	V/s, Suliman Samnan	MH
Saudi Arabia	BSKSA	C	224-311d	9.555	v/s, Sulaiman Samnan	MH
Singapore	Radio Japan, Relay	C	210d	11.860	v/s, Y.Fushimi	MH
Singapore	SRI, relay	C	25d	9.575		MH
Slovakia	AWR, Europe	C	86 d	11.610		MH
Slovakia	Radio Slovakia	C	59 d	11.990		MH
Slovakia	Radio Slovakia	C	38d	5.930		MH
South Africa	Channel Africa	C	175 d	7.155		MH
South Korea	Radio Korea Int.	C	46-60d	15.575		MH
South Korea	Radio Korea Int.	C	143d	15.575		MH
South Korea	RKI	C	51-182d	9.870		MH
Spain	REE	C	72d	6.055		MH
Spain	RFE/ RL, Relay	L	22d	7.220	v/s, David Walcutt	MH
Spain	RFE/RL, relay	L	88d	7.155	v/s, David Walcutt.	MH
Sri Lanka	VOA, relay	C	45 d	15.395		MH
Sri Lanka	VOA, Relay	C	38d	7.115		MH
Swaziland	TWR	C	68 d	4.775	v/s, Mrs. L. Stavropoulas	MH
Sweden	Radio Sweden	C	112 d	7.135		MH
Sweden	Radio Sweden	C	11-24d	7290	v/s, OLE ADLIR	MH
Switzerland	SRI	C	32 d	9.745	French Language Services.	MH
Switzerland	SRI	C	34d	9.840		MH
Switzerland	Swiss Radio Int.	C	60 d	12.075		MH
Thailand	Radio Thailand	C	106d	15.395		MH

SW Reception Propagation of Radio Pakistan

Because we have in this issue of DXM a new schedule compiled from several sources for Radio Pakistan, after a very long period of absence of a sked. The internet web pages of Radio Pakistan with frequency schedules last updated on 17th of December 1998. So according to the data of our news section, the propagation maps for English and French transmissions are shown. The English news at 1100-1105 transmitting on 21460 kHz (see pic. no. 1) will cover more targets than the other frequencies at this time and same frequencies at 0800-0805. At 1600-1615 UTC best frequencies in respect to coverage are 11570 (see pic no. 2), 15100 and 15725 kHz (both similar to 11570). The one and only French transmission at 2000 UTC on 11570 kHz may be heard also at the East coast of Canada (see pic. no. 3), 11640 is similar. The French transmission will be heard very well in Africa. At all times and on all frequencies there will be good reception conditions in Australia and Asia.

Version 98.0714W



(JKB - j.kubiak@gmx.net)

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

Month: October 2000.

Sunspot number: SSN = 138

(<http://www.ips.gov.au/papers/richard/ssnpred.html>).

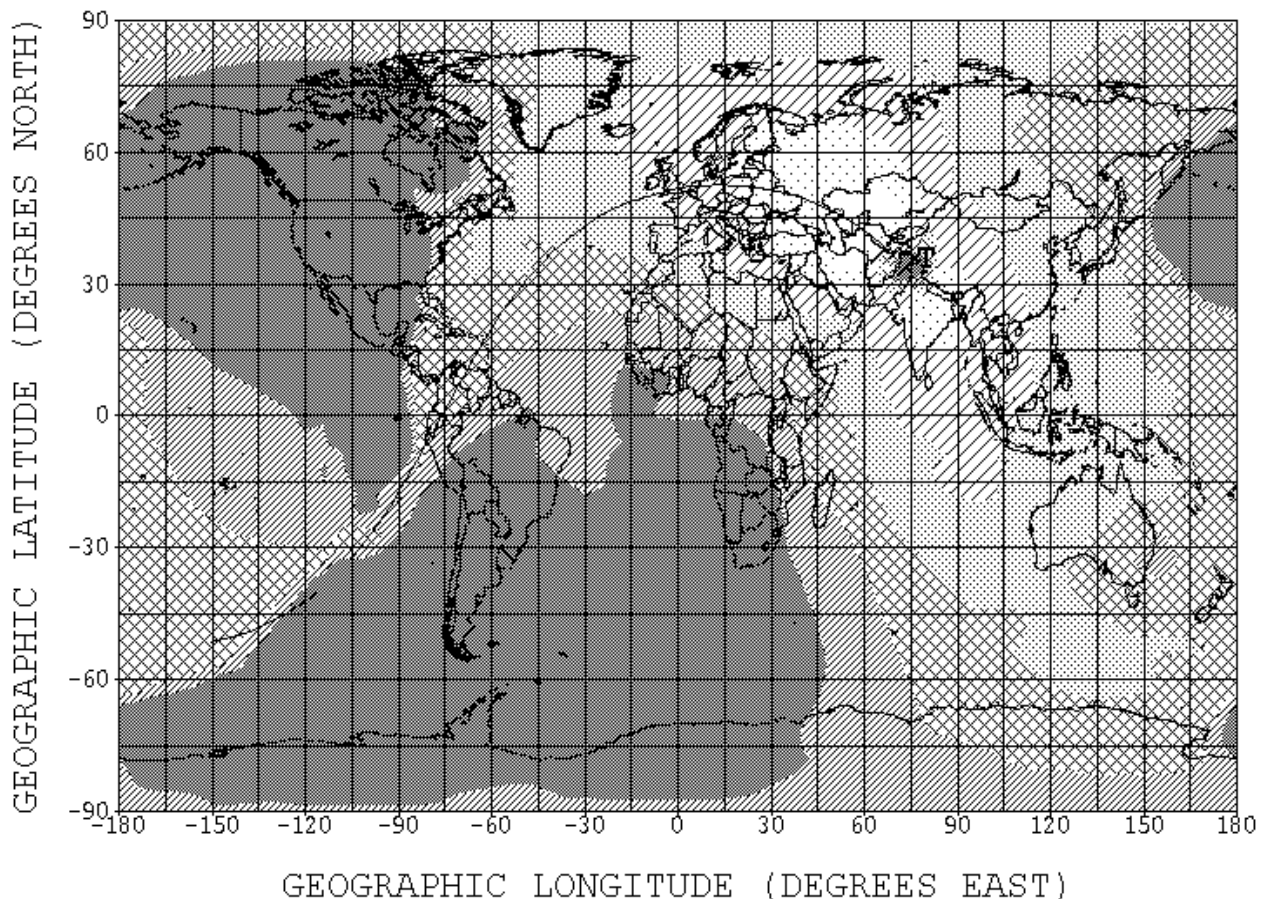
Transmitter power: 100 kW.

Transmitter antenna: HR/2/2/0.5.

