

8/9 - 2009

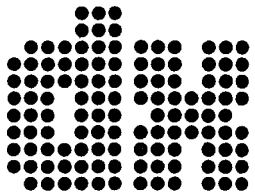
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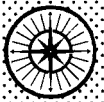
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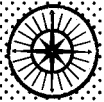
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WORLD WIDE DX CLUB



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 +49-6172-123118
☎ +49-6172-123117 ● E-Mail: mail@wwdxc.de
- BROADCASTING NEWS EDITOR** . . . ✉ Walter Eibl, Postfach 15 45, D-91005 Erlangen, Germany
E-Mail: news@wwdxc.de
- LOGBOOK EDITOR** ✉ Ashok Kumar Bose, Unit # 28, 7035, Rexwood Road, Mississauga, Ontario, L4T 4M6, Canada ● E-Mail: logbook@wwdxc.de
- QSL CORNER EDITOR** ✉ Kanwar Sandhu, 1084 Beauty Avenue, Winnipeg, Manitoba, R2P 1G5, Canada ● E-Mail: qsl@wwdxc.de
- TOP NEWS EDITOR (Internet)** ✉ Wolfgang Büschel, Hoffeld, Sprollstrasse 87, D-70597 Stuttgart, Germany ● E-Mail: topnews@wwdxc.de
- TREASURER & SECRETARY** ✉ Karin Bethge, Urseler Strasse 18, D-61348 Bad Homburg, Germany
- NEWCOMER SERVICE OF AGDX** . . . ✉ Hobby-Beratung, c/o AGDX, Postfach 12 14, D-61282 Bad Homburg, Germany (please enclose return postage)

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- WORLDWIDE DX CLUB homepage in the Internet at: <<http://www.wwdxc.de>>
- Weekly "TopNews" by Wolfgang Büschel at: <<http://topnews.wwdxc.de>> (available free of charge by E-Mail to our members on request)
- Latest DRM schedule at: <<http://www.wwdxc.de/drm.htm>>

WORLD RADIO TV HANDBOOK 2009

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DX MAGAZINE No. 8/9 ■ Vol. XLIV ■ August/September 2009

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, some articles, and our annual "List of Members". And now over to our usual information from outside the club, this month only two items:

WRTH is pleased to announce that a July supplement file for the summer schedules is now available for download from the WRTH website at <<http://www.wrth.com>>. The file runs to 3 pages and includes updates from international and target/clandestine broadcasters. We hope that you find this file a useful accompaniment to both the printed WRTH and also the additional Summer schedules supplement.

(Sean Gilbert, WRTH Editorial Team)

This year on October 20, 2009, the Italian Club GARS - Gruppo Ascolto Radio dello Stretto - celebrates the 30th anniversary of its foundation. On this occasion our Club organises a cultural contest, to reply 8 questions. Request the leaflet-contest from: GARS c/o Giovanni Sergi - Via Sibari 40 - 98149 Messina - Italy, E-mail: <gsergi5050@hotmail.com>. Their web site is found at: <<http://www.polistenaweb.it/gars>>.

There will also be a convention on 17 & 18 October 2009 in Naples - see: <http://www.polistenaweb.it/gars/gars_a_napoli.html>. Participation, free of charge, is until 20 of September. Best wishes for this anniversary to all our supporters.

(Giovanni Sergi, GARS Coordinator, Messina, Italy, Aug 22)

And with this best wishes and good DX until October from

NEWS ABOUT BROADCASTING (+other) STATIONS

Walter Eibl · Postfach 15 45 · D-91005 Erlangen · GERMANY

ANTARCTICA - mne: [HCDX] Antarctica LRA36 on 15476 --- I had not heard LRA36 since I lived in Brazil, but after putting up the 80 meter loop I can hear them again, in the north-eastern USA. Fair reception of LRA36 on 15476 kHz on August 10 2009, from 1800 UT. Heard several clear LRA36 "desde a base Esperanza na Antarctica Argentina" IDs around 1805 [you mean really in Portuguese? -- gh]. The signal started out good and faded down over time, as sunset approaches the Antarctic Peninsula. (Rik van Riel, NH, Aug 10, HCDX via WOR 1473, DXLD)

The other day, ... my wife and I were tuned to LRA36 on a portable Lextronix E5 receiver. "Musica and cultura" was on the menu. Edmundo Rivero and Susana Rinaldi with tangos, followed by a few zambas and a Yma Sumac-ish rendering of "El condor pasa". I was using the telescopic antenna only. Time of reception: 1805-1910+ Reception was very poor at the outset but slowly improving, and approaching fair level around 1900. Temperature at the Esperanza base was given as 15 degrees below zero, which equals 5 degrees F. (Henrik Klemetz, in SW Sweden, WOR 1473)

ARGENTINA - ARGENTINA DX CONTEST.

RAE, the Foreign Service of the Argentine Public Radio, with the collaboration of the Radiolisters Group of Argentina launches a contest for our audience in Argentina and in the world. The requirement is to send us two reception reports: one on our Spanish-language program and the other on any of the other languages broadcasts (English, French, German, Italia, Portuguese and Japanese). The contest begins on August 3, 2009 and reception reports will have to cover any of our programs until 2359 hours of August 17, a date selected to pay homage to the most important national hero of Argentina, General San Martin. "The father of the country", as we call him, died on August 17, 1850.

Reception reports must be sent by e-mail to: <rae@radionacional.gov.ar>

or by traditional mail to RAE, P.O.Box 555, post code: C1000WAF, Buenos Aires, Argentina.

Reports will be accepted until September 30, 2009. All participants will receive a QSL card. Among all who take part in the contest, there will be a prize draw for two Argentine music CD compilations.

(via Arnaldo L. Slaen-ARG, wwdxc BC-DX TopNews Aug 8)

11710.7, RAE, General Pacheco, 1055-1320, 10 Aug, Japanese program, sign off announcements, IS+IDS, TS, Portuguese at 1100, with features ranging from Argentinian music & performers to history and news; Castilian program at 1200; 35443. Continuous fair-good reception without any disturbance but some QSB (Carlos Goncalves, Portugal, DXLD)

Nautel to Provide Eighteen 25kW Transmitters to Argentina

Hackett's Cove, Nova Scotia (Canada) -- Nautel Limited has been selected by Radio Nacional de Argentina to provide eighteen NX25 AM transmitters for locations in provinces across the country. Delivery of the transmitters began last month and will continue through early 2010. The Nautel NX25 leverages Nautel's advanced NX AM transmission platform to provide a 27.5 kW (maximum) power output in a compact footprint. Offering industry leading efficiency, outstanding linearity and robust solid state construction, the NX25 offers exceptional reliability and low maintenance. The company's exclusive Advanced User Interface provides an onboard instrument grade spectrum analyzer and full control both locally and remotely using a web browser. Radio Nacional de Argentina selected the NX25 for its transmitters in Bariloche, Santa Rosa, Esquel, San Juan, Santo Tome, Viedma, Santa Fe, Tucuman, Bahia Blanca, San Salvador de Jujuy, Rio Turbio, Catamarca, Rio Grande, Salta, La Rioja, Formosa, Mendoza, and Santiago del Estero.

"Nautel is thrilled to work with Radio Nacional de Argentina on this important project," said Gerardo Vargas, Nautel's Latin America Sales Manager. "Their choice of the NX25 confirms Nautel's ability to provide robust, reliable transmitters for locations ranging from coastal urban centers to remote mountain locations."

(Nautel Press Release)

ARMENIA - 4810, Voice of Armenia, Yerevan, 1800, Jul 26, start of Arabic broadcast. Instrumental version of National Anthem, ID "Huna idhaati Djumhuriyati Armenia men Yerevan". Frequency 4810 kHz and postal address announced afterwards.

(Dmitry Mezin /Signal, Kazan, Russia, on holidays in Montenegro, DSWCI DX Window Aug 5 via DXLD)

AUSTRALIA - Just to let you know last Tuesday 4th August, Radio Symban was switched off 2368.5 kHz. This was due to the fact that a local PABX was radiating the signals on its phone lines. The matter is being rectified, until the tech is happy with the fix, the station will be off air. I have talked to Con and feel that the 50 watts is okay, but winding the transmitter up over 400 watts was the issue, being so close to local business. Ian Baxter is correct where the aerial is located. However, the issue is that the timber yard manager is obviously concerned when people walk pass the office, into the main timber yard area. Anyway just with the 50 watts at first, the signal was heard in the USA, Finland and of course New Zealand. (John Wright Australian Radio DX club, Aug 11, WOR 1473, DXLD)

AUSTRALIA - RADIO AUSTRALIA TO RESUME BROADCASTS TO BURMA See:

<<http://www.smh.com.au/world/in-solidarity-radio-australia-to-resume-broadcasts-to-burma-20090811-eh2o.html>>

(Gary Daly, Aug 11, DXLD)

IN SOLIDARITY: RADIO AUSTRALIA TO RESUME BROADCASTS TO BURMA

Stephanie Peatling, August 12, 2009

RADIO AUSTRALIA will again begin broadcasting to Burma in what the Prime Minister, Kevin Rudd, called a "gesture of solidarity" with the pro democracy leader, Aung San Suu Kyi, in the wake of her conviction yesterday. Mr Rudd also hinted at stronger sanctions. . .

(Sydney Morning Herald as above via WOR 1473, DXLD)

BANGLADESH - Bangladesh Betar has issued tender notice to dispose off two of its transmitters :

100 kW MW, Make: RCA , Model: BTH-100B

100 kW SW, Make: Continental, Model: 418A-1

Both these transmitters served the Shavar transmission centre of Bangladesh Betar. The SW transmitter was presently non-operational, as per TDP this was installed in the year 1968. (Alokesh Gupta)

I think: good for a museum or for scrap (we)

Radio Bangladesh is noted back on 4750 (from 15 Aug 2009) in the mornings and evenings (Jose Jacob, VU2JOS, India, Aug 19, dxldyg via WORLD OF RADIO 1474, DX LISTENING DIGEST)

BHUTAN - 6035, BBS (presumed), 1355, August 17 with indigenous singing (under PBS); ToH into assume news; later just talking; QRM from adjacent splatter and also heavy QRM from PBS Yunnan till 1430*; could barely tell was in English; pop song; more talking; 1454 heard a BBS signature musical selection they often play; suddenly off at 1459. Believe I am safe in calling this presumed. Is worth monitoring this one again (Ron Howard, Asilomar Beach, CA, Etón E1, dxldyg via WOR 1474, DXLD)

BOLIVIA - 3309.98, Radio Mosoj Chaski, Cochabamba 1000 with YL, music and good signal 8 August.

4716.19, Radio Yura, Yura 1030 1 & 6 August, seems irregular.

4781.47, Radio Tacana, Tumupasa 2320 to 2330 on 31 July.

4796.4, Radio Lípez, Uyuni fading out at 1050 on 4 August.

5952.53, Radio Pío XII, Siglo [XX], *1100 with YL en español, occasionally signs on 1030. 9 August. Narrow filter for any reception, R8 seems to do well with narrow AM.

6075, Radio Kawsachun Coca, Lauka, 1000 to 1100, mentions de palabras de dios, YL/OM format, piano music 8 August (Bob Wilkner, Pompano Beach, Florida, US, NRD 535D ~ Drake R8 - Sony 2010 XA, Noise reducing antenna, 60 meterband dipole, Longwire, Aug 9, DXLD)

As a follow up to Arnaldo's log of the new Peru station: Have it at 2330 to 2350 on 4888.27 with weak signal, some audio but fading. 4716.60 Bolivia, Radio Yura with music and slightly stronger signal same time (Bob Wilkner, FL, Aug 9, DXLD)

4409.8, R. Eco, Reyes, 2324-2336, 03 Aug, Castilian, LAm music, seemingly Mexican, ballads; 25331.

4451.2, R. St Ana, St Ana del Yacuma, 2326-2339, 03 Aug, Castilian, pops; 15331. Every time I'm lucky to catch this one, they seem to be playing this sort of music, not the traditional, Indian type as in most 60 m band BOL stations (Carlos Goncalves, Portugal, DXLD)

4451.20, 2240-2250 06.08, R Santa Ana, Santa Ana del Yacuma (presumed), Spanish talk, 15111.

4699.32, 2240-2250 08.08, R San Miguel, Riberalta (presumed) Spanish talk 25232 (Anker Petersen, on my AOR AR7030PLUS with 28 metres longwire here in Skovlunde, Denmark, via Dario Monferini, playdx via DXLD)

4699.3, R. San Miguel, Riberalta, 2227-2238, 04 Aug, Castilian, light songs; 25331.

5952.5, R. Po XII, Siglo XX, 2234-2247, 03 Aug, Castilian & Quechua, talks, Indian pops; 33331, adjacent QRM (Carlos Goncalves, Portugal, DXLD)

BRAZIL - 11734.9 R. Trans Mundial 1811-1838+ Aug 8. Religious vocals in Portuguese; M with occasional ID's and "Trans Mundial" jingles. Good mid-day signal. (John Wilkins-CO-USA, dxld Aug 9)

4755 R. Imaculada Conceicao, Cpo Grande MS, 2215-2226, 04 Aug, music, ID at 2216, prgr announcement, rlg. ballad; 25331.

4865 R. Verdes Florestas, Cruzo do Sul AC, 2333-2349, 03 Aug, messages & infos; 44332, CODAR QRM.

4885 R. Club do Para, Belem PA, 2052-2120, 07 Aug, rlg. propag. prgr "A Prece Poderosa", TS, sports prgr "Cartaz Desportivo", advertisements; 45333.

4895 R. Novo Tempo, Cpo Grande MS, 2144-2202*, 03 Aug, news 2145-2158, ID, songs, abrupt closure; 25331, lowish audio.

4915 R. Daqui, Anhangueera GO, 2055-2114, 07 Aug, talks, sung Ave Mary; 43342, QRM de B. This has been silent, or then inaudible on // 11830 kHz.

4915 R. Difa, Macapa AP, 2144-2208, 09 Aug, f/ball news prgr, news bulletin at 2200; 43432, QRM de B.

- 4974.8 R. A Nossa Voz, Osasco SP, 2232-2248, 05 Aug, A Voz do Brasil part 2; 25342.
- 4985 R. Brasil Central, Goiania GO, 2228-2249, 05 Aug, A Voz do Brasil part 2; 55343; // 11815 good.
- 5035 R. Aparecida, Aparecida SP, 2143-2206, 05 Aug, prgr for truck drivers "Trucao", with advs., infos, music, then ID+fqs announcement prior to A Voz do Brasil at 2200; 35332; // 6135, 9630, 11855 kHz.
- 5045 R. Guaruja Paulista, Guaruja SP, 2145-2219, 05 Aug, reports from the Senate, legislation issues, no Voz do Brasil at 2200; 25341, but better after 2200 (power change?).
- 5955 R. Gazeta Universitaria, Sao Paulo SP, 2232-2246, 03 Aug, A Voz do Brasil; 33331, co-ch. QRM; better on 04 Aug at 2210.
- 6020 R. Gaucha, Pto Alegre RS, 2242-2309, 03 Aug, advertisements, music, chatter, newscast at 2300; 23341, adj. QRM, but better after 2300.
- 6080 R. Novas de Paz, Curitiba PR, 2243-2305, 03 Aug, A Voz do Brasil, ID at 2301 as "R.Marumby - a emissora da paz"; 33442, adj. QRM, but much less after 2300.
- 6090 R. Bandeirantes, Sao Paulo SP, 2245-2259, 03 Aug, advertisements, f/ball news prgr; 32441, QRM de CHN (pres) + AIA (stronger after 2300).
- 6135 R. Aparecida, Aparecida SP, 2304-2315, 06 Aug, newscast; 35433.
- 6150 R. Record, Sao Paulo SP, 2143-2203, 07 Aug, f/ball news prgr until 2153, advertisements prior to A Voz do Brasil at 2200; 33442, adj. QRM till 2200, then co-ch. QRM too.
- 6185 R. Nacional da Amazonia, Parquae do Rodeador DF, 2251-..., 03 Aug, A Voz do Brasil; 32441, adj. QRM.
- 9565 SRDA, Curitiba PR, 0939-1006, 07 Aug, shouting IPDA preacher, music at 1000, announcement for "O Seu Projecto" scheduled for 08 Aug, then prayer; 25432.
- 9565 ditto, 1435-1455, 08 Aug, pathetic IPDA live "show" about healings; 24442, adj. QRM.
- 9665 R. Marumby, Florianopolis SC, 1422-1430 (when blocked), 07 Aug, preacher; 14341; het. with KRE 9665.5; blocked by DRM signal at 1430. Reception was far better on 08 Aug at 1445, just as if there were no QRM.
- 9695 R. Rio Mar, Manaus AM, 1441-1458, 08 Aug, Brazilian songs, talks; 24431, adj. QRM de NIG 9690.
- 9819.7 R. 9 de Julho, Sao Paulo SP, 1250-f/out 1326, 07 Aug, talks, almost no copy; 15431.
- 11725 R. Novas de Paz, Curitiba PR, 1105-1220, 10 Aug, R. Marumby relay, rlg. songs & propag.; 15431 and deteriorating even further.
- 11725 Radio Marumby, Curitiba, at 0900-2100 UT Portuguese 7.5 kW. Noted at s-off 2055-2100 UT with fair S=3 level on 11724.94 kHz. (wb)
- 11735 R. Transmundial, Sta Ma RS, 1945-2003, 06 Aug, prgr announcements, rlg. songs in "Espaco Transmundial"; 44433, QRM de TZA.
- 11815 R. Brasil Central, Goiania GO, 1254-1426, 18 Aug, prgr "Estudio Livre",..., sports news at 1410 when poorer; 24443. At any rate, this & R. Transmundial are the ones that put the best daytime signals over here.
- 11855 R. Aparecida, Aparecida SP, 0955-1259, 18 Aug, prgr "Siga bem, caminhoneiro" (caminhoneiro in Braz. Portuguese, camionista in standard, European Portuguese, means truck driver) till 0958 when aired full ID+fqs list, then "Jornal Brasil Hoje",..., rlg. ceremony of Aparecida* in progress at the end of the obs. when vy. poor; 25443; // 9630 good. *) this is perhaps more or less the equivalent of the Fatima ceremonies... (Carlos Goncalves-POR, wwdxc BC-DX TopNews Aug 20)
- 11895 R. Boa Vontade, Pto Alegre RS, 1954-2012, 06 Aug, preacher often referring to the Gospel, music to match; 15431. (Carlos Goncalves-POR, wwdxc BC-DX TopNews Aug 10)
- 11780.000, R. Nacional da Amazônia, Portuguese, 2200, presumed with fanfare and news, very tough copy with co-channel jammer. 14 August (David Sharp, NSW, Australia. Yaesu FT-950 and Sony ICF-2010, dxldyg via DXLD)

11815.000, R. Brasil Central - Goiania, Portuguese, 2140, surprisingly strong and in the clear with lengthy talk by man 'till 2151, then into ads or similar. Reverb throughout! 14 August (David Sharp, NSW, Australia. Yaesu FT-950 and Sony ICF-2010, dxldyg via DXLD)

4805, RD AMAZONAS. Manaus, 1030-1050 ago 16. Presentando el programa: Amazonas verde oliva. Luego de las 1045 con programa noticioso Jornal da Manhã ...

4885, RD ACREANA. Rio Branco, 1115-1125 ago 16. Parcial ID: "...4885 kHz, onda tropicais, Radiodifusora Acreana a voz da selva, uma emissora do sistema público de comunicação do Acre..."

4925.2, RÁDIO EDUCAÇÃO RURAL. Tefé, 0200-0210 ago 16. Al dar la hora: "..informado para você a hora certa 22 horas e 1 minuto... a Rádio Educação Rural de Tefé, onda média ZYF 282 1270 Khz, ondas tropicais ZYF 261, 4925 Khz em 60 metros; uma emissora da Fundação - - - Tefe, Amazonas, Brasil..."

4935, unID en portugués, con pobre señal a las 0430, Rádio Capixaba???

5035, RADIO APARECIDA, Aparecida, 0136-0145 ago 16, Rezo del Rosario, con los oyentes via telefónica, varias menciones a "Rádio Aparecida" en // con los 6135 kHz.

9695, RADIO RIO MAR. Manaus, 1640-1730 ago 16, Tremenda señal de esta emisora en // con los 6160. Programa Falando de sobriedade. "...fundação Rio Mar é uma instituição da Arquidiocese de Manaus com ojetivo de anunciar Jesuscristo a través dos médios de comunicação... Fundação Rio Mar, evangelizando a través dos médios de comunicação..." Mencionan 1290 AM (Rafael Rodriguez R., Bogotá, Colombia, Aug 18, JRC NRD-525, Winradio G303I, Hilos de varios metros y longitudes, condiglist yg via DXLD)

CANADA - 9625 with BBCWS at 0458 Aug 18, ID and promos, but it's really the end of the first hour of CBC Overnight as then mentioned in outro, now being carried on the NQ service, but no such ID before 0500 CBC news, just as CBC Radio 1. Anyhow, back on 9625 for sure ex-9755 excursion (gh, WOR1474, DXLD)

Radio Canada International heard testing today, Aug. 19th on 9625 kHz, from about 0845 on. Interval signal followed by identification in English (female voice) and French (male voice) continuously. Still on at 0912. Normal sign-on time here is 1100 for the Northern Quebec Service heard almost daily (Robert Foerster, Germany, WOR 1474, DXLD)

CHINA - The Chinese authorities have made frequency adjustments midway during A09, affecting all transmissions which were previously operating in the new exclusive worldwide amateur radio service 7100-7200.

These regional services are affected:

Xizang Peoples' Broadcasting Service - Lhasa
Broadcasts on 7125 and 7170 have been moved to 7255 and 7450:
7255 (replacing 7125) Tibetan 2050-0200, 1000-1800
7450 (replacing 7170) Mandarin 2000-0300, 0900-1800

Xinjiang Peoples' Broadcasting Service - Urumqi
Broadcasts on 7120, 7155 and 7195 have been moved to 11975, 7230 and 7205:
11975 (replacing 7120) Kyrgyz 0330-0530 1030-1230
7230 (replacing 7155) Mongolian 2330-0330 1230-1800, Kyrgyz 0330-0530,
1210-1230 Kyrgyz
7205 (replacing 7195) Uighur 2330-0200, 1400-1800
(Bob Padula, Australia)

CNR Maintenance break.
Aug. 16; CNR-1 Re activated: 4460, 5030, 6175, 9830 kHz.
Off the Air: 5945, 7345, 9845, 9900, 11710 kHz

CNR-2 Re activated: 7375 kHz. Off the Air: 6065 kHz All Beijing transmitter site.
(Sei-ichi Hasegawa-JPN NDXC, dxld Aug 16)

XJBS - Xinjiang People's Broadcasting Station, A09

Uighur	UTC 2300-1800 (not Tue 0800-1100)
13670 0200-1400	7205-x7155 2300-0200, 1400-1800
11885 2300-1800	
9560 0300-1200	6120 2300-0300, 1200-1800

8

7275 2300-1800

Chinese Service UTC 2300-1800 (not Tue 0800-1100)

11770 2300-1800

9600 0300-1400 7310 2300-0300, 1400-1800

7260 2300-1800

5960 2300-0257, 1157-1800 9835 0257-1157

Kazakh UTC 2330-1800 (not Tue/Thur 0800-1100)

9470 0300-1200 6015 2330-0300, 1200-1800 7340 2330-1800

Mongolian UTC 2330-0330, 0530-1030 (Tue/Thur 0800), 1230-1800

6190 2330-0330, 1230-1800 9510 0530-1030 7230- x7155 2330-1800

Kyrgyz UTC 0330-0530, 1030 Tue/Thur 1100)-1230

9705 0330-0530, 1030-1230 7230- x7155 1210-1230

11975- x7120 0330-0530, 1030-1230 6190 1210-1230

XZDT - Tibet People's Broadcasting Station

Chinese 2000-1800 UTC (not Tue 0600-1000)

2230-2300, 0030-0100, 1030-1100 relay of CNR1

11950(290d) 0158-0857 / 7240(290d) 2000-0157, 0858-1800,

11860(085d) 0200-0857 / 7450-x7170(085d) 2000-0157, 0858-1800,

6050(nd), 5935 CNR1(085d), 4820(nd) 2000-1800

Tibetan 2100-1805 UTC (not Tue 0600-1000)

2300-2357, 0400-0457, 1300-1357 relay of CNR8

0700, 1630 UTC .in English "Holy Tibet

9490(085d) 0200-1000 / 7255-x7125 CNR1(085d) 2100-0200, 1000-1805

9580(290d) 0200-0930 / 7385 (290d) 2100-0200, 0930-1805

6200 CNR1(nd), 6130(290d), 6110(220d), 5240(nd),

4920(nd), 4905(nd)

(Nagoya DXC website <<http://www2.starcat.ne.jp/~ndxc/>> Aug 18)

CNR 8, the minorities service, noted in Kazakh Aug 8th at 0946 on 15415 kHz. Although the signal is low, a clear channel provides good reception. This is the highest frequency for this service. 15390 in parallel gives similar reception, 13700 is stronger and 11780 and 11630 are heard more or less like the 19 m frequencies. 12055 is blocked by DRM (Robert Foerster, Germany, Aug 11, DXLD)

CHINA [non] - 5030, CNR-1 (assumed), 1405-1502, August 10. Seems that they may be about to resume broadcasting again here and on 6175. Heard with strong open carrier, so assume they are doing some final testing of their transmitters. Has been off the air since August 4. Did not hear any carrier on 4460 (Ron Howard, Asilomar Beach, CA, Eton E1, dxldyg via WOR 1473, DXLD)

COLOMBIA - 5910, Marfil Estéreo ID as soon as I intuned, Aug 15 at 0545, then music. Frequent IDs certainly help. Modulation a bit distorted and carrier instability confirmed by switching on BFO. Believe this had been missing for a while, tho I have not tried to track it nightly. There were plans to somehow upgrade coverage of this frequency while downgrading coverage of LV de tu Conciencia, 6010. (gh, DXLD)

5910, Marfil Estereo, Lomalinda, 0550-0640, 15-08, canciones latinoamericanas, identificación: "Marfil Estereo". 23322 (Manuel Méndez, Lugo, España, Grundig Satellit 500 y Sony ICF SW7600G, Antena de cable, 8 metros, Escuchas realizadas en casco urbano de Lugo, DXLD)

COLOMBIA/CUBA - 6010 Prayer Alert from Russ Stendal. Colombia Para Cristo. 6010 Voz de tu Conciencia 0000-2400 Sp 5kW non-dir Puerto Lleras CLM HJDH We are having a major interference problem on our main short wave radio frequency on 6010 kHz; which transmits "The Voice Of Your Conscience". For several weeks now Radio Havana Cuba has been jamming our radio transmissions with communist broadcasts in English from about 12:00 PM to 6:00 AM EST (a key time slot when many people tune in and the signal goes a long ways). There are 80,000 Galcom solar radios fix tuned to our two short wave frequencies that have been distributed to men and women on all sides of this conflict.

Last year we had the opposite problem when an anti Castro group started up powerful anti communist broadcasts on our other short wave frequency, 5910 kHz. After a lot of prayer we were able to obtain international help which solved the problem. We have already filed a complaint about this new problem but the help and decision of the

international agency is nonbinding and each country is autonomous.

Another thing that we can do is to up the power on our transmitters so that our signal will dominate in Colombia. We have a new transmitter which just arrived in the container from Canada which is twice as powerful as the one we presently use. However it will require antennas, some additional parts, labor and modifications in order to tune it to our frequency and an adequate transmitter shack for the installation. All told it will take about US 32,000 to get this new system up and running properly.

Last week we also received the sad news that HCJB will be terminating their short wave broadcasts from Quito, Ecuador for a variety of reasons. This means that we may soon be the only remaining Christian short wave radio on the air in Latin America at this most critical time.

I was informed yesterday that one of our high mountain FM radio sites was destroyed in the midst of intense fighting. Guerrillas overran the ridge we were on and heavily mined the area. The army counterattacked and our house was destroyed along with some of our equipment. This site is very strategic for us because it enables us to penetrate the vast Colombia Ecuador border region which is mostly under communist control. We have another, safer and even higher site where we can continue to transmit from but it will cost over US 50,000 to replace this loss. We praise the Lord that all of our people were spared and that only material things were destroyed.

We estimate that there is a potential listening audience of well over 100 million people in Colombia, Ecuador, Brazil, Peru, Panama and Venezuela who live within optimum range of our broadcasts. Our actual listening audience is estimated to average well over 300,000 people who are tuned in at any given time, many of them live in vast areas where church buildings and meetings are strictly prohibited.

The world wide recession which has really started to take hold here in Colombia has affected us and we are in the midst of a very tight financial situation in addition to all of the above. Pray that the Lord will continue to provide whatever is necessary to keep this vital radio network on the air in the midst of all the strife and turmoil of this volatile region which is open now as never before to the Gospel.

Tax Deductible donations may be sent via: Pan-America Mission, Inc. P.O.Box 429, Newberg, OR, USA 97132.
Colombia Para Cristo Society 12629 - 248th St. Maple Ridge, BC, CANADA V4R 1K4
(via Jerry Berg-USA, DXplorer Aug 20)

Chief Editor of the NZ DX Times Mark Nicholls has discovered an interesting document at the Colombian Government Radio website, dated 17 May 2009. It lists current and projected operations on AM and on Shortwave from Colombia.

Assigned SW operations:

HJTF, Turbo, Antiquia 6085 kHz 5 kW.

Bogota stations on 9635 (HJGG), 9700 (HJGR), 11795 (HJGT), 15335 (HJGV) and 17865 kHz (HJGY), all 20 kW.

HJOY San Juan Guaviare, 6035 kHz 5 kW.

Villavicencio with 5 kW on HJHZ 5975 and HJKW 5955 kHz.

Puerto Lleras with 5 kW on HJDH 6010 and HJDH 5910 kHz.

HJOW Tumaco, Narino on 6015 kHz with 5 kW.

Projected SW operations:

HJAO Bahia Solono, Choco 6105 kHz 5 kW.

From my own observations, only the Puerto Lleras stations are being heard here.

(Bryan Clark-NZL, dxld Aug 16)

Yes, I believe we have found that before, and most of the stations are long gone, but still in the database. The Bogota ones are of course Rdif. Nacional which has been gone for sesquidecades. I think Rodriguez also commented that most of them would never be on the air. (Glenn Hauser-OK-USA, dxld Aug 16)

CONGO DEM. REP. - 6210 at 1930 UT, Radio Kahuzi first noted tentatively Friday July 3 with French news prgm, poor level to close 2006 UT. After regular daily monitoring got best reception on July 16 with VOA news prgm in Fr, En & Fr idents at 2000 UT, several gospel songs played and closed 2007 UT.

Listed 1 kW so extremely pleased with this log and QSL!

Bryan Clark, Mangawhai [Northland] reports an excellent month Dxwise 'showing our hobby is far from dead!' On Friday July 3 I found a French language station on 6210 around 1930 UTC at weak level to closedown at 2007 UTC.

I monitored the frequency daily and finally on July 16 the signal was poor-fair with sufficient readability to extract program detail and ID's in French/English for R. Kahuzi, Congo Kinshasa.

E-QSL in two weeks from station operator Richard McDonald. Listed as 1 kW but reportedly only 800watt so this rates as one of my best logs/ QSLs in 48 years of DX! (BCM Bryan Clark-NZL, NZDX Times Magazine Aug)

CONGO REP. - 6115.000 Radio Congo. Presumed the one here for the past several days, 1820+ UT with a woman in French. Possibly news after 1830. Have only had a chance to briefly listen, as I'm getting ready for work at this time. But it's been readable for the past week, all alone and no co-channel QRM. Will listen more on the weekend when I have more time and also confirm if it's exactly on-freq. August 14, 15, 16, 17.