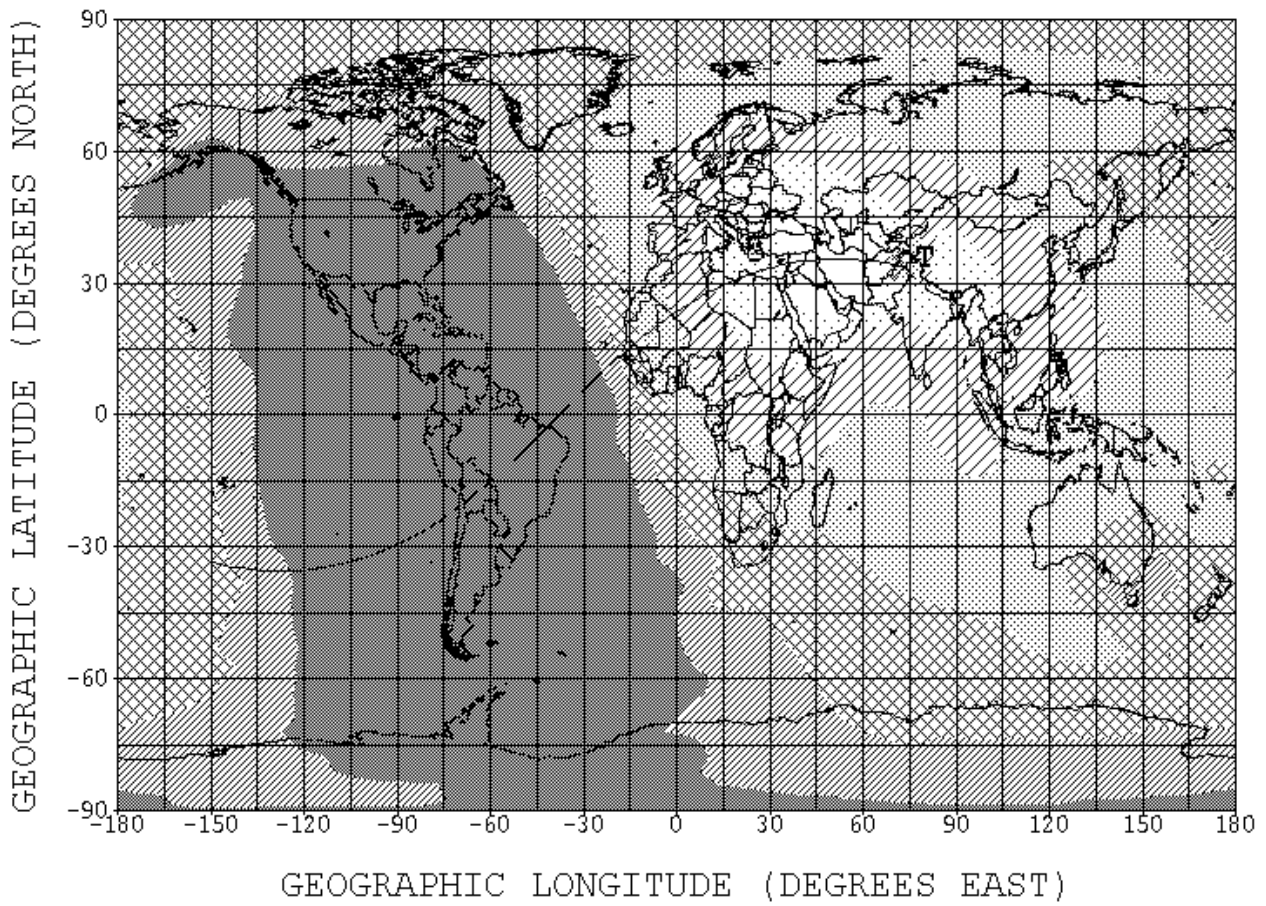
Receiver telescopic antenna: No beam. Gain 0 db.

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

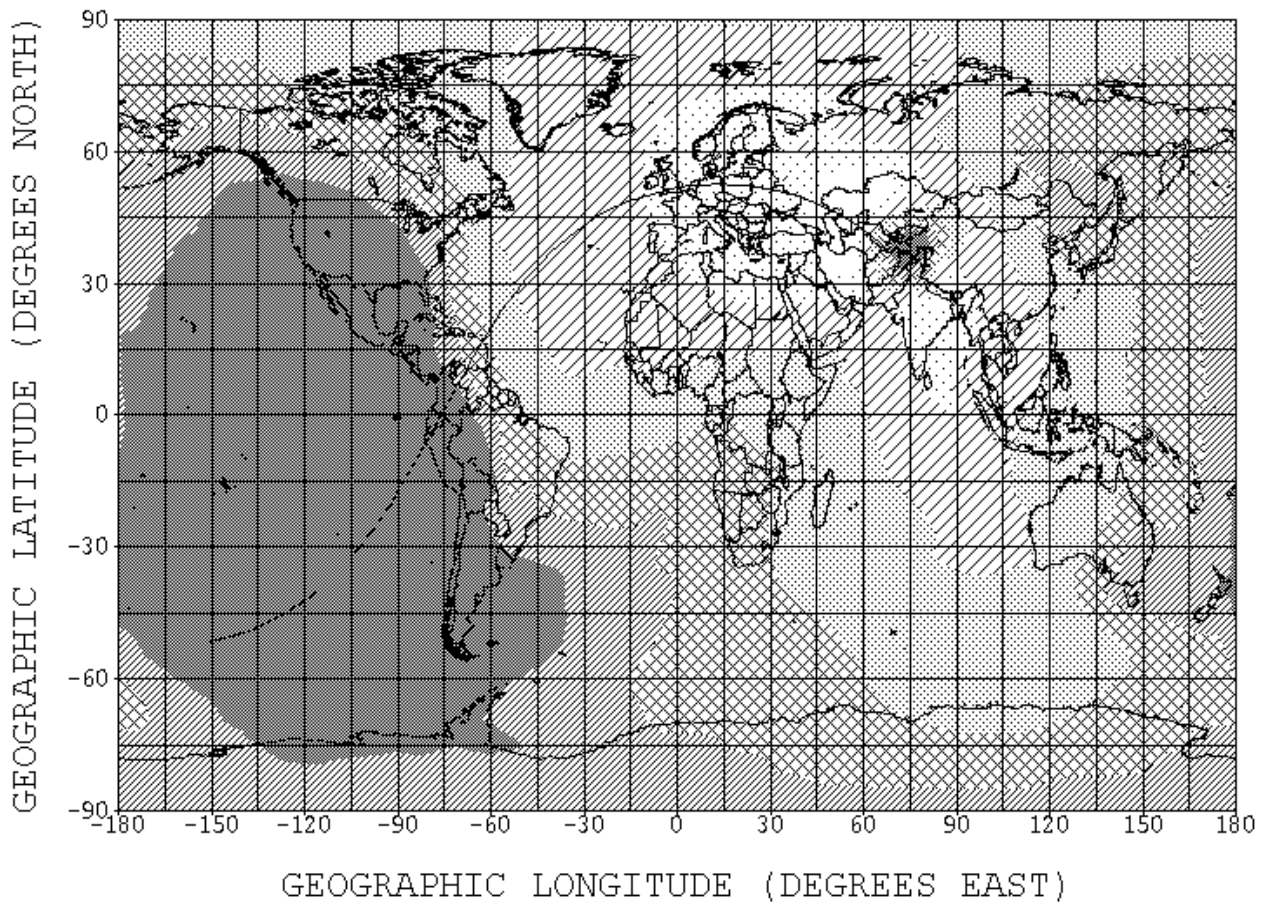
CCIR coefficients



Pic.1: Radio Pakistan at 1100 UTC on 21460 MHz, beam 313 degrees.



Pic.2: Radio Pakistan at 1600 UTC on 11570 MHz Band frequencies, beam 282 degrees.



Pic.3: Radio Pakistan at 2000 UTC on 11570 kHz, beam 313 degrees.

ADVENTIST WORLD RADIO - "New Millenium DX Contest" - QSL Stamps



Adventist World Radio announces the full details of its New Millenium edition of the yearly DX contest, which is a regular event in the annual calendar of the global DX program, "Wavescan" Listeners are invited to check their files to discover who has amassed the largest collection of AWR QSL stamps. Listeners are also invited to check their QSL collection for various designs and styles and details of QSL cards issued in earlier years for AWR broadcasts over Africa No 1 in Gabon, and from Union Radio in Guatemala. Additional bonus points may be scored by providing three radio cards, and by submitting a reception report on an AWR transmission.

Contest Requirements in Full Detail

PART A: AWR QSL STAMPS

How many different AWR QSL stamps do you have in your collection? Each stamp must be different, and each stamp must be supported by an AWR QSL card, one card per stamp. You may count the old series of AWR QSL stamps as well as the current series. Each QSL stamp must contain, in the white panel, a printed or rubber stamped or hand-printed identification or a year.

PART B: AWR QSLs FROM AFRICA & GUATEMALA

1. How many different QSL cards do you have in your collection from AWR Africa during their era of broadcast from Africa No 1 in Gabon? Please submit photocopies of each different card.
2. How many different QSL cards do you have that verify AWR broadcasts from Union Radio in Guatemala? Please submit photocopies of each different card.

PART C: FUTURE DX CONTESTS

Over the years, we have conducted a great variety of different kinds of DX contests. Now it is your opportunity. What are your suggestions for a DX contest? You may list several suggestions.

PART D: RADIO CARDS

Where possible, please enclose three radio cards for the AWR Historic Collection. These may be old or new or blank QSL cards, or old or new radio postcards. Not valid for this contest are amateur QSL cards nor CB QSL cards.

PART E: RECEPTION REPORTS

Please enclose at least one reception report of an AWR broadcast on shortwave. Additional reception reports will be welcomed, and each will be verified with an AWR QSL card. However, additional reception reports will not increase the contest score.

AWARDS

1. The world winner for the AWR "New Millenium DX Contest" will receive the 2000 Bronze Medallion, and an autographed copy of Jerry Berg's highly acclaimed book, "On the Short Waves".
2. Additional continental winners will receive a copy of their choice, either "Passport to World Band Radio 2001" or "World Radio TV Handbook 2001", as well as a laminated sheet of AWR QSL stamps.
3. Several hundred additional awards are available, including "Shortwave Receivers, Past & Present", "Buying a Used Shortwave Receiver", AWR books, curios & souvenirs.
4. Remember too, that all reception reports will be verified by a new AWR QSL card. Regular and special AWR QSL stamps will also be issued.