[later] 6115.000 Radio Congo at 1808 UT in French. Decided to get up for work early and chase this a little closer. Really good today with news magazine program, with stories occasionally alternated by male and female announcers. ID by man as "Radio Congo" at 1811 UT, then into a story by a woman. Several mentions of "Congolaise" but not just national news- also heard mentions of "Niger" and "Mauritanie." Brief music bridges between segments. Very familiar to how I remember the station in the early-to-mid 1970's (when they ID'ed as "La Voix de la Revolution"). 18 Aug. (David Sharp-NSW-AUS, dxld Aug 17-19)

CUBA - RHC, 11760, August 6 at 0509 back in Spanish. You never know from one night to the next whether this frequency will be in Spanish or English. Do they change it on a whim, or just randomly? At least have not heard Portuguese lately after 0500 on any RHC frequency.

9570, CRI relay, August 6 at 1400 opening English hour --- but this is supposed to end at 1400! After a semi-minute, cut audio and after two minutes cut carrier. Meanwhile, I checked 13740 where it is supposed to be from 1400, and that was running normally; two different transmitters involved as already obvious from open carrier on 13740 which starts as early as 1350 (gh, DXLD)

At 1100 UT Aug 7 at least Radio Habana Cuba in Spanish, fair signal on 11760 13760 15120 15360 kHz. 15120 has a problem with main power, many breaks and carrier drop outs. 12000/11875 not observed in Europe (Wolfgang Büschel, Germany, dxldyg via DXLD)

Because as I have frequently reported, 12000 is no longer in use, and 11875 had been used only on Sunday mornings for Aló Presidente, abandoned much longer than that.

RHC at 0458 August 7: IS on both 11690 and 11760. I knew 11690 was about to go off so listened to 11760 which at 0500 went to vamp music, opening Spanish, Revista Informativa de la Noche at 8-11 pm = 0000-0300 UT, no mention of an 0500 playback. 11760 is the channel which is sometimes in English, sometimes in Spanish after 0500 (gh, DXLD)

Surprised to hear RHC Spanish programming on 13740, Aug 9 at 1354, as it's supposed to be a CRI-relay frequency only from 1400 in English, but usually on 10-15 minutes early with open carrier. That made it // RHC intentional frequencies 13680, 13760 and 13780, which with the mixing products on 13580 and 13880 make six // on 22m.

Around 1357, 13740 switched to CRI musical prélude. For further anomalies after 2000 when Aló, Presidente appeared on some RHC-only frequencies, see VENEZUELA [non] (gh, DXLD)

New RHC antenna --- in RHC's Mailbag 20 July at 0345 on 6000, a listener in Nigeria wrote that reception was difficult there. In reply, Ed Newman said that from next month a new antenna would be in use targeting Africa and mentioned a new programme called 'Focus on Africa' (or similar) (Alan Pennington, Aug BDXC-UK Communication via DXLD)

CUBA [and non] - RHC check August 8: at 0517, 11760 in Spanish instead of English, poor with fades. At 0532, found Spanish also on 6140, 6120, neither very good, and just barely audible mixing with presumed Bulgaria on 6000. RHC English on 6060, but missing from 6010! At 0540 could detect some very weak Spanish talk on 6010, but could not tell whether it was Colombia or Mexico; bothered by splash from CRI Sackville 6020 (Glenn Hauser, OK, DXLD)

DJIBOUTI - 4780, RTV Djibouti, Dorale, *0259, Aug 10 – transmitter on at 0243 with OC, 1 kHz tone from 0255. Orchestral anthem at 0259 s/on, Arabic speaker with brief opening announcements and directly into Qur'an recitations lasting until 0308. Good signal, s/on concurrent with sunrise at the transmitter. Occasional ute QRM on the upper side band and mild CODAR (Brandon Jordan - Memphis, TN, USA, <<http://www.bcdx.org>> Perseus SDR, Wellbrook ALA100, dxldyg via WOR 1473, DXLD) But see also KURDISTAN

ECUADOR - HCJB Global Voice Moves Up End Date of International Broadcasts from Ecuador

The end date for international broadcasts from Radio Station HCJB in Ecuador has been moved up as the missionary radio ministry defines new strategies for future outreach.

Anticipating the opening of the new Quito airport near the station's international transmitter site in Pifo, staff members have already dismantled all but 14 antennas and towers. Present shortwave broadcasts in Portuguese, Spanish, German and indigenous languages, including Quichua, had earlier been announced to end no later than April 1, 2010. These international broadcasts will cease between September and November 2009.

Announcing the earlier closure date of Pifo, Graham Bulmer, HCJB Global's director for the Latin America Region, said, "These times stretch us, causing us both to doubt and to grow in faith and hopefully drive us to confess our dependence on God. We believe He is guiding us. We hold all things with open hands and pursue understanding of what God expects of us as stewards of the resources of His kingdom."

The Pifo closure will impact Radio Station HCJB's Quichua Language Service with some programming moving from the shortwave frequencies to local AM and FM channels. Investigations are also being made regarding the possibility of transferring HCJB-2, the ministry's 37-year-old FM station in Guayaquil (Ecuador's largest city), into the hands of local partners.

The mission's newer strategy, begun in the 1990s, has been to reduce its emphasis on shortwave in Latin America while focusing on "radio planting" or assisting local ministries realize their dream of beginning a Christian radio ministry. More than 300 local stations have been helped in these endeavors worldwide, including about 60 in Latin America. HCJB Global also continues to expand its training ministries across the region.

"The way people consume media has changed," said HCJB Global President Wayne Pederson. "So we have the opportunity to change to delivery systems such as satellite, FM Internet and podcasting. The closing of shortwave in Latin America is strategic because of the planting of local FM radio stations across the region and around the world. These stations are staffed and programmed by local believers who can speak to the culture in their own communities."

Pederson recently told the staff that a high priority for the mission is its initiative for Latin America called Corrientes that launches in October. The coalition of more than 10 Christian organizations involves training Latin Americans for bi-vocational mission work around the world.

(HCJB Global Weekly News Update" Week of Aug.3-7)

Sendebetrieb wird von Ecuador aus fortgesetzt /Quito/Ecuador im August 2009

Die Deutsche Partnerabteilung des Missionswerkes "HCJB global" wird weiter von Quito/Ecuador aus auf Sendung gehen. Trotz anderslautender Berichte und Gerüchte wollen die Verantwortlichen versuchen, dafür neben anderen Medien die Kurzwelle auch in Südamerika weiter zu benutzen. Geplant ist daher, ab dem 1. Oktober 2009 Zeit bei anderen Sendestellen zu mieten, damit das Programm ohne Unterbrechungen weiter über Kurzwelle Südamerika zu hören ist, wie es zur Zeit auch schon in Europa praktiziert wird.

Wie die Missionsleitung von "HCJB global" mit Sitz in Colorado Springs/USA inzwischen offiziell mitteilte, wird der Sendebetrieb für Kurzwelle von Pifo/Ecuador aus Ende September 2009 endgültig eingestellt werden. Dieser für alle Beteiligten schmerzhafteste Schritt ist notwendig geworden, weil das Antennenfeld in Pifo in der Einflugschneise des neuen Flughafens von Ecuadors Hauptstadt Quito liegt. Aus diesem Grund wurde bereits vor einigen Jahren von "HCJB global" mit der Betreiber-Gesellschaft Quiport eine Vereinbarung zum Abbau sämtlicher Antennen und Sendeanlagen in Pifo getroffen. Andernfalls hätte sich "HCJB global" bei einem Unglücksfall immensen Schadensersatzforderungen ausgesetzt gesehen. Die ersten Testflüge am neuen Flughafen sollen bereits im Frühjahr 2010 stattfinden.

Die ehemals komplett unter der Regie von "HCJB global" stehende Deutsche Abteilung hat auf die Veränderungen mit einem mutigen Schritt reagiert. Seit Juni dieses Jahres arbeiten die deutschen Radiomacher in neuen Räumen in Quito als eigenständiger Verein "Vozandes Media". Man steht jedoch weiter in Partnerschaft mit "HCJB global". Der neue Verein "Vozandes Media" wiederum arbeitet unter der Verantwortung der Arbeitsgemeinschaft Radio HCJB in Deutschland.

Wichtigstes Ziel der Verantwortlichen ist es nun, schnellstmöglich den Fortbestand der Kurzwelle zu sichern. Besonderes Augenmerk bekommt dabei auch die digitale Kurzwelle (DRM), die ebenfalls genutzt werden soll. Davon könnte in Zukunft nicht nur der deutsche Dienst, sondern weitere Radiopartner von "HCJB global" profitieren.

Der Leitvers des Gründers von Radio HCJB (1931), Dr. Clarence Jones, gewinnt in dieser Situation wieder an Bedeutung. "Rufe mich an, so will ich dir antworten und will dir kundtun große und unfassbare Dinge, von denen du

nichts weißt." (Jeremia 33,3).

Im Vertrauen auf den treuen Gott und sein Versorgen will die Deutsche Partnerabteilung von "HCJB global" versuchen, die Arbeit weiterzuführen und wenn möglich sogar auszubauen. Menschen in Europa und Südamerika sollen durch Kurzwelle und andere Medien wie Internet, Satellit etc. das Evangelium von Jesus Christus hören und in ihrem Glauben gestärkt werden.

Diese Arbeit wird, wie in den vergangenen Jahrzehnten, weiterhin ausschließlich durch Spenden finanziert. Dies alles ist ein gewaltiger Glaubensschritt, zumal nun noch mehr als früher Sendezeit zugekauft werden muss. Aus diesem Grund hofft das deutsche Team darauf, dass die Kurzwellenfreunde und alle HCJB-Hörer und Unterstützer diese Bemühungen weiterhin unterstützen.

(Pressemitteilung der Deutschen Abteilung von "HCJB global" / VozAndesMedia, via a-dx, Stephan Schaa)

EGYPT - Still very distorted signals from Radio Cairo in Arabic to West Africa 0700-1100 on 15790. The 100 kW invested in this broadcast are, on most days, a waste of precious energy. Today, Aug. 17th, heard with quite a strong signal but almost unreadable modulation at 0917. About a week ago, there was almost no modulation at all. (Robert Foerster, Germany, Aug 17, DXLD)

EQUATORIAL GUINEA - 5005, Radio Nacional, Bata, 0530-0600, Aug 16, tune-in to Afro-pop music. Spanish announcements. Weak but readable. 6250 not heard (Brian Alexander, PA, DXLD)

15190, Aug 17 at 1554 with revival music, undermod talk in English, has to be R. Africa, the home away from home for convict Tony Alamo (gh, DXLD)

ERITREA - 7175, Voice of the Broad Masses, Asmara, 1944-2001*, 06 Aug, Arabic, talks, local songs, ID, natl. anthem at 2000; 55433 (Carlos Goncalves, Portugal, DXLD)

ERITREA [and non] - Clandestine: 7165.01, 0415-0430* Wed 05.08, Voice of Peace and Democracy of Eritrea, via Geja Jewe, Ethiopia Tigrinya talk, short Horn of Africa music and closing announcement, 45343 // 9560.00 (23222 Heterodyne).

7175.00, 0420-0430 Wed 05.08, Voice of the Broad Masses of Eritrea, Asmara, Tigrinya (?), not Arabic! Horn of Africa music, talk, 0430-0500 talk in Amharic (presumed), and Horn of Africa music, 0500 news in Afar (presumed), 35333 (Anker Petersen, on my AOR AR7030PLUS with 28 metres longwire here in Skovlunde, Denmark, via Dario Monferini, playdx yg via DXLD)

ETHIOPIA/ERITREA - 7175 Voice of the Broad Masses, Asmara, 1944-2001*, 06 Aug, Arabic, talks, local songs, ID, natl. anthem at 2000; 55433. (Carlos Goncalves-POR, wwdxc BC-DX TopNews Aug 10)

7110 R. Ethiopia, Geja Dera, 1451-1526, 07 Aug, Vernacular, local songs, news (pres) at 1500; 25432. Vy. good at 1700.

7165 R. Ethiopia, Geja Jawe, 1302-1446, 05 Aug, Vernacular, presumably Afar, talks,..., Arabic at 1400, talks & songs; 15331; // 9560.7. It seemed, however, that there were two different feeds being aired on 7165, or then a second stn underneath ETH.

7210 R. Fana (pres), Addis Ababa, 1505-1526, 05 Aug, Vernacular, tribal songs; 24432; co-ch. UNID in Vernacular - Eritrea? (Carlos Goncalves-POR, wwdxc BC-DX TopNews Aug 10)

VoTR 5950 usually on and heard well until 1900, 6170 is currently // almost every day, otherwise clear frequency 1700-1800, but VoTR may sign on after 1700 UT ...

R. Fana, 6110 is on, but no // heard, there seems to be an East African signal on 7210 also, but not Fana, more likely VoBME. 6890 empty.

R. Oromia 6030 is on.

Amhara State radio, 6090 is hard to catch, much DRM around.

R. Ethiopia Home service, 5989.6 and 9704.2 are on all the time, 7110 is usually off for a few hours in the afternoons/early evenings. Yesterday, Aug. 19, it was on again at 1730 when jamming on 7165 stopped.

VoBME ... was on 7175 yesterday, absolutely clear, unlike other days when it was jammed on 7165. Seems ETH

technicians forgot to retune the jamming transmitter to 7175... usual s/off seems to be 1900 rather than 2000.

R. Ethiopia External service, 7165 jammed from 1600 to 1730 yesterday as on many other days, but 9560 was strange: Up to three carriers heard after 1700, approx. on 9560.1, 9560.3, 9560.7 or so, but almost no modulation.

R. Bana 5100 unheard, also 8000 or 7100 is not used. (Thorsten Hallmann-D, dxld Aug 20)

5989.610 kHz, R Ethiopia home sce, SIO 343, 1922 UTC, Aug 21, LSB am besten.
(Nils Schiffhauer-D DK8OK, A-Dx Aug 21)

9560 R. Ethiopia or the Voice of Peace & Democracy?, Geja Jawe, 1532-1600, 16 Aug, Vernacular (not Arabic), talks (news?) at 1530, music; 44433, adjt. QRM; deteriorating.

9704.2 R. Ethiopia, Geja Dera, 1521-1558, 16 Aug, Vernacular, local songs, chatter; 45433; almost blocked by KOR at 1558. (Carlos Goncalves-POR, wwdxc BC-DX TopNews Aug 20)

ETHIOPIA - 6110, 0310-0315 08.08, R Fana, Addis Ababa, Amharic interview, Horn of Africa music 45333 (Not heard on 6890 or 7210).

6170, *0258-0310 08.08, Voice of the Tigray Revolution, Addis Ababa, Tigrinya announcement after Horn of Africa IS, ID and Horn of Africa music 25232 // 5950 (35333). Also heard on 6170 at 1855 (QSA 4) (Anker Petersen, on my AOR AR7030PLUS with 28 metres longwire here in Skovlunde, Denmark, via Dario Monferini, playdx yg via DXLD)

6170, Voice of Tigray Revolution, *0257-0310, Aug 16, sign on with IS. Vernacular talk at 0300. Horn of Africa music. Poor. Weak with strong adjacent channel splatter. 6170 not heard very often. // 5950 - weak under Okeechobee. 5980 not heard (Brian Alexander, PA, DXLD)

ETHIOPIA [non] - While monitoring Argentina on 15344, Aug 17 at 1643, noticed flute music, unID language talk on poor 15340, 1656 HOA(?) singing, but off by 1658. Since Morocco is on 15345 at this hour, must be something else. Looked up later in Aoki, it's the Monday-only 1600-1700 broadcast of EOTC Holy Synod Radio, clandestine to Ethiopia in Amharic, via Samara, Russia, 200 kW, 188 degrees (gh, DXLD)

GERMANY - Summer A-09 of Media Broadcast(ex DTK T-Systems).

Voice of Croatia:

0100-0500	9925	NAU	100	kW	325	deg	to	NWAm	Croatian/English/Spanish
2200-0300	9925	WER	100	kW	240	deg	to	SoAm	Croatian/English/Spanish
2300-0300	9925	WER	100	kW	300	deg	to	NEAm	Croatian/English/Spanish

Radio Japan NHK World

0330-0400	6130	WER	250	kW	045	deg	to	RUS	Russian
0430-0500	6130	WER	250	kW	060	deg	to	RUS	Russian
0530-0600	9850	WER	500	kW	195	deg	to	WeAf	French
0530-0600	11750	WER	500	kW	180	deg	to	WeAf	French
0830-0900	15190	WER	500	kW	105	deg	to	WeAs	Persian
1200-1230	9790	WER	250	kW	300	deg	to	WeEu	English
1300-1345	17595	WER	500	kW	075	deg	to	SoAs	Bengali
1345-1515	17595	WER	500	kW	090	deg	to	SoAs	Hindi/Urdu

Polish Radio External Service

1030-1100	11915	WER	100	kW	300	deg	to	WeEu	Polish
1030-1100	11995	NAU	100	kW	100	deg	to	EaEu	Polish
1100-1130	13745	WER	100	kW	060	deg	to	EaEu	Russian
1100-1130	13840	WER	100	kW	090	deg	to	EaEu	Russian
1130-1200	5965	WER	100	kW	non-dir	to	WeEu	German	
1130-1200	5975	WER	100	kW	040	deg	to	WeEu	German
1200-1300	7330	NAU	100	kW	005	deg	to	WeEu	English
1200-1300	9525	WER	100	kW	300	deg	to	WeEu	English
1300-1330	11835	WER	100	kW	060	deg	to	EaEu	Russian
1300-1330	13690	WER	500	kW	060	deg	to	EaEu	Russian
1330-1430	9440	JUL	100	kW	060	deg	to	EaEu	Belorussian
1330-1430	11975	JUL	100	kW	070	deg	to	EaEu	Belorussian
1430-1500	11750	JUL	100	kW	085	deg	to	EaEu	Ukrainian
1430-1500	11955	WER	100	kW	045	deg	to	EaEu	Russian

1500-1530 9440 JUL 100 kW 070 deg to EaEu Ukrainian
 1500-1530 11750 WER 100 kW 075 deg to EaEu Ukrainian
 1530-1600 5975 WER 100 kW 045 deg to WeEu German
 1530-1630 9670 JUL 100 kW 085 deg to EaEu Polish
 1630-1700 9670 WER 100 kW 060 deg to EaEu Belorussian
 1700-1800 7265 WER 040 kW 300 deg to NoEu English DRM
 1700-1800 9790 ISS 100 kW 025 deg to NoEu English
 1800-1830 6140 WER 100 kW 075 deg to EaEu Russian
 1800-1830 9695 WER 100 kW 120 deg to EaEu Hebrew
 1830-1900 6175 WER 100 kW 075 deg to EaEu Ukrainian
 1830-1930 6140 WER 100 kW 075 deg to EaEu Ukrainian
 1900-1930 6050 WER 100 kW 045 deg to EaEu Russian
 1930-2000 6030 WER 040 kW non-dir to WeEu German DRM
 1930-2000 6135 WER 100 kW 040 deg to WeEu German
 2100-2200 6155 WER 100 kW 055 deg to EaEu Polish
 2100-2200 7245 NAU 250 kW 220 deg to WeEu Polish

WYFR (Family Radio):

1800-1900 3975 WER 100 kW non-dir to CeEu Hungarian
 1800-1900 9635 NAU 250 kW 230 deg to SoEu Spanish
 1800-1900 9895 WER 100 kW 105 deg to SEEu Romanian
 1900-2000 3975 WER 100 kW non-dir to SEEu Serbian
 1700-1900 9565 NAU 250 kW 065 deg to EaEu Russian
 1600-1700 11670 NAU 500 kW 105 deg to WeAs Persian
 1700-1800 11850 WER 500 kW 105 deg to WeAs Persian
 1600-1700 13645 WER 500 kW 120 deg to N/ME Arabic
 1700-1800 11885 WER 500 kW 120 deg to N/ME Arabic
 1800-1900 11600 WER 250 kW 150 deg to NoAf Arabic
 1900-2000 9590 WER 500 kW 150 deg to NoAf Arabic
 1900-2000 11840 WER 500 kW 210 deg to WeAf French
 2000-2200 6115 NAU 250 kW 210 deg to WeAf Arabic
 2200-2300 7420 WER 250 kW 210 deg to WeAf Arabic
 1700-1800 13840 WER 100 kW 180 deg to NEAf Arabic
 1800-1900 13790 WER 500 kW 180 deg to WCAf Hausa
 1900-2200 9610 WER 500 kW 180 deg to WCAf English
 2000-2100 9595 WER 500 kW 180 deg to WCAf French
 2100-2200 9720 WER 500 kW 180 deg to WCAf French
 1600-1700 15750 NAU 500 kW 155 deg to EaAf Amharic
 1700-1800 15750 NAU 500 kW 155 deg to EaAf Swahili
 1400-1500 13605 WER 250 kW 075 deg to CeAs Uzbek
 1300-1500 15255 NAU 500 kW 084 deg to SoAs Bengali
 1400-1500 13660 WER 500 kW 090 deg to SoAs Sinhala
 1400-1600 15670 WER 500 kW 090 deg to SoAs Hindi
 1400-1600 15715 WER 500 kW 090 deg to SoAs Kannada
 1500-1600 13830 WER 250 kW 075 deg to SoAs Gujarati
 1500-1700 15370 NAU 500 kW 095 deg to SoAs Tamil
 1600-1700 11680 WER 500 kW 090 deg to SoAs Hindi
 1700-1800 11730 WER 250 kW 075 deg to SoAs Punjabi
 1400-1500 15690 ISS 500 kW 088 deg to SoAs Malayalam
 2200-0100 11965 GUF 250 kW 170 deg to SoAm Portuguese
 0000-0100 9760 GUF 250 kW 215 deg to SoAm Spanish
 0200-0300 9760 GUF 250 kW 215 deg to SoAm Spanish

IBC Tamil Radio:

0000-0100 7205 NAU 100 kW 103 deg to SoAs Tamil

Athmee Yatra He/Gospel For Asia (GFA):

0030-0130 9435 WER 250 kW 090 deg to SEAs South East Asian langs
 1230-1500 15350 WER 250 kW 090 deg to SEAs South East Asian langs
 1330-1530 15390 ISS 250 kW 075 deg to SEAs South East Asian langs
 1530-1630 13750 WER 250 kW 090 deg to SEAs South East Asian langs
 2330-0030 9680 WER 250 kW 075 deg to SEAs South East Asian langs

Radio Free Asia (RFA):

0100-0300 9885 WER 250 kW 075 deg to SEAs Tibetan

Radio Liberty (RL):

0030-0400 7280 WER 250 kW 105 deg to WeAs Persian Radio Farda
 0400-0500 9635 WER 250 kW 105 deg to WeAs Persian Radio Farda
 1400-1500 17670 WER 250 kW 105 deg to WeAs Persian Radio Farda
 1600-1700 7340 WER 250 kW 105 deg to WeAs Persian Radio Farda
 1800-1900 9855 WER 250 kW 090 deg to WeAs Persian Radio Farda
 1600-1700 6060 WER 250 kW 060 deg to CeAs Uzbek
 1400-1500 9510 WER 250 kW 075 deg to CeAs Uzbek
 1500-1600 11810 WER 250 kW 090 deg to CeAs Avari/Chechen/Cherkassi
 1500-1600 15565 WER 250 kW 090 deg to CeAs Azeri
 1900-2000 9805 WER 250 kW 060 deg to CeAs Tatar Bashkir
 1400-1500 13830 WER 250 kW 090 deg to CeAs Turkmen
 1500-1600 7260 WER 250 kW 090 deg to CeAs Turkmen
 1600-1700 7350 WER 250 kW 090 deg to CeAs Turkmen
 1500-1600 7420 WER 250 kW 075 deg to CeAs Turkmen
 1500-1700 9725 WER 125 kW 060 deg to EaEu Belorussian
 1700-1900 6050 WER 250 kW 045 deg to EaEu Belorussian
 1600-1700 6105 WER 250 kW 060 deg to EaEu Belorussian
 1600-1700 7270 WER 250 kW 060 deg to EaEu Russian

Voice of America (VOA):

0230-0330 9695 WER 250 kW 105 deg to WeAs Persian
 1600-1930 6040 WER 250 kW 105 deg to WeAs Persian
 1700-1800 9760 WER 250 kW 105 deg to WeAs Persian
 0500-0600 9770 NAU 250 kW 105 deg to WeAs Kurdish
 1400-1500 15130 NAU 250 kW 113 deg to WeAs Kurdish
 1700-1800 11950 NAU 250 kW 113 deg to WeAs Kurdish
 1430-1530 15380 WER 250 kW 105 deg to WeAs Pashto (Radio Ashna)
 1530-1630 15380 WER 250 kW 105 deg to WeAs Dari (Radio Ashna)
 1500-1530 12110 WER 250 kW 075 deg to CeAs Uzbek
 1700-1800 9780 WER 250 kW 090 deg to SoAs Pashto (Deewa Radio)
 1630-1700 15430 NAU 250 kW 140 deg to EaAf Somali
 1730-1800 11905 NAU 250 kW 140 deg to EaAf Afan Oromo Mon-Fri
 1730-1800 13870 WER 250 kW 150 deg to EaAf Afan Oromo Mon-Fri
 1800-1900 12140 WER 250 kW 150 deg to EaAf Amharic
 1900-1930 12140 WER 250 kW 150 deg to EaAf Tigrigna Mon-Fri
 1800-1900 13870 NAU 250 kW 140 deg to EaAf Amharic
 1900-1930 13870 NAU 250 kW 140 deg to EaAf Tigrigna Mon-Fri
 0300-0330 5995 NAU 250 kW 155 deg to EaAf Arabic Hello Darfur
 1900-1930 9650 WER 250 kW 150 deg to EaAf Arabic Hello Darfur
 2030-2100 9815 NAU 250 kW 190 deg to CeAf Hausa Mon-Fri
 2030-2100 9815 NAU 250 kW 190 deg to CeAf French Sat/Sun

CVC International

1400-2100 17770 JUL 100 kW 145 deg to WCAf English
 1200-1600 11770 JUL 100 kW 060 deg to RUSS Russian
 1600-1800 13640 JUL 100 kW 060 deg to RUSS Russian
 1800-2000 11945 JUL 100 kW 060 deg to RUSS Russian

Brother Stair/The Overcomer Ministries (TOM):

1400-1600 6110 JUL 100 kW 290 deg to WeEu English
 1400-1600 13810 NAU 100 kW 120 deg to WeAs English
 1500-1600 17485 JUL 100 kW 160 deg to CeAf English
 1900-2000 6175 WER 125 kW 300 deg to WeEu English

Radio Dabanga

1530-1725 13730 WER 500 kW 150 deg to EaAf Arabic

HCJB Global:

1700-1800 6015 WER 100 kW non-dir to WeEu German

IBRA Radio:

1730-1800	11985	JUL	100	kW	145	deg	to	EaAf	Swahili
1730-1800	15600	ISS	100	kW	125	deg	to	EaAf	Somali
1800-1900	13840	WER	250	kW	150	deg	to	CeAf	Arabic/Sara Gambai/Zaghawa
2000-2030	9675	NAU	100	kW	210	deg	to	WeAf	Hausa/Fr/Fulfulde/Bambara

Lutheran World Federation Voice of Gospel

1715-1800	11645	WER	250	kW	150	deg	to	WCAf	Fulani
1830-1900	9655	ISS	250	kW	167	deg	to	WCAf	Hausa

FEBA Radio

1900-1930	7230	WER	250	kW	105	deg	to	WeAs	Arabic
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Democratic Voice of Burma (DVOB):

2330-0030	9490	WER	125	kW	075	deg	to	SEAs	Burmese
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Adventist World Radio (AWR):

0300-0330	6065	WER	250	kW	135	deg	Daily	to	EaAf	Tigrigna
0300-0330	9845	WER	250	kW	135	deg	Daily	to	EaAf	Oromo
0330-0400	9815	WER	250	kW	135	deg	Daily	to	EaAf	Amharic
0400-0430	7270	WER	250	kW	120	deg	Daily	to	ME	Arabic
0500-0600	6145	WER	100	kW	120	deg	Daily	to	EaEu	Bulgarian
0700-0800	11980	WER	100	kW	210	deg	Daily	to	NoAf	Arabic
0800-0830	11980	WER	100	kW	210	deg	Daily	to	NoAf	Kabyle
0800-0900	12010	WER	100	kW	210	deg	Daily	to	NoAf	French/Tachelhit
0900-1000	9790	NAU	100	kW	180	deg	Sun	to	SoEu	Italian
1200-1300	15435	WER	250	kW	090	deg	Daily	to	SoAs	English/Bangla
1300-1330	15320	NAU	250	kW	070	deg	Mon-Fri	to	EaAs	Chinese
1300-1330	15320	NAU	250	kW	070	deg	Sat/Sun	to	EaAs	Uighur
1330-1500	15320	NAU	250	kW	070	deg	Daily	to	EaAs	Chinese
1500-1600	15160	ISS	250	kW	080	deg	Daily	to	SoAs	Nepali/Hindi
1500-1530	15335	WER	250	kW	090	deg	Daily	to	SoAs	Punjabi
1530-1600	15335	WER	250	kW	075	deg	Daily	to	SoAs	English
1630-1700	17575	WER	250	kW	135	deg	Daily	to	EaAf	Somali
1700-1730	9445	WER	250	kW	120	deg	Daily	to	ME	Arabic
1730-1800	11915	WER	100	kW	210	deg	Daily	to	NoAf	Kabyle
1730-1800	17575	WER	250	kW	135	deg	Daily	to	EaAf	Oromo
1900-1930	15205	NAU	250	kW	215	deg	Daily	to	CeAf	Fulfulde
1930-2000	15205	WER	250	kW	165	deg	Daily	to	CeAf	Ibo
1900-2000	9765	WER	100	kW	210	deg	Daily	to	NoAf	Arabic/Tachelhit
2000-2030	9765	WER	100	kW	210	deg	Daily	to	NoAf	French
2000-2100	11755	WER	100	kW	180	deg	Daily	to	WeAf	French/Yoruba

Radio Netherlands:

0500-0555	6015	NAU	250	kW	243	deg	Daily	to	Europe	Dutch
0500-0555	9895	NAU	250	kW	160	deg	Daily	to	Europe	Dutch
0600-0655	6035	NAU	250	kW	215	deg	Daily	to	Europe	Dutch
0600-0655	9895	NAU	250	kW	226	deg	Daily	to	Europe	Dutch
0700-0755	6035	NAU	250	kW	186	deg	Daily	to	Europe	Dutch
0700-0755	6120	WER	250	kW	300	deg	Daily	to	Europe	Dutch
0700-0755	11935	WER	250	kW	240	deg	Daily	to	Europe	Dutch
0800-0955	6120	WER	250	kW	255	deg	Mon-Fri	to	Europe	Dutch
0800-0955	5955	WER	250	kW	non-dir	Sat		to	Europe	Dutch till Aug.31
0800-0955	9895	NAU	250	kW	221	deg	Sat	to	Europe	Dutch till Aug.31
1000-1655	5955	WER	250	kW	non-dir	Sun		to	Europe	Dutch from Sep.01
1000-1655	5955	WER	250	kW	non-dir	Daily		to	Europe	Dutch till Aug.31
1000-1655	9895	WER	250	kW	240	deg	Daily	to	Europe	Dutch till Aug.31
1000-1655	9895	WER	250	kW	240	deg	Sun	to	Europe	Dutch from Sep.01
1500-1555	13700	NAU	500	kW	140	deg	Daily	to	Europe	Dutch
1500-1555	13700	NAU	500	kW	230	deg	Daily	to	Europe	Dutch
1500-1655	5955	WER	250	kW	non-dir	Mon-Sat		to	Europe	Dutch from Sep.01
1500-1655	9895	WER	250	kW	240	deg	Mon-Sat	to	Europe	Dutch from Sep.01
1600-1655	13700	NAU	500	kW	140	deg	Daily	to	Europe	Dutch till Aug.31
1600-1655	13700	NAU	500	kW	230	deg	Daily	to	Europe	Dutch till Aug.31
1700-1725	11665	WER	500	kW	120	deg	Daily	to	Europe	Dutch

1800-1955	15535	WER	500	kW	150	deg	Daily	to Africa	English
1900-1955	15335	NAU	500	kW	183	deg	Daily	to Africa	English
2000-2155	6125	NAU	250	kW	225	deg	Daily	to Europe	Dutch
2100-2125	9895	NAU	250	kW	320	deg	Daily	to Europe	Dutch till Aug.31

Hamburger Lokalradio:

0900-1000	6045	WER	100	kW	non-dir	1st	Sun	to CeEu	German
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Mecklenburg Verpommern Baltic Radio:

0900-1000	6140	WER	100	kW	non-dir	1st	Sun	to WeEu	German
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Blue Star Radio:

0900-1000	6140	WER	100	kW	non-dir	2nd	Sun	to CeEu	Music
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European Music Radio:

0900-1000	6140	WER	100	kW	non-dir	3rd	Sun	to CeEu	Music
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Radio Gloria International:

0900-1000	6140	WER	100	kW	non-dir	4th	Sun	to CeEu	Music
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Christian Science Sentinel:

0900-1000	6055	WER	100	kW	090	deg	Sun	to CeEu	German
1800-1900	9585	WER	125	kW	075	deg	Sat	to EaEu	Russian

Evangelische Missions Gemeiden:

1030-1100	6055	WER	125	kW	non-dir	Sat/Sun		to CeEu	German
1100-1130	13710	NAU	250	kW	020	deg	Sat	to FE	Russian
1500-1530	11955	NAU	250	kW	087	deg	Sat	to EaEu	Russian

Missionswerke Arche Stimme des Trostes

1100-1115	5945	WER	250	kW	non-dir	Sun		to CeEu	German
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Radio Traumland:

1300-1400	5945	WER	100	kW	non-dir	Sun		to CeEu	German
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Voice of Oromia Liberation Front:

1600-1630	11760	WER	500	kW	135	deg	Sun/Tue/Thu	to EaAf	Oromo
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Cheetah Radio:

1600-1700	11730	JUL	100	kW	090	deg	Sat	to SoAs	English
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Radio Huriyo:

1630-1700	11640	NAU	100	kW	145	deg	Tue/Fri	to EaAf	Somali
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Voice of Oromiya Independence:

1700-1730	13830	JUL	100	kW	130	deg	Sat	to EaAf	Oromo/Amharic
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Radio Oromiyaa Liberation

1730-1800	13830	JUL	100	kW	130	deg	Fri	to EaAf	Oromo/Amharic
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Ethiopia Adera Dimts Radio

1700-1800	13820	NAU	500	kW	140	deg	Sat	to EaAf	Amharic
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Voice of Democratic Eritrea-Ethiopian Liberation Forum

1700-1730	13820	NAU	125	kW	145	deg	Thu	to EaAf	Tigrinya
1730-1800	13820	NAU	125	kW	145	deg	Thu	to EaAf	Arabic

Voice of Ethiopian Unity-Ethiopians for Democracy:

1700-1800	13820	WER	250	kW	135	deg	Sun/Wed	to EaAf	Amharic
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Voice of Oromo Liberation (Sagalee Bilisummaa Oromoo):

1700-1800	13830	JUL	125	kW	130	deg	Sun/Wed	to EaAf	Oromo
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Radio Reveil Paroles de Vie:

1830-1845	15675	NAU	100	kW	170	deg	Tue/Thu	to CeAf	French
Bible Voice Broadcasting Network (BVBN)									
0700-0815	5945	WER	100	kW	300	deg	Sat	to WeEu	English
0700-0730	5945	WER	100	kW	300	deg	Sun	to WeEu	English
1800-1830	6130	WER	125	kW	055	deg	Tue	to EaEu	Russian
1800-1815	6130	WER	125	kW	055	deg	Fri	to EaEu	Russian
1800-1815	6130	WER	125	kW	055	deg	Thu	to EaEu	Ukrainian
1800-1845	6130	WER	125	kW	055	deg	Sat	to EaEu	English
1800-1900	6130	WER	125	kW	055	deg	Sun	to EaEu	English
1800-1830	9435	NAU	125	kW	230	deg	Sun	to SoEu	Spanish
0900-1000	17535	WER	125	kW	135	deg	Fri	to NoAf	Arabic
1930-2000	11830	JUL	100	kW	175	deg	Sat	to WeAf	French/Ajda
1830-1845	11830	JUL	100	kW	160	deg	Sun	to CeAf	Swahili
1845-2000	11830	JUL	100	kW	160	deg	Sun	to CeAf	English
0430-0530	11865	WER	250	kW	120	deg	Mon-Thu	to EaAf	Arabic
0430-0515	11865	WER	250	kW	120	deg	Fri	to EaAf	Arabic, ex-0545
0430-0530	11635	WER	125	kW	135	deg	Sat	to EaAf	Amharic
0430-0500	11635	WER	125	kW	135	deg	Sun	to EaAf	Amharic
1630-1800	13810	JUL	100	kW	130	deg	Mo/Tu/Fr	to EaAf	Amhar/Tigrinya/Amhar
1600-1800	13810	JUL	100	kW	130	deg	Wed	to EaAf	Amharic
1630-1800	13810	JUL	100	kW	130	deg	Thu	to EaAf	Amharic
1800-1900	13810	JUL	100	kW	130	deg	Fri	to EaAf	Somali/Amharic
1600-1630	13810	JUL	100	kW	130	deg	Sat-Mon	to EaAf	Oromo
1630-1800	13810	JUL	100	kW	130	deg	Sat	to EaAf	Amharic
1800-1830	13810	JUL	100	kW	130	deg	Sat	to EaAf	Somali
1630-1800	13810	JUL	100	kW	130	deg	Sun	to EaAf	Amharic
1800-1900	13810	JUL	100	kW	130	deg	Sun	to EaAf	Somali/Amharic
1630-1730	15495	WER	100	kW	150	deg	Daily	to EaAf	Nuer/Dinka
1730-1745	15495	WER	100	kW	150	deg	Fri	to EaAf	Fur
1545-1700	9430	JUL	100	kW	115	deg	Mon/Wed	to ME	Arabic
1615-1630	9430	JUL	100	kW	115	deg	Fri	to ME	Arabic
1700-1800	9430	WER	100	kW	120	deg	Sat	to ME	English
1730-1800	9430	WER	100	kW	120	deg	Sun	to ME	English
1830-1900	9430	WER	250	kW	120	deg	Fri	to ME	English
1800-1900	9430	WER	250	kW	120	deg	Sat	to ME	English
1815-1845	9430	WER	250	kW	120	deg	Sun	to ME	English
1530-1545	11955	WER	250	kW	105	deg	Sun	to ME	En/Persian
1800-1830	11970	NAU	100	kW	105	deg	Mon/Wed/Fri	to ME	Persian
1800-1900	11970	NAU	100	kW	105	deg	Tue/Thu	to ME	Persian
1830-1900	11970	NAU	100	kW	105	deg	Sun	to ME	Persian
1800-1815	11970	NAU	100	kW	105	deg	Sat	to ME	English
1530-1730	12140	JUL	100	kW	100	deg	Daily	to ME	Persian
1625-1715	13580	ISS	250	kW	115	deg	Mo/Tu/Th/Fr	to ME	Arabic
1625-1730	13580	ISS	250	kW	115	deg	Wed	to ME	Arabic
1545-1600	13590	NAU	100	kW	125	deg	Mon/Wed	to ME	English
1545-1700	13590	NAU	100	kW	125	deg	Tue	to ME	English
1700-1800	13590	NAU	100	kW	125	deg	Tue	to ME	Hebrew/En
1545-1645	13590	NAU	100	kW	125	deg	Thu	to ME	English
1545-1615	13590	NAU	100	kW	125	deg	Fri	to ME	English
1730-1800	13590	NAU	100	kW	125	deg	Fri	to ME	English
1545-1730	13590	NAU	100	kW	125	deg	Sat	to ME	English
1730-1800	13590	NAU	100	kW	125	deg	Sat	to ME	Tagalog/Hebrew
1800-1830	13590	NAU	100	kW	125	deg	Sat	to ME	English
1530-1815	13590	NAU	100	kW	125	deg	Sun	to ME	English
1200-1230	15610	NAU	250	kW	070	deg	Mon-Fri	to CeAs	Uyghur
0030-0100	9490	WER	250	kW	090	deg	Mon-Thu	to SoAs	Hindi
0030-0100	9490	WER	250	kW	090	deg	Fri-Sun	to SoAs	English
1530-1600	15295	ISS	250	kW	077	deg	Mon/Tue	to SoAs	Tamil
1515-1600	15295	ISS	250	kW	077	deg	Wed	to SoAs	Telugu
1500-1600	15295	ISS	250	kW	077	deg	Thu/Fri	to SoAs	Hindi
1500-1530	15295	ISS	250	kW	077	deg	Sat/Sun	to SoAs	Bengali
1400-1500	17805	WER	250	kW	090	deg	Sat/Sun	to SoAs	English
1500-1600	15680	JUL	100	kW	090	deg	Tue	to SoAs	Urdu

1515-1600	15680	JUL	100	kW	090	deg	Wed		to SoAs	Urdu
1515-1530	15680	JUL	100	kW	090	deg	Thu		to SoAs	Urdu
1515-1530	15680	JUL	100	kW	090	deg	Fri		to SoAs	Punjabi
1530-1600	15680	JUL	100	kW	090	deg	Fri/Sun		to SoAs	Urdu
1530-1600	15680	JUL	100	kW	090	deg	Thu/Sat		to SoAs	English
1500-1515	15680	NAU	250	kW	083	deg	Sun		to SoEaAs	English

Trans World Radio (TWR):

0645-0820	6105	NAU	100	kW	285	deg	Sun		to NoEu	English
0715-0750	6105	NAU	100	kW	285	deg	Sat		to NoEu	English
0700-0750	6105	NAU	100	kW	285	deg	Mon-Fri		to NoEu	English
1400-1430	7220	WER	100	kW	060	deg	Mon		to EaEu	Belarussian
1400-1430	7220	WER	100	kW	060	deg	Tue-Sun		to EaEu	Russian
1430-1500	7220	WER	100	kW	060	deg	Daily		to EaEu	Russian
1530-1600	9440	WER	100	kW	105	deg	Sat		to EaEu	Romanian
1530-1600	9440	WER	100	kW	090	deg	Mon-Fri		to CeAs	Armenian
1630-1700	9505	WER	100	kW	090	deg	Daily		to CeAs	Persian

Pan American Broadcasting (PAB):

1930-2030	9515	WER	250	kW	150	deg	Sat		to NoAf	English
1930-2015	9515	WER	250	kW	150	deg	Sun		to NoAf	English
0030-0045	9640	WER	100	kW	090	deg	Sun		to SoAs	English
1400-1430	15205	JUL	100	kW	090	deg	Sun		to SoAs	English
1415-1430	15205	JUL	100	kW	090	deg	Mon-Sat		to SoAs	English
1430-1445	15205	ISS	250	kW	083	deg	Sun		to SoAs	English
1600-1630	13830	JUL	100	kW	100	deg	Thu		to WeAs	Persian
1600-1630	13830	JUL	100	kW	100	deg	Sun		to WeAs	English

Media Broadcast, last minutes changes:

WYFR Family Radio, additional txion from Aug.15

2200-0100	7360	GUF	250	kW	170	deg	Daily		to SoAm	Portuguese
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Bible Voice Broadcasting Network (BVBN), addit txion from Aug. 3

1930-1945	11830	WER	100	kW	225	deg	Mon-Thu		to NoAf	Arabic
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DRM txion from Aug. 15 till Sept. 6

1905-1955	11955	NAU	200	kW	335	deg	Daily		to NoAm	???????
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(R BULGARIA DX MIX News, via wwdxc BC-DX TopNews July 31 & Aug 18)

GEORGIA [Abkhazia] - Abkhazia Radio on 9495.5 kHz with folk music and vernacular program at 0811 on Aug 11th. Signal quite weak but clear channel. 9535 kHz not heard.
(Robert Foerster, Germany, Aug 11, WOR 1473, DXLD)

GREECE - ERT, ERA5, V Of Greece foreign languages FILIA relay on single 11645 kHz is still absent since ?July 27?. At present on all frequencies 9420 11645 15630 kHz same Greek program 05-10 UT, except Tuesdays. Aug 11. (Wolfgang Bueschel, Germany, 0818 UT Aug 11, WOR 1473, DXLD)

GUINEA - Conakry. 7125, R. Guine, Sonfonya, has been heard in the morning and then in the evening only, and the pattern is not regular (Carlos Goncalves, Portugal, DXLD)

HAWAII - 10320-USB, AFRTS Pearl Harbor, 1020 to 1030 Jazz interspersed with commentary, // 5765 [GUAM] and 5446.5 [FLORIDA], 9 August. 73s (Bob Wilkner, Pompano Beach, Florida, US, NRD 535D ~ Drake R8 - Sony 2010 XA, Noise reducing antenna, 60 meterband dipole, Longwire, Aug 9, DXLD)

HONDURAS - 3250.03, R Luz y Vida, San Luis, 0304-0354*, Aug 12 - poor signal, soft spoken religious talk by male in Spanish, partial ID noted just before 0354 s/off (Brandon Jordan - Memphis, TN, USA, Perseus SDR, Wellbrook ALA100 + ALA330S, dxldyg via DXLD)

INDIA - 4970, AIR Shillong, 1230, August 8, in English with news and sports bulletin; from 1235 to 1315 "Hot and Heavy" music program; "Listeners, you are with the North Eastern Service of All India Radio broadcasting from Shillong on shortwave 60.36 meters, corresponding to 4,970 kHz. and you are listening to Hot and Heavy"; 1315 in Hindi with English/Hindi rap song. Fair, but would have been very good except for the persistent hum.
<<http://www.airshillong.org/air/>>

5050, AIR Aizawl, 1230, August 6, news bulletin and sports news in English (// 4970, but not 5040, which was temporarily off the air at this time); 1235 no longer // and into EZL music; 1300 news in Hindi; usual QRM (Guangxi FBS) (Ron Howard, Asilomar Beach, CA, Etón E1, dxldyg via DXLD)

4850, AIR Kohima, 1301, August 14 with today's program schedule; talk show about rugby in English; 1315 health program in Hindi; 1327 marching music/anthem; President's address to the nation on the eve of Independence Day in Hindi, repeated in English till 1402; pop music program till tune out at 1410. Nice local IDs; slightly better than last year's reception here. Started fading about 1350.

Speech heard parallel with 4760 (AIR Port Blair); 4775 (AIR Imphal); 4835 (AIR Gangtok); 4880 (AIR Lucknow); 4895 (AIR Kurseong); 4920 (AIR Chennai); 4940 (AIR Guwahati); 4970 (AIR Shillong); 4990 (AIR Itanagar); 5010 (AIR Thiruvananthapuram) and 5050 (AIR Aizawl). Noticeably off the air today was 5040 (AIR Jeypore). Have posted audio file at dxldyg 'Files > Station Sound' (IDs: 00:04 and better one at 01:12). Was very pleased to hear them with decent reception, on this rarely used frequency! (Ron Howard, Asilomar Beach, CA, Etón E1, dxldyg via DXLD)

INDONESIA - 9524.88, Voice of Indonesia, 1502, August 16, with schedule for upcoming English programs; news (amusing item about Dutch grandfather who intended to fly to Sydney, Australia, but landed at Sydney, CANADA, etc); "News From Across the County"; "Today in History"; "Highlight of the Week"; 1525*; fair with light hum (Ron Howard, Asilomar Beach, CA, Etón E1, dxldyg via DXLD)

4749.95, RRI Makassar, 1232-1256 Aug 14. Indo vocal music hosted by M announcer; sounded like ads or program notes at 1238; tuned out at 1256. Fair signal (John Wilkins, Wheat Ridge, Colorado. Drake R-8, 100-foot RW, Cumbredx mailing list via DXLD)

4749.94, RRI Makassar, 1002-1134 Aug 17, Noted a female in Indonesian language comments with mentions of "Indonesia". At 1006 music presented. At 1009 the Qur'an is heard until 1014 when more music is presented. Signal starts to fade by 1023 from a fair (1102) to a threshold at 1034 (Chuck Bolland, Watkins Johnson HF1000, 26.37N, 081.05W, FL, DXLD)

ISRAEL - 15785.00 Galei Zahal army forces radio sct in Hebrew, seems back on 19mb again. Noted today Aug 21 around 1130 UT for the first time since approx. July 27th. Tiny S=5-6 only, deep fades. (wb, wwdxc BC-DX TopNews Aug 21)

JAPAN - 6055, R. Nikkei, plays a lot of classical Moog synthesizer music, such as Aug 10 at 1248, Händel's Water Music, welcoming the typhoon? (Glenn Hauser, OK, DXLD)

KOREA NORTH - 7140, Voice of Korea, Pyongyang; 1210 announcements by M in Korean. Good signal 8/11/2009 (Steven C. Wiseblood, AB5GP, Brownsville TX, (2 miles from Boca Chica Beach, GULF of MEXICO), Radio Shack DX-399, 150' center fed LW, dxldyg via DXLD)

7140, Voice of Korea, Kujang, 0934-0947, 06 Aug, Korean to E Asia, talks, songs; 25432. This and GUI 7125 were the sole broadcast stations audible at 0945 on the 7100-7200 range.

7180, V of Korea, Kujang, 2203-, 06 Aug, Mandarin to E Asia, talks, presumably news; 35332; // 9345, 9975, 11535 just as in the B08; good reception on 08 Aug at 2140 (Carlos Goncalves, Portugal, DXLD)

KURDISTAN - *Clandestines*: 4780.01, 0245-0315 03.08, Voice of Iranian Kurdistan, Salah Al-Din, Northern Iraq (presumed), Kurdish (presumed) talk and songs, heterodyne + jammer, 12211. At 0300 the station jumped up to 4795.42, but the jammer stayed on 4780. [see also DJIBOUTI!]

4788.96, 0226-0305 31.07, Voice of Iranian Kurdistan, Salah Al-Din, Northern Iraq (presumed), Kurdish talks and songs, heterodyne and jamming, 23332.

4795.00, 0223-0300 05.08, Voice of Iranian Kurdistan, Salah Al-Din, Northern Iraq (presumed), Kurdish (presumed) talk, Middle East music and song, at 0235-0300 on 4790.96, jammer followed frequency change! 23332

4795.97, 0255-0310 08.08, Voice of Iranian Kurdistan, Salah Al-Din, Northern Iraq (presumed), Kurdish (presumed), talk, 13231 jamming + heterodyne. At 0335-0345 heard on 4790.02 Kurdish (presumed) talk, no jamming, but CWQRM, 14232 (Anker Petersen, on my AOR AR7030PLUS with 28 metres longwire here in Skovlunde, Denmark, via Dario Monferini, playdx yg via WOR 1473, DXLD)

KUWAIT - 11990, R. Kuwait, 1940, 8/8/09. English service. News about Kuwait and region. Music bumpers featured local music but degenerated to pop music. S5 signal on peaks

(Jerry Strawman, Des Moines, IA, Drake R8, Wellbrook 330S 1.1 m Loop, dxldyg via DXLD)

LAOS - 4412.60v, Houa Phan Provincial Station, 1200-1232 Aug 8. Sam Neua presumed with music (anthem?), then scraps of talk to 1232 when suddenly went off. Seemed // to 6130 during the talk but can't be sure due to the very weak signal on 4412v. Varied slightly to 4412.58 by 1230.

6130, Lao National Radio, 1210-1311+ Aug 8. Assorted talks in presumed Lao to 1230, then Lao vocal music hosted by M. The music continued past ToH until 1306, then YL & OM in chat. Fair but gradually weakening (John Wilkins, Wheat Ridge, Colorado. Drake R-8, 100-foot RW, Cumbredx mailing list via DXLD)

7145, LNR, 1334, August 9, with local news in English (Laos, Vietnam and Cambodia signed memorandums of understanding for better cooperation; data on HIV cases in Laos; rubbish pickup issues; S. Korean airline in negotiations for direct flights between Laos and Seoul, etc.); music bridges between items; no "International News" today; ID "That ends our program. You have been listening to the Lao National Radio, broadcasting from Vientiane, the Lao People's Democratic Republic"; 1356*. Off early today, as usually they continue on till about 1401* with an audio feed from a local FM station after the end of English. August 10 noted 1402* (Ron Howard, Asilomar Beach, CA, Etn E1, dxldyg via DXLD)

LIBYA - 17725, English talk about Africa fading out and in, Aug 18 at 1445; only poor at best, but certainly V. of Africa as scheduled, and seldom heard. W and M with heavy accent. A little help from the solar flux would certainly audiblize it better, but no signs of that. Perhaps approaching seasonal equinoxial conditions will assist instead. A few minutes later checked for // 21695, but nothing audible on 13m. At 1502, 17725 had declined to a JBA carrier (gh, DXLD)

MADAGASCAR - 6134.90v, RTVM (presumed), 1420, August 6, in French with music bridges (classical piano music and after BoH, Kenny G); 1435 non-stop Hi-Li music till suddenly off at 1438; weak, but in the clear. Unable to confirm any parallel frequencies. At 1406, August 7, excited sports coverage in Malagasy; later into French; 1455* (Ron Howard, Asilomar Beach, CA, Etn E1, dxldyg via DXLD)

MALAYSIA/SARAWAK - 7130, RTM Sarawak FM, Kuching; 1209z almost Middle-Eastern type instrumental song, light island-pop ballads, during absence of TAIWAN [q.v.] until *1250 TAIWAN O/C completely covers SARAWAK. 8/11/2009.

7270, MALAYSIA-SARAWAK, RTM Kuching-Stapok, Sarawak; 1212 light island-pop vocal music, 1250 [Arabic garble] holy qur'an recitations. Fair-Good 8/11/2009 (Steven C. Wiseblood, AB5GP, Brownsville TX, (2 miles from Boca Chica Beach, GULF of MEXICO), Radio Shack DX-399, 150' center fed LW, dxldyg via DXLD)

MALI - 5995, Radiodiffusion Mailienne, 2326-2359* Aug 7, nice program of highlife vocals hosted by a woman with "Radio Mali" ID at 2329 before turning program to a man announcer with French talks and TC at 2335. After highlife vocals went in to orchestra national anthem without closedown announcements. Poor to fair (Rich D'Angelo, Wyomissing, PA, Ten-Tec RX-340, Drake R-8B, Eton E1, Eton E5, Alpha Delta DX Sloper, RF Systems Mini-Windom, Datong FL3, JPS ANC-4, NASWA Flashsheet via DXLD)

5995, R Mali, Bamako, *0557, Aug 17 - amazing transmitter dawn enhancement, rising from just threshold audio beginning 0611 UT to good level by 0621 Bamako sunrise. Tribal vocal with drum accompaniment, then monologue by female speaker in French until 0635 UTC. More nice music, female singer accompanied by stringed instrument as signal slowly began to slowly fading (Brandon Jordan - Memphis, TN, USA, Perseus SDR, Wellbrook ALA100 + ALA330S, dxldyg via DXLD)

Radio Mali missing on 9635 kHz, yet good propagation to Africa. The parallel 41 m - frequency is on (Robert Foerster, Germany, DXLD)

7284.6, R. Mali, Kati, 1255-1435, 07 Aug, vernacular, folk songs, French at 1300 for news bulletin, modern Malian songs, some FM frequencies announced; 55444 // 9635 good but with weaker audio.

9635, R. Mali, Kati, 1257-1435, 07 Aug, Vernacular, folk songs, French at 1300 for news, modern Malian songs, FM frequency announcements; 55444 but weaker audio than // 7284.6 (Carlos Goncalves, Portugal, DXLD)

MAURITANIA - 7245 (and 4845) has been off for days on end, it's only active on // 783 (Carlos Goncalves, Portugal, Aug 11, DXLD)

Radio Mauritanie appears to be off the air on 7245 kHz. It was last heard on July 25th with weak signal and low modulation at early 0735. Although sign-on times have always been quite irregular, when I checked for it on July

31st and ever since, nothing at all was heard (Robert Foerster, Germany, Aug 11, DXLD)

MEXICO - 6185, RADIO EDUCACION, Ciudad de México, 0451-0508* ago 17. Programa Aprendiendo en Familia. Cierre a las 0501 "...procuramos - - - como de voz y contenido, les damos las gracias por permanecer en nuestra compañía; la selección de programación para la señal de Radio Educación onda corta XEPPM, 6185 kHz en la banda internacional de 49 metros, llega a su fin; pero continúe sintonizando hasta las 6 de la mañana tiempo de la ciudad de Mexico, la señal Radio Educacion XEEP 106 [sic] en amplitud modulada; se despide de usted Mari Carmen García..." Luego el mismo texto pero el idioma inglés (Rafael Rodriguez R., Bogotá, Colombia, Aug 18, JRC NRD-525, Winradio G303I, Hilos de varios metros y longitudes, condiglist yg via DXLD)

6185, XEPPM. R. Educación noted in the clear Aug 17 at 0119 with talk in Spanish, but not enough signal vs the T-storm noise level. Current listings show 'ADM' UAE until 0100*, then open window until Vatican at *0205; or is UAE really on 6185 at all? Not per Aoki and EiBi (gh, DXLD)

MONGOLIA [non] - MONGOLIA/RUSSIA: Radio Voice of Mongolia in Russian was heard via the facilities of Voice of Russia in Russian on Sunday, Aug the 9th at 1905-1915 on 7310, 11630, 12055, 1089, 1413. Probably on 612 and 1494 to Eu and 648 and 1503 to Central Asia. The program's theme: The history of Mongolia in years 1924-1936. Site: <<http://www.vom.mn/ru>> (Rumen Pankov, Sofia, Bulgaria, Aug 9, DXLD)

MYANMAR - Some sked changes observed. I am perfecting the sked, but a few observations anyway.

5915 observed 2300-0300, 1000-1535.

5985 2300-0130, 0930-1535.

7200 0030-0230.

9730.8 0300-1130, sometimes 9730.8 runs // to 5915 around 1000-1130.

5985 and 7200 appear top be from the old location in the evenings as well as the 9730.8 kHz.

5915 all the time and 5985 2300-0130 apopear to be from the new capital.

5770 Military station is 1230-1530 UT.
(Victor Goonetilleke-CLN DXplorer Aug 16)

5770, Myanmar Defense Forces Broadcasting Station (presumed), 1230, August 9, with their usual BoH format (selection of indigenous music, military march band with bugle); in vernacular; playing pop songs and indigenous songs; almost fair with usual summer QRN (Ron Howard, Asilomar Beach, CA, Etn E1, dxldyg via DXLD)

NIGER - 9705.0, Aug. 11, 1802-1845* fair signal, local language with various speakers and little local music. Both would fit the Sahara region, also very likely some mentions of Mamadou Tandja, who acts as President of Niger. The expected follow-up to an unid log of sometime last week, blank carrier, about the same time, of course strong het with 9704.2 Ethiopia, other days 9705 seems to be absolutely clear from 1800. Niger last heard Dec. 08. 73 (Thorsten Hallmann, Münster, Germany, <<http://www.africalist.de.ms>> (updated 5 Aug.), Aug 11, WOR 1473, DXLD)

NIGERIA - 4769.971, FRCN-Kaduna, 2105 7 August, English. Surprised to find this, running Radio Nigeria news until 2128. Then into local programs with ID by a woman. Audio on the Radio Nigeria relay was somewhat over-modulated but completely readable. On the other hand, the local announcer was "whispery quiet" and the local programming was so over-modulated, as to render it almost unreadable. Still, a nice surprise. Haven't heard this one in a long time (David Sharp, NSW, Australia. Yaesu FT-950 and Sony ICF-2010, dxldyg via DXLD) DSWCI TB Monitor says it was last reported this May (gh, DXLD)

4770, Radio Nigeria, 0533-0550 Aug 8, noted with hip-hop vocals hosted by a man announcer with English talk, mentions of Nigeria, more pop vocals, an ID at 0544. While the music was at fair to good levels, the talk/voice modulation was very weak (Rich D'Angelo, Wyomissing, PA, Ten-Tec RX-340, Drake R-8B, Eton E1, Eton E5, Alpha Delta DX Sloper, RF Systems Mini-Windom, Datong FL3, JPS ANC-4, NASWA Flashsheet via DXLD)

15120, Nigeria put a new final stage TUBE in service. Now noted with superb modulation, not this shredded splatter audio. French service 7-8 UT, Aug 11. (wb)

NIGERIA [BIAFRA] - Quick check reconfirms V. of Biafra International still on 15665 via WHRI, Friday August 14 at 1927, in English mentioning Ibos. WRTH predicts that 17520 will resume for this in September, Fridays at 1900-2000 (gh, DXLD)

PAKISTAN - 11565 at 1500 4 June, R. Pakistan sign-on, really poor audio, English, SIO 352 (SRC, Aug BDXC-UK Communication via DXLD) As retimed for summer DST (gh)

PAPUA NEW GUINEA - 3325, R. Bougainville/R. Buka, 1352, August 8, with DJ in Tok Pisin playing pop songs; 1359 usual sign-off format (children singing National Anthem; 'National Broadcasting Corporation, the Voice of Papua New Guinea'; long list of frequencies; 'N.B.C. wishing you good evening'; instrumental National Anthem); 1407*. RRI Palangkaraya off the air again. (Ron Howard, Asilomar Beach, CA, Etón E1, dxldyg via DXLD)

3335, Radio East Sepik, Wewak, 1040 to 1050 with audio, only PNG heard this morning 9 August (Bob Wilkner, Pompano Beach, Florida, US, NRD 535D ~ Drake R8 - Sony 2010 XA, Noise reducing antenna, 60 meterband dipole, Longwire, Aug 9, DXLD)

3290 Radio Central, Boroko, 1115+, August 02, Vernacular, local songs, announcements by male, 25442.

3365, Radio Milne Bay, Alotau, 1109+, August 02, Vernacular, local music, announcement, 15341.

3385, Radio East New Britain, Rabaul, 1105+, August 02, Vernacular, news or talk by male, 25432. (Arnaldo Slaen, in Chascomus ("the Argentina DX paradise") with the DXers Enrique Wembagher, Marcelo Cornachioni, Hector Goyena & Gerardo Choren, dxldyg via DXLD)

PERU - 4857.5 R. La Hora, Cusco (or Cuzco?), 2336-2347, 03 Aug, Castilian, talks, seemingly infos; 24331, CODAR QRM.

4746.9 R. Huanta 2000, Huanta, 2215-2231, 04 Aug, Quechua, phone-ins; 35332.

5120.2 R. Ondas del Suroriente, Quillabamba, 2217-2233, 05 Aug, Castilian, songs in Castilian; 25331, only occasional uty. QRM.