THINGS TO REMEMBER

After a break for lunch, Roger Chambers -- a U.S. DXer from New York -- spoke about the DX Edge and tropical band DXing. Then Allen Graham, host of the popular DX Partyline program on HCJB Radio in Quito, Ecuador, talked about developments at his station. The final presentation of the day was in English (with simultaneous translation into Spanish) by Anker Petersen of the Danish Shortwave Club International, who told the Mexican DXers about the Danish club's experiences with the Internet and its influence on shortwave clubs. His message was clear: In Europe, DXers have more and more access to the Internet and they are spending more and more time on it. A wealth of timely DX information is available for free on Internet sites maintained by clubs and stations, and DX clubs have found it necessary to produce electronic DX bulletins in addition to their printed publications. This seems to be the wave of the near future in Europe, but it may be quite some time before regular Internet access by most Mexican DXers becomes commonplace.

Several broadcasters donated souvenir items to a raffle which was held. The local Radio Shack store, which had an exhibit booth at the Encuentro, donated a shortwave receiver to the raffle as the grand prize. The winner was Porfirio Mendez, head of "DX-Istmo," a club based in the Istmo region of southern Oaxaca state. And DX-Istmo became the newest member (#5) of the Mexican DX clubs which organize these annual Encuentros. The day ended with a "DX Night" where participants brought their shortwave receivers and pulled in some exotic stations from Africa among other places.

After a late night of DXing, the meeting participants continued Sunday morning with a talk by Julian Santiago of Mexico City about a new Spanish-language DX program he is hosting on the shortwave frequency of Radio Mil (6010 kHz) and about some audience research he has been doing. More meaty issues were tackled in a presentation about the challenge of getting more women interested in shortwave listening, and representatives of Radio Mexico International talked about the future of shortwave broadcasting and their campaign to promote awareness of shortwave radio among the general public in Mexico. Dramatically, just as the meeting was coming to an end, an e-mail message was received from Jose Ruben Rivera in Guanajuato (some 360 kilometers northwest of Mexico City) accepting the organization of the Seventh Meeting of Mexican DXers and Shortwave Listeners, to be held in his city in August of 2001. Guanajuato, he explained, is another colonial town rich with cultural treasures, museums, churches and much more items of interest to the tourist.

After the official closing of the Meeting, a majority of the attendees stayed on to take a four-hour bus tour to the ancient Zapotec ruins of Monte Alban on the outskirts of Oaxaca. One could marvel at the pyramids, tombs and ball courts composing this city which flourished from around 700 BC to 700 AD. And it was certainly enjoyable to tour this piece of history together with radio colleagues from throughout Mexico and beyond. In fact, it is the human contact which is generally the most enjoyable aspect of these Mexican national DX meetings. Beyond the seminars and lectures, the personal contact creates friendships that last for many years. Most of those who attend the Mexican DX meetings have very limited financial resources. Some spend several weeks' worth of salary to travel to the event, showing their great dedication to the hobby. Until now, there has never been a registration fee for the Encuentros; everyone just pays their own transportation, lodging and meals. Local governments have provided the meeting places free of charge or at very low cost, and the organizers have paid most of the expenses out of their own pockets. That will change next year, as the clubs voted to institute a 50-peso-per-person registration fee. (That's about 5 U.S. dollars.)

More details should be available about the Encuentro 2001 in Guanajuato during the next few months. Those who would like to receive complete details when they become available can send an e-mail to: <info@wrmi.net>.

☆☆

HF SURFACE RADAR - RAYTHEON RADAR

Raytheon Systems has developed a HF surface radar. According to AviationWeek and Space Technology magazine (Jan. 10, 2000) the radar operates between 3-6 MHz and will also operate between 15-20 MHz.

Raytheon Systems Canada Ltd., a subsidiary of Raytheon Company (NYSE: RTNA, RTNB), has developed and successfully demonstrated a shore-based, long-range High-Frequency (HF) Surface Wave Radar in collaboration with the Canadian Department of National Defence.

Designated HF SWR-503, Raytheon's surface wave radar is an oceanic surveillance system for monitoring such illegal activities as drug trafficking, smuggling, piracy, illicit fishing and illegal immigration. In addition, it may be used for tracking icebergs, environmental protection, search and rescue, resource protection, sovereignty monitoring and remote sensing of ocean surface currents and winds. Because of its long-range capability, Raytheon's HF SWR-503 allows a coastal nation to monitor surface and low-level airborne targets up to and beyond its 200-nautical-mile (nm) Exclusive Economic Zone (EEZ).

Lionel Leveille, president and general manager of Raytheon Systems Canada Ltd., said, "Raytheon is the first to have successfully demonstrated the long-range detection and tracking capability of this system at ranges beyond 200 nautical miles."

The Canadian system consists of two land-based, long-range radars and an Operations Control Center (OCC). The two unmanned radars provide coverage of the Grand Banks region of Newfoundland renowned for its offshore resources, particularly fisheries and oil fields.

Extensive performance testing of the system was conducted using two fully functional radars in conjunction with alternate surveillance sensors, such as airborne radar, spotter aircraft and surface patrol craft, which provided target verification. Raytheon's HF SWR-503 successfully detected and tracked all targets observed by these other sensors, marking the world's first successful demonstration of HF surface wave radar technology for EEZ monitoring activity.

One hundred six coastal states currently have economic jurisdiction up to the 200-nm limit under the terms of the United Nations Convention on the Law of the Sea. It is to the benefit of these coastal nations to establish and maintain administration, law enforcement and environmental protection over this maritime zone.

Raytheon's long-range HF radar is the first land-based sensor that can provide continuous, all-weather and real-time surveillance of EEZ waters.

Leveille added, "Raytheon's HF Surface Wave Radar is a major breakthrough providing greatly improved oceanic surveillance at a fraction of the cost of traditional methods. It complements existing surveillance assets and will dramatically increase the effectiveness of air and surface patrol missions by vectoring them directly to targets of interest."

Raytheon Company, based in Lexington, Mass., is a global technology leader that provides products and services in the areas of commercial and defense electronics, engineering and construction, and business and special mission aircraft. Raytheon has operations throughout the United States and serves customers in more than 80 countries around the world.

(Corporate Communications <corpcom@raytheon.com> via Richard Buckby G3VGW)

☆☆

RADIO IN INDIA

by Robert Foxworth

Asia MW Notes

I returned from an Asian trip a few days ago. My friend Patty has an older brother David who is running the South India Christ Church Mission out of Chennai (Madras), Tamil Nadu State. This mission was founded by her parents, who went there from Indiana in 1950, and I accompanied her for a family visit back "home".

Our travel took us to southern India, (in Tamil Nadu and Kerala), Sri Lanka and Singapore. I brought along my DX-375 portable of "Jamaica Bandscan" fame which can be set for 9 kHz steps on MW band tuning (a fact of which many Radio Shack dealers are blissfully unaware..) This rx is OK for checking locals but is marginally adequate for attempts at serious distant night time MW listening. I actually did not spend a great deal of time DXing, most of my time so spent was on MW, but the band gets "stale" fairly fast due to the self-similar programming.

I would characterize broadcasting in India probably the most undeveloped, unimaginative programming I have ever heard, but often I would find enjoyable local music on Chennai-A (720) and just hang out there and listen, with some nice sitar, veena, etc. Didn't chase 'film music'.

First, tropical band, I did some checks, no surprises found. I did find Andamans-4760 fairly easy to hear, the 60-mb stations from India were good, audio was fairly good on them. Lack of English pgms and knowledge of the regional dialects made this almost an exercise in 'list- logging' and since I haven't bought a WRTVH in many years, I don't have an extensive 'list' to offer. I found Radio Singapore Int'l -6150 quite entertaining especially when Pat wanted to hear something understandable (her Tamil is pretty rusty especially the 'high Tamil' used on the radio).