6019.3 R. Vitoria, Lima, 2309-2321, 06 Aug, Castilian, TCs and many announcements for Brazilian preacher David Miranda...; 34443, adj. QRM. (Carlos Goncalves-POR, wwdxc BC-DX TopNews Aug 10)

2330 to 2345 7 August Florida logs: 4790.10, Radio Visión Chiclayo has been back for two days, same transmitter hum as before. (Bob Wilkner, Pompano Beach, Florida, US, DXLD)

4835.4, RADIO MARAÑÓN. Jaén, 0248-0254* ago 16. Notada con Full S/off: "... Desde Jaén en el nororiente del Perú, transmitió Radio Marañón, la voz y el sentir de nuestros pueblos; 580 amplitud modulada y 95.9 FM señal satelital [sic]; estamos ubicados en Orellana 343, Jaén; teléfonos 076 431147, 432168, Telefax 432580. Dirección electronica <<http://www.radiomaranon.org.pe>>. Estamos afiliados a la Asociación Latinoamericana de Educación Radiofónica, ALER; a la Asociación Mundial de Radios Comunitarias, AMARC y a la Coordinadora Nacional de Radio, CNR... Radio Marañón es una emisora del vicariato apostólico San Francisco Javier... que la alegría de Jesús resucitado nos acompañe en esta noche, muy buenas noches..."

4950.1, RADIO MADRE DE DIOS. Puerto Maldonado, 0140-0150* Ago 17. Pobre señal y baja modulación. Música tecnocumbia, con cierre a las 0147, parcial cierre: "... Perú, ha llegado a la parte final de su programación - - - acompañándoles con nuestra programación musical, deportiva, informativa y religiosa; desde la ciudad portuaria más importante del departamento de Madre de Dios, transmitimos - - - a través de los 4950 de la onda corta, 92.5 frecuencia modulada - - - locutores, periodistas - - - de Radio Madre de Dios, agradecemos a todos y cada uno de ustedes - - - estaremos retornando mañana a partir de las 5 horas - - - amigo y amigas de Madre de Dios, del Perú y el mundo, que tengan un sueño reparador y un feliz despertar..." Luego himno nacional.

PERUANAS EN 60 METROS A LAS 1400 UT Domingo Agosto 16:

4824.4, Radio La Voz de la Selva retransmitiendo señal de FM, ID como "LVS Digital"

4835.4, Radio Marañón [sic, with accent already!], programa religioso

4940, Radio San Antonio con misa dominical

4955, Radio Cultural Amauta con programación de Alas HCJB

5024.8, Radio Quillabamba, fuera del aire Rebelde [CUBA]; con programación y música en vernacular, baja señal

5120.3, Ondas del Suroriente. Programa con noticias locales

(Rafael Rodriguez R., Bogotá, Colombia, Aug 18, condiglist yg via DXLD)

PHILIPPINES - 9615, R. Veritas Asia, Palauig, 1127, Aug 7, Mandarin. Announcer with talk; music bit at 1130 into presumed ID; music intro followed by M & W announcers with banter; fair-good (Scott R. Barbour Jr., Intervale, N.H. USA, NRD-545, RX-350D, MLB1, 200' Beverages, 60m dipole, dxldyg via DXLD)

FEBC Manila morning broadcasts are currently observed:

5990 2230-2300 Dialects

9405 2230-0030 Mandarin

9435 2230-2330 Indonesian, Malay, and *English

9730 2300-2330 Dialects

9795 2315-0015 Lao and Dialects

12055 2330-0115 Dialects

12070 2300-0100 Dialects

*English programming is non-daily, consisting of translations into Indonesian of religious content

(Bob Padula, Australia)

PORTUGAL - Emissora Nacional de Radiodifusao, later RDP and currently the radio branch of RTP-Radio e Televisao de Portugal. During a visit to the Faro MW site at Meia Legua (this is between Faro and Olhao) in mid last week, I learned this place was initially intended for not only a 200+ m high MW monopole serving a 100 or 200 kW tx but also for a 2nd HF site dedicated exclusively for the Portuguese Africa. In fact, the site is huge, many hectares around, with only a small portion actually used now, viz. for the current 70+ m monopole with capacity hat consisting of just 3 wires sloping from the top.

The old open wire feeder is still to be seen, but the monopole is fed via co-axial cable from the tx hut housing 3 txs, viz. an old 10 kW Marconi out of use, a 10 kW Nautel (Canadian) and a 1 kW stand by unit whose brand I forgot. The house is big enough to accomodate a 100 kW unit, if needed. The area surrounding the tower is regularly flooded because of the ground plane (120 radials, typical). The big concrete anchors for the planned 200 m tower are visible amidst the ones securing the existing monopole.

The 200 m tower never materialised because in the meantime the Faro airport was built, and if you can check on GoogleEarth, you'll understand why. No more details about the planned 2nd HF site, but I estimate it was never built because of the airport.

But in Faro itself, just close to the RDP house, at Campo Senhora da Saude, along the Calouste Gulbenkian Avenue, the original MW monopole from the late 40s/early 50s is still up. The place is now surrounded by many buildings ... and I bet many will ask themselves what the rusty tower is doing there ...
(Carlos Goncalves-POR, wwdxc BC-DX TopNews July 7)

RUSSIA - Radio Rossii, presumed full schedule on SW in A09:

Program 1 (Dubl 1) FE 1700-1300 on 5920, 5940, 6075

Program 2 (Dubl 2) E Siberia 1900-1500 on 6060, 7200, 7320(-1400), 7345 and one more on ex-7140 [?]

Program 3 (Dubl 3) W Siberia 2100-1700 on 6085, 6100, 6195 and 4050(2100-1700 with Dubl 3 and 1700-1900 Dubl 4)

Program 4 (Dubl 4) Europe

0000-0100 6150;

0100-0400 6150, 6160;

0400-0500 + 0700-0800 6150, 6160, 12070;

0500-0700 6150, 6160, 9495(M-F), 12070;

0800-1325 6150, 6160(-1300), 13665;

1325-1500 6150, 6160, 9470, 9495(from 1430 Sa, Su);

1500-1700 6160, 11650(?), 9470, 9495(Mo-Sa);

1700-1725 6160, 11650(?);

1725-1900 6160, 11650(?), 7220, 4050(from 1700);

1900-2100 6160, 7220.

Local programs of Yakutsk, etc., are not mentioned. Above is based on compilation of obs in other DX issues and reports made in Sofia and thanks to the WRTH

(Rumen Pankov, Bulgaria, Aug BDXC-UK Communication retyped and proofed by gh for DXLD)

SAUDI ARABIA - SAUDI RADIO TO START BROADCASTING IN TURKISH 22 AUGUST

Text of report in English by Saudi state-owned official news agency SPA website

Riyadh, 17 August: The Minister of Culture and Information, Dr Abdulaziz bin Mohieddin Khojah has approved that

Saudi Radio starts broadcasting in Turkish language next Saturday [August 22]. In a statement to the Saudi Press Agency (SPA), the Assistant Undersecretary of the Ministry for Radio Affairs Ibrahim bin Ahmed Al-Saqa'ob pointed out that the 9675 kHz frequency transmission will be launched from Jedda Radio for three hours daily starting from 9:00 p.m. until midnight, noting that the transmission will be directed to Turkey, northern Iraq, northern Syria, Greece and Cyprus. Source: SPA news agency website, Riyadh, in English 0000 gmt 17 Aug 09 (via BBCM via DXLD) UT +3? = 1800-2100 UT (gh, DXLD)

This is a resumption of the service terminated in 2007, albeit it will now be aired in the local evening rather than morning. MN item re closure here:

<<http://blogs.rnw.nl/medianetwork/saudi-radio-ends-turkish-language-broadcast#more-7142>>
(Dave Kernick August 18th, 2009 - 14:12 UTC, Media Network blog comment via DXLD)

Registered two broadcasts daily. But only 9675 realized now.
9665 0600-0900 RIY 500kW 340 deg only registered.
9675 1800-2000 RIY 500kW 340 -- but in B-09 season at 1800-2100 UT

Observed here recently Riyadh in Chinese also:
15610 0800-1000 RIY 500kW 55deg Chinese
21665 kHz Chinese early UT mornings registered too at 0300-0600 UT.
(wb, wwdxc BC-DX TopNews Aug 24)

SOMALIA [SOMALILAND] - 7145, R. Hargeisa, Hargeisa, Somaliland, 1713-1729, 07 Aug, Somali, talks; 35433 but very weak audio (Carlos Goncalves, Portugal, DXLD)
QSL via adress in Cologne (we)

SOUTH AFRICA - RSA, 3380, BBC, Meyerton, 2147-2200*, 06 Aug, continuous announcement in English "[ID]; there are no programmes on this channel at present; details of all our services at [webpage]"; 35332. (Carlos Goncalves, Portugal, DXLD)

SPAIN - 6126, Radio Exterior de Espana, Noblejas, 0201, 8/6/09, in Spanish. Woman interviewing a man, 0205 ID, talk by announcer with remote reporter with street sounds in background. Fair. This frequency was exactly 1 kHz high. // 6055 (Noblejas) Fair. // 3350 (Cariari de Poroci, CR) Fair (Mark Taylor, Madison, WI, R-75, Winradio g313e, Eton E1, Satellit 800, Kaito 1103; 2 Flexennas, EWE, attic mounted Flexenna, NASWA Flashsheet via DXLD)

Strange; Cariari had a 1-kHz-off problem which lasted for months in 2008 on three other frequencies. Some seasons 6125 is from CR, but indeed currently scheduled as Noblejas. Wonder if they swapped by any chance; check for satellite delay it always has behind Noblejas (gh, DXLD)

ST. HELENA - Radio St. Helena Day 2009 will be on Saturday, 14. November 2009.

The "Party On-The-Air" will have the following schedule.

2000–2100 India / Southeast Asia

2100–2200 Japan / Asia

2200–2330 Europe

2330–0100 North America / Central America / Caribbean

The transmission will be on 11092.5 kHz in Upper Side Band, as usual.

Radio St. Helena is very pleased to announce that the newly designed RSD 2009 QSL cards will be sponsored by the highly respected Japan Short Wave Club. This good news has been reported by Mr. T. Ohtake of the JSWC. It can truly be said, that without the very generous help of the JSWC, there would not have been a RSD Revival in 2006.

To get a QSL from Radio St. Helena, you must send a written and verifiable reception report by AIRMAIL and include sufficient return postage. Email-reports will be not be verified. Recordings will not be returned. In EURO-countries, please send a 5-Euro banknote. Otherwise, please send 3 or more US dollar banknotes to cover the required return postage.

Radio St. Helena
P. O. Box 93
Jamestown, St. Helena
STHL 1ZZ
South Atlantic Ocean
via AIRMAIL
via United Kingdom & Ascension

The last two lines of the above address are very important and should be written as shown. Be sure to use sufficient postage on your letter to RSH. Ask at your local post office for the correct AIRMAIL postage for your letter to go all the way to St. Helena.

Emails and telephone calls from DXers everywhere are very welcome during the broadcasts. A special email address for RSD 2009 will, probably, be announced in October.

Gary Walters and his Team at RSH wish everyone excellent listening conditions, hope that you enjoy the programming, and hope that the sunspots will be kinder to us this year.
(Robert Kipp, Aug 14, DXLD)

SUDAN - 7200, SRTC, 0201-0429*, Aug 15, tune-in to Arabic talk. Qur'an-like chants at 0203. Local instrumental music. Arabic talk. 'Huna Omdurman' IDs. Many mentions of Sudan. Time pips at 0400 & possible news. Abrupt sign off at 0429. On the air earlier than usual. Poor-weak. Stronger after 0340 (Brian Alexander, PA, DXLD)

SUDAN [non] - This week, the Radio Peace technical team is performing routine maintenance. In the process of tuning our transmitters, the 4750 kHz transmitter frequency will be changed to 4740 kHz to eliminate interference from a broadcaster in Uganda who began using the frequency about four years after Radio Peace started its operation on 4750. We'd appreciate monitoring reports. We can be contacted at this email address. Other news about Radio Peace can be found at our website: <<http://www.GlobalEndeavor.org>>. Pete Stover, Manager Radio Peace (29 Jul 2009)

SWAZILAND - 3200, Trans World Radio, Manzini, 0304-0325*, Aug 12 - poor signal, religious talk and instrumental music. Listed in the Bantu tribal language of Ndebele. Promptly off at listed 0320 UT.

3240, Trans World Radio, Manzini, 0304-0320*, Aug 12 - generally poor

signal in static, but better than 3200 kHz. Religious talk, musical bridges. Listed in the Bantu tribal languages of Shona and Ndau. Promptly off at listed 0320 UT, occasional ute QRM on the LSB (Brandon Jordan - Memphis, TN, USA, Perseus SDR, Wellbrook ALA100 + ALA330S, dxldyg via DXLD)

TAIWAN [and non] - 7129.88v, RTI. Seems the reception here at 1245 on August 9 was a one day event resulting from typhoon damage to one of their other sites (thanks to info from Sei-ichi Hasegawa). August 10 sounded like them on 11635, but didn't stay around to ID them at 1216, in Bahasa Indonesia. Not as strong a signal as yesterday. Sarawak FM now back in the clear on 7130.50 (Ron Howard, Asilomar Beach, CA, Eton E1, dxldyg via DXLD)

Damage of the typhoon to Taiwan stations: Interruption:

RTI-Indonesian 1000-1100 11550 kHz

RTI-Vietnamese 1400-1500 11550 kHz

RTI-Thai 1500-1600 1503 kHz

Fu Hsing B.S.-Chinese 0400-0600, 0800-1000, 1100-1300, 2300-0100 9410, 9774, 15375 kHz

Furusato no Kaze-Japanese 1600-1630 9780 kHz

Nippon no Kaze -Korean 1700-1730 9820 kHz

(S. Hasegawa, NDXC, Aug 13, dxldyg via DXLD)

TAIWAN STATION MOVED FROM THE HAM BAND

The RTI-CBS Chinese for Mainland on 7185 moved to 7385 kHz from Aug 15 at 1000-1700 UT.

And RTI-CBS 2nd confirmed that it moved Aug. 16 at 1400 UT to 6075 kHz from 7130. // 6145.

Clearing it can receive 6075 kHz non-jamming. 7130 kHz can receive only CNR-1 of the jamming. To be a plan is to Aug. 18, the RTI- Japanese service on 7130 kHz returns to the Tainan transmitter site from Aug. 19. [and thus back to 9735? -- gh] (S. Hasegawa, NDXC, Aug 16, dxldyg via WOR 1474, DXLD)

UNITED KINGDOM [non] - BBCWS frequencies for NAM:

0200-0400 9410 + 6195 Cyprus

0300-0400 7255 Ascension

0400-0600 9410 UK

0500-0600 7255 Ascension

0600-0700 9410 Ascension

1100-1600 6195 + 9740 Singapore

1100-1800 17830 Ascension
 1500-2100 15400
 1700-1900 13675 UK
 2100-2300 12095 Ascension

On the west coast you can probably hear a number of the other si - Singapore channels, maybe Thailand. On the east coast, add more from Cyprus and UK. (gh)

The BBC gave up transmitting to America some time ago. It was not cost effective. So you will have to rely on bouncing signals - if that part is in a bouncing mood. Ask people where you live what they are hearing it on. But I offered those frequencies so that you could try them. I have to rely on the BBC World Service bounces here in England for they don't beam to Exmoor mate :-) Not long back I could hear them all day and all night on many frequencies - but not so now; times change. So, it is suck it and see (Dick Richardson)

Try 9740 kHz from Singapore in the morning to 1600z. Fair to good signal here in AZ. Midwest I don't know. And 7310 0400-0600 from S. Africa. Outside of that I can't find anything either. I just go to the Internet. Can't fight it so have to live with it. Good luck (Gary W. Froemming, CTC, Certified Travel Counselor, Glendale, Arizona, USA, psw yg via DXLD)

Aug 17: 12015, although initially listed for 12105, the BBC has remained with this frequency from Meyerton, RSA for their English to Africa service at 0600-0700. This is parallel with Ascension frequencies 6005 (poor/fair), 9410 (good) and 11765 (very poor at first, but improving). I did check to see if 9860, 0600-1400 53SW,57N MEY 100 15 was audible, but it wasn't (Noel R. Green (NW England), dxldyg via DXLD)

17640 with BBCWS news in English Aug 18 at 1503. Only fair and not always audible, but BBC-famished North Americans may add this to possible frequencies: now scheduled as Ascension at 13-17, 114 degrees (and before at 08-13, 17640 is Seychelles, 270 degrees) (gh, DXLD)

U S A - Music Time in Africa, the excellent weekend show on VOA at 2000-2100 Sat & Sun, is now best heard here on 17895, since Greenville is currently the transmitter site. Of course, you need to be beyond the skip zone and/or benefiting from a closer sporadic E opening. Introduction at 2003 Aug 15 about acoustic guitars in Africa. (Too bad we have to specify 'acoustic' these days, even concerning Africa.) Supposedly // are 15580 Botswana, which may suffice closer to Greenville, and 9885 which according to registrations switches from Botswana to Greenville in the middle of the hour --- but no sign of anything there at 2037 check (gh, DXLD) Perhaps a better chance in Europe (we)

WWCR announced from Aug 17 it would test 15830 instead of 15825 because of 'squeal' problem, but several chex here that day found it always on 15825: at 1351 music at S9+10, not enough to overcome nearby T-storm crashes; 1407 with preacher; VG signal at 1646, no squeal audible but some hum, also at 1703. Final check at 2025, sporadic E-enhancement was over and just barely audible, still on 15825 (gh, DXLD)

WWCR shows up on a different new frequency, 15820: announced plans to test 15830 this week instead of 15825, but there it was really on 15820 instead, Aug 18 at 1408, VG S9+20 signal in preaching. Still 15820 at 1505 check. Trace of squeal possibly at imagination-level, but not really a problem. Anyhow, I don't think shifting 5 kHz up or down will have any effect on the possible squealing. No other broadcasters are scheduled on 15820 or 15830 at any time, so it seems WWCR may experiment freely. I have yet to hear the 'current' edition of Ask WWCR, which discusses this, as the file is Not Found: <http://www.wwcr.com/ask-wwcr_299.mp3> (gh, DXLD)

On August 19 I heard WWCR at 1300 UT on new 15820 kHz (Christer Brunström, Halmstad, Sweden, DXLD)

15820, WWCR just barely audible here with no sporadic E enhancement Aug 19 at 1410, testing instead of 15825. Christer Brunström in Sweden agrees it was on 15820 at 1300. Also on 15820 JBA at 2030 check. So when Friday 2028:30 comes with WORLD OF RADIO, I revise my advisory to check 15830 too (gh, DXLD)

WTJC, 9370v, accompanied by distorted no-carrier spurs at plus and minus 30 kHz, 9340 and 9400, August 13 at 0528-0532 during martial choral hymn. Each spur covered roughly 15 kHz. Another weaker one could be detected around 9315, but not 9425. 9370 fundamental was stronger than usual, S9+22 (gh, DXLD)

Seems WRNO is still running only 3 hours a day, and mostly rock music instead of preaching, which is fine with me, but it seems slow to reach its potential after a year back on the air, and never on reserved daytime channel 15590. Aug 17 at 0114, 7505 with good music modulation, steady S9+22, 0116 ID as WRNO Worldwide, gospel rock with refrain sounding like "You Are God", which would seem somewhat blasphemous, and nothing about grokking mentioned. Signal had faded down a lot by 0400 sign-off, carrier to 0401:30* (gh, DXLD)

VANUATU - 3945, Radio Vanuatu, Port Vila, 0939-0945, August 02, Vernacular, pops, announcements by male, 25432 (Arnaldo Slaen, in Chascomus ("the Argentina DX paradise") with the DXers Enrique Wembagher, Marcelo Cornachioni, Hector Goyena & Gerardo Choren, dxldyg via DXLD)

3945, presumed R. Vanuatu, Port Vila, 0920-0933, Aug 9, unID language. Music audio with ballads noted under noise floor; announcer at 0931; back to music at 0932; weak-poor (Scott R. Barbour Jr., Intervale, N.H. USA, NRD-545, RX-350D, MLB1, 200' Beverages, 60m dipole, dxldyg via DXLD)

3945 R. Vanuatu, noted here July 29 via Chris Mackerel's online receiver in New Zealand, fair strength but muddy audio on speech, best readable in LSB, 1135 tune in had religious programme in French with occasional music, 1200 UT similar programming in Bislama to 1215 UT off with brief announcement and music. (Mike Barraclough-UK, August WDXC-UKX Contact magazine, also via dxld)

Official opening ceremony for the reopening of Radio Vanuatu's shortwave transmitter 1015 UT, speeches etc., all in Bislama of which I could make out only some of the content. Mentioned that they were now running 10 kW, instead of the restricted output of 5 kW in recent months, Aug 1. (Craig Seager-AUS, ARDXN ARDXC, also via dxld Aug 4)

7260 kHz channel is much too high to serve the islands, 3925 kHz is not working well after sundown, so further tests on 3210 kHz are planned. (wb)

ZAMBIA - 4965 CVC, Lusaka, at 1804-1835 UT on 7 Aug, Vernacular, Afr. songs, talks; 24241, adj. uty. QRM; it was much better towards 1830. (Carlos Goncalves-POR, wwdxc BC-DX TopNews Aug 10)

6065, R. Christian Voice/CVC (tentative), 1527, August 16, with EZL songs; too weak to ID the language. With CNR-2/CBR being temporarily off the air here, this was heard in the clear (Ron Howard, Asilomar Beach, CA, Etón E1, dxldyg via DXLD)

ZANZIBAR – TANZANIA - 11735, R. Tanzania, Dole, Zanzibar, 1946-2007, 06 Aug, Swahili, Arabic songs, announcements at 2000; 44433, QRM de B. (Carlos Goncalves, Portugal, DXLD)

ZIMBABWE [non] - via Madagascar. 9895, Radio Voice of the People, *0400-0455*, Aug 16, sign on with Afro-pop music & multi-lingual ID announcements followed by vernacular talk. Short breaks of African music. Into English at 0441 with talk about human rights in Zimbabwe. IDs and contact information at 0454. Fair (Brian Alexander, PA, DXLD)

RAMADAN is almost upon us as it precesses earlier and earlier by the Western calendar: approximately Aug 22 to Sept 20, and you know what that means for SW broadcasts from Islam-dominated countries.

(gh, dxld Aug 13)

Indonesian stations have a prolonged schedule, as well as those Arab and East African ones. (we. Aug 23)

Editor's info desk was closed on August 23rd, 2009, at 1200 UTC.

Please also see our website for lists of broadcasts in German and English, updated regularly.

Sources & Contributors:

A-DX e-mail exchange - Austria.

Alokesh Gupta - India.

BCDX News Bulletin by Wolfgang W. Bueschel (wb) - Germany.

CONEXION CONEXION Digital - Buenos Aires, Argentina.

DXLD Glenn Hauser's DX LISTENING DIGEST - USA.

Dr. Hans-Jörg Biener (hjb) - Nuernberg, Germany.

DX MIX Fortnightly edition of Radio Bulgaria's Frequency Management.

RNMN R. Netherlands Media Network ©.

Others as stated in contribution.

Abbreviations:

with name of station: BC / bc = Broadcaster, Int. = International, R = Radio, tx = Transmitter, Vo = Voice of, QRG = frequency

Location of transmitters with frequency:

Al = Aligarh/India, ALB = Albany, ANT = Neth. Antilles, Arm = Armavir/RUS, Ban = Bangalore, Be = Beijing/China, BI = Biblis/Germany, BIH = Bosnia-Herzegovina, BLR = Byelorussia, BOT = Botswana, Br = Brandon/Aus, CAN = Sackville/Canada, CHN = China, CLN = Sri Lanka, CTR = Costa Rica, CYP = Cyprus, Du = Dushanbe/TJK, Dw = Darwin/Aus, ERV = Erivan/Armenia, F = Issoudun/France, Fl = Florida/USA, GAB = Gabon, GUF = French Guyana, HAB = Habana/Cuba, Ho = Hohhot/CHN, HRI = WHRI Cypress Creek/USA, IK = Irkutsk/ Siberia, J = Juelich, Jin = Jinhua, Kash = Kashgar/CHN, Ka = Kingsway (Delhi), Kh = Khampur (Delhi), Kom = Koms-na-Amur, KOR = (South) Korea, Kra = Krasnodar, Kun = Kunming /CHN, Ku = Kununurra/Aus, KWT = Kuwait, LH = Lampertheim/DL, M = Moscow /Taldom, MCO = Monaco, MDG = Madagascar, MRA = Northern Marianas, N = Nauen, Nn = Nanning/CHN, NOR = Kvitsoy /Norway, Pan = Panaji/India, Pet = Petropavlovsk/ Sibiria, POR = Portugal, Qi = Qiqihar/ CHN, Ram = Rampisham/GB, RRW = Ruanda, RSA = Meyerton /South Africa, RUS = Russia incl. Sibiria, Sam = Samara, SEY = Seychelles, Sh = Shepparton/Aus, Sim = Simferopol, Sk = Skelton/GB, SNG = Singapur, ST = Sao Tomé, STP = St. Petersburg/RUS, SVK = Slovakia, SW = Sweden, SWZ = Swaziland, Sz = Shijiazhuang/CHN, TH = Nakhon Sawan/ Thailand, TWN = Taiwan, UAE = Al Dubbaya /United Arab Emirates, UKR = Ukraine, Ur = Urumchi/CHN, Vla = Vladivostok, W = Wertachtal/Germany, Wof = Woofferton /GB, Xi = Xian/CHN, Ya = Yamata/Japan.

Mostly within round brackets target areas as known:

Af = Africa, Am = America, As = Asien, Aus = Australien; Eu = Europe, ME = Middle East, Pac = Pacific Region; C = Central, E = East, N = North, S = South, W = West

Languages:

Ar Arabic - Ch Chinese - Du Dutch - E, En English - F French - G, Ge German - Gr Greek - I Italian - J Japanese - K Korean - P Portuguese - R Russian - Sp Spanish - Turk Turkish

Technical hint with frequency (QRG):

(*) = Digital Radio broadcast (DRM) v = variable
/USB = upper sideband, /LSB = lower sideband, (QRG) = alternative frequency

Editor:

Walter Eibl (we), P.O. Box 1545, 91005 Erlangen, Germany.

Email: <we@wwdxc.de> or <we@kwrs.de>

Used equipment:

Receiver: Communications receiver ICOM IC-R70 (no modification)

Antennas: Hamtronic HT504 selective active antenna, in roof window ca. 15 m above ground
DX-One Professional (only nighttime)

Location: Herzogenaurach / Germany; 49.567/10.917; 310 m NN

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Hörfahrplan Englisch

English Schedules

August 23 , 2009 / 23. August 2009

Time is always UTC / Zeitangabe in UTC (Weltzeit), also MESZ (Mitteleuropäische Sommerzeit) minus 2 Stunden.

Transmissions for the (primary) target Europa printed **bold**/ Sendungen für das primäre Zielgebiet Europa sind **fett** dargestellt.

Time (UTC)	Station, Program	Frequencies, Transmitter Site, Day of Broadcast
..... 00:00		
0000-0020	R Japan	5960/Sk ; 6145/CAN (NAm); 13650, 17810 (SEAs)
0000-0028	R Prague	7345, 9440 (NAm)
0000-0030	R Thailand	9680 (Af), 15275 (NAm)
0000-0030	VoA	1296/Afghanistan, 7555/KWT (ME/SAs)
0000-0045	AIR	9705/Panaji, 9950/Aligarh#, 11620/Delhi, 11645/Delhi, 13605/Ban (As)
0000-0045	WYFR	17805, 9790/GUF (test) (CAm/SAm)
0000-0055	R Romania Int.	6135, 9580 (NAm)
0000-0100	DW	9885/CLN, 15595/Vla, 17525/Kom (EAs, SAs)
0000-0100	BBC WS	5970/OM, 6195/SNG, 7395/CYP, 9410/TH, 9740/SNG, 11955/TH, 13725/TH, 15335/SNG, 15360/TH (As)
0000-0100	CRI Beijing	7350/Kash, 11790/Xi ; 6075/Kash, 6180/Kash, 7415/Kash, 15125/Be (SAs); 13750/Be (EAs), 11885/Xi (SEAs)
0000-0100	R Australia	9660x/Br, 12080x/Br, 13690/Sh, 15240/Sh, 15415 (0030-), 17715/Sh, 17750/Sh, 17775/Dw, 17795x/Sh
0000-0100	RCI	11700/Ku (SEAs)
0000-0100	REE	6055 (NAm)
0000-0100	R Ukraine Int.	7440/Lviv (NAm)
0000-0200	CRI	6020/ALB, 9570/ALB (NAm)
0000-0200	WWCR 4	9980 (NAm)
0000-0200	WYFR	5950, 7335/ASC, 9420/ASC, 15440 (NAm/CAM)
0000-0300	Vo Russia	9480/W, 9665/MOL (CAm/SAm)
0000-0300	WBCQ	7415 (NAm); Tue-Sa -0500
0000-0300	WWRB	3185 (NAm)
0000-0400	WHRI 2	7385 (NAm, SAm)
0000-0400	WWRB	5050, 5745, 6890 (NAm)
0000-0445	WYFR	6985, 9505 (NAm)
0000-0458	RNZI	15720, 13730* (Pac)
0000-0500	CBC NQ	9625; Su-Mo (NAm)
0000-0500	R Vanuatu	7260 (alt: 3945) (Pac)
0000-0600	University Network	5029, 6150, 7375, 9725; 13750 (-0200) (NAm/CAM/SAm)##
0000-0700	Vo Guyana	3290v, 5950v## (SAm)
0000-0700	NBC Port Moresby	9675 (SEAs)
0000-0700	WHRI 6	5875 (NAm)
0000-0900	WEWN	11520 (ME/Af)
0000-1000	WBCQ	5110 (NAm)
0000-1100	WWCR 3	5070 (NAm)
0000-1200	WWCR 2 /G. Scott	5935 (NAm)
0000-2400	AFRTS	7507#/USB/Costa Rica, 10320 (night 6350)/USB/Hawaii, 5446.5# Puerto Rico, 12579 (4319 night) /USB/Diego Garcia, 12133.5 (7811, 5446.5 night) /USB/FL, 13362 (5765 night) / USB/GUM

0000-2400	BBC WS	648/Orfordness , 675/HKG + local relais
0000-2400	CFRX Toronto	6070 # (relais CFRB)
0000-2400	CFVP Calgary	6030 (relais CKMX) (NAm)
0000-2400	CKZN St. John	6160 (NAm)
0000-2400	CKZU Vancouver	6160 (NAm)
0000-2400	R Bahrain	6010 (ME)
0000-2400	R UNAMSIL	6139v (Af)
0000-2400	SIBC	5020 (+Pidgin)
0000-2400	Vo Malaysia (Traxx FM)	7295 (As/Pac)
0000-2400	WBOH	5920 (NAm)
0000-2400	WTJC	9370 (NAm)
0005-0104	RCI	6100/CAN (NAm)
0010-0110	Vo Greece	7475, 9420, 12105 (NAm)
0025-0330	SLBC	6005, 9770, 15745 (SAs)
0030-0045	PAB	6165/J ; Su (As)
0030-0045	R Tirana	9345 (NAm)
0030-0100	Bible Voice	9490/W; Fr/Sa/Su (SAs)
0030-0100	Int. Service of R Serbia	9675 ; Mo-Sa (+NAm)
0030-0100	R Thailand	15275 (NAm)
0030-0100	VoA	7430/PH, 9715/TH, 9780/PH, 11725/PH, 15205/PH, 15290/PH, 17820/PH (Special E)
0030-0128	CRI	11730/Ku (As)
0030-0330	CVC	11800/UZB (SAs)
0035-0100	R Austria	9820; Su, Mu (CAm/SAm)
0043-0058	R Austria	9820; Tue-Sa (CAm/SAm)
..... 01:00		
0100-0128	R Prague	6200, 7345 (NAm)
0100-0130	Int. Service of R Serbia	9675 ; Mo-Sa (+NAm)
0100-0130	R Slovakia	5930 (NAm), 9440 (CAm/SAm)
0100-0130	Vo Vietnam	6175/CAN (NAm)
0100-0200	BBC WS	7395/CYP (ME); 9410/OM, 9740/SNG, 11750/SNG, 11955/TH, 15310/SNG, 15335/SNG, 15360/TH, 17615/SNG (As)
0100-0200	CRI	9410/Kash, 9470/Ur ; 6080*/CAN, 9790/CAN, 9580/CUBA (NAm/CAM); 15125/Be, 15785/Xi (SEAs), 6075/Kash, 6175/Kash, 7415/Kash, 9535/Kash, 11730/Ku (-0130), 11870/Kash (SAs)
0100-0200	R Australia	9660x/Br, 12080x/Br, 13690/Sh, 15240/Sh, 15415/Sh, 17715/Sh, 17750x/Sh (-0130), 17775/Sh, 17795/Sh (As/Pac)
0100-0200	RCI	9620/Turk (As)
0100-0200	VoA	1593/KWT, 7430/KWT, 9780/CLN, 11705/TH (EAs, Pac)
0100-0200	Vo Korea, Py.	11735, 13760, 15180 (CAM)
0100-0200	Vo Korea, Py.	7240, 9345, 9730 (SEAs/China)
0100-0200	Vo Russia	9480/W, 9665/MOL, 9890/Kras (CAm/SAm)
0100-0200	WYFR	15195/TWN (SAs)
0100-0300	T8WH	15710/MRA (EAs)
0100-0700	R Habana Cuba	6000, 6140 (NAm)
0100-0900	WWCR	3215 (NAm)
0105-0130	R Austria	9870; Su, Mo
0113-0130	R Austria	9870; Tue-Fr
0115-0130	R Austria	9870; Sa
0130-0200	R Sweden	6010/CAN (NAm)
0130-0200	VoA	6040/Sk, 9820/Sk (Special E) (Tu-Sa)
0130-0228	IRIB Tehran "Voice of Justice"	7235, 9495 (NAm)
0133-0200	R Austria	9870; Su, Mo
0140-0200	Vatican R	5915, 7335 (As)
0143-0158	R Austria	9870; Tue-Sa
0145-0200	R Tirana	7425 (NAm)
..... 02:00		
0200-0230	R Thailand	15275 (NAm)
0200-0230	R Vo Croatia	3985 , 7375/W (9925/W May 10) (NAm)

0200-0245	WYFR	11835 (CAm/SAM)	0300-0400	Vo Turkey	5975, 6165 (Af); 7325/CAN (NAm)
0200-0245	R Myanmar	7200v (-0300 Sa/So)(As)	0300-0500	Channel Africa	3345 (Eaf/CAf/SAf)
0200-0250	Vo Korea, Py.	4405, 13650, 15100 (SEAs)	0300-0500	CRI Beijing	13750/Be, 15120/Be, 15785/Xi (Siberia)
0200-0300	BBC WS	6005/SEY (Af) 9410/CYP , 11955/OM, 15310/TH (As) 6195/CYP (ME)	0300-0500	Vo Russia	15585/Vla, 15735*/Kom, 15755/Pet (As)
0200-0300	CRI	1320/Vancouver (ENAm); 9550/Kash, 11770/Kash, 13640/Kash, 15435/Xi (Fr 0230-) (CAs/SAs)	0300-0505	CBC NQ	9625; Tue-Sa (NAm)
0200-0300	KBC	6110/LTH	0300-0600	Vo Malaysia	6175, 9750, 15295 (alt: 9665) (SEAs)
0200-0300	KBS World	9580/CAN (NAm)	0300-0600	CVC	13680/UZB (SAs)
0200-0300	R Australia	9660x/Br, 12080x/Br, 13690/Sh, 15240/Sh, 15415/Sh, 15515/Sh, 17750x/Sh, 21725x/Sh	0300-1200	T8WH	15700/MRA (EAs) (multi)
0200-0300	RAE	11710 (NAm) (Tue – Sa)	0300-1200	WWRB	3185 (NAm)
0200-0300	R Bulgaria	9700, 11700 (NAm)	0300-2100	R Uganda	4976, 5026#, 7196# (Eaf)
0200-0300	R Taiwan Int.	5950/FL; 9680/FL (June 15) (NAm)	0330-0355	R Tirana	7425 (NAm)
0200-0300	Vo Indonesia	9525 (alt:11785, 15150) (SEAs)	0330-0358	R Prague	9445, 11600 (ME/As);
0200-0300	Vo Russia	9480/W, 9665/MOL, 9890/Kras (CAm/SAM), 15425/Pet (NAm)	0330-0400	Vo Vietnam	6175/CAN (NAm)
0200-0300	WYFR	5985, 7335/ASC, 9420/ASC, 9385, 9790/GUF (test) (SAM); 9680 (NAm)	0330-0430	R Tanzania	5050# (SAf)
0200-0330	KJES	7555 (NAm)	0330-0500	SLBC	6005, 9770, 15745 (SAs)
0200-0330	R Cairo	7540 (NAm)	0330-0930	CVC Int	15555/UZB (SAs)
0200-0330	R Pilipinas	11880, 15285, 17710 (EAs) 04:00		
0200-0400	WRMI	9955 (NAm)	0400-0430	R France Int.	9805, 11995 (Eaf)
0200-0630	Vo Kenya	4934; 6045# (Af) (Sa, So 0230-)	0400-0500	DW	3995*/POR ; 7245/RRW, 6180/POR, 12045/UAE, 15445/CLN (CAf/WAf)
0200-1200	WWCR 4	5890 (Am)	0400-0500	BBC WS	1323/CYP, 12095/CYP ; 9410/Ram ; 3255/RSA, 6005/ASC, 6190/RSA, 7310/RSA, 12035/CYP (Af); 15310/OM, 15360/OM, 17790/TH (As);
0215-0230	R Nepal	3230#, 5005# (As)	0400-0500	CRI	6020/CAN, 6080/CAN (NAm)
0230-0300	CRI	15435/Xi (ME)	0400-0500	R Australia	9660x/Br, 12080x/Br, 13690/Sh, 15240/Sh, 15415/Sh (0430-), 15515/Sh, 17750/Sh, 21725x/Sh (As/Pac)
0230-0300	KBS Seoul	9560/CAN (NAm)	0400-0500	VoA	1530/ST (-0430), 4930/BOT, 4960/STP, 6080/STP, 9885/MDG(-0430)/ Ram (0430-), 12080/MDG, 15580/CLN (Af)
0230-0300	R Sweden	6010/CAN (NAm); 11550/MDG (As/Pac)	0400-0500	Vo Russia	630/Braunschweig, 693/Berlin , 1431/Dresden, 1575/Burg ; 5850 Su-Fr, 9825 Sa (NAm, SAM)
0230-0300	R Tirana	7425 (NAm) (Tue-Sa)	0400-0500	WHRI 2	5950, 6915 (NAm/CAM)
0230-0300	Vo Vietnam	6175/CAN (NAm)	0400-0600	WYFR	17730/Xi, 17855/Be (CAs)
0100-0300	CVC	11790/UZB (As)	0400-0600	CRI Beijing	9430/Zambia (Af)
0245-0300	HCJB Australia	15400/Kun (As)	0400-0600	Vo Russia	15735*/Kom (-0500)(As), 13775/Pet (NAm)
0245-2245	R 2 Zambia	6165 (SAf)	0400-0700	WYFR	9680 (NAm)
0250-0315	Vatican R	6040/CAN, 7305 (NAm)	0400-1500	WRMI	9955 (NAm)
..... 03:00			0430-0550	IRRS European Gospel R	5990/SVK; Mo-Thu
0300-0320	Vatican R	9310 (As) (Mo-Sa)	0430-0600	TWR Swaziland	3200, 4775 (-0900) Mo-Fr (SAf)
0300-0328	R Prague	7345, 9870 (NAm)	0430-1000	R Nigeria	3326/Lagos#, 4770/Kaduna, 4990/Lagos, 6025/Enugu, 6050/Ilorin#, 6090/Abuja (Nigeria) 11725, 11675* (Pac/NAm)
0300-0330	Sudan R Service	5975/RRW (Af) Mo-Fr	0458-0658	RNZI	
0300-0330	Vatican R	7360, 9660 (Af) 05:00		
0300-0400	BBC WS	9410/CYP ; 3255/RSA, 6005/RSA, 6145/RSA, 6190/RSA, 7255/ASC, 9750/SEY, 12035/CYP, 11945/SEY (0330-) (Af) 12095/OM, 15310/OM, 17790/TH (As)	0500-0530	DW	6180/POR, 7430/Ram, 9700/RRW, 9825/AFS (CAf/SAf)
0300-0400	Channel Africa	6135 (Eaf/CAf/SAf)	0500-0530	R France Int.	11995, 13680 (Af)
0300-0400	CRI	738/M ; 9690/Spain, 9790/CUBA (NAm); 11770/Kash, 13750/Be, 15110/Kash (SAs)	0500-0530	Vatican R	7360, 9660, 11625 (Af)
0300-0400	DW	1458/CLN, 13770*/Nov, 15595/UAE (SAs)	0500-0555	Channel Africa	9735 (Waf)
0300-0400	R Australia	9660x/Br, 12080x/Br, 13690/Sh, 15240/Sh, 15415/Sh, 15515/Sh, 17750x/Sh, 21725x/Sh (As/Pac)	0500-0600	BBC WS	12095/CYP; 15565/CYP (Russia); 3255/RSA, 6005/ASC, 6190/RSA, 7310/RSA, 7255/ASC, 11945/SEY 15420/SEY, 17640/CYP (Af) 15310/OM, 15360/OM, 17790/TH (As)
0300-0400	R Cultural	3300 Tue or Wed (CAm)	0500-0600	BBS, Bhutan	6035 (SAs)
0300-0400	R Romania Int.	6150, 9645 (NAm W), 9735, 11895 (SEAs)	0500-0600	CRI	6020/CAN, 6190/CAN, 9560/CAN (NAm)
0300-0400	R Sultanate of Oman	15355# (As)	0500-0600	R Australia	9660x/Br, 12080x/Br, 13690/Sh, 15160/Sh, 15240/Sh, 15415/Sh (0530-), 15515/Sh, 17750/Sh (As/Pac)
0300-0400	R Taiwan Int.	5950/FL (NAm)			
0300-0400	R Ukraine Int.	7440/Lviv (NAm)			
0300-0400	WYFR	11740, 15255 (CAm/SAM)			
0300-0400	Vo Korea, Py.	3560, 7140, 9345, 9730 (NEChina)			
0300-0400	VoA	909/BOT, 1530/ST, 4930/BOT, 6080/STP, 9885/BOT, 15580/CLN (Af)			
0300-0400	Vo Greece	7450, 7475, 9420; Su (+NAm)			
0300-0400	Vo Russia	1548/MOL ; 15425/Pet (NAm) 9665/MOL (SAM/CAM)			

0500-0600	R Japan	5975/Sk ; 6110/CAN (-0530) (NAM), 11970/F (-0530) (Af); 15325 (As), 17810 (SEAs) 5950/FL (WNAf)			
0500-0600	R Taiwan Int				
0500-0600	R Ukraine Int.	(9945) 7440			
0500-0600	TWR Swaziland	3200, 6420, 9500 (SAf)			
0500-0600	VoA	909/BOT, 4930/BOT, 6080/STP, 12080/BOT, 15580/CLN (Af)			
0500-0600	WHRI 2	7365 Su, 7390 Mo-Sa (Am)			
0500-0700	CRI	11710/ALB, 17505/Kash (Af/WAs)			
0500-0700	R Habana Cuba	6010, 6060, 11760 (NAf)			
0500-0700	Vo Nigeria	7255# (WAF), 9690# (CAf/SAf), 15120 (+ NAf)			
0500-0800	Channel Africa	7230 (Af)			
0500-0800	R Kuwait	15110 (ME/SEAs)			
0500-0800	Vo Russia	630/Braunschweig, 693/Berlin, 1323/Kal, 1431/Dresden			
0500-0900	CRI	11880/Kash, 15350/Ur (-0600)/Kash(0600-), 15465/Kash, 11895/Kash (-0900), 17540/Kash (CAs/SAs/WAs)			
0500-0900	TWR Swaziland	4775, 6120, 9500 (SAf)			
0500-1100	WHRI 1	11565 (As)			
0505-0520	R Austria	17870 Mo (ME)			
0505-0530	R Austria	17870 Sa/Su (ME)			
0515-0525	R Rwanda	6055 (EAF)			
0530-0558	R Romania Int.	7305, 9655 , 15435, 17760 (Pac)			
0530-0558	Voice of Strait	9505/TWN; Su (EAs)			
0530-0600	R Thailand	17655 (+As)			
0530-0600	Sudan R Service	13720/UAE; Mo-Fr (Eaf)			
0535-0600	R Austria	17870 (Sa-Su) (ME)			
0545-0600	R Austria	17870 (Tue-Fr) (ME)			
..... 06:00					
0600-0615	TWR	11640/RSA Sa/Su (Af)			
0600-0620	Vatican R	4005, 7250			
0600-0630	DW	7310/POR, 15275/RRW (WAF)			
0600-0630	Ghana BC	4915 (WAF) #			
0600-0630	R France Int.	11610, 15160, 17800 (Af)			
0600-0630	R Vientiane	7145 (SEAs)			
0600-0630	Vatican R	5965			
0600-0645	TWR	11640/RSA Mo-Fr (Af)			
0600-0655	Channel Africa	15255 (WAF)			
0600-0700	BBC WS	12095/CYP ; 6005/ASC, 6190/RSA, 9410/ASC, 9860/RSA, 11765/ASC, 12015/RSA, 15400/SK, 15420/SEY 17640/CYP (Af); 12095/CYP, 15310/TH, 17790/TH (As)			
0600-0700	CRI	11870/Kash, 15140/Kash (ME); 11710/ALB (NEAf)			
0600-0700	DW	3995*/Sk, 6130*/POR			
0600-0700	R Australia	9660x/Br, 11650/Sh, 12080x/Br, 13690/Sh, 15160/Sh, 15240x/Sh, 15415/Sh (0630-), 15515/Sh, 17750x/Sh (As/Pac) 15180/Sh, 15290/TWN (Sa/Su) (As)			
0600-0700	R Sana'a, Yemen	9780v (ME)			
0600-0700	TWR Swaziland	4775, 6120, 9500 (SAf)			
0600-0700	VoA	909/BOT, 1530/ST, 6080/STP, 12080/BOT, 15580/CLN (Af)			
0600-0700	WHRI 2	7365 (Am)			
0600-0700	WYFR	7520 (-0745); 11580 ; 5850 (CAm), 11530 (Af)			
0600-0800	CRI	1215/ALB , 13660/Xi, 17710/Be. (As)			
0600-0830	Vo Malaysia	6175, 9750, 15295 (As/Pac)			
0600-0900	Vo Russia	17635/Kom, 21790/IK (Pac)			
0600-1700	Christian Voice	6065/Zambia (Af)			
0600-1900	CVC Int	13590/Zambia (Af)			
0600-1800	R Liberia	6100 #			
0600-2200	R Veritas, Liberia	5470 # (WAF)			
0630-0700	R Bulgaria	9600, 11600			
0630-0700	Vatican R	7360, 9660, 11625 (EAF)			
0645-0820	TWR	6105/W, 9800/MCO ; Su;			
0659-1058	RNZI	7285*, 6170 (NPAC)			
..... 07:00					
0700-0715	GBC, Accra	4915# (WAF)			
0700-0728	R Prague	9880, 11600			
0700-0730	Bible Voice	5945/W (Su)			
0700-0730	R France Int.	13675 (WAF)			
0700-0730	R Slovakia	9440, 11650 (SAs/Aus/Pac)			
0700-0730	Voice of Holy Tibet	4905, 4920, 5240, 6110, 6130, 6200, 7385, 9490, 9580 (As)			
0700-0750	TWR	6105/N, 9800/MCO , Mo-Fr			
0700-0800	BBC WS	5790*/Sk ; 6190/RSA, 9860/RSA, 11765/ASC, 13820/ASC, 15400/ASC (Mo-Fr, Sa/Su -1130), 15420/SEY, 17830/RSA (Af) 15310/TH, 17790/OM (As)			
0700-0800	CRI	15125/Kash, 15625/Kash (ME)			
0700-0800	R Australia	9660x/Br, 9475/Sh, 9710/Sh, 11650/Sh, 11945/Sh, 12080x/Br, 13630/Sh, 15160x/Sh, 15240/Sh, 17750x/Sh (As/Pac)			
0700-0800	R Filia / Vo Greece	11645			
0700-0815	Bible Voice	5945/W (Sa)			
0700-0830	R Myanmar	9730 (As)			
0700-0845	WYFR	9385 (Af); 5950, 9505 (-0800) (NAf)			
0700-0900	CRI Beijing	13710/ALB, 17490/Kash			
0700-0800	WADR	17875/Sk (WAF)			
0700-0900	Vo Russia	1251/Du (As)			
0700-1000	DW	9545*/POR			
0700-1100	WYFR	5985 (-1245), 6915 (NAf)			
0700-1200	R Africa	15190 irr			
0700-1300	CRI	17490/Kash			
0700-1300	NBC Port Moresby	4890 (SEAs)			
0700-1300	WHRI 6	7385 (Am)			
0700-1400	BBC	11760/OM, 15575/CYP (ME)			
0700-2200	R Vanuatu	7260 (Pac)			
0700-2200	Vo Guayana	3290, 5950irr (SAM)			
0715-0750	TWR	6105/W, 9800/MCO ; Sa			
0730-0745	Vatican R	4005, 5965, 7250, 9645, 11740, 15595			
0730-0800	Cotton Tree News	15220/Ram (WAF)			
0730-0930	HCJB	11750/Kun (SEAS/Pac)			
0745-0800	Bible Voice	5945/J (Fr)			
..... 08:00					
0800-0830	R Myanmar	9730 # (SEAs)			
0800-0855	SARL	7205/RSA, 17570/RSA; Su (Af)			
0800-0900	BBC WS	6190/RSA, 9860/RSA, 15400/ASC, 17640/SEY, 17830/ASC, 21470/SEY (Af) 15310/TH, 17760/OM, 17790/OM (As)			
0800-0900	BBS, Bhutan	6035 Su (SAs)			
0800-0900	CRI	15125/ALB (Af); 11620/Xi, 15625/Kash (ME)			
0800-0900	IRRS European Gospel R	9510/SVK (Sa) (+Af)			
0800-0900	KBS World	9570 (SAs)			
0800-0900	KNLS	7355 (EAs)			
0800-0900	TWR Swaziland	6120, 9500 (Af)			
0800-0900	R Australia	5995/Sh, 9475/Sh, 9580/Sh, 9590/Sh, 9710/Sh, 11945/Sh, 12080/Br, 13630/Sh, 15415/Sh (0830-) (As/Pac)			
0800-0900	Vo Indonesia	9525 (alt: 11785, 15150) (As)			
0800-0900	Vo Russia	630/Braunschweig 693*/Berlin, 1323/Kal, 1431/Dresden, 12060*/M , 1251/Du (As)			
0800-0900	KTWR	15170 (SEAs)			
0800-1000	CRI Beijing	11620/Xi (EAs)			
0800-1600	Channel Africa	9625 (Af)			
0805-0900	KTWR	15170/GUM; Tue, Thu (As)			
0820-0900	KTWR	15170/GUM; Wed (As)			
0830-0900	KTWR	15170/GUM; Mo (As)			
0830-2130	ABC N Territories	2310, 2325, 2485 (Aus)			
0855-0930	KTWR	11840/GUM; Mo-Fr (Pac)			
..... 09:00					
0900-0915	Ghana BC	4915 (WAF) #			

0900-0928	R Prague	9880 , 21745 (SAs/WAf) 9955/WRMI (NAm)	1000-2200	Caribbean Beacon	11775 (NAm/CAM)
0900-0930	EURANET, Bulg	15195*	1015-1045	Bible Voice	5910/Kam; Su (As)
0900-0930	R Japan	9825 (Hawaii); 11815 (SEAs), 15590 (SWAs)	1030-1045	R Ethiopia	5990, 7110, 9705v
0900-1000	BBC WS	6190/RSA, 9860/RSA, 15400/ASC, 17830/ASC, 17640/SEY, 21470/SEY (Af) 6195/SNG, 6195/TH, 9740/SNG, 15310/TH, 17760/TH, 17790/OM, 21660/TH (As)	1030-1058	R Prague	9880, 11665 (Af)
0900-1000	CRI	15270/Kas, 17570/Ur ; 11620/Xi, 15350/Kash, 17750/Kash (SAs); 15625/Kash (Af)	1030-1100	Vo Mongolia	12085 (SAs)
0900-1000	DW	15340/SNG, 17705/CLN (EAs)	1030-1200	IRIB Tehran	15600, 17660 (SAs/Pac)
0900-1000	R Australia	9475/Sh, 9580/Sh, 9590/Sh, 11945/Sh, 12080/Br (As/Pac)	1059-1158	RNZI	7285*, 9655 (Pac)
0900-1000	Vo Tajik	7245 (CAs) 11:00		
0900-1000	R Ukraine Int.	11550/Kharkiv	1100-1130	Voice of Holy Tibet	(4905, 4920, 5240, 6110, 6130, 6200, 7385) (CAs)
0900-1000	Vo Russia	12060*/M ; 21790/IK (Pac)	1100-1130	Vatican R	7250; Su
0900-1100	CRI	17490/Kash ; 15210/Ku, 17690/Jin (Aus/SPac)	1100-1130	Vo Vietnam	1242, 7285, (9840) (SEAs)
0900-1100	Vo Russia	15470/Nov, 15610/Chita (As)	1100-1200	BBC WS	6190/RSA, 9860/RSA, 15400/ASC (-1130), 17640/SEY, 17830/ASC, 21470/SEY (Af)
0900-1100	WWCR 1	9985 (NAm)	6195/SNG, 9740/SNG, 15310/TH, 15340/SNG, 17760/TH, 17790/OM (As/SEAs); 11760/OM (ME)		
0900-1100	WYFR	9460/IK, 9465/TWN (EAs)	1100-1200	CRI Beijing	1269/Yun; 11750/CAN (NAm); 6060/Be (-1130), 11650/Ur, 11660/Kash, 11795/Kash, 13610/Kash, 13645/Kash (SAs)
0900-1145	WYFR	9755 (NAm)	1100-1200	R Australia	6020/Sh, 9475/Sh, 9560/Sh, 9580/Sh, 9590/Sh, 11945/Sh (As/Pac)
0900-1030	R Tanzania	5050 (EAf)#	1100-1200	R Romania Int	11775, 15210 ; 15430, 17730 (Af)
0900-1200	University Network	5029, 6150, 7375, 9725 (NAm/CAM/SAm/Eu/Af) ##	1100-1200	R Taiwan Int.	7445, 11715 (SEAs)
0900-1200	WEWN	11640 (SEAs)	1100-1200	R Ukraine Int.	11550/Kharkiv
0900-1315	Vo Kenya	7270; Mo-Fr (EAf)	1100-1200	Vo Russia	12065*/Chita; 15470/Nov (As)
0900-1400	BBC	15575/CYP (ME)	1100-1200	WYFR	7730, 9550 (-1145), 9625 (CAM/SAM)
0915-0930	KTWR	11840/GUM; Sa (As)	1100-1300	CRI Beijing	13650/ALB; 17490/Kash
0930-1130	CVC Int	15555/Dw (As)	1100-1300	WHRA	7315 (NAm)
0930-1200	IRRS European Gospel R	9510/SVK; Su (+Af)	1100-1400	CBC NQ	9625; Sa (NAm)
..... 10:00			1100-1400	WHRI 1	7315; Mo-Sa (CAM/SAM)
1000-1005	R Pakistan	15100, 17835 (As)	1100-1600	CRI	5955/Be (EAs)
1000-1030	FEBC	15325; Fr/Sa (As)	1100-1600	CBC NQ	9625; Su (NAm)
1000-1030	Vo Vietnam	9840; 12020 (As)	1100-1600	WWCR 3	7490 (NAm)
1000-1100	AIR	7270/Mumbai, 13695/Ba, 15020/Aligath#, 15410/Ba, 15260/Delhi, 17510/Delhi, 17800/Ba, 17895/Aligarh (SEAs/Aus)	1100-2100	WWCR 1	15825 (NAm)
1000-1100	BBC WS	6190/RSA, 9860/RSA, 15400/ASC (Sa/Su), 17640/SEY, 17830/ASC (Sa/Su), 21470/SEY (Af) 6195/SNG, 6195/TH, 9605/TH, 9740/SNG, 15310/TH, 15575/CYP 17760/TH, 17790/OM, 21660/TH (As)	1105-1200	Vo Greece	9420, 15650 ; Su (+NAm)
1000-1100	CRI Beijing	11610/Xi, 13590/Be (Siberia); 11635/Be, 13620/Xi (EAs); 15190/Kash, 15350/Kash (SAs)	1115-1130	Bible Voice	5945/Kha; Mo-Fr (EAs)
1000-1100	KNLS	6890 (EAs)	1115-1145	Bible Voice	5945/Kha; Sa; So-1200 (EAs)
1000-1100	R Australia	9475/Sh, 9580/Sh, 9590/Sh, 11945/Sh, 12080/Br (As/Pac)	1130-1145	Eternal Good News	15525/UAE; Fr (As)
1000-1100	R Netherlands	11895/MRA, 12065/PET, 15110/PH (EAs/Aus)	1130-1145	LV Rev. Burundi	6140 #
1000-1100	Vo Indonesia	9525v, 11785alt (As)	1130-1200	R Bulgaria	11700, 15700
1000-1100	Vo Korea, Py.	3560 (NEAs), 11710, 15180 (CAM/SAM); 11735, 13650 (SEAs)	1130-1200	Vo Vietnam	9840, 12020 (As)
1000-1155	BSKSA Riyadh	15250 (15470) (Af)	1130-1500	CVC Int	13635/Dw (SEAs)
1000-1100	WYFR	9450/IK (As)	1159-1258	RNZI	9655 (Pac)
1000-1200	CRI	6040/CAN (NAm); 6060/Be (- 1130), 13720/Xi, 13590/Be, 13620/Xi (SEAs) 12:00		
1000-1245	WYFR	5950 (NAm/SAM)	1200-1215	R Nepal	5005 (As)
1000-1300	T8WH Angel 4	12130/Palau (EAs)	1200-1230	AWR /KSDA	15435/W (SAs)
1000-1400	WINB	9265 (NAm)	1200-1230	R France Int.	17800, 21620 (Af)
1000-1600	FRCN Lagos	7285 # (Af)	1200-1230	R Japan	9790/W ; 9695 (As), 6120/CAN (NAm); 9625 (Pac)
1000-1500	BBC/DW	9545*/OE	1200-1245	HCJB	15400/Kun (As)
1000-1500	Vo Nigeria	9690 (WAF), 15120 (+ NAF), 17800# (CAf/Saf)	1200-1258	Polskie R	9525/W, 7330/N
			1200-1300	BBC WS	6190/RSA, 9860/RSA, 17830/ASC, 17640/SEY, 21470/SEY (Af)
			5875/TH, 6195/SNG, 9740/SNG, 11750/TH, 15310/TH, 17790/OM (As) 11760/OM (ME)		
			1200-1300	CRI Beijing	13650/ALB, 13790/Ur, 17490/Kash
			1200-1300	CRI Beijing	11690/Xi (CAs); 1269/Yun, 9600/Ku, 9645/Be, 9730/Ku, 11980/Ku (SEAs), 9460/Kash, 11650/Ur, 11660/Kash, 13645/Kash (SAs)
			1200-1300	KBS World	9650/CAN (NAm)
			1200-1300	KNLS	7355, 9780 (EAs)

1200-1300	R Australia	6020/Sh, 9475/Sh, 9560/Sh, 9580/Sh, 9590/Sh, 11945/Sh (As/Pac)	1330-1400	AWR /KSDA	11880/GUM (Thu, Sa), 15275/GUM (Mo-Tue, Thu-Sa) (SAs)
1200-1300	R Taiwan Int.	9850*/Sk; Fr	1330-1400	Lao National R	7145 # (EAs)
1200-1300	VoA	6140/PH, 7575/TH, 9510/TH (-1400), 9760/PH, 12075/CLN (EAs, Pac)	1330-1400	R Sweden	15735 (As/ME/Af)
1200-1300	Vo Russia	603/, 7330/Vla, 12065/Chita; 15470/Nov (As)	1330-1400	Vo Vietnam	9840, 12020 (As)
1200-1300	WYFR	9365/TJK; 17555 (CAm/SAM)	1330-1500	AIR	9690/Ba, 11620/Delhi, 13710/Ba (SEAs)
1200-1400	CRI	9760/Ku, 11760/Ku (Aus/SPac)	----- 14:00 -----		
1200-1500	WEWN	11530 (SEAs)	1400-1415	FEBA	12025/UAE; Su (As)
1200-1600	Vo Africa	21695/LBY, 17725/LBY (NAf) + Suaheli	1400-1415	PAB	13645/J; Sa/Su (ME/As)
1200-1600	University Network	9725, 11870, 13750 (NAm/CAm/SAM) ##	1400-1415	PMR Pridnestrovje	7370 (Mo-Fr) #
1200-2145	WYFR	17795 (NAm)	1400-1427	R Prague	9955/WRMI (CAm/SAM)
1200-2400	WWRB Overcomer	9385 (NAm)	1400-1430	IRRS European Gospel R	15725/SVK; Su (As)
1200-2400	WWCR 2 /G. Scott	13845 (NAm)	1400-1430	R Japan	13630/Sk; 11705 (SEAs); 11985 (SWAs), 11705/CAN (NAM), 17650/F, 21560/F (Af)
1200-2400	WWCR 4	9980 (NAm)	1400-1430	R Thailand	9455 (SEAs/Pac)
1205-1220	R Austria	6155, 13730; 17715 (As/Pac)	1400-1430	Shiokaze	6120 (EAs)
1205-1230	R Austria	6155, 13730; Sa/Su (As/Pac)	1400-1430	Southern Sudan Interactive R	15470/ARM (Tue/Thu/Sa)(Waf)
1215-1230	R Austria	17715 Tue-Fr (As/Pac)	1400-1458	R Netherlands	9345/UZB (As)
1215-1330	R Cairo	17835 (SAs)	1400-1500	BBC WS	12095/CYP (ME), 6190/RSA, 7230/RSA, 15420/CYP, 17640/CYP, 17830/ASC, 21470/CYP(Af)
1230-1300	Bangladesh Betar	4750; 7250## (As)	1400-1500	BBS, Bhutan	5875/TH, 6195/SNG, 9740/SNG, 11920/TH, 15310/OM (As)
1230-1300	R Thailand	9890 (SEAs/Pac)	1400-1500	Bible Voice	6035 (SAs)
1230-1300	Vo Vietnam	9840, 12020 (SEAs)	1400-1500	CRI Beijing	17805/W; Sa/Su (SAs)
1230-1325	VoTurkey	15450, 15520 (As/Aus)	1400-1500	CRI Beijing	13710/Kash, 13790/Ur
1230-2400	Vo Malaysia (Traxx FM)	7295 (As)	1400-1500	CRI Beijing	13740/CUBA (NAm) 11665/Xi, 11675/Ur, 11765/Ur (SAs); 9765/Xi (CAs)
1230-1300	HCJB	15400; Su-Fr(As)	1400-1500	KNLS	7355 (EAs)
1235-1300	R Austria	17715 Sa/Su (As/Pac)	1400-1500	Overcomer Ministries	13810/J; (+ME)
1245-1300	R Austria	6155, 13730; 17715 Tue-Fr (As/Pac)	1400-1500	R Australia	5995/Sh, 6080/Sh, 7240/Sh, 9475/Sh (1430-), 9590/Sh, 11660/Sh (1430-) (As/Pac)
1245-1300	R Austria	17715 M (As/Pac)	1400-1500	R Sultanate of Oman	15140 (As)
1249-1550	RNZI	6170 (Pac)	1400-1500	T8WH Angel 4	9955 (As)
----- 13:00 -----			1400-1500	VoA	4930/BOT, 6080/STP, 13570/STP, 15580/STP, 17585/Ram (-1430)/TH(1450-), 17740/BOT (Af)
1300-1328	R Prague	13580, 17540 (SAs)	1400-1500	VoA	15530/Lam, 17740/BOT (+Af);
1300-1330	HCJB Global	15400/Kun (As)	1400-1500	Vo Russia	9750*/M; 1251/Du (ME), 1251/Du, 1323/ Huadian Jilin CHN, 6045/Vla, 7330/Vla, 9445*/IK, 9850/Pet, 15605/M (As)
1300-1400	BBC WS	6190/RSA, 9860/RSA, 15420/SEY, 17640/SEY, 17830/ASC, 21470/ASC (Af)	1400-1500	WHRI Angel 1	15665; Mo-Fr (CAm/SAM))
1300-1400	CRI Beijing	6195/SNG, 9740/SNG, 11750/TH, 15310/TH, 15575/CYP, 17790/TH (As)	1400-1500	WYFR	5995/Ru, 6225/UZB, 7535/KAZ, 7560/KAZ, 9365/UZB, 9415/IK, 9865/Pet, 11560/TWN, 11725/Pet, 13810/KAZ, 15715/W (EAs); 11910, 13695 (NAM)
1300-1400	KBS World	9570, 9770 (As)	1400-1515	Bible Voice	15680/F; Su (As)
1300-1400	R Australia	6020/Sh, 9560/Sh, 9580/Sh, 9590/Sh (As/Pac)	1400-1600	CRI	13685/Mali, 17630/Mali (Af)
1300-1400	VoA	7575/KWT, 9510/TH, 9760/PH (EAs, Pac)	1400-1600	Channel Africa	7325/Be (-1430), 9870/Xi (As)
1300-1400	Vo Indonesia	9525, 11785alt (As/Pac)	1400-1600	R Netherlands	13740/Cuba (NAM)
1300-1400	Vo Korea, Py.	4405 (EAs), 13760, 15245; 9335, 11710 (NAM)	1400-1600	KJES	9625 (Af)
1300-1400	Vo Russia	7330/Vla, 12065/Chita (As)	1400-1600	R Netherlands	11715 (NAM)
1300-1400	WYFR	11865, 17795 (NAm/CAm), 7560/KAZ, 11520/TWN, 11560/TWN, 13700/W, 13810/KAZ (As)	1400-1600	Overcomer Ministries	5825/TAZ, 7530/UZB, 11835/MDG, 15815/MDG (As/SAs)
1300-1500	R Jordan	11690 (NAM)	1400-1600	WHRI 1	6110/J
1300-1530	CBC NQ	9625; Mo-Fr (NAM)	1400-1600	CVC Int.	15195 ()
1300-1600	WHRI 2	9840; Sa/Su (NAM)	1400-1700	CVC Int.	13650/Zambia (Af)
1300-1600	WHRA Angel 5	15195 Sa/Su (Af)	1400-1800	CVC Int	15745/W (Af)
1300-1600	WYFR	11910, 11830 (-1645) (NAM)	1400-2100	CVC Int	17770/J (Waf)
1300-2200	WHRI 6	11785 (Am)	1400-2100	WINB	13570 (SAM)
1310-1340	R Japan	11985 (SWAs)	1405-1500	Vo Greece / R Filia	9420, 15650; Sa (+NAM)
1315-1400	China National R 2	3985, 6065, 6090, 6155, 7140, 7150, 7315, 7335, 7375, 9515, 9620, 9730, 9755, 9775, 9820, 11740 (English lessons)(China)			