I did not do a 'bandscan' since I think those should be done for others who can actually use the results, but in the daytime from Madras there are probably a half dozen usable AM signals, most of which are IDed from the radio listing from The Hindu (see part 4) Decent signals included presumed Bangalore-612, Chennai-A on 720, Chennai-B on 1395, "Vividh Bharati"-783, unID on 882, Pondicherry-1215 and a few others I don't recall. Other signals were present at night, mostly unID. The VoA from Thailand-1575 was hrd only with fair signals in Special Eng. a couple of evenings, but not every night. BBC-1413 was decent, once in Eng. (did not seem to be BBCWS), once in I believe Arabic. The DW from Sri Lanka-1548 was always in German when hrd, sometimes mixing with Kuwait VoA a bit underneath and about 2 Hz apart. I never hrd 1548 in the pre-dawn hours, though and they were never really strong. The Saudi on 1440 however was consistently strong in Arabic. 1566 from Nagpur is called the "National Service" and was never better than fair level in the South, always in Hindi, occ. English, hrd at night only. I too suspect they are beamed away from where we were.

Most Indian regionals sign on between 0545 and 0555 local time which I recall is GMT + 5-1/2 hours. They put their carriers on a lot earlier and run tone test of (?) 600 to 800 Hz intermittently, and tones appear manually set (punching up several stations in memory, pre sign-on, showed each tone slightly different). However, Nagpur-1566 was always on before I woke up, and may be on by 5 AM. The regionals generally were in Tamil or Hindi and one can hear just "All India Radio - Chennai" and they will read the news, in local lang and sometimes a minute later, repeat the same (?) in English, for 1 or 2 minutes. Often the EE is obviously fed over a noisy phone line or picked up off a slightly mistuned receiver and just 'patched into' the broadcast. But the night the Budget was released, I hrd EE commentary on 720. I only heard time pips (5 pips) once, generally there is no special ID or fanfare music. I usually was too tired to hang around for sign-offs. There are constant power allocation problems, and stations would be missing at odd times during the day. It's not unusual to lose power for a couple hours every so often. It's still not yet the hot season, day temps were about 36 C - by May, they will be 45 - 50 C in the plains. The Tamil Nadu Electricity Board generates a lot of power from coal but gets supplemental from hydro in the Western Ghats, and that dries up in hot weather when they need it the most.

The FM dial in India is practically empty, only a couple signals noted, appearing relays of AM.

We stopped in Colombo for a day and stayed in the Galle Face, a really charming hotel built in 1864 and so evocative of the old British Colonial Raj days. Had afternoon Tea before dinner on the West Verandah. Unfortunately there has been a civil war going on there for decades. I wish I had space to describe getting/being there! In Colombo there were 4 local AM signals, 558 (pretty sure, lost my notes), 702, 873 and 1053. The 873 was all English, "Radio Sri Lanka" with soft-spoken variety pgms.

702 seemed to be the "important" station somehow, but all in Sinhala and completely unintelligible to me.

The other two were always hrd with talk in sometimes Sinhala, or other lang, maybe Tamil. Also heard and (acoustically) taped some local mx.

I had no chance to trace s/on-s/off times. The dial is loaded with many FM signals, some in Eng., lots of multiple-site operations. Did not check any SW.

There is a similar situation in Singapore, I hrd on our first (going) visit 2 AM's daytime 576 and 1575 which probably came from Johore Bahru (Malaysia). At Sentosa Beach the only AM signal was probable Indonesian from Kep. Riau on 1341. There is even greater FM activity here, with many local signals heard, "Gold 90" a good one and you can hear the Flying Dutchman morning show with traffic tie-up reports on the CTE and the ECP, just like home. Since Eng. Malay, Mandarin and Tamil are all in common usage here, many stations exist to fill the need.

The Newspapers in India (Messenger) and Ceylon (the Daily News) list radio programs by location and program content but omit the frequency!! However, The Hindu does carry frequency listings. Radio is an orphan. Small-size Dish TV is everywhere. There are numerous satellite channels for every taste, and CNN and USA TV etc. are not far away, as is AXN (Action TV) which shows nonstop "action" movies from the US. So we project our usual image world-wide.

The Indian "Bollywood" movies are everywhere, and the 5th test (cricket) between Pakistan and Sri Lanka drew big crowds on a TV at the Chennai airport.

India is just getting wide spread Internet connects with "browsing kiosks" becoming fairly common, and the best of them offering ISDN lines. Our host David has an account with VNSSL, the monopoly ISP and generally gets 28 kB connects with a 56 kB modem.

Sample Listings from Newspapers

The Hindu (national Eng. newspaper), combining listings from Madurai (== Chennai) and from Thiruvananthapuram, lists the following: (as shown for a typical day in late February)(note hour format)

National Channel 1566 kHz (both ed's, all listings I saw show night hours only)

7-10 pm Manzar
 7-45 Khe1 Parikrama
 11-15 Western Music
 (next day)
 1-30 am Ustad Abdul Halim Jafar Khan, sitar
 2-40 V K Venkataramanujam, violin
 4-10 Bari Moti Bai, thumri
 5-50 Health Programme

Chennai A (720 kHz) (short wave 60.98 M 4920 kHz)

5-45 am Vandemataram
 6-10 Vazhipaadu
 8-30 D K Patammal, vocal
 11-40 Education Broadcast
 12-10 Uzhaippavar aranagam
 12-50 Mellisai
 1-05 Poovaiyar Poonga
 2-15 Play
 2-35 Serndisai
 2-45 Hindu lesson
 3-10 Kanhangad T P Srinivasan, vocal
 5-30 Pudhinapakkangal
 5-40 Ellorrukum Kalvi

6-05 Manai mangalam
 6-45 Mannum manamum
 7-25 Veedum Valayum
 8-00 Play
 8-45 Science Time
 9-16 Palgat K V Narayanaswamy, vocal
 11-15 P T Bhimsen Joshi, vocal
 11-45 Bakthimaalai

Station listings carried:

(T = Thiru. edition, M = Madurai edition)

Chennai A	720 kHz	TM (see detail above)
Chennai B	1395 kHz	M
Chennai FM1	107.1 MHz	M
Chennai FM2	105.0 MHz	M
Coimbatore	999 kHz	TM
Devikulam	101.4 MHz	T
Kannur	101.5 MHz	T
Karaikal	100.3 MHz	M
Kochi	102.3 MHz	T
Kozikhode	684 kHz	T
Madurai	1269 kHz	M
Mangalore	1332 kHz	T
Pondicherry	1215 kHz	M
Thiruvananthapuram	1161	T
Tiruchi.	936 kHz	M
Tirunelveli	1197 kHz	M
Udhagamandalam	1602 kHz	M
Vividh Bharati	783 kHz	M

The Daily News, Colombo carries the following, with no frequencies/channels given except what is printed in the logos in the newspaper

TV: Rupavahini, Rupavahini 2, ITN, Swarnavahini, Dynavision, TNL, MTV (no! not THAT one, lots of BBC news...) and Sirasa TV.

Radio: Gold Radio 89.8, Sun FM (no fq.), Lite Radio 89.2, TNL Radio 101.7 and 90.1, Radio Sri Lanka (monitored on 873 kHz and probably on FM as well) They seem to list just the stations that have English pgms.

Singapore - managed to lose these. On a 747 somewhere near you....check the Straits Times.

(Robert Foxworth <rfoxwor1@tampabay.rr.com>)

All India Radio - Akashvani annual awards

For the first time in 25 years, the Akashvani annual awards have been held outside Delhi and the honour of hosting the event organised by the director general, All India Radio (AIR), has been given to Ahmedabad.

With guests of honour such as Union home minister LK Advani, minister of information and broadcasting Arun Jaitely and Governor of Gujarat Sundar Singh Bhandari, the offices of AIR Ahmedabad are all agog with excitement. While senior AIR officials see it as an encouraging sign to hold the awards outside Delhi,

others see it as challenge which AIR Ahmedabad is ready to rise to.

In the 64 years since its existence, AIR has grown to cover 97 per cent of the country's population of whom 99 million are estimated to own a radio set. Covering 24 languages and 146 dialects, AIR today counts among the few largest broadcasting networks in the world.

With a view to a future rather than a past, and with a confidence in the reach of the radio, Engineer-in Chief HM Joshi spoke to the media on the future trends at AIR.

"The future of AIR is digital besides in five years we should be ready with a computer networking of major AIR stations," said Joshi adding that currently a Rs 60 crore state-of-the-art studio project was on in Delhi which would have 27 transmission studio and would be tapeless.

Satellite news gathering equipment has been incorporated in the network to facilitate instant dispatch of news to the central stations from anywhere in the field through satellite.

Sky radio external services and reaching out to the international audience through other radio networks like World Radio Network (WRN) and World Space (WS) for dissemination through cable, satellite and terrestrial FM networks is also on.

AIR has also been broadcasting on the Internet both in text and audio models and has also started live broadcasts. The feasibility of earning revenue through ads on Internet sites is also being studied.