1415-1430	PAB	13645/J; Mo-Sa (As)	1530-1600	Bible Voice	15680/J; Thu, Sa (SAs)
1415-1430	R Vientiane	6145 (Eas)	1530-1600	R Sweden	13600 (+Af/ME)
1415-1430	R Nepal	5005#, 6100(alt) (As)	1530-1600	Sudan R Service	9840/M (Eaf)
1415-1450	KTWR	9975/GUM (As)	1530-1600	Vo Mongolia	12085 (As)
1425-1455	TWR Swaziland	4760; 6065 (Mo-Fr) (SAf)	1530-1627	IRIB Tehran	7305, 9600 (SEAs)
1430-1445	PAB	13645/J; Su (ME/As)	1530-1815	Bible Voice	13590/N Su (ME)
1430-1445	PMR Pridnestrovje	7370#; Mo-Fr	1530-1915	R Tanzania	5050#, 11735 (Af)
1430-1500	KBS World	9750*Ram (Fr)	1535-1600	R Austria	13775/CAN Sa/Su (NAm)
1430-1500	R Sweden	13820 (+As/Pac)	1545-1600	FEBA	9830/ ; Sa (As)
1430-1500	R Tirana	13625 (NAm)	1545-1615	Bible Voice	13590/N Tue-Fr; Mo -1600 (ME)
1445-15530	HCJB Global	15425/Kun (As)	1545-1600	R Austria	13775/CAN Mo-Fr (NAm)
			1551-1750	RNZI	7285, 6170* (Pac)
..... 15:00 16:00		
1500-1515	R Pakistan	9380, 11565 (ME), 15100 (SAf)	1600-1615	Bible Voice	13590/N; Sa (ME)
1500-1525	Vo Strait	4940/TWN (EAs)	1600-1628	R Prague	5930 , 17485 (Eaf)
1500-1528	Vo Vietnam	7285, 9840, 12020 (As/Af)	1600-1628	Vo Vietnam	7220, 7280, 9550, 9730 (Af)
1500-1530	AWR /KSDA	11720/GUM (SAs)	1600-1630	AWR /KSDA	11805/GUM, 11720/GUM (SAs)
1500-1530	Bible Voice	15295/N; Sa (SAs)	1600-1645	PAB	9850/J; Su (ME)
1500-1530	Sudan R Service	17745/POR (Af)	1600-1645	WYFR	11865 (NAm)
1500-1545	WYFR	15770 (CAm/SAM)	1600-1700	BBC WS	3255/RSA, 6190/RSA, 7385/RSA (1615-), 11860/SEY (1615-), 15400/ASC, 15420/SEY, 17640/ASC, 17830/ASC, 21470/CYP (Af)
1500-1600	BBC WS	12095/Ram; 6190/RSA, 7230/RSA, 7385/RSA, 11860/SEY (-1530), 15400/ASC, 15420/SEY (-1530), 17640/CYP, 17830/ASC, 21470/CYP (Af)			5975/SNG, 6195/SNG, 9740/SNG, 15310/OM (As)
		15215 (Eaf/CAf)			11730/J Sa (As)
1500-1600	Channel Africa	558/London, 11965/Kash.	1600-1711	Cheetah R	963/FIN, 11650/Xi, 11940/Kash, 11965/Kash, 13760/Kash;
1500-1600	CRI Beijing	13640/Kash; 13740/CUBA (NAm)	1600-1700	CRI Beijing	7235/Ur, 7420/Kash, 9570/Ku, 9760/Jin, 11900/Jin (Af), 6060/Ku, 6145/Xi, 6180/Kash, 7420/Kash, 9760/Jin (As)
		1323/Lhasa, 7325/Be, 7405/Ur, 9600/Kash (1530-), 9720/Ur, 9800/Jin, 9870/Xi, (As); 6095/Kash (SEAs)			1548/CLN, 6170/CLN, 9485/CLN, 9540/CLN, 15640/Ram (SAs)
1500-1600	CRI Beijing	11730/Dw (As)	1600-1700	DW	9515 5995/Sh, 6080/Sh, 7240/Sh, 9475/Sh, 9580/Sh, 9710/Sh, 11660/Sh (As/Pac)
1500-1600	CVC	13810/J, 17845/J (Waf/CAf)	1600-1700	KBS World	15605 (Waf), 17605 (Eaf/NAf)
1500-1600	Overcomer Min.	5995/Sh, 6080/Sh, 7240/Sh, 9475/Sh, 9590/Sh, 11660/Sh (As/Pac)	1600-1700	R Australia	13840/F , 11550 (SAs)
1500-1600	R Australia	11675/Ku, 17720/Ur (ME/As)	1600-1700	R France Int.	909/BOT, 1530/ST, 4930/BOT, 6080/STP, 15580/BOT, 17715/STP (Af)
1500-1600	RCI	4930/BOT, 6080/STP, 13570/BOT, 15580/STP/	1600-1700	R Taiwan Int.	1530/STP, 12080/BOT, 13570/MDG, 17895/STP (E Special) (As)
1500-1600	VoA	BOT(1530-), 17895/BOT (Af)	1600-1700	VoA	7165, 9560v (Af)
		7430/PH, 7575/KWT, 9700/PH, 12150/CLN (As/Pac)	1600-1700	VoA	3560 (EAs), 9990, 11545 (ME/NAf)
1500-1600	VoA	12005/LH, 15530/Biblis; 1575/TH, 6160/PH, 7520/PH, 9485/PH, 9700/TH, 9760/PH, 15550/PH (E Special) (As)	1600-1700	Vo Ethiopia	12040*M; 1251/Du, 4975/TJK, 11985/M, (ME) 1251/Du (As)
1500-1600	Vo Korea (Py)	13760, 15245; 3560, 4405 (As)	1600-1700	Vo Russia	17650 (SAm)
1500-1600	Vo Russia	9335, 11710 (NAm)	1600-1700	WHRI Angel 1	9840 (NAm/CAM)
		12040/M; 4975/TJK, 11985/M, 9735/Sam (ME); 6045/Via, 9625/Nov, 9660/Xi, 9850/Pet, 15605/M (As)	1600-1700	WHRI Angel 2	13695 (NAm), 6085 (CAm/SAM), 11745/UAE (As), 21525 (Af)
1500-1600	WHRI Angel 1	13650; Sa; 17690; Su (SAM)	1600-1730	CVC	9680/Dw (As)
1500-1600	WYFR	6280/TWN, 12015/UAE (SAs)	1600-1800	BBC	3995*/
		15750/W (Eaf)	1600-1800	R Cairo	12170 (CAf/SAf)
1500-1700	BBC	5790*NOR, 12095/Ram	1600-1800	Vo Russia	11985/M, 13855/M (Af)
1500-1700	WEWN	15610	1600-1800	WYFR	18980 (-2145), 21455
1500-1700	WRMI	9955 (Am)	1600-1900	WHRA Angel 5	17520; Su (Af)
1500-1800	IRRS Miraya FM R	15650/SVK; Su (Af)	1600-2000	University Network	9725, 11870, 13750 (NAm) ##
1500-2100	CBC NQ	9625 Su (NAm)	1600-2200	WWCR 3	12160 (NAm)
			1600-2300	R Africa	15190 (Waf)
1500-2200	T8HW Angel 4	9930/Palau (As)	1600-2300	Vo Nigeria	3326 (Waf)#
1500-2230	Reflections Europe	3910/Eire, 6295/Eire, 12225/Eire (Su) 13775/CAN Mo (NAm)	1615-1645	TWR Swaziland	6130; Mo-Fr (Af)
1505-1520	R Austria	13775/CAN Sa/Su (NAm)	1615-1730	BVB	13590/N; Sa (ME)
1505-1530	R Austria	9515, 9800* (NAm)	1630-1645	BVB	13590/N; Thu (ME)
1505-1705	RCI	13775/CAN Tue-Fr (NAm)	1630-1655	Voice of Holy Tibet	4905, 4920, 5240, 6110, 6130, 6200, 7125, 7385 (EAs) (Mo-Sa)
1515-1530	R Austria	4760, 6065 (SAf)			6190/GUM (SAs)
1525-1555	TWR Swaziland	15335/W (CAs/SAs)	1630-1700	AWR (KSDA)	5920, 6055
1530-1600	AWR /KSDA	9310/UZB, 11850, 13765 (As)	1630-1700	R Slovakia	6130; Sa/Su (Af)
1530-1550	Vatican R	Sa -1600	1640-1650	R Ashkabad	4930
			1645-1700	PMR Pridnestrovja	7370#; Mo-Fr
..... 17:00 17:00		
			1700-1728	R Prague	5930 , 17845 (As/Pac)

1700-1730	Vo Azerbaidjan	1296, 6110 # (ME)	1800-1830	Vo Vietnam	5955/OE (+SAs)
1700-1730	Vo Croatia	6165	1800-1845	Bible Voice	6130/W ; Sa; Su -1900 (Russia); 9430/W; Su (ME)
1700-1800	BBC WS	5875/CYP, 13675/Ram (RUS); 3255/RSA, 6005/SEY (-1745), 6190/RSA, 7385/RSA, 9410/SEY (-1745), 12095/CYP, 15400/ASC, 17830/ASC (Af); 5975/TH, 7400/TH, 9740/SNG (As)	1800-1900	BBC WS	5875/CYP, 13675/Ram (RUS) ; 9485/CYP (ME); 3255/RSA, 6005/SEY (1830-), 6190/RSA, 7385/RSA, 9410/SEY (1830-), 11810/ASC, 17795/Sk (Af) 5975/TH (-1830), 5995/OM, 6015/OM, 7260/OM/TH, 9740/TH (As)
1700-1800	Bible Voice	9430/W; Sa (ME)	1800-1900	CBC NQ	9625; Su (NAm)
1700-1800	Channel Africa	15235 (Waf)	1800-1900	CRI Beijing	6020/Xi (-1830), 6030/Be, 9600/Be, 7265/Xi (-1830), , 13760/Kash
1700-1800	CRI Beijing	7335/Be, 9695/Be, 13760/Kash ; 6140/Kash, 6165/Xi, 7235/Be, 7265/Ku, 7315/Jin, 7410/Kash, 7420/Kash (As)	1800-1900	KBS World	7275
1700-1800	RCI	7315/Jin, 9570/Ku, 11900/Jin (Af)	1800-1900	RAE	9690, 15345 (Mo-Fr)
1700-1800	R Australia	5850/Sweden Sa/Su	1800-1900	R Australia	6080/Sh, 7240/Sh, 9475/Sh, 9580/Sh, 9710/Sh, 11880/Sh (As/Pac)
1700-1800	Polish R Warsaw	5995/Sh, 6080/Sh, 9475/Sh, 9580/Sh, 9710/Sh, 11880/Sh (As/Pac)	1800-1900	RCI	9530/Sk, 11765/ , 17735/CAN, 17810/Sk (NAf)
1700-1800	R Romania Int.	7265*/W, 9790/F	1800-1900	R Netherlands	6020/MDG (SAf/EAf)
1700-1800	R Taiwan Int	9535*, 11735	1800-1900	R Omdurman	7200, 9505 #
1700-1800	TWR Swaziland	15690/F (Af)	1800-1900	R Taiwan Int.	6155/F
1700-1800	VoA	9500 (SAf)	1800-1900	R YR Sana'a	9780v
		6080/STP, 9885/, 11835/RSA (-1730), 15580/BOT; 15675/Sk, 15410 (1730-) (Af)	1800-1900	TWR Swaziland	9500 (SAf)
			1800-1900	T8WH Angel 3	9955 (As)
1700-1800	Vo Russia	12070/M ; 1251/Du, 4975/TJK, 11610/M (ME); 1251/TJK, 1269/Xi (As)	1800-1900	VoA	909/BOT, 4930/BOT (-1830), 6080/BOT, 15410/Ram , 15580/BOT (Af)
1700-1800	WHRI Angel 2	9840 Su-Fr, 17650 Sa (Am)	1800-1900	Vo Korea (Py)	4405, 13760, 15245
1700-1800	WYFR	21680/UAE (EAf)	1800-1900	Vo Russia	4975/Du (ME)
1700-1900	BBC / DW	5790*/Sk , 9960*/NOR	1800-1900	WYFR	9405/Arm ; 7345/ (ME); 6180/RSA, 7395/MDG, 9770/UAE, 9845/W, 9895/UAE, 11875/ASC, 13830/W (Af)
1700-1900	Vo Nigeria	7255 (Waf), 15120 (+ Naf), 17800# (CAf/SAf)			
1700-1900	SW R Africa	4880/RSA, 12035/Ram (SAf)	1800-2000	R Netherlands	6020/MDG, 15535/W (SAf/EAf)
1700-1900	WHRI Angel 1	17650 Su-Fr, 9495 Sa (Af/CAM)	1800-2000	WHRI Angel 2	9840 (NAm/CAM)
1700-2000	WEWN	15610 (NAf)	1800-2100	CVC Int	11775/W (Af)
1700-2000	WYFR	13690 (NAf)/	1800-2000	IRRS /	7290/SVK Fr-Su (+ME/NAf)
1700-2030	TWR Swaziland	3200 (SAf)		European Gospel R	
1700-2145	WYFR	17795 (NAf/CAM)	1800-2100	R Kuwait	11990 (+NAf)
1700-2200	CVC Int	9420 (Af)			
1700-2300	Vo Russia	12040/M, 12070/M	1800-2145	WYFR	13615 (NAf/CAM)
1700-2400	Ghana BC	4915 (Waf) #	1800-2200	R Liberia	5100# (Af)
1700-2400	WRMI	9955 (NAf)	1800-2200	WBCQ	15420 (NAf)
1700-0600	Christian Voice	4965 (SAf)	1800-2200	WYFR	17845 (Af)
1715-1730	Vatican R	1530, 4005, 7250, 9645 ; 15595 (+Af/As)	1815-1900	Bangladesh Betar	7250
1720-1740	VoA	4930/BOT, 13755/ST, 15775/STP (Zimbabwe)	1830-1900	Bible Voice	9430/W; Fr (ME)
1730-1800	Bible Voice	13590/N; Fr (ME)	1830-1900	Int R Serbia	6100/BIH, 72xx/Beograd#
1730-1800	Bible Voice	9430/W; Su (ME)	1830-1900	R Slovakia	5920, 6055
1730-1800	R Bulgaria	5900, 7400, 9400*	1830-1925	VoTurkey	9785
1730-1800	Sudan R Service	9840/UAE (EAf)	1845-1900	R Congo, Brazzaville	4765#, 5985#; Sa, Su
1730-1800	Vatican R	11625, 13765, 13765 (Af)	1845-1900	R Tirana	7430, 13640 (Mo-Sa)
1730-1800	VoA	6080/STP, 9885/, 15410/, 15580/BOT (Af)	1845-2000	Bible Voice	11830/W; Su (CAf)
1730-1800	Vo Tajik	7245 (CAs)	1851-1950	RNZI	11725, 9890* (Pac)
1730-1930	R Pilipinas	9395, 11720, 15190 (As)			
1745-1800	Bible Voice	13590/N; Sa (ME) 19:00		
1745-1815	Bangladesh Betar (Voice of Islam)	7250 (+ME)	1900-1915	R Congo, Brazzaville	4765, 5985; Mo-Thu #
1745-1945	AIR	7195/Mumbai, 7410/Delhi , 9445/Ban, 9950*/Delhi , 11620/Aligarh , 11935/Mumbai, 13605/Ban, 15075/Delhi, 15155/Aligarh#, 17670/Delhi (Eu/Af)	1900-1928	Vo Vietnam	7280, 9730 (+As)
		6170*, 7285 (Pac)	1900-1930	DW	6150/RRW; 11795/Ram, 13650/CLN, 17860/POR (EAf)
			1900-1945	WYFR	6085 (CAM)
			1900-2000	BBC WS	6155/CYP (ME); 3255/RSA, 6190/RSA, 11810/ASC, 12095/CYP, 17795/Sk (Af) 11810as, 12095cy, 17795 5995/OM (As)
			1900-2000	CRI Beijing	7285/Xi ; 7295/Ur, 9435/Ku (NAf/Waf), 7295/Ur, 9435/Ku (WAs)
..... 18:00			1900-2000	KJES	15385 (NAf)
1800-1815	Bible Voice	11970/W; Sa (ME)	1900-2000	Overcomer Ministries	3975/J
1800-1830	AWR	3215/RSA, 3345/RSA, 9610/RSA; (EAf/SAf)	1900-2000	R Australia	6080/Sh, 7240/Sh, 9500/Sh, 9580/Sh, 9710/Sh, 11880/Sh (As/Pac)
1800-1830	Bible Voice	9430/W, Sa (ME)			
1800-1830	VoA	4930/BOT (Zimbabwe)			

1900-2000	REE	9665 , 11620; Mo-Fr (Af)	2030-2056	R Romania Int.	9765, 11810; 9690 , 11940 (NAm)
1900-2000	R Thailand	7570	2030-2100	R Sweden	7395/MDG
1900-2000	R Ukraine	7490/Kharkiv	2030-2100	Shiokaze	5965/TWN (EAs)
1900-2000	Vo Biafra	12050/Sk, 17520/WHRI (Waf)	2030-2100	Vo Vietnam	7220, 7280 , 9550, 9730 (Af/EAs)
1900-2000	Vo Korea, Py	3560 (EAs), 7100, 11910 (SAf); 9975, 11535 (ME/NAf)	2030-2120	VoTurkey	7205 (As/Aus)
1900-2000	VoA	1530/STP, 4930/BOT, 4940/STP, 6080/BOT, 9885/RSA, 6120/RSA, 15580/BOT, 17895/Ram (Af)	2030-2130	R Habana Cuba	11760, 17660 (Caribbean/NAm)
1900-2000	VoA	7480/CLN, 9780/CLN (As) Special E	2030-2230	KBC, NL	6055/LTH
1900-2000	WBCQ	9330 (NAm)	2030-2400	VoA	1296/Kabul, 7555/KWT (Afghanistan)
1900-2000	WHRI Angel 1	9510 Sa, 15665 Mo-Fr, 17650 Su; (CAm/SAM)	2045-2230	AIR	7195/Mumbai, 7410/Delhi , 9445/Ban, 9950/Aligarh , 11620/Delhi ; 9910/Aligarh, 11715/Panaji (Aus/Pac)
1900-2000	WYFR	18930 ; 7345/ (ME); 3230/RSA, 6020/MDG, 7395/MDG, 9480/W, 9885/UAE, 11885/ASC (Af)	2050-2120	Vatican R	1530, 4005, 5885, 7250
1900-2030	R Cairo	11510 (Waf)	2051-2240	RNZI	13730*, 15720 (Pac/WNAm)
1900-2100	R Netherlands	5905/MDG, 7425/MDG (Af) 21:00		
1900-2100	Vo Nigeria	7255 (Waf), 15120 (+ NAf), 17800# (CAf/SAf)	2100-2130	AWR	11955/OE (Waf)
1900-2200	Channel Africa	3345 (SAf)	2100-2130	Int R Serbia	6100/BIH, 72xx/Beograd#
1900-2200	CVC	5940/Zambia (Waf)	2100-2145	WYFR	13690 (NAm)
1900-2200	NBC Port Moresby	4890 (SEAs)	2100-2200	CRI	558/London, 1440/LUX; 9490/Xi, 7325/Be (Af)
1900-2300	Vo Russia	1215/Kal	2100-2200	BBC WS	3255/RSA, 6005/SEY, 6190/RSA, 7410/RSA, 9915/ASC, 12095/ASC, 15400/ASC (Af)
1900-2400	WBCQ	7415 (NAm)	2100-2200	DW	9735/POR, 11865/RRW, 15205/RRW (Waf)
1900-1100	SIBC	5020v (+Pidgin)	2100-2200	Overcomer Ministries	6175/J;
1905-1915	Vo Croatia	6165	2100-2200	R Australia	9500/Sh, 9660/Br, 11650/Sh, 11660/Sh, 11695/Sh (-2130), 12080/Br, 13630/Sh, 15515/Sh (As/Pac)
1905-1955	SARL	3215/RSA; Sa (SAf)	2100-2200	R Bulgaria	5900, 7400
1925-1945	Vo Armenia	4810, 9960 (As)	2100-2200	RCI	9800* (NAm)
1930-2028	IRIB Tehran	5940/LTH, 6205, 7205, 9800 , 9925 (SAf)	2100-2200	R Damascus	9330, 12085
1930-2015	PAB	6020/W; Sa ; Su-2030 (ME)	2100-2200	REE	9650; Sa/Su
1930-2030	RTE	6225/RSA (Af)	2100-2200	RN Angola	4950, 7217v (SAf)
1945-2015	Bible Voice	11830/J; Mo-Fr (Af)	2100-2200	R Ukraine Int.	7510/Kharkiv
1951-2050	RNZI	9890*, 11725 (Pac/WNAm)	2100-2200	VoA	1530/STP, 6080/STP (AF)
..... 20:00			2100-2200	Vo Korea, Py.	4405 (EAs), 13760, 15245
2000-2030	PAB	6020/W; Fr (ME/Af)	2100-2200	WHRA Angel 5	7520; Su (Af)
2000-2030	R Prague	5930 ; 11600 (SEAs/Pac)	2100-2200	WHRI 2	9690 Su, 15665 Mo-Sa (Am)
2000-2030	R Tirana	7465 (Mo-Sa); 13600 (NAm)	2100-2200	WYFR	7430/K , 9480/W, 15195/ASC (Af)
2000-2030	Vatican R	9755, 11625 (Af)	2100-2300	WHRI 1	11885 (CAm, SAM)
2000-2045	WYFR	17750	2100-2300	WHRA Angel 5	11885 (Af)
2000-2100	BBC WS	3255/RSA, 6005/SEY, 6190/RSA, 9410/SEY, 11810/ASC, 12095/CYP, 13820/Sk, 15400/ASC (Af)	2100-2300	WINB	9265 (CAm)
2000-2100	CBC NQ	9625; Su (NAm)	2100-0100	WWCR 1	7465 (NAm)
2000-2100	CRI Beijing	7415/Kash, 9600/Kash , 7295/Ur, 7315/Ku (-2030), 9440/Ku, 9490/Xi (WAs/WAf/NAf)	2115-2245	R Cairo	6255
2000-2100	DW	6150/RRW, 11795/Ram, 11865/CLN, 13650/CLN (CAf/SAf)	2130-2200	AWR /KSDA	11850/GUM (EAs)
2000-2100	R Australia	6080/Sh Sa/Su, 7240/Sh Sa/Su, 9500/Sh, 11650/Sh, 11660/Sh, 11880/Sh, 12080/Br Sa/Su (As/Pac)	2130-2200	R Prague	9410 (CAf), 11600 (NAm)
2000-2100	RCI	15325/CAN, 17735/CAN (+Af)	2130-2200	R Sweden	1179, 7395/MDG (+Af/ME)
2000-2100	R Netherlands	11610/F (Af)	2130-2200	CBC	9625 Mo-Sa (NAm)
2000-2100	VoA	1530/ST, 4930/BOT, 4940/ST (- 2030), 9885/BOT (-2030)/Ram (2030-, 15895/Ram (AF)	2130-0830	ABC Northern Terr. Shortwave S.	4835/VL8A, 4910/VL8T, 5025/VL8K (Aus)
2000-2100	Vo Indonesia	9525 (alt: 11785) 22:00		
2000-2100	WHRA 5	15665 (Af)	2200-2240	R Japan	13640 (Pac)
2000-2100	WHRI 1	9495 Su, 7520 M-Fr, 15665 Sa (CAm/Af)	2200-2230	HCJB Global	15525/Kun (As)
2000-2100	WHRI 2	15665 (+Am)	2200-2230	KBS World.	3955/Sk
2000-2100	WYFR	11970/UAE ; 6020/MDG, 9480/W, 15195/ASC (Af) 17725 (CAm)	2200-2245	WYFR	15770; 7305 (-2300) (Af)
2000-2130	CRI	5985/Be (-2100); 11640/Mali, 13630/Mali (EAf/WAf)	2200-2250	VoTurkey	9830 (+NAm)
2000-2200	CRI Beijing	5960/ALB, 7285/ALB	2200-2300	BBC WS	6005/RSA, 9915/ASC, 12095/ASC (Af)
2000-2200	R Belarus	1170, 7210, 7255, 7390	2200-2300	R Australia	3915/SNG, 5905/OM, 5965/TH, 6195/SNG, 9440/, 9740/SNG (As/SEAs)
2000-2200	Channel Africa	3345 (SAf)	2200-2300	CBC NQ	9625; Sa/Su (NAm)
2000-2200	WYFR	6240/MOL	2200-2300	CRI Beijing	1440/Lux; 7360/M (Russia) ; 9590/Be (EAs)
2000-2400	WBCQ	7415; Sa (NAm)	2200-2300	R Australia	12010/Dw, 13630/Sh, 15230/Sh, 15240/TWN, 15515/Sh, 17785/Sh, 17795/Sh (As/Pac)
2000-2400	WEWN	15610 (NAm/ME)	2200-2300	R Romania Int.	7440, 9675 ; 9790, 11940 (NAm)
2030-2045	R Thailand	9680			

2200-2300	Vo Russia	9890/Sam (NAm)
2200-2345	WYFR	11740 (NAm)
2200-2400	VoA	5895/PH, 5915/PH, 7460/KWT, 7480/PH, 9415/PH, 11955/PH (EAs, Pac)
2200-2400	Vo Guyana	3290v (SAm)
2200-2400	WBCQ	7415 (NAm)
2200-2400	WYFR	5950, 15440 (NAm)
2200-0100	WYFR	9835/ASC, 11965/GUF (SAm N)
2200-0500	WWRB	5050, 5745, 6890 (NAm/CAM/As)
2200-0415	Caribbean Beacon	6090 (Am)
2200-1100	WWCR 3	5070 (NAm)
2230-2300	AWR /KSDA	15320/GUM (SEAs)
2230-2300	R Prague	7345, 9415 (NAm)
2230-2300	R Sweden	9800/CAN* (NAm)
2230-2330	VoA	9570/TH, 11705/MRA, 15145/PH (SEAs) (Special English)
2230-2400	NBC Port Moresby	9675 (SEAs)
2236-0459	RNZI	13730*, 15720 (WPac)
2245-0045	AIR Delhi	9705/Panaji (SEAs), 11620/Delhi, 11645/Aligarh, 13605/Ban (As)
..... 23:00		
2300-2330	WHRA Angel 5	5850
2300-2345	Vatican R	7370* (Am)
2300-2400	BBC WS	3915/SNG, 5965/TH, 6195/SNG, 9740/SNG, 9580/KOR (2330-), 9885/TH, 11850/SNG, 12010/TH (As)
2300-2400	CBC NQ	9625 (NAm)
2300-2400	CRI	7350/Kash ; 5915/Kash, 7410/Kash, 9610/Ku, (SAs); 11690/Be, 11790/Xi (SEAs); 5990/CUBA (Caribbean), 6145/CAN, 11840/CAN (NAm)
2300-2400	R Australia	9660/Br, 12010/Dw, 12080/Br, 13690/Sh, 15230/Sh, 15240/TWN (-2330), 15415/Sh (2330-), 17750/Sh (2330-), 17785/Sh, 17795/Sh (As/Pac)
2300-2400	R Bulgaria	9500*, 9700, 11700 (NAm)
2300-2400	R Cairo	11590 (Am)
2300-2400	R Habana Cuba	13790 (Am)
2300-2400	VoA	1593/KWT, 5895/PH, 5915/TH, 7480/PH, 9415/PH, 9570/PH, 11955/PH, 13755/TH (As/Pac)
2300-2400	Vo Russia	9665/MOL (CAM/SAm)
2300-2400	WBCQ	5110 (NAm)
2300-2400	WHRI Angel 2	7335; Su (Am)
2300-2400	WHRI Angel 2	5850; Mo-Sa (NAm/CAM)
2300-2400	WHRA Angel 5	9615 (Af)
2300-2400	WWRB	3185 (NAm)
2300-2400	WYFR	15255, 17750 (CAM/SAm)
2300-0100	WHRI 1	7315 (CAM)
2300-0200	Vo Russia	9665/Kam, 9890/Sam (NAm)
2300-0700	WHRI Angel 6	5875 (NAm)
2305-0105	RCI	6100; Mo-Fr -0004 (NAm)
2315-2330	PMR Pridnestrovje	9965; Mo-Fr (+NAm)
2315-2330	Croatian R	3985, 9925/W
2330-2400	VoA	7460/TH, 9570/PH, 13755/TH, 15145/PH, 15340/MRA
2330-2400	Vo Vietnam	9840, 12020 (As)
2330-2400	WHRA Angel 5	5850 ; Su-Fr

Sendezeiten in UTC =**Mitteuropäische Sommerzeit (MESZ) – 2 Stunden**

Time of transmissions in UTC = MEST minus 2 hours

Abkürzungen/Abbreviations:

bei Station/ with name of station:

Int. = International, R = Radio, Vo = Voice of

Location of transmitters with QRG / Senderstandorte bei Frequenz:

ALB = Albania, ANT = Neth. Antilles, ARM = Armavir/ Russia, Ban = Bangalore, Be = Beijing/CHN, BI = Biblis/D, BIH = Bosnia-Herzegovina, BOT = Botswana, Br = Brandon/Aus, BUL = Bulgaria, CAN = Canada, CLN = Sri Lanka, CTR = Costa Rica, CYP = Cyprus, Dw = Darwin/AUS, ERV = Erivan/Armenia, F = Issoudun/France, FIN = Pori/Finland, FL = Florida/USA, Gr = Greenville/USA, GUF = French Guyana, IK = Irkutsk, J = Juelich, Jin = Jinhua/CHN, Kash = Kashghar/CHN, Kom = Komsomolsk /Siberia, KOR = South Korea, Ku = Kunming/ China, Kun = Kununurra/AUS, KWT = Kuwait, LH = Lampertheim/D, LTH = Lithuania, M = Moscow /Taldom, MCO = Monaco, MDG = Talata/Madagascar, Mol = Moldavia/ Kichinew, MRA = Northern Marianas, NOR = Kvitsoy/Norway, Pet = Petropavlovsk/ Kamtschatka, POR = Portugal, Ram = Rampisham/GB, RRW = Ruanda, RSA = Meyerton /South Africa, Sam = Samara, SEY = Seychelles, Sh = Shepparton/AUS, Sk=Skelton/GB, SNG = Singapur, SP = St. Petersburg/RUS, Ser = Serpukhov/RUS, STP = Sao Tomé, SVK = Slovakia, SW = Sweden, SWZ = Swaziland, TH = Nakhon Sawan/Thailand, TJK = Dushanbe/ Tajikistan, TWN = Taiwan, UAE = Al Dhabbaya/ United Arab Emirates, UKR = Ukraine, UR = Urumchi/CHN, UZB = Usbekistan, Vat = Vatican, Vla = Vladivostok; W = Wertachtal/D, Wof = Woofferton/GB, Xi = Xian/CHN, Ya = Yamata /Japan.