Talking on Gujarat, Joshi said, in a bid to increase the listenership in Gujarat, AIR has decided to implement projects like FM stereo channel at Ahmedabad, local radio station at Himmatnagar with multi-purpose studio, 10 kw FM transmitter and stereo play back studio at Baroda among others. This entire upgradation programme would be carried out at a cost of about Rs 12 crore.

(The Times of India via Mike Brooker, Canada <aum108@idirect.com>)

ALL INDIA RADIO - IMPORTANT MILESTONES SINCE INDEPENDENCE

August 15,1947	There were Six Radio stations at Delhi, Bombay, Calcutta, Madras,Tiruchirapalli and Lucknow.
July 20, 1952	First National Programme of Music broadcast from AIR
July 29. 1953	National Programme of Talks (English) commenced from AIR.
1954	First Radio Sangeet Sammelan held.
October 3, 1957	Vividh Bharati Services started.
November 1, 1959	First TV station in Delhi started (at that time, it was part of AIR).
July 21, 1969	Yuvavani services started at Delhi.
August 15, 1969	1000 KW Superpower Medium Wave Transmitter commissioned at Calcutta(Mogra).
January 8, 1971	1000 KW Superpower Medium Wave Transmitter commissioned at Rajkot
1974	Akashvani Annual Awards instituted.
July 23, 1977	First ever FM service was started from Madras.
September 14, 1984	Two High Power250 KW shortwave transmitters inaugurated at Aligarh.
October 30, 1984	First Local Radio Station at Nagarcoil started.
1985	All AIR stations were provided with 5 channel satellite receiver terminals.
May 18, 1988	Introduction of National Channel.
April 8, 1989	Commissioning of Integrated North East Service.
March 2, 1990	The 100th station of AIR commissioned at Warangal (Andhra Pradesh)

March 10, 1990	Two 500 KW Superpower shortwave transmitters commissioned at Bangalore.
October 2, 1992	Commissioning of FM Chanel at Jalandhar.
April 1, 1993	The 150 th station of AIR commissioned at Berhampur (Orissa).
August 15, 1993	Introduction of Times slots on FM Channel to private Parties at Delhi-Bombay.
September 1, 1993	Time slots on FM Chanel to private parties at Chennai.
January 24, 1994	FM Channel at Panaji.
July 25, 1994	Time slots on FM channel to private parties at Calcutta.
September 10, 1994	Multi-track recording studios commissioned at Mumbai.
September 28, 1994	Four 500 KW Superpower Shortwave transmitters at Bangalore inaugurated. This has made Bangalore one of the biggest transmitting centres in the world.
October 31, 1994	The 175th station of AIR commissioned at Nasik.
November 13, 1994	Time slots on FM channel to private parties at Panaji.
August 5, 1995	Multi-track recording studios commissioned at Chennai.
February 1, 1996	Foundation stone laid for New Broadcasting House at New Delhi.
May 2, 1996	Launching of AIR on-line Information Services on Internet.
January 13, 1997	Started Audio on demand on Internet Service.
April 1, 1997	Digital Audio Broadcasting (DAB) introduced at Delhi on experimental basis.
January 26, 1998	'Radio on Demand' service on 2nd FM Channel Transmission.
February 25, 1998	AIR 'News on Telephone' and AIR 'live on Internet'.
August 15, 1999	Radio station commissioned at Kokrajhar in Bodo Land Autonomous Council Area.
August 15, 1999	Second FM Channels commissioned at Delhi and Calcutta with Yuvavani service.



Radio Thailand - World Service

Radio Thailand started its foreign language services under the call-sign HSK-9 on the 20th of October 1938. The experiments and testing period began three years earlier.

Development in the world and the region at the time necessitated the broadcasts in English and French, to tell foreign communities of the Thai Government's policies and stance. It was some time before the control of radio broadcasting was transferred from the Post and Telegraph Department to the Publicity Bureau, set up on May 3, 1933, in the Prime Minister's Office. The name was later changed to the Public Relations Department.

The service has been continuously expanded and improved over the decades. Utilizing two short-wave transmitters, and one medium-wave transmitter, Radio Thailand has been broadcasting to listeners around the world on the frequencies of 9655, 11905 and 927 kilohertz.

A major improvement came about in 1994, with the opening of the shortwave relay station in Ban Dung District, Udon Thani Province, in cooperation with the Voice of America. A new broadcast schedule came into effect on the 1st of July, 1994. Radio Thailand now transmits its signals via satellite to udon Thani Relay Station in 12 languages, to be broadcast to target areas al over the world. Five more languages have been planned to be added for fiscal year 1996.

At the same time, services in languages of the region will be expanded. So are Thai and English services, to be simultaneously transmitted over various different frequencies for neighbouring countries and for foreign tourists visiting Thailand.

1996 Project

Five new services have been planned, in Russian, Spanish, Tagalog, Hindi, and Cantonese, initially 15 minutes each.

With these services, Radio Thailand will be broadcasting in all official languages of the United Nations, English, French, Mandarin, Russian and Spanish. All major languages spoken in the ASEAN region will also be included.

Radio Thailand sets its sight on better serving the region with broadcasts in languages of neighbouring countries, on long-wave and medium-wave transmitters, Thais travelling, working and living in foreign countries, on short-wave and long-wave transmitters, and foreign tourists visiting Thailand on medium-wave and ultra-short-wave, FM band, with a tourist broadcast network, in English, French, German, Spanish, Japanese, and Chinese.

Radio Thailand verifies your reception reports with our QSL cards, depicting sights and scenes of Thailand and Thai life. We also answer your questions by mail and on air. We hope to go on the Internet soon. Listeners will be advised accordingly.

Radio Thailand - World Service Programmes

Radio Thailand, World Service, presents news, reportages, features, analyses, and music in its broadcasts to the world, with the objectives to inform the audiences about events and happenings in Thailand, development in all aspects, and Thai way of life.

With the completion of the shortwave relay station in Udon Thani Province in 1994, Radio Thailand's broadcast schedule has been adjusted and extended accordingly, with specific target area to correspond with world time and languages used.

At the initial stage, 9 hours and 15 minutes of international broadcasts are transmitted via Udon Thani Relay Station, in 12 languages, starting with Japanese at 13.00 hours GMT., followed by Mandarin, and Thai, targetting Asia and the Pacific. Another hour of Thai broadcast comes on air at 18.00 hours GMT, for the Middle East and Africa, followed in turn by English, German, French, English, and Thai for Europe. At midnight GMT. English broadcast comes on air for Asia, Africa, and America. One hour of Thai broadcast starts at 01.00 GMT. for Thais in the United States, East Coast, followed by a half-hour English service at 03.00 GMT., and another hour of Thai broadcast for the United States, West Coast. At 11.00 hours GMT., Asian service starts in Vietnamese, followed by Khmer, Lao, Burmese, Bahasa Malaysia and Bahasa Indonesia, respectively.

At a later stages, Radio Thailand hopes to make full use of the Udon Thani Relay Station facilities, and the improved transmitters at Rangsit and Salaya, close to Bangkok, broadcasting simultaneously to different parts of the world, aiming primarily at Thai people living abroad temporarily or permanently, and friends of Thailand all over the world. With its World Service, Radio Thailand expects to contribute to better understanding of Thailand and the Thai people in the world community.

Radio Thailand - World Service Programme Schedule
on short-wave 11905 and 9655 kilohertz and medium-wave 927 kilohertz and through the UDON THANI Relay Station. Frequencies are designated in accordance with atmospheric condition at different times of the year.

G.M.T.	Local Time	Target Area	Languages
13.00-13.15	20.00-20.15	Asia-Pacific	Japanese
13.15-13.30	20.15-20.30	Asia-Pacific	Mandarin
13.30-14.00	20.30-21.00	Asia-Pacific	Thai
18.00-19.00	01.00-02.00	Middle East-Africa	Thai

On the event of Media Network's 1000th programme the first "Media Network Millennium Award for Innovation" was given to Willi Passmann for his creative work for the radio portal at the Winter SWL Festival in Kulpsville, USA. "We think it is a tremendous time saver compared with trying to find radio-related sites using a general search engine. And you clearly spend a lot of time keeping it updated. There are other sites around, but nothing of this magnitude or accuracy", said Jonathan Marks, Director of Programmes, Radio Netherlands.

Finally some facts about Willi Passmann. He started DXing in 1973, got a ham radio license (DJ6JZ) in 1986 and a maritime radio license in 1991. He has been working for the ADDX KURIER, a German publication for short wave listeners, as an editor for 10 years, and in 1991 he started to publish TBL, the Tropical Band List, also available via the Ontario DX Association-Canada and the Benelux DX Club- The Netherlands. TBM, as the electronic version of TBL is available via download. He is also a manufacturer of loop antennas and a mobile antenna system for fielddays and DXpeditions.



Voiceband Modem Standards Take Another Significant Step Forward

The ITU agreed on three important new standards for voiceband modems in Edinburgh, Scotland, at the end of June, at a meeting of the ITU-T Working Party 1/16 responsible for modem specifications.

Building on the success of the now ubiquitous V.90 Recommendation for modems at data rates up to 56kbit/s, important enhancements have now been agreed in new Recommendation ITUT-T V.92. The enhancements are:

- an increase of more than 40% in the maximum data rate towards the network to a new maximum of 48 kbit/s on the best connections;
- significantly quicker start-up times on recognized connections, and;
- the ability to put the modem æon-hold/Æ when the network indicates that an incoming call is waiting.

These enhancements will give significant benefits to the modem user with improved access to interactive services, and the option of exploiting voice response facilities associated with Internet browsing.

The Chairman of ITU-T Study Group 16, Mr Pierre-AndrÚ Probst noted "These important new features will further improve the Internet users experience by significantly reducing connect times and providing improved access to new Internet services."

The meeting, jointly hosted by industry leaders 3Com, Conexant Systems, Lucent Technologies and Motorola, also initiated approval of a new Recommendation on data compression techniques in V.44, and a Recommendation V.59 which defines new procedures for facilitating modem and connection fault-finding..

The new data compression Recommendation is based on the LZJH compression algorithm developed by US-based Hughes Network Systems and gives an improvement in compression of more than 25% beyond the existing Recommendation V.42bis, and a data compression ratio in the region of 6:1 for a typical Web browsing connection. The net result is data throughput rates in excess of 300 kbit/s compared with typical values of 150-200 kbit/s today, thus significantly reducing download times and speeding up web browsing. These rates are still below those available from emerging DSL technologies, but have the advantage of not requiring any special installation on the part of the network provider, leaving upgrades to the direct control of ISPs and users.

"Much attention is going to DSL technologies these days, but the voiceband modem will remain the pre-dominant worldwide access technology for many years to come and these important new Recommendations will help users to get the most from this technology" said John Magill, the Chairman of the ITU-T Working Party 1/16. (ITU)

SWL / Media Programs in English and German

March 26th – Oct 28th, 2000 – As of Aug 9th, 2000

© 2000 by Worldwide DX Club, Germany.

e-mail: mail@wwdxc.de URL: http://www.wwdxc.de

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

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

*) The BBCWS media programme "Waveguide" is broadcast once a month on the 3rd weekend of each month.

Other weeks at the same time "Write On" programme is carried.

Except for local NZL services, see Sat 2145.

Monday

0026 WWCR Nashville, E, World of Radio – 9475
0140 RCI Montreal, E, fortnightly –
5960 9755 11715 13670 15170 15305
0235 RKI Seoul, E – 7275 11725 11810 15575
0345 BBC London, E to ME *) –
1323 1413 6195 9410 11760 11955
0400 RVI Brussels via Bonaire, E – 15565 STL
0410 RCI Montreal, E, fortnightly – 11835 11975 15215
0501 WWCR Nashville, E, World of Radio – 3210
0530 WWCR Nashville, E, Comm World – 3210
0700 RfPI Costa Rica, E, World of Radio – 15049
0700 WWCR Nashville, E, Spectrum – 3210
0908 DW Cologne to AS/Pac, E – 6140
0945 BBC London, E to Ea&SoAF *) –
6190 11940 17885 21470
1210 Radio Prague, G, fortnightly – 6055 7345 STL
1500 RfPI Costa Rica, E, World of Radio – 15049 21815usb
1510 Radio Prague, G, fortnightly – 5930 STL
1608 DW Cologne, E to AF/ME/AS – 6140
1800 Amateur Radio Mirror, Channel Africa, E –
3215 7082usb
1908 DW Cologne E to AF
1950 Radio Budapest, G – 3975 6025
2007 REE Madrid, E – 9595 15285
2108 DW Cologne E to AF
2135 Radio NZL Internat., E, alternate weeks – 17675
2350 WRN, R Budapest, G – STL Astra EuroMax

Tuesday

0640 Radio Prague, G, fortnightly – 5930 7345
0720 WRN, R Budapest, G – STL Astra EuroMax

1010 Radio Prague, G, fortnightly – 6055 9880
1100 WWCR Nashville, E, World of Radio – 15685
1140 Radio Sweden, E, **1st 3rd** – 18960
1210 WRN, R Prague, G – STL Astra EuroMax
1240 Radio Sweden, E, **1st 3rd** – 17505 18960 21810
1340 Radio Sweden, E, **1st 3rd** – 17505 18960
1625 Radio Sweden, E, **1st 3rd** – STL HotBird
1740 Radio Sweden, E, **1st 3rd** – 1179 6065 STL HotBird
1750 Radio Budapest, G – 3975 6025
1830 Voice of Russia Moscow, G
1900 RfPI Costa Rica, E, World of Radio – 15049 21815usb
1910 Radio Sweden, E, **1st 3rd** – STL WRN1 EUR
1940 Radio Sweden, E, **1st 3rd** – 1179 6065
1940 Radio Tashkent, G **1st 3rd** – 5025 5035 5060
9540 9545 11905
1955 Polish Radio Warsaw, E – 6035 7185 7265 9525 STL
2000 RfPI Costa Rica, E, Continent of Media –
15049 21815usb
2105 RHC Habana, E – 13660usb 13750
2130 RAE Buenos Aires, G – 15345
2140 Radio Sweden, E, **1st 3rd** – 1179 6065 9435 15255
2305 RHC Habana, E – 9550

Wednesday

0135 RHC Habana, E – 6000 9820 11705usb
0140 Radio Sweden, E, **1st 3rd** – 13625 STL WRN
0240 Radio Sweden, E, after **1st 3rd** Tue – 9495
0300 RfPI Costa Rica, E, World of Radio – 15049 21815usb
0340 RHC Habana, E – 6000 9820 11705usb
0340 Radio Sweden, E, after **1st 3rd** Tue – 9495
May - Aug 15245
0400 RfPI Costa Rica, E, Continent of Media – 15049
0535 RHC Habana, E – 9550 9820 9830usb
0630 HCJB Quito, E, Ham Radio Today – 15160
0930 HCJB Quito, E, Ham Radio Today – 11755 21455usb
0930 WWCR Nashville, E, Comm. World – 7435
1030 Voice of Russia Moscow, G
1100 WWCR Nashville, E, Comm. World – 15685
1100 RfPI Costa Rica, E, World of Radio – 15049
1200 RfPI Costa Rica, E, Continent of Media –
15049 21815usb
1545 FEBA Seychelles, E – 11600
1725 Polish Radio Warsaw, E – 6000 7285 STL
1730 RfPI Costa Rica, E, Continent of Media –
15049 21815usb
1735 Radio NZL Internat., E, alternate weeks –
11695; Oct-Nov 11725
1745 Radio UKR Internat. Kiev, G, fortnightly –
5905 9640 11705 11840 12045
1750 Radio Budapest, G – 3975 6025
1845 RAE Buenos Aires, E – 15345
1930 HCJB Quito E, Ham Radio Today – 17660
2045 Radio UKR Internat. Kiev, G, fortnightly –
5905 6020 9640 11950 12045
2330 WBCQ1 Maine, E, World of Radio – 7415

2345 Radio UKR Internat. Kiev, G, fortnightly –
5905 6020 9640 11950

Thursday

0030 Radio Australia, E, Media Report – 9660 12080
15240 17580 17750 17795 21740
STL WRN1 Astra EUR
0130 HCJB Quito, E, Ham Radio Today –
9745 15115 21455usb
0245 RAE Buenos Aires, E – 11710
0305 Radio NZL Internat., E, alternate weeks – 17675
0330 WRMI Miami (AWR), E – 7385
0430 HCJB Quito, E, Ham Radio Today –
9745 15115 21455usb
0830 Radio Australia, E, Media Report – STL WRN
0930 RfPI Costa Rica, E, Continent of Media – 15049
1000 Radio Nederland, E – 9795 12065 13710 STL
1030 Radio Australia, E, Media Report –
11880 13605 17750 21820
1130 Radio Nederland, E – 6045 9860 STL
1225 Polish Radio Warsaw, E –
6095 7270 9525 11820 STL
1500 Radio Nederland, E – 9890 12075 15590 STL
1530 Radio Australia, E, Media Report –
5995 9475 9580 11650 11660
1530 Voice of Russia Moscow, G
1800 Radio Nederland, E – 6020 7120 11655 STL
1815 Radio Sofia, G – 9400 11800
1930 Radio Nederland, E – 6020 7120 9895 11655
13700 17605 21590 STL
1935 Radio Tashkent, G – 5025 5035 5060 9540 9545 11905
2030 WWCR Nashville, E, World of Radio – 15685
2100 Radio Nederland, E – 1512 STL
2330 Radio Australia, E, Media Report –
9660 12080 17715 17795 21740