Within round brackets target areas as known / In runden Klammern die Zielgebiete, soweit bekannt.

Af = Africa, Am = America, As = Asien, Aus = Australien; Pac = Pacific Region, C = Central, E = East, N = North, S = South, W = West, ME = Middle East

multi = multi language program / auch andere Sprachen

Technical hint with QRG / Technischer Hinweis bei Frequenz:

(*) = Digital Radio broadcast (DRM)

/USB = upper sideband /oberes Seitenband,

/LSB = lower sideband / unteres Seitenband,

(QRG) = alternative frequency / alternative Frequenz /

irr = irregular / nicht regelmäßig

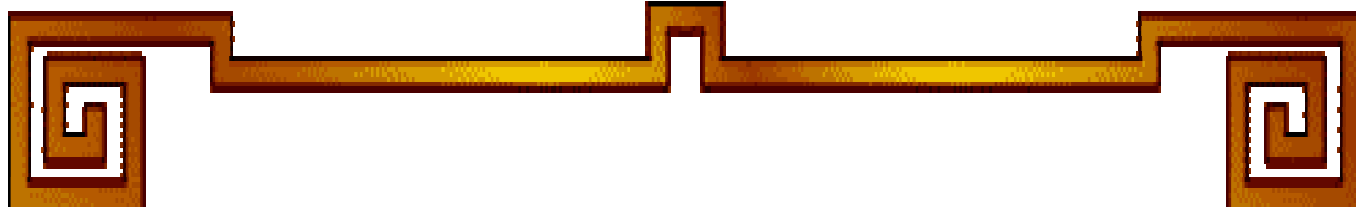
v = variable/variabel,

= mostly difficult to hear, possible transmitter break-down/off / meist schwieriger Empfang, eventuell Senderausfall

= Sender derzeit inaktiv bzw. sind nicht bestätigt in A09 / broadcaster inactiv and / or not verified in A09

Some transmissions may be heard as well outside the target areas.

This listing may be not complete, all statements without any obligations. Changes may occur within short due to interference, propagation etc./ Die Auflistung erhebt keinen Anspruch auf Vollständigkeit, alle Angaben erfolgen ohne Gewähr. Kurzfristig sind Änderungen möglich, um z.B. störenden Stationen auszuweichen, schlechten Ausbreitungsbedingungen usw.

Period A09 will last until October 24th 2008 /**Sendeperiode A09 dauert bis 24. Oktober 2008.****Hints for eventual changes are very welcome to:****Aktuelle Hinweise auf Änderungen sind stets willkommen an:****Walter Eibl,****e-mail: we@wwdxc.de**



DX LOGBOOK

Logs around the clock

by Ashok Kumar Bose, Unit # 28, 7035, Rexwood Road, Mississauga, ON, L4T 4M6, Canada
E-Mail: logbook@wwdxc.de

MEDIUMWAVE BAND

Frequency	UTC	SIO	ITU	Radio Station	Language	Programme Details	Date	Rep.
153.0	0620	555	D	DLR-DLF	German	ID; Rentenbesteuerung	0408	SG
612.0	2150	111	G	Centrepoint,Stratford on Avon	English	Trainees in Sandhurst	2806	MF
657.0	2140	111	G	Centrepoint,Birmingham	English	Your culture	2806	MF
702.0	2130	111	G	GEM-AM,Birmingham	English	Nice cars from BL	2806	MF
747.0	2000	333	HOL	NOS Radios	Dutch	Religious program	1207	MF
774.0	0340	211	G	Classic Premier,Farnborough	English	Policeman	0307	MF
819.0	0400	211	G	Seasight Gold,Bournemouth	English	Sun & Beach	0507	MF
837.0	0530	111	G	Consumer Radio,Cardiff	English	Sea sights of Wales	1107	MF
918.0	2235	111	G	Hit Wales Premier,Wallasey	English	James Coburn is dead	2906	MF
981.0	2050	221	G	Classic Hit Premier,Sandhurst	English	SAS	2806	MF
990.0	0535	322	G	BBC Premier,Dunferm	English	Glasgow Rangers	1107	MF
999.0	0410	211	G	Red Rose,Guildford	English	Michael Jackson's death	2906	MF
1026.0	0405	111	G	Classic Gold,Duxhurst	English	Program	0307	MF
1053.0	0550	111	G	Cornwall Premier,Plymouth	English	Africa Roundtrip ADDX	1107	MF
1071.0	0400	111	G	Classic Premier,Duxhurst	English	News	0307	MF
1080.0	0535	211	G	Classic Premier,Somerset	English	Queen	1107	MF
1089.0	0550	111	G	Christian Premier,Plymouth	English	Northern Ireland Peace	1107	MF
1125.0	0325	111	G	Talk radio,Harrogate	English	Premier News	1407	MF
1134.0	0135	111	G	Farmer Radio,Hull	English	SW aerial & Cancer	1407	MF
1152.0	2100	111	G	Magic,Skelton	English	Amber for sale	1207	MF
1161.0	0000	222	G	Classic Gold,Wick	English	No life for centuries	2906	MF
1170.0	2105	111	G	Classic Premier,Hull	English	No SW aeriels	0107	MF
1179.0	2140	111	G	Skelton Premier	English	Program	1107	MF
1215.0	0600	211	G	Virgin	English	ADDX and more	1107	MF
1224.0	0145	111	G	Harwich Premier	English	Sweet industry	1407	MF
1233.0	0545	111	G	Norfolk Premier,Triningham	English	Norfolk Broads	1107	MF
1242.0	0250	111	G	Talk Radio,Harwich	English	Gold Talk	1407	MF
1269.0	2320	111	G	Classic Gold,Salisbury	English	Stonehenge	2806	MF
1278.0	2330	111	G	Premier Gold,Duxhurst	English	English Castle Garden	2806	MF
1305.0	0410	111	G	Christian Premier,Dunhill	English	Cowboy image	0307	MF
1332.0	2000	211	G	Classic Premier,Bexham	English	Car	2906	MF
1341.0	2040	111	G	Premier,Hit Gold,Shetland	English	Honey care	2906	MF
1377.0	2115	111	G	Classic Premier Hit, Glasgow	English	Glasgow Music Festival	1107	MF
1404.0	0520	111	G	Sunlight,Brighton	English	ADDX	1207	MF
1413.0	2050	111	G	London Turkish Radio	English	Jobs	0107	MF
1449.0	2020	211	G	Classic Premier Hit, Shetland	English	Hits,ID	0107	MF
1476.0	2030	211	G	Classic Premier,Cheltenham	English	Middle class	0107	MF
1503.0	2340	222	G	Classic Gold,Dumfries	English	Greets	2806	MF

1512.0	2000	111	G	Hit Premier Wales,Newport	English	Farmer	2906	MF
1521.0	2350	222	G	Classic Gold,Inverness	English	No life in radiated seas	2806	MF
1566.0	2040	111	G	Gold Sound,Glasgow	English	Classic Suede industry	0107	MF
1584.0	2020	111	G	Tay Gold,Inverness	English	Oil is the devil	2906	MF

SHORTWAVE BANDS

Frequency	UTC	SIO	ITU	Radio Station	Language	Programme Details	Date	Rep.
3955.0	2000	444	G	KBS-WorldRadio	German	ID;NX; Hörerecke, u.a. BD	0108	SG
3965.0	2100	555	F	RTI via Issoudun	German	ID;NX; World Games	0108	SG
5920.0	0800	454	SVK	RSI	German	ID;NX; HBF; DX	0308	SG
5930.0	0605	444	CZE	Radio Prag	French	NX; ID; magazine	0408	SG
5930.0	0630	454	CZE	Radio Prag	German	ID;NX;Sport; Geschichte	1207	SG
5940.0	1730	554	LTU	IRIB via Sitkunai	German	IS,ID,NA,Koran; NX;	1907	SG
5945.0	1530	554	D	Polskie Radio	German	Musikprogramm "Sonne"	1907	SG
5955.0	0610	554	G	RNW via Skelton	Dutch	rpt on automobiles; ID	0408	SG
6005.0	0812	343	D	Radio 700, Kall-K. 1 kW	German	Jingle-ID; Popoldies	1207	SG
6015.0	1730	343	D	HCJB via Wertachtal	German	ID; Für DXer	2507	SG
6035.0	0610	454	D	RNW via Nauen	Dutch	industrial rpt; ID	0408	SG
6055.0	0928	454	D	CSM	German	ID; adr; Bibel	1207	SG
6055.0	2150	454	LTU	Big L International	English	Ids; popoldies; Jingles	1907	SG
6075.0	0615	554	G	DW via Wofferton	German	ID; Fokus Europa	0408	SG
6170.0	0732	553	NZL	Radio New Zealand Intl.,	English	Mailbox	1307	RL
6185.0	1900	444	G	RTI via Skelton	German	ID;NX; Kulturpanorama;	3107	SG
6190.0	0620	554	D	DLR-DLF	German	ID; Rentenbesteuerung	0408	SG
7210.0	1810	443	BLR	Radio Belarus	German	ID; Tourismus	1107	SG
7230.0	0600	454	ROU	RRI	German	IS;ID;ann;NX;WX; cmt	0408	SG
7240.0	0530	454	POR	RDP Internacional	Portug	ID; ann; rpts; Popmusic	0408	SG
7245.0	0910	111	TJK	Voice of Dushanbe	English	Afghan War Household	2806	MF
7255.0	1800	454	BLR	Radio Belarus	German	IS,ID,NX;Hörerklub	1107	SG
7275.0	0600	343	TUN	RTT-Tunis	Arabic	ID; ann; NX; rpts	0408	SG
7285.0	1644	353	NZL	Radio New Zealand Intl.,	English	Mailbox	1307	RL
7290.0	1858	554	SVK	IRRS via RimSobota	English	Popoldie; ID; adr; gospel	1107	SG
7290.0	1944	554	SVK	IRRS via RimSobota	English	ID; DXPL by Alan Graham	1107	SG
7305.0	1530	343	IRN	IRIB	English	IS,ID,ann; Koran; NX	1707	SG
7330.0	1200	444	D	Polskie Radio	English	ID; ann; NX; rpt prizes	1907	SG
7345.0	0630	444	CZE	Radio Prag	German	ID;NX;Sport; Geschichte	1207	SG
7390.0	1820	342	BLR	Radio Belarus	German	ID; Hörerklub // 7210 7255	1107	SG
9420.0	0625	454	GRC	ERT-VoGreece	Greek	ID; rpts	0408	SG
9480.0	0625	554	G	DW via Wofferton	German	Fokus Europa; ID // 6075	0408	SG
9490.0	0628	554	S	Radio Sweden	Swedish	Ids; ann; gong; NX	0408	SG
9490.0	2140	454	CVA	RCI-Relay	French	ID; phone in	1907	SG
9580.0	0044	443	ROU	Radio Romania Intl.,	English	DX Mailbag	1207	RL
9600.0	0530	454	BUL	Radio Bulgarien	German	ID;NX;WX; Grusskonzert	0308	SG
9600.0	0640	454	BUL	Radio Bulgaria	English	ID; DX-corner // 11600	1207	SG
9600.0	1530	242	IRN	IRIB	English	IS,ID,ann; Koran; NX	1707	SG
9700.0	0239	453	BUL	Radio Bulgaria	English	Key word Bulgaria	1407	RL
9730.0	1110	454	RUS	Stimme Russlands	German	NO DRM; Kulturmagazin	1907	SG
9740.0	0600	554	ROU	RRI	German	ID;NX; Fokus; HBF	0308	SG
9785.0	1849	554	TUR	Voice of Turkey	English	ID; DX-corner; HBF	1107	SG
9820.0	0130	453	AUT	Radio Austria Intl.	English	ID and Interval signal	0807	RL

9820.0	0135	453	USA	VOA via Greenville	English	VOA Special English	0807	RL
9855.0	0805	242	ATN	DW-Bonaire	German	NX; Sport; WX; ID	1207	SG
9870.0	0302	553	CZE	Radio Pague	English	Policka Heart of Europe	0807	RL
9880.0	2200	343	D	RFA-Lampertheim	Tibetan	ID in E; ann; rpts	1107	SG
9895.0	0630	454	D	RNW via Nauen	Dutch	ID; Europawetter	0408	SG
9940.0	1730	454	IRN	IRIB	German	IS,ID,NA,Koran; NX	1907	SG
9970.0	1445	454	BEL	RTBF	French	ID; Pop; Tour de France	1707	SG
11550.0	0948	444	UKR	RUI	English	ID; rpt Eurovision song	1207	SG
11590.0	1330	343	KWT	RFA-Kuwait	Tibetan	RFA-music; ID; hp; rpt	1207	SG
11600.0	0530	454	BUL	Radio Bulgaria	German	ID;NX;WX; Grusskonzert	0308	SG
11600.0	0640	554	BUL	Radio Bulgaria	English	ID; DX-corner // 9600	1207	SG
11605.0	1345	344	MRA	RFA-Tinian	Tibetan	rpts Afghanistan; ID	1207	SG
11605.0	1400	131	TWN	RFA-Taiwan	Vietn	ID in E; ann; rpts	1207	SG
11625.0	0635	444	CVA	Radio Vatikan	English	ID; rpt road construction	0408	SG
11680.0	1400	242	CLN	RFA-Iranawila	Vietn	ID in E; ann; rpts	1207	SG
11700.0	2314	553	BUL	Radio Bulgaria	English	Sports Roundup	1307	RL
11750.0	0810	211	MRA	HCJB	English	ID,We are mankind fisher	2806	MF
11775.0	1100	554	ROU	RRI	English	IS,ID,ann;NX,WX; rpts	1907	SG
11810.0	2042	453	ROU	Radio Romania Intl.,	English	World of Culture	1197	RL
11850.0	0645	454	POR	RDP Internacional	Portug	ID; ann; freq; musica	0408	SG
12015.0	1910	444	KRE	Stimme Koreas	German	ID; Südkorea aktuell	1107	SG
12035.0	0640	454	E	REE	Spanish	NX; ID; rpts	0408	SG
12070.0	0645	554	RUS	Radio Rossii	Russian	classic mx; ann; ID	0408	SG
12075.0	2100	444	MRA	RFA-Saipan	Korean	ID in E; ann; rpts	1107	SG
12085.0	1020	211	MNG	Voice of Mongolia	English	North Korean rockets	2806	MF
13620.0	0705	444	IRN	IRIB	Italian	ID; political rpts // 15085	0408	SG
13625.0	1430	554	ALB	Radio Tirana	English	IS,ID,ann;NX;WX; press	1707	SG
13635.0	0710	554	TUR	TRT-Ankara	Turkish	Turkish popmusic; lds	0408	SG
13675.0	0715	343	F	RFI	English	Africa rpts; ID	0408	SG
13685.0	0715	454	F	RFI	Hausa	Africa rpts; ID	0408	SG
13695.0	0715	554	F	RFI	French	press; ID	0408	SG
13710.0	0718	554	ALB	CRI via Cerrik	English	ID; China drive news	0408	SG
13720.0	0720	554	E	REE	Spanish	ID; programa cultura	0408	SG
13730.0	0720	343	AUT	Ö 1 International	German	transgenet. Saatgut; ID	0408	SG
13740.0	2230	132	MRA	RFA-Tinian	Khmer	ID in E; ann; rpts	1107	SG
13750.0	0725	343	IRN	IRIB	French	politics; NX; ID; adr; c/d	0408	SG
13775.0	1525	111	CHN	CRI	English	Chinese economy collapse	2406	MF
13780.0	0725	554	G	DW via Wofferton	German	DDR-Rückblick; ID	0408	SG
13810.0	1850	322	D	Bible Voice	German	Praise	2806	MF
13820.0	1430	454	S	Radio Sweden	English	ID,ann; NX; rpts	1707	SG
13830.0	1300	444	TJK	RFA-Dushanbe	Tibetan	ID in E; ann; rpts	1207	SG
15085.0	0730	454	IRN	IRIB	German	ID; ann; Koran; NX	0408	SG
15085.0	1750	443	IRN	IRIB	German	IS,ID,NA,Koran; NX;	1907	SG
15100.0	1030	242	PAK	Radio Pakistan	VN	ID,ann;NX;rpts;ID;NA c/d	1907	SG
15120.0	0650	443	NIG	VoNigeria	English	ID; phone in; qrm CRI	0408	SG
15145.0	1100	243	CLN	RFA-Iranawila	Lao	Asian music; ID in E; rpts	1207	SG
15150.0	0820	111	INS	Voice of Indonesia	English	TV – Tip	2806	MF
15190.0	0800	111	GNE	Radio Africa	French	No law & order in Sudan	2806	MF
15205.0	2130	343	RRW	DW-Kigali	English	ID; sports: Lucio	1907	SG
15210.0	1100	454	ROU	RRI	English	IS,ID,ann;NX,WX; rpts	1907	SG
15235.0	2130	443	CAN	RCl-Sackville	French	ID; rpts sociale	1907	SG

15245.0	0500	454	CHN	CRI	German	ID;NX; HBF: Kurt Ferner	0308	SG
15255.0	0655	443	AFS	Channel Africa	English	ID; top stories; mx; c/d	0408	SG
15295.0	0825	111	MLA	Voice of Malaysia	English	S Pacific Waether Report	2806	MF
15300.0	0745	554	F	RFI	French	ID; political rpts	0408	SG
15320.0	2230	243	GUM	KSDA-Agat	English	ID;Wavescan-DX-program	1907	SG
15330.0	2140	343	CAN	RCI-Sackville	French	ID; rpts sociale	1907	SG
15375.0	1100	242	UAE	RFA-Dhabbaya	Tibetan	ID in E; ann; rpts	1207	SG
15400.0	0740	444	ASC	BBC-Relay	English	ID; phone-in rpts	0408	SG
15415.0	0940	111	AUS	Radio Australia	English	Whales in Australian coast	2806	MF
15430.0	0730	444	IRN	IRIB	German	ID; ann; Koran; NX	0408	SG
15430.0	1115	454	ROU	RRI	English	IS,ID,ann;NX,WX; rpts	1907	SG
15460.0	1000	333	D	RFA-Lampertheim	Tibetan	ID in E; ann; rpts	1207	SG
15605.0	0700	554	G	DW via Wofferton	German	ID; TA; NX	0408	SG
15700.0	1030	444	BUL	Radio Bulgarian	German	IS; ID; NX; WX; rpt	1207	SG
15720.0	0329	453	NZL	Radio New Zealand Intl.	English	Mailbox	1407	RL
17510.0	0600	342	TJK	RFA-Dushanbe	Tibetan	Asian music; ID in E; rpts	1207	SG
17570.0	0800	343	AFS	Channel Africa	English	ID; DX - Amateur Radio	1207	SG
17730.0	1115	454	ROU	RRI	English	IS,ID,ann;NX,WX; rpts	1907	SG
17750.0	1000	231	KWT	RFA-Kuwait	Tibetan	blocked by CNR	1207	SG
17800.0	1200	243	F	RFI	English	ID; ann; rpts Taliban	1907	SG
17835.0	1030	343	PAK	Radio Pakistan	VN	ID,ann;NX;rpts;ID;NA c/d	1907	SG

Thanks a lot to our club members for your contributions:

BB : Bruce Barker, Broomall, PA, USA. NRD 535D with longwire.

MF : Michael Frese, Osnabrueck, Germany. Grundig Yatchboy 400 with telescopic aerial.

RAD : Richard A.D'Angelo, Wyomissing, PA, USA. Ten-Tec RX-340, Drake R-8B, Eton E1, Lowe HF-150 with Alpha Delta DX Sloper, Datong FL3.

RL : Richard Lemke, St. Albert, Alberta, Canada. JRC NRD-535 HF random longwire antennas.

SG : Siegbert Gerhard, Frankfurt, Germany. Yaesu FRG 7700 & 2 x 10m Longband and Multiband Dipole via FRT 7700.

Here are the loggings from Bruce Barker of Bromall, Pennsylvania, USA:

4845 MAURITANIA R. Mauritanie 7/20/09 0715-0725 Om talking in Arabic. But it doesn't matter much because modulation is so poor. The signal goes from severely over-modulated to grossly under-modulated, so much so that the audio could barely be heard. Copy impossible. And this comes after Nouakchott returned to 4845 with a brilliant signal.

4845 MAURITANIA R, Mauritanie 7/15/09 0655-0715 Two Om chanting in Arabic. At 0657 switched to just one Om talking, not chanting, in AA leading to a canned station ID and jingle at 0700. This was followed by another Om talking in AA, almost in a whisper because his voice was so soft or weak. Codar made an appearance at 0708, but it didn't matter much because this was such a strong signal. In fact it was the strongest, most clear transmission I've heard out of Nouakchott in many, many months.

5910 COLOMBIA Marfil Estereo 7/16/09 0715-0740 Pleasant Spanish pops, with ballads and lively tunes well-mixed. Plenty of Marfil Estero ID's by an Om in SS. At 0724 the dj began a block of uninterrupted music, lasting at least until tune-out at 0740.

5995 MALI RTV du Mali 7/20/09 0645-0705 Tuned in to what appeared to be a short radio skit, with several Om's and YI's speaking in vernacular. Play ended at 0653 with music up and under while YI spoke in Vernacular. Then a long dead air pause until 0655 when bright tribal music was played. YI was back at 0659 speaking until 0700 when a French-language jingle came on as the station ID. Then into News by Om in FF. Much more lively and tighter format than usual for Radio Mali at this time of day.

6170 NEW ZEALAND Radio New Zealand International 7/16/09 0800-0835 "Radio New Zealand News at Eight" sufficed for an ID because there was none at ToH. After the news the program 'Music from the Pacific' came on, featuring some great island tunes, mostly uptempo songs with lots of drums and other percussion instruments. At 0715 a standard RNZI ID was given in English while it was repeated in French at 0723. There was regional news at 0830 followed by 'Dateline Pacific' at 0835. Signal was fair to good.

9635 MALI RTV du Mali 7/14/09 *0800-0840 Interval signal at ToH with drums and flutes then Radio Mali ID by YI in French. YI began talking in a vernacular, which continued until 0825. Tribal music with drums and whistles and flutes until 0830. YI began speaking in vernacular. Not the usual mixture of splendid indigenous music frequently heard this time of day. Signal was fair. No sign of Radio Mali on 5995 before the switch to 9635 at 0800. Nothing either on 7285 (sometimes used).

Here are the loggings from Richard A. D'Angelo of Wyomissing, Pennsylvania, USA:

- 3220 ECUADOR, HCJB, 1014-1027 Jul 23, mix of soft instrumental music and choir vocals hosted by a man announcer in local language. Poor signal but fading fast.
- 3250 HONDURAS, Radio Luz y Vida, 0349-0354* Jul 7, man announcer with religious talk in Spanish followed by music until signal gone. Presumed sign off lost in growing noise levels. Poor.
- 3340 HONDURAS, Radio Misiones Internacional, 0357-0421 Jul 7, program of inspirational music/vocals with a man announcer in Spanish at 0409 with canned ID and announcements over music. Poor to fair.
- 3350 COSTA RICA, Radio Exterior de Espana via Cariari de Pococi, 0418-0437 Jul 21, woman announcer with Spanish talk with short interviews and features with remote reports and brief music segments. At 0429 end of program, ID followed by vocal selection. Time pips in background at 0430 during song. Fair.
- 3985.1 CROATIA, Voice of Croatia, 0251-0312 Jul 9, program of continuous local vocals to 0300 2+1 time pips followed by ID, music fanfare and a woman announcer with news in Croatian. News ended at 0305 followed by a man talking but the noise level began building at this point.
- 4750 SUDAN, Radio Peace (presumed), 0342-0406 Jul 22, musical selection by a group followed by a man announcer seemingly preaching in a middle eastern language (Arabic?). Continuous, no break at the top of the hour. Poor at best and slowly fading.
- 4770 NIGERIA, Radio Nigeria, 0533-0550 Aug 8, noted with hip-hop vocals hosted by a man announcer with English talk, mentions of Nigeria, more pop vocals, an ID at 0544. While the music was at fair to good levels the talk/voice modulation was very weak.
- 4775 SWAZILAND, Trans World Radio – Manzini, 0416-0437 Jul 22, man preaching in German language, choir vocals, woman announcer with ID and end of program at 0428. Man with ID before change to English at 0430. Poor.
- 4780 DJIBOUTI, Radiodiffusion TV du Djibouti, 0304-0337 Jul 4, man with recitation from Qu'ran followed by another man with Arabic talk and Horn of Africa vocals. ID at 0331 followed by news. Fair with slight CODAR QRM at tune in but much weaker by tune out.
- 4780 DJIBOUTI, Radiodiffusion du Djibouti, *0300-0342 Aug 8, into Qur'an recitation followed by a man announcer with a long talk in Arabic. ID at 0330 followed by news. Fair but growling noise slowly building and over taking station by tune out.
- 4905 BRAZIL, Radio Anhanguera, 0205-0304 Aug 6, romantic vocals, woman announcer with Portuguese announcements. A man announcer with ID and closedown announcements followed by music until the carrier was cut. Fair with some CODAR QRM.
- 4985 BRAZIL, Radio Brasil Central, 0307-0410 Aug 6, non-stop Portuguese talk by a man with ID and announcements at 0319 followed by more rapid talk (appeared to be religious discussion). Music segment at 0329 followed by canned ID and frequency announcement. Choir vocals followed by another religious talk. Poor.
- 5010 MADAGASCAR, Radio Madagasikara, 0327-0353 Jul 15, vocals with man announcer giving ID followed by music fanfare and news in Malagasy at 0330. Return to music programming at 0346. Poor to fair.
- 5980 ETHIOPIA, Voice of Tigray Revolution, *0256-0312 Jul 8, familiar IS followed by opening ID and announcements by a man in Amharic at 0300. Fair but quickly deteriorating this night. No sign of //5950.
- 5990 SLOVAKIA, IRRS via Rimavska-Sobota, *0430-0447 Jul 1, musical fanfare opening followed by English language religious program featuring long talks and choir vocals. Poor to fair signal.
- 5995 MALI, Radiodiffusion du Mailienne, 2326-2359* Aug 7, nice program of highlife vocals hosted by a woman with "Radio Mali" ID at 2329 before turning program to a man announcer with French talks and TC at 2335. After highlife vocals went into orchestra national anthem without closedown announcements. Poor to fair.
- 6005 SOUTH AFRICA, BBC via Meyerton, 2212-2235 Jul 22, World Service ID followed by a man with news items, remote reports and interviews. Fair to good signal but fluttery.
- 6055 LITHUANIA, The Mighty KBC, 2152-2230* Jul 22, rock music program, ID and website announcement in English by a woman announcer; return with Wolfman Jack hosting oldies. Poor to fair but steadily improving.
- 6105 GERMANY, Radio Free Europe / Radio Liberty via Lampertheim, 0420-0442 Jul 20, talk in unidentified language. Man announcer with English ID at 0426 followed by more talk features. Fair.