Friday

0000 Radio Nederland, E – 6165 9845 STL
0108 DW Cologne to NoAM, E
0308 DW Cologne to NoAM, E
0500 Radio Nederland, E – 6165 9590 STL
0508 DW Cologne to NoAM, E
0700 RfPI Costa Rica, E, World of Radio – 6970
0745 RÖI Vienna, Hotline G – 6155 13730 STL Astra
0900 Polish Radio Warsaw, E – STL EUTSat
0930 WWCR Nashville, E, World of Radio – 7435
1030 Radio Sofia, G – 15700 17500
1100 WRN on Internet, E, World of Radio on-demand start
1105 RÖI Vienna, Hotline G – 6155 13730 STL Astra
1450 RÖI Vienna, G – 6155 13730 STL Astra
1530 RÖI Vienna, Hotline G – 6155 13730 15240 17765 STL
1740 Voice of Russia Moscow, G
1750 RÖI Vienna, G – 15240 17765
1830 RÖI Vienna, G – 261 1476 5945 6155 15240 STL Astra

1900 RfPI Costa Rica, E, Continent of Media –
15049 21815usb
1905 RÖI Vienna, G – 13730 STL WRN EuroMax EUR
1930 RfPI Costa Rica, E, World of Radio – 15049 21815usb
1945 Radio NZL Internat., E, alternate weeks – 17675
1945 Radio Sofia, E – 9400 11700
2005 RÖI Vienna, Hotline G – 6155
2022 RÖI Vienna, G – 6155
2030 WBCQ2, E, World of Radio – 9330usb irregular
2105 Radio Australia, E, Feedback – 7240 9580
9660 11880 12080 17715 21740
2130 WHRA, E, DXwCumbre – 17650
2130 RAE Buenos Aires, G – 15345
2205 RÖI Vienna G – 1476 5945 6155 13730 STL Astra
2330 RÖI Vienna, G – 9870 13730
2345 Radio Sofia, E – 9400 11700

Saturday

0030 Radio Australia, E, Feedback –
9660 12080 15240 17580 17750 17795 21740
STL WRN1 Astra EUR
0100 KWHR Naalehu Hawaii, E, DXwCumbre – 17510
0105 Radio Tashkent, E, after **3rd** Sat –
7190 9375 9530 9715
0132 Voice of America, E, Communications World –
Pac/EaAS/SoAS 7115 9635 11705 11725 11820 13650
15250 17740 17820
No&LatAM 5995 6130 9455
ME/NoAF 1548
0145 BBC London, E to EaAS/PAC *) – 6195 15280 15360
0245 BBC London, E to local NZL service *) –
0250 RÖI Vienna, G – 9655 9870 13730 STL Astra
0300 WWCR Nashville, E, World of Radio – 3215
0300 RfPI Costa Rica, E, Continent of Media –
15049 21815usb
0300 KWHR Naalehu Hawaii, E, DXwCumbre – 17510
0305 RÖI Vienna, G – 9870 13730 STL Astra
0330 BBC London, E to EUR *) – 198 648 6195
0330 BBC London, E to AM *) – 5975 6135 6175
0330 WRN1, World of Radio, E – STL Astra EUR / AfriStar AF
0330 RfPI Costa Rica, E, World of Radio – 15049 21815usb
0345 BBC London, E to SoAS *) – 15310 17790
0500 HCJB Quito, G – 11875
0500 WHRI South Bend, E, DXwCumbre – 5745 7315
0532 Voice of America, E, Communications World –
EUR/ME/NoAF 792 1197 9530 11965 15205
AF 909 5970 6035 6080 7195 12080 13670
0554 RÖI Vienna, G – 6155 13730 15410 17870 STL Astra
0600 KWHR Naalehu Hawaii, E, DXwCumbre – 17780
0605 Radio Australia, E, Feedback – 15240 15415 15515
0609 HCJB Quito, E, DX Party Line – 15160
0631 DW Cologne, G
0645 BBC London, E to ME *) – 1323 11760 15565 15575
0645 BBC London, E to Ea&SoAF *) –
6190 11765 11940 15420 17640 17885

0700 Voice of America, E, Comm. World – 10869dsb
0705 RÖI Vienna, G – 15410 17870
0730 WHRI South Bend, E, DXwCumbre – 5745 7315
0745 BBC London, E to EUR *) – 648 12095 15485
0800 WRN1, E, World of Radio –
STL Astra EUR/ME/AfriStar AF
0830 RÖI Vienna, G – 6155 13730 STL Astra
0830 WRN1, E, Comm. World – STL Astra to EUR/ME
AfriStar AF / AsiaSat AS/Pac
0845 BBC London, E to WeAF *) – 15400 17830
0905 RÖI Vienna, G – 21650 21765
0909 HCJB Quito, E, DX Party Line – 11755 21455usb
0920 Polish Radio Warsaw, E – STL EUTSat
0929 DW Cologne, E to AF, last Sat
0930 HCJB Quito, G – 11980
0932 Voice of America, E, Communications World –
EUR 1197 STL Astra
Pac/EaAS/SoAS 11930 13610 15150 STL
0950 RÖI Vienna, G – 21650 21765
1031 DW Cologne, G
1100 RfPI Costa Rica, E, Cont. of Media – 15049
1100 WRN2, E, Comm. World – STL Galaxy V AM
1129 DW Cologne, E, to AF, last Sat
1130 WWCN Nashville, E, World of Radio – 15685
1130 RfPI Costa Rica, E, World of Radio – 15049
1130 WHRI South Bend, E, DXwCumbre – 9495
1140 Voice of Russia Moscow, G – 693 1323
1145 Radio Sofia, E – 15700 17500
1145 Voice of Turkey, G, fortnightly – 17760
1227 Radio Bucharest, G – 11940 15250 17720
1230 WHRI South Bend, E, DXwCumbre – 9495
1245 Voice of Turkey, E – 17830 21540
1305 RÖI Vienna, G – 6155 13730 STL Astra
1315 TWR Monaco, G – 7160 9795 STL
1332 Voice of America, E, Communications World –
EUR 1197 STL Astra
Pac/EaAS/SoAS 6160 9645 9760 15160 15425 STL
1335 Radio Tashkent, E, 2nd – 7285 9715 15295 17775
1430 HCJB Quito, G via WRN – STL Astra EuroMax
1430 WHRI South Bend, E, DXwCumbre – 6040
1430 KWHR Naalehu Hawaii, E, DXwCumbre – 11565
1505 DeutschlandFunk Cologne, G, Media Magazine
1524 RÖI Vienna, G – 6155 13730 15240 17765 STL Astra
1545 RÖI Vienna, Hotline G – 6155 13730 15240 17765 STL
1600 WRN, E, World of Radio – STL via Galaxy V
1611 Radio Bucharest, G – 11940 15250 17805
1640 Radio YUG Belgrade, G, alternate weeks – 9620
1730 Voice of Turkey, G, fortnightly – 13790usb 15515
1730 RfPI Costa Rica, E, Continent of Media –
15049 21815usb
1732 Voice of America, E, Comm. World –
EUR 1197 9700 9760 15255 STL Astra

AF 15410 15445 17895
Pac/EaAS/SoAS 6160 7125 9645
1800 RfPI Costa Rica, E, World of Radio – 15049 21815usb
1800 WHRI South Bend, E, DXwCumbre – 13760
1815 Radio Sofia, G – 9400 11800
1825 Voice of Russia Moscow, G
1831 DW Cologne, G
1845 Voice of Turkey, E, fortnightly – 9785 11765usb
1845 RfPI Seoul, G – 6480 7275
1900 Voice of Mediterr. Malta, E – 12060
1905 Radio Budapest, E – 6025 7130
1909 HCJB Quito, E, DX Party Line – 17660
1911 Radio Bucharest, G – 5955 7195 9690 11940
1930 HCJB Quito, G – 17795 21470
1930 Radio Belarus Minsk, G – 1170 7105 7210
2000 BBC London R4, E, monthly – 198 MW
2022 RÖI Vienna, G – 5945 6155 13730 STL Astra
2030 Radio Belarus Minsk, G – 1170 7105 7210
2035 Radio Tashkent, E, 2nd – 9540 9545
2045 RfPI Seoul via Skelton, G – 6145
2045 RfPI Seoul, G – 7550 15575
2045 Voice of Turkey, E – 9525
2100 HCJB Quito, G – 17795 21470
2105 Radio Budapest, E – 6025
2107 REE Madrid, E – 9595 9840
2105 RHC Habana, E – 13660usb 13750
2129 DW Cologne, E to AS, last Sat
2130 Radio UKR Internat. Kiev, E –
5905 6020 9640 11950
2130 WHRA, E, DXwCumbre – 17650
2132 Voice of America, E, Communications World –
EUR/ME/NoAF 1260 1548 6040 6095 9535 9760
STL WRN1 EUR
PAC/EaAS 9705 11870 15185 17740 17820
AF 909 6035 7375 7415 11975 15410 15445
15580 17785
2135 Radio Budapest, E – 3975
2135 Radio Tashkent, E, 2nd – 9540 9545
2145 Radio Sofia, E – 9400 11700
2145 BBC London, E to local NZL service *) –
One week later, repeat of previous week Sat 0145/0245.
2215 Voice of Turkey, E – 7190 13640
2230 WRMI Miami (AWR), E – 9955
2230 WHRI South Bend, E, DXwCumbre – 9495
2231 DW Cologne G
2255 RÖI Vienna, G – 5945 6155 13730 STL Astra
2300 HCJB Quito, G – 11980
2305 RHC Habana, E – 9550
2329 DW Cologne, E to AS, last Sat
Sunday
0000 KWHR Naalehu Hawaii, E, DXwCumbre – 17510
0007 REE Madrid, E – 6055
0030 Radio UKR Internat. Kiev, E – 5905 9640 13590

0100 WHRA, E, DXwCumbre – 7580
0105 Radio Budapest, E – 9560
0107 REE Madrid, E – 6055
0108 DW Cologne, E, after last Sat
0110 HCJB Quito, E, DX Party Line – 9745 15115 21455usb
0130 RfPI Costa Rica, E, Continent of Media –
15049 21815usb
0135 RHC Habana, E – 6000 9820 11705usb
0200 WWCN Nashville, E, Comm. World – 5070
0200 RfPI Costa Rica, E, World of Radio – 15049 21815usb
0230 WWCN Nashville, E, World of Radio – 5070
0230 Radio Belarus Minsk, G – 1170 6070 7210
0231 DW Cologne, G
0233 DW Cologne, E to AS, after last Sat
0235 Radio Budapest, E – 9835
0245 RÖI Vienna, Hotline G – 9655 9870 13730 STL Astra
0245 Radio Sofia, E – 9400 11700
0259 Vatican Radio, E – 7305 9605
0300 WWCN Nashville, E, Spectrum – 5070
0300 WHRI South Bend, E, DXwCumbre – 5745
0315 Voice of Turkey, E, fortnightly – 6155 11655 21715
0330 Radio UKR Internat. Kiev, E – 6020 9640 12045 13590
0330 Radio Australia, E, Feedback – 15240 15415 15515
0335 RHC Habana, E – 6000 9820 11705usb
0400 WRN1, E, Comm. World – STL AfriStar AF /
AsiaSat AS/PAC
0409 HCJB Quito, E, DX Party Line – 9745 15115 21455usb
0430 WHRI South Bend, E, DXwCumbre – 5745
0507 REE Madrid, E – 6055
0508 DW Cologne, E, after last Sat
0530 WRN, E, World of Radio – STL Galaxy V AM /
WorldSpace AfriStar AF
0535 RHC Habana, E – 9550 9820 9830usb
0600 KWHR Naalehu Hawaii, E, DXwCumbre – 17780
0628 WWCN Nashville, E, World of Radio – 5070
0630 WRN1, RVI Brussels, E – STL AfriStar AF /
Galaxy V AM / AsiaSat AS/Pac
0630 WHRI South Bend, E, DXwCumbre – 5745
0700 RVI Brussels, E – 1512 5985 STL
0705 RÖI Vienna, G – 6155 13730 STL Astra
0730 RÖI Vienna, Hotline G – 6155 13730 STL Astra
0800 Amateur Radio Mirror, Channel Africa, E –
7082usb 9750 21560
0830 WHRA, E, DXwCumbre – 11565
0835 RfPI Seoul, E – 9570 13670 STL
0900 WRN, AWR Wavescan, E – Astra STL EUR/ME
0930 WRN1, RVI Brussels, E – STL Galaxy V AM
0930 AWR Wavescan Forli, E – 9610 STL Astra EUR/ME
0930 RfPI Costa Rica, E, Continent of Media – 15049
0954 RÖI Vienna, G – 6155 13730 21650 21765 STL Astra
1000 AWR Wavescan KSDA Guam, E – 11560
1000 RfPI Costa Rica, E, World of Radio – 15049 21815usb
1015 Radio Sofia, G – 15700 17500

1030 AWR Wavescan KSDA Guam, E – 11795
1030 WRN, E, World of Radio – STL Astra EaEUR/ME /
AfriStar AF / AsiaSat AS/Pac / Galaxy V AM
1035 RfPI Seoul via Sackville, E – 11715
1130 RVI Brussels, E – 1512 9865 9925 STL
1130 Radio UKR Internat. Kiev, E – 21510
1230 AWR Wavescan Forli, E – 9610
1230 AWR Wavescan KSDA Guam, E – 15330
1235 RfPI Seoul, E – 7285 9570 9640 13670
1300 KWHR Naalehu Hawaii, E, DXwCumbre – 11565
1305 RfPI Seoul, E – 9570 9640 13670
1330 AWR Wavescan KSDA Guam, E – 11705 11750 STL
1340 RCI Montreal, E, fortnightly – 9535 11795
1353 Vatican Radio, E – 17515 21620
1400 Voice of America, E, Comm. World – 18275dsb
1430 AWR Wavescan KSDA Guam, E – 9355 STL
1430 WHRI South Bend, E, DXwCumbre – 6040
1430 WRN1, RVI Brussels, E – STL WoldSpace AfriStar AF /
Galaxy V AM
1430 WRN1, E, Comm. World – STL Astra EUR
1500 WHRI South Bend, E, DXwCumbre – 15105
1525 RÖI Vienna, G – 6155 13730 15240 17765 STL Astra
1530 WRN, AWR Wavescan, E – STL
1600 AWR Wavescan KSDA Guam, E – 9355
1605 WHRA, E, DXwCumbre – 17650
1630 WRN1, AWR Wavescan, E – STL Astra EUR
1635 RfPI Seoul, E – 5975 9515 9870
1640 RCI Montreal, E, fortnightly – 6140 7150
1730 RVI Brussels, E – 1512 5910 9925 13710 17735
1730 AWR Wavescan KSDA Guam, E – 11560 11965
1830 WWCN Nashville, E, World of Radio – 15685
1830 WRN1, RVI Brussels, E – STL Astra EUR /
AfriStar AF / AsiaSat AS/Pac
1830 KWHR Naalehu Hawaii, E, DXwCumbre – 17510
1930 RVI Brussels, E – 1512 5960 STL
1930 Radio Belarus Minsk, G – 1170 7105 7210
1935 RfPI Seoul, E – 5975 7275
1945 BBC London, E to WeAF *) – 15400 17830
2010 Radio YUG Belgrade, G, alternate weeks – 6100
2030 RÖI Vienna, G – 13730
2030 RCI Montreal, E, fortnightly – 5995 11690 13650
13670 15325 15470 17820 17870
2030 Radio Belarus Minsk, G – 1170 7105 7210
2100 WBCQ, E, Communications World – 7415
2105 RfPI Seoul via Skelton, E – 3970 6480
2130 WHRI South Bend, E, DXwCumbre – 5745
2130 WRMI Miami (AWR), E – 9955
2130 AWR Wavescan KSDA Guam, E – 11980 15550
2135 RfPI Seoul, E – 15575
2230 RVI Brussels via Bonaire, E – 15565 STL
2253 Vatican Radio, E – 9600 11830
2300 RfPI Costa Rica, E, World of Radio – 15049 21815usb
2330 WWCN Nashville, E, World of Radio – 9475