- 6110 LITHUANIA, The Mighty KBC via Sitkunai, 0244-0258* Aug 9, several IDs in pop music program hosted by a man and a woman with English banter, reading listeners e-mails, Good signal.
- 6110 ETHIOPIA, Radio Fana, *0258-0315 Aug 9, IS noted after The Mighty KBC signed off with a female giving ID at 0301 followed by music fanfare and a man with news in Amharic. Into Horn of Africa vocals from 0308. Poor.
- 6165 CHAD, Radio Chad, *0428-0446 Jun 24, IS followed by orchestra National Anthem and a man announcer with ID and sign on announcements in French. A program of highlife music and vocals was hosted by a man announcer. Fair.
- 6170 NEW ZEALAND, Radio New Zealand International, 0812-0902 Jun 27, pop music request program hosted by a man announcer in English with TCs. 5+1 time pips at 0900 followed by ID and news. Good signal.
- 6300 CLANDESTINE, Radio Nacional de la RASD, 2157-2209 Jul 22, music until 5+1 time pips at 2200 followed by a man with ID and a woman announcer with news in Arabic. Fair.
- 7110 ETHIOPIA, Radio Ethiopia, 0328-0345 Jul 8, man with Horn of Africa vocal. Brief instrumental music at 0330 followed by a man announcer with ID and news in Amharic. Good signal with //9704.2 fair.
- 7175 ERITREA, Voice of the Broad Masses of Eritrea, 0425-0440 Aug 7 and *0354-0403 Aug 8, IS with man and woman alternating with ID followed by ID and opening announcements at 0359 on Aug 8. Previous day noted with Horn of Africa music and Tigrinya announcements by a man. Fair to good both days.
- 7200 SUDAN, Radio Omdurman, 0406-0431* Jul 16, two men with news in Arabic followed by discussion program at 0410. ID at 0430 followed by beginning of another feature before plug pulled in mid-sentence. Fair to good signal.
- 7200 SUDAN, Radio Sudan, 0404-0428* Aug 8, tuned in to man announcer in Arabic with news with mentions of Sudan, Zimbabwe, Iraq and Nairobi. Good signal until signal cut mid-sentence.
- 7440 UKRAINE, Radio Ukraine International, *2358-0021 Jun 26, light instrumental music to ToH when IS was played three times. A woman announcer opened English program with ID, program previews and the news. Several IDs during broadcast followed by program Ukraine Today and Close Up. Good signal.
- 9559.7 CLANDESTINE (Eritrea), Voice of Peace and Democracy via Ethiopia, 0412-0425 Jul 17, talk by two men in presumed Tigrinya language. Poor and also poor on //7165.
- 9575 MOROCCO (Spanish), Radio Medi Un, 0312-0422 Jul 9, program of continuous Middle Eastern vocals before a "live" audience. ID at 0400 by a woman announcer followed by a man with news in Arabic. Fair but beginning to deteriorate after the news.
- 9805 FRANCE, Radio France International – Issoudun, 0416-0430* Jul 1, English program with short news features (Lance Armstrong competing in Tour de France, Zimbabwe) and TCs. At 0428 brief summary of headlines followed by ID and closedown announcements. Carrier cut. Fair signal but noisy and deep fades.
- 9870 INDIA, All India Radio – Bengalura, 0043-0110 Jun 26, the Vividh Bharati Service with local vocals and flute music hosted by a man announcer with Hindi talk. Good signal.
- 11665 CHILE, CVC La Voz, *2258-2324 Jun 30, open carrier followed by sudden on with a man in Spanish reading the news at 2259. Sports followed by rock/religious vocals. Fast paced programming designed for a youthful audience with numerous IDs. Good signal.
- 13840 CLANDESTINE (Sudan), Radio Dabanga via Madagascar, 0440-0503 Jun 26, man announcer with Arabic talk including remote reports from other men in the field with mentions of Darfur and Sudan throughout. Some short instrumental music segments between features. Fair.

Dear Friends,

Welcome to the August / September double edition of Logbook.

After a relatively mild summer we are now seeing some hot and humid days at my location.

Till next month,

Ashok Kumar Bose

NRC Shortwave Station CHU Time Service

National Research Council Canada – Conseil national de recherches Canada

Time accuracy superior to telephone time accuracy is available throughout Canada and in many other parts of the world by means of NRC's radio time signals broadcast continuously from short wave radio station CHU. If corrections are made for the propagation delay from CHU to the user, and for delays in the user's receiver, an accuracy of better than 1 ms can be obtained. Signal availability at a user's location depends on ionospheric conditions. CHU also broadcasts a time code which can be decoded with common computers and modems.

The frequencies in use are: **3330, 7850** (ex 7335, which was used nearly 70 years up to December 31, 2008), and **14 670 kHz**. The transmission mode, upper single sideband with carrier re-inserted, provides time signal service without requiring a special SSB radio, and also provides three standard frequencies. The frequencies are derived from one of a trio of closely synchronized atomic clocks located at the transmitter site. Three clocks are employed to permit majority logic checking. CHU time signals are also derived from these clocks. The clocks at the CHU transmitter site, about 20 km from NRC's time laboratory, are compared daily with the NRC primary cesium clocks.

Normally CHU's emission times are accurate to 10⁻⁴ s, with carrier frequency accuracy of 5x10⁻¹², compared to NRC's primary clocks, which are usually within 10 microseconds and 1x10⁻¹³ compared to UTC. UTC is the international official time reference. It is constructed by the Bureau International des Poids et Mesures (BIPM), based on the average of laboratory and commercial atomic clocks located in laboratories around the world. It is steered in frequency using the primary cesium standards (such as those at NRC) located at some of the major time laboratories. UTC loosely follows the irregularities of the astronomical time scale UT1, which is needed in astronomical observations and in celestial navigation. Since 1972, leap seconds have been used to keep UTC within 0.9 s of UT1. The difference [UT1- UTC] is called DUT1, and this fraction of a second [-0.8 s to +0.8 s] is broadcast by means of an internationally accepted code. To decode the size of DUT1, in tenths of a second, a user counts the number of emphasized seconds markers in one minute. For CHU, the emphasized seconds pulses are split, so that a double tone is heard. When the emphasis is on seconds 1 through 8, DUT1 is positive; and when DUT1 is negative, seconds 9 through 16 are used.

The first minute of each hour commences with a full 1 s pulse of 1000 Hz tone, followed by 9 s of silence, and then the normal pattern of 0.3 s pulses of 1000 Hz at one-second intervals. The normal pattern for each of the next 59 minutes starts with a 0.5 s 1000 Hz pulse, followed by the DUT1 code employing split 0.3 s pulses where required, and normal 0.3 s pulses up to and including that at 28 seconds. The pulse at 29 seconds is omitted. Following the normal pulse at 30 seconds, for a 9 s period, 1000 Hz pulses of 0.01 s occur, each followed by the CHU FSK digital time code described in CHU Broadcast Codes. The pulses between 40 and 50 seconds are of normal length. In the final 10 s period of each minute a bilingual station identification and time announcement is made, with the 1000 Hz seconds pulses shortened to "ticks". Each minute's announced time refers to the beginning of the pulse which follows. Since April 1, 1990, the announced time is always UTC.

The CHU station is located 15 km southwest of Ottawa at 45° 17' 47" N, 75° 45' 22" W. Main transmitter powers are 3 kW at 3330 and 14 670 kHz, and 10 kW at 7335 kHz. Individual vertical antennas are used for each frequency. The electronics systems feeding the transmitters are duplicated for reliability, and have both battery and generator protection. The generator can also supply the transmitters. The anns are made by a talking clock using digitally recorded voices.

Historical Information

Radio station CHU is operated by the Institute for National Measurement Standards at the National Research Council of Canada.

The call letters CHU were first used for Canadian time transmission in 1938, on the modern frequencies, 3330 KHz, 7335 KHz and 14670 KHz. Before that the call letters of essentially the same

transmissions were VE9OB. The carrier frequency has been the specified standard since 1934; before that the quartz oscillators had been tuned to standard wavelengths. Continuous transmissions at a wavelength of 20.4 m had started in 1933, joining the 40.8 m and 90 m transmissions, which began in 1929 (daytime only). Daily transmission on a wavelength of 52.5 m had begun in 1928 under the call letters 9CC (later VE9CC), but ceased with the startup of 40.8 m operation. 9CC had started experimental time transmission in 1923 on 275 m, and license 3AF had operated in 1922. Thus there is quite a range of possible dates to assign to the establishment of CHU; we lean towards 1929 as being the start of daily time transmissions at essentially the modern frequencies. Of course there has been quite a change in equipment and accuracy over the years, but the largest improvement was with the change to cesium atomic clocks in 1967. In 1970 the responsibility of operating CHU was transferred from the astronomers at the Dominion Observatory, to the physicists at the National Research Council.

Since 1970, the National Research Council has been charged with maintaining official time for Canada. The short wave radio station CHU is one, but only one of the ways that official time is disseminated across Canada.

Following internationally accepted recommendations, Canada and other countries have official time scales in agreement within $10\mu\text{s}$. Since CHU's transmissions are well within $100\mu\text{s}$ of official Canadian time, for all distant users of CHU, the dominant source of time error comes from the radio wave path reflecting off the ionosphere as the radio signal travels from the transmitter (in Ottawa, Ontario, Canada) to the user. The time delay is $3.3\mu\text{s}$ per km of path, and generally varies by less than 1ms, due to uncertainties in path including the uncertainty in the number of skips made by the radio wave (reflections down from the ionosphere and back up from the surface of the Earth). For a fixed receiver when the number of skips does not change, the variation in the path delay will usually be less than $100\mu\text{s}$. A small additional delay comes from the radio receiver, and may be significant.

Before April 1, 1990, CHU's time announcements were given as Eastern Standard Time. Since that time CHU's time announcements have been given as Coordinated Universal Time (UTC). The change from EST to UTC was done to remain in the spirit of the recommendations of the International Consultative Committee on Radio: 'that the standard time broadcasts on standard frequencies be given in UTC'. In a narrow sense, since CHU does not broadcast on the frequencies allocated for frequency standards, one might argue that these recommendations do not necessarily apply to CHU. However, since CHU is received across Canada's six time zones and around the world, we made the change when it became possible technically to change from EST to UTC without difficulty. The warble tone at seconds 31 to 39 allow any computer with a Bell 103 compatible 300 bps modem to receive and decode an accurate source of time. The details on the CHU broadcast code can be found here.

Reception reports from around the world are gladly accepted from listeners. We will respond with a QSL card. Please send reception reports to:

Radio Station CHU
National Research Council
of Canada
1200 Montreal Road, Bldg M-36
Ottawa, Ontario, Canada K1A 0R6

Or by e-mail to:

radio.chu@nrc-cnrc.gc.ca



(Siegbert Gerhard, Frankfurt am Main, Germany, according to information from CHU, Canada)

Radio Broadcasting in New Guinea – Early Wireless Stations

by Dr. Adrian Peterson, USA, Historian, Adventist World Radio

The island of New Guinea, located north of Australia, is considered to be the second largest island in the world, with only Greenland larger. New Guinea is about 1500 miles long with an area of a little over 1/3rd million square miles, much of which is not yet totally explored. The shape of the island, according to many people who live there, is like one of their national birds, the Bird of Paradise. It is a very rugged island with high snow covered mountains in the interior, deep forested valleys, and low lying jungles along the coastal areas that are hot and humid.

The total population of the entire island of New Guinea is around nine million people, most of whom are Melanesian and Palauan whose ancestors migrated in pre-historic eras from South East Asia. In addition, there are several minorities whose ancestry is European, Asian, Indonesian or Australian. The peoples of eastern New Guinea speak more than eight hundred and fifty languages with three nationally recognized languages; English, Tok Pisin, and Hiri Motu. On the western side, there are more than three hundred languages, with Indonesian as the government language.



Map of Papua New Guinea - Source: Wikipedia

History tells us that the first European to visit the island of New Guinea was the Portuguese governor of the nearby Molucca Islands, Jorge de Meneses, and this was in the year 1526. He named the island “Papua”, a Malay word meaning “frizzy hair”. However, twenty one years later, a Spanish explorer, Ynigo Ortiz de Retez, visited the island and he named it New Guinea, due to the similarity to the people he had seen in the country of Guinea in Africa.

The first European settlement was established by the English at Fort Coronation at Doreri Bay in 1793, but it was abandoned two years later as untenable due to the poor export quality of the local produce. This settlement was located near the top of the head of the Bird of Paradise map, at Manokwari in what is now Irian Jaya.

Following the introduction of European settlements in several locations around the island, the three major powers in the area, Holland, England and Germany, agreed to partition the island; the western half to Holland, the north eastern quadrant to Germany, and the south eastern quadrant to England.

However, at one stage, the Australian colony of Queensland laid claim to the south eastern quadrant of New Guinea, and after the Australian colonies were federated into one country, England passed on to Australia the administration of its territory in this bird shaped island. Then, after the end of World War 1, the League of Nations granted the German territory, North East New Guinea, as a mandate under the Australian administration.

During the Pacific War, Japanese forces landed on the north east coast of New Guinea in mid 1942, and three months later their overland forces came within just thirty two miles of Port Moresby itself. It was claimed that they could see the lights of Port Moresby from their mountainous viewpoints. A year or two later, American and Australian forces reversed the situation and reclaimed this strategic island.

After the Pacific War was concluded, the two eastern territories on the island of New Guinea were combined under the Australian administration as Papua New Guinea. In 1973, Papua New Guinea was granted self-government for its internal affairs; and on September 16, 1975, Papua New Guinea was granted complete independence.

When Indonesia assumed independence in 1949, it laid claim to the western half of New Guinea; and ultimately, it became a province within Indonesia as Irian Jaya, though these days, the entire territory is now administered apparently as two provinces, Papua and Papua Barat.

The very first attempt at wireless communication in New Guinea took place in Port Moresby in March 1911. The Australian born Catholic priest, Father Archibald Shaw, had joined a search party that went to Port Moresby looking for a group of lost Australian officials. He brought with him some electrical equipment manufactured in his own factory in the Sydney suburb of Randwick. He installed this equipment temporarily at Paga Hill, Port Moresby, and tried unsuccessfully to contact a wireless station on Thursday Island.

In the era before and during World War 1, a total of four different permanent wireless stations were established in the mainland territory of Papua New Guinea, though the advent of wireless in the Dutch side of the island was not implemented until after the conclusion of the European conflict. These very early wireless stations were located at Port Moresby, Aitape, Madang and Morobe. The equipment for these stations was assembled in Australia, using a mixture of Telefunken apparatus imported from Germany, items of electrical apparatus manufactured in Sydney by AWA, together with some additional items from the Randwick factory of Father Shaw. All of them at this stage were spark wireless stations which we would describe these days as being electrical transmitters, rather than electronic.

The first of these new permanent stations was installed on the edge of Port Moresby, Papua. It was a 5 kW Telefunken transmitter and the receiver was a simple crystal set. It should be remembered that all of the spark transmitters anywhere in the world at this stage were operating only in Morse Code.

The Port Moresby station, VIG, was installed and operated by Sydney based AWA and it was intended to be a gathering point for news, information and messages from other stations in the New Guinea area for onward relay to the AWA station located at Pennant Hills, near Sydney in Australia. Station VIG was also intended for use in communication with nearby shipping approaching or departing the harbor at Port Moresby. Station VIG Port Moresby was officially taken into service on February 26, 1913.

Photographs of the Port Moresby wireless station taken on the opening day of the European Conflict in August 1914, show two buildings, both about the same size. Perhaps one housed the technical equipment and the other was for use by staff personnel. The station was located in an isolated area beyond the edge of Port Moresby; and the aerial mast was a little under one hundred feet high.

The second wireless station installed on the New Guinea mainland was VZX Aitape, and this unit was installed in 1914. The station was located on a flat area in between a muddy river and the ocean beach; and the town itself was built on a rocky headland overlooking two islands in the bay. Aitape town is situated on the north coast of New Guinea a little over a hundred miles from the Dutch/Indonesian border of Irian Jaya. At the time when the station was installed, there were some seventy five foreigners in the town of Aitape, mostly Dutch or German.

Station VZX was built to enable the local administration to communicate with government headquarters in Rabaul, and initially the Morse Code messages were relayed to Rabaul via an intermediate Morse Code station on Manus Island.

The third wireless station installed in New Guinea was located at Madang, under the callsign VIV. By this time, World War 1 in Europe was well underway and the Australian government moved quickly for the installation of this facility.

Madang was settled originally by people from Germany in the year 1884. The town is located on a peninsula overlooking a beautiful harbor on each side and it was finally ridded of deadly malaria mosquitoes twenty years later. The wireless station, VIV, was quickly installed by AWA for the Australian government in 1916.

The fourth wireless station installed in mainland New Guinea during this very early era of wireless communication was station VZK at Morobe. The town of Morobe was originally named by the German settlers as Adolphafen and it was located a little south along the coast from Lae. Station VZK Morobe also came into service during the year 1916.

Each of the three smaller regional wireless stations in mainland New Guinea was described as having a normal coverage range of two hundred miles, whereas the main station at Port Moresby had a range of five hundred miles.

(Note: This story was broadcast on March 29 2009 in the DX program "Wavescan" over Adventist World Radio Asia)

BBG Should Enhance Shortwave, Not Replace It by George Woodard 'Consumed by New Technologies', it should improve shortwave, not replace with the Internet

The author is a former vice president of engineering at Radio Free Europe/Radio Liberty and director of engineering of the International Broadcasting Bureau. He is now retired.

It used to be, until about 1994, that shortwave was both the preferred and generally accepted medium to reach mass audiences across international borders. The end of the Cold War and the collapse of Soviet-style communism circa 1990 caused a natural (and correct) rethinking of what the medium, or mediums, of the future for IB should be.

U.S. government broadcasters such as Radio Free Europe/Radio Liberty and the Voice of America, who, of the U.S. broadcasters, were involved in the winning of the Cold War (from an IB perspective), looked immediately for fresh and effective ways to reach new, changing and expanding audiences.



George Woodard

RFE/RL and VOA began a highly successful campaign to launch local AM and FM former Soviet and Eastern Europe "affiliate" stations to carry their respective programs.

In the early days of this endeavor most RFE/RL/VOA and BIB/BBG members and staff realized that, due to the history of conflict between western and Soviet societies, the so-called "affiliates" could always "pull the plug" on the arrangement.

As time went on, however, the ensuing euphoria over having local AM and FM outlets in countries where RFE/RL and VOA were once banned seemed to some BBG members and staff to dim the possibility of ever having the "plug pulled."

Trigger-happy

The "pull-the-plug" reality, however, may be beginning to sink in to some current BBG members as they see what is happening in places like Azerbaijan, Belarus, Ukraine, Russia, Georgia, Uzbekistan, Kazakhstan and many others, not to mention Afghanistan, Iraq and most countries in the Middle East - some of whom profess to be our friends yet are reluctant to allow us access to their radio stations, even for a fee.

In addition to local affiliate placement, there also is a new and renewed interest by many past and present BBG members in satellite radio (and television, as well) and Internet audio and video streaming.

These developments and pursuits are appropriate, though too often they are accompanied by an unthinking euphoria in the BBG that, instead of making the IB picture clearer, actually clouds the scene.

Further exacerbating the situation is the U.S. government's Broadcasting Board of Governors.

The board is made up of well-intentioned, patriotic and highly successful individuals from the private sector. However its experience in international public matters, foreign policy and diverse cultures at the level of the common citizen was - in my experience and to put it kindly - somewhat limited.

My tenure with the BBG was from about 1994 to 2000, and my experience was that instead of listening to experts who have devoted all or most of their lives to IB matters, the BBG instead were consumed with its own brilliance, and self and group importance. I have no direct experience with the current BBG who, except for one member, are all new to me. But I see nothing to make me think this has changed since I retired.

It was not always that way. The predecessor to the BBG was the Board for International Broadcasting. The BIB I was familiar with was made up of such luminaries as James Buckley, Malcolm S. (Steve) Forbes, Michael Nowak, James Michener, Ben Wattenberg, Lane Kirkland and others who, despite their proven and recognized expertise, actually listened to the many and varied disciplines of IB experts before making up their minds on a topic.

The BBG has been consumed by new technologies such as the Internet, satellite and local AM and FM placement almost since its beginning in about 1995.

For example, a big "to do" was recently reported in several media outlets about Internet Denial of Service (DoS) of RFE/RL Internet broadcasts to Belarus. The media did not mention, however, that prior to these DoS attacks, RFE/RL was averaging very few page views per day on its Belarus Web page - a pittance by normal Internet standards, "in the noise" compared to historical shortwave audience numbers.

Yes, the Internet is a technology of the future and also the present. Its potential is almost unimaginable and growing every day. Every news broadcasting organization in the United States - ABC, CBS, CNN, Fox, NBC, local AM/FM/TV stations - have remarkable Web pages to enhance and expand their core delivery medium.

Enhance and expand, not replace. Yet the BBG wants to use mostly the Internet to replace its historical radio medium: shortwave.

I have a former colleague whose son is serving in Iraq. The son wrote his father an e-mail saying that one of his military colleagues recently asked him, "Where is the VOA? All we hear anymore is the BBC." That whole story is more complex, but the question does deserve an answer.

The BBG often uses the cost argument against shortwave: "The Internet is more cost-effective, and further, the Internet is where the competition is."

That logic is flawed.

Comparing apples to apples, the Internet is actually less cost-effective at present.

One million real-time listeners, small by shortwave standards, entail very high cost bandwidth requirements on the Internet. The competition, by start-up bloggers for example, could not possibly afford being on shortwave radio. The business example should be: "Go where your competition can not follow."

The U.S. government can afford shortwave radio.

For example

Let me close with a story that elaborates the BBG's past closed mentality. (I am referring only to known past group mentality from my own personal experience, though there is no evidence that leads me to believe the current crop is any better.)

During the 1998/99 Yugoslavia war, I was DE of the IBB. The State Department asked the BBG to put VOA on the air on FM into Belgrade. The closest we could get to Belgrade was about 120 miles, from the hills/mountains of either Bosnia or Romania.

I tried as best I could to explain to both the BBG as well as "State" that 120 miles was a long distance for FM, and that whatever little signal would reach Belgrade could be easily jammed by a 100 watt or less transmitter and simple antenna from a tall building in the center of Belgrade.

Neither the BBG nor State listened to my argument. They said that young people in Yugoslavia listened only to FM. Where they got this information was never explained.

We proceeded to put 5 kW FM transmitters on the air (with 13 dBi gain Yagi antennas) from the mountains in both Bosnia and Romania, with the antennas pointed to Belgrade. The whole operation took less than six weeks due to some dedicated and inspired work by several IBB employees, indeed the entire IBB organization.

In the end, the signals were effectively jammed by low-power transmitters near the center of Belgrade. Shortwave, and later a high-power medium-wave signal from Hungary, got through.

As the Don McLean song about Vincent van Gogh goes, "They did not listen, they're not listening still, perhaps they never will."

(Radio World Newspaper - RW Online, via Alokesh Gupta, New Delhi, India)

RADIO FREE ASIA'S THIRD RADIO PIONEER QSL CARD in JULY 2009

Radio Free Asia announces the release of the third QSL card in its Radio Pioneer series. The card honors Serbian-born American physicist, Nikola Tesla. Tesla was a pioneer in many fields. The Tesla coil, which he invented in 1891, is widely used today in electronic equipment. Nikola Tesla patented the basic system of radio in 1896. Tesla's schematic diagrams describing the basic elements of a radio transmitter were later used by Marconi. In 1896 Tesla constructed an instrument to receive radio waves. He experimented with this device and transmitted radio waves from his New York laboratory. The radio device clearly establishes Nikola Tesla as a radio pioneer. In Colorado Springs, where he stayed from May 1899 until 1900, Tesla made what he regarded as his most important discovery-- terrestrial stationary waves. By this discovery Tesla proved the Earth could be used as a conductor and would be as responsive as a tuning fork to electrical vibrations of a certain frequency. He also lighted 200 lamps without wires from a distance of 25 miles (40 kilometers) and created man-made lightning. The QSL card below will be issued for all valid RFA reception reports from July 1 – August 31, 2009.



Created and funded by the U.S. Congress, Radio Free Asia (RFA) began in March 1996. As a surrogate broadcast network, RFA provides accurate and timely information, news and commentary about events in Asia. It is a forum for a variety of opinions and voices from within Asian nations whose people do not fully enjoy freedom of expression.

RFA broadcasts only in local languages and dialects - in Mandarin, Cantonese, Uyghur, and the Wu dialect; Tibetan (Uke, Amdo, and Kham); Burmese; Khmer to Cambodia; Korean to North Korea; Lao; and Vietnamese. Each language service is made up of native language speakers. This distinctive programming reflects each of these unique cultures.

RFA gives its Asian listeners a vehicle to voice their own thoughts through twelve call-in programs—one in Cantonese, one in Khmer, five in Mandarin, four in Tibetan and one in Uyghur. Daily broadcasts incorporate reports from correspondents and stringers throughout the world.

RFA has offices across Asia and is headquartered in Washington, DC.

Radio Pioneer



Nikola Tesla
1856-1943

Radio Free Asia (RFA) is a private, nonprofit corporation that broadcasts news and information to listeners in Asian countries where full, accurate, and timely news reports are unavailable. Created by US-Congress in 1994 and incorporated in 1996, RFA currently broadcasts in Burmese, Cantonese, Khmer, Korean to North Korea, Lao, Mandarin, the Wu dialect, Vietnamese, Tibetan (Uke, Amdo, and Kham), and Uyghur. RFA strives for accuracy, balance and fairness in its editorial content. As a 'surrogate' broadcaster, RFA provides news and commentary specific to each of its target countries, acting as the free press these countries lack. RFA broadcasts only in local languages and dialects, and most of its broadcasts comprise news of specific local interest. More information about Radio Free Asia, including our current broadcast frequency schedule, is available at www.rfa.org. RFA encourages listeners to submit reception reports. Reception reports are valuable to RFA as they help us evaluate the signal strength and quality of our transmissions. RFA confirms all accurate reception reports by mailing a QSL card to the listener. RFA welcomes all reception report submissions at

RFA-website www.techweb.rfa.org (follow the QSL REPORTS link) not only from DX'ers, but also from its general listening audience. Reception reports are also accepted by email at qsl@rfa.org, and for anyone without Internet access, reception reports can be mailed to our postal address.

Radio Free Asia wins top award

Radio Free Asia (RFA) has been named Broadcaster of the Year by the 2009 New York Festivals for winning the largest number of awards among participating broadcasters. Four of RFA's nine language services won top honours for excellence in journalism in the international competition, which included three gold, one silver and three bronze medals.

"While Radio Free Asia has consistently been honoured at the New York Festivals over the years, it is deeply gratifying that the outstanding work by our staff won a record number of awards this year," Libby Liu, President of RFA, said. "RFA reporters work tirelessly under the most difficult circumstances to bring uncensored news to our listeners."

Funded by the US government, RFA broadcasts news and information to listeners in Asia. Its creation was authorised by the US Congress in 1994. It broadcasts daily on shortwave to China, Myanmar, Vietnam, North Korea, Laos and Cambodia as well as operating Internet services. All broadcasts are solely in local languages and dialects.

(Source: Asia-Pacific Broadcasting Union)

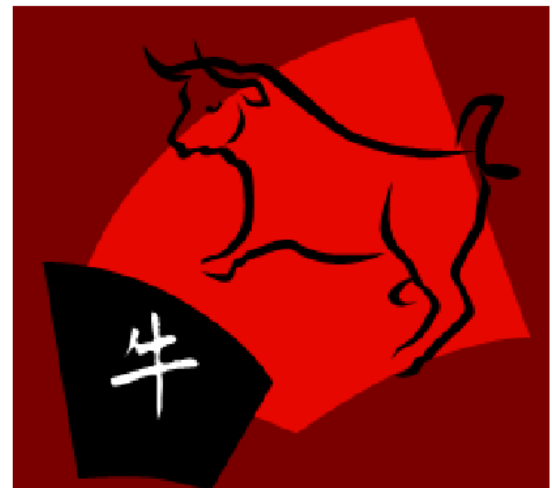


Radio Free Asia

Radio Free Asia (RFA) began in March 1996. The purpose of RFA is to provide a forum for a variety of opinions and voices from within specific Asian countries. As a "surrogate" broadcaster, RFA also provides news and commentary while broadcasting only in local languages and dialects; most broadcasts include news of specific local interest.

RFA can be heard in Mandarin, Cantonese, Uyghur, and the Wu dialect; Tibetan (Uke, Amdo, and Kham); Burmese; Khmer to Cambodia; Korean to North Korea; Lao; and Vietnamese.

RFA's main broadcast center is in Washington, DC with offices in Asia, and correspondents throughout the world. Please listen to our programs often and learn more from our website at www.rfa.org.



Reception Reports
Radio Free Asia
2025 M. Street NW, Suite 300
Washington DC 20036
United States of America.

Upon request, RFA will also send a copy of the current broadcast schedule and a station sticker.

RFA's AJ via Siegbert Gerhard, Frankfurt am Main

The Voice of Russia Today

The Voice of Russia is going to celebrate its 80 birthday this year in October. Therefore we already publish this short article today, taken from the VoR website. We hope to have more on the 80 year history in October or November.

"The Voice of Russia" is a state radio company broadcasting in foreign languages since October 29th, 1929. Financed by the Government. Headed by the Chairman and the Board of Editors. Journalists enjoy professional independence. "The Voice of Russia" aims to brief the international community on developments in Russia, to provide its view on current global events, to promote positive image of Russia. The radio company also conducts a dialogue with Russians abroad and promotes popularization of the Russian language and Russian culture.

Today "The Voice of Russia" broadcasts in Russian and 37 foreign languages on short and medium waves a total of 145 hours a day. Since January 1st, 2001, the Russian language broadcasts have been on the air for the CIS and the Baltic states on short and medium waves and in FM. Programs can be accepted in 28 cities of CIS and Baltic countries, including 9 capitals of the countries of Commonwealth.

In the Crimea "The Voice of Russia" broadcasts in FM are transmitted through the local net channels over more than 50 towns. In 20 cities of Finland, Serbia, Afghanistan, Brazil, Peru, Israel, Iraq an announcement is conducted in FM. "The Voice of Russia's" programs are relayed through satellite channels of the World Radio Network in the United States to its cable networks, FM band and mobile telephone networks in the following 16 states.

"The Voice of Russia" is the first Russian radio station that was licensed on December 5th, 2002 to broadcast in Germany round the clock in Russian, English and German in the medium waveband and in the internet on line. "The Voice of Russia" partner in carrying out the broadcasting project is the "Deutsche Telekom". Using its channels "The Voice of Russia" relays the UN programs.

On June 16, 2003 "The Voice of Russia" along with the other leading international broadcasters has launched its daily broadcasting programs for Europe in the DRM (Digital Radio Mondiale) format.

"The Voice of Russia" broadcasts 450 programs about life of modern Russia, its history, culture, internal and external policies. 50 regional correspondents contribute daily reports from various Russian regions, the CIS and the Baltic states. News and commentaries account for 70% of the air time.

"The Voice of Russia" has been on the Internet since July 1996. It broadcasts on Internet in 33 languages. From May, 2003 the programs are broadcast in video. Its Web site is used by people from 140 countries. By the scope of information, the quality of presentation and easy use "The Voice of Russia" Web site ranks among the most authoritative catalogues on the site of Encyclopedia Britannica <<http://www.britannica.com>>. "The Voice of Russia" constantly updates its programs, but at the same time preserves its format and style, which is appreciated by its audiences. "The Voice of Russia" ranks among the world's five international radiostations along with the BBC, "The Voice of America", "Deutsche Welle" and Radio France Internationale that attract the largest audiences.

"The Voice of Russia" features "Music and Musicians" and "Christian Message from Moscow" are listed among the ten most popular programs of the world's broadcasters ("Passport to World Band Radio 2007", USA). Many of "The Voice of Russia" journalists have gained recognition in foreign countries and won different international prizes. "The Voice of Russia" more than once became a winner in National Competition "Radiomania" in different categories.

"The Voice of Russia" broadcasts on the North Caucasus 18 hours a day and has an information Internet resource "The Chechnya Free". 25 regular programs in Russian and English inform visitors from 90 countries, including Russia about humanitarian news in Chechnya.

From May, 2004, a new information Internet resource has been opened: "The C.I.S. and the Baltic states a territory of common information space": <<http://www.sngbaltia.ru>>.

"The Voice of Russia" is carrying out the multimedia interactive broadcasting project "Vis a vis with the world". The program is broadcast in Russian and 32 foreign languages in short and medium waves, relaying to domestic Russian radio audience. Its also sounds in audio and video formats on the Internet. Since first broadcast (April, 1997) the program has drawn attention of 128 thousand listeners from 96 countries.

"The Voice of Russia" exchanges information with the world's leading broadcasters and acts as an intermediary when it is necessary to place advertising or other materials in foreign media, including in the form of exchanging special radio programs. "The Voice of Russia" is a member of the National Association of TV and Radio broadcasters (NAT), the European Broadcasting Union (EBU), International Committee on Digital Radio Mondiale (DRM) and Conference of International Broadcasters' Audience Research Services (CIBAR).

"The Voice of Russia" stands its world audience at 109 million people. "The Voice of Russia" is regarded by its listeners from 160 countries as a convenient and democratic source of information about Russia.

Broadcasting Company

The Voice of Russia

Pyatnitskaya, 25, 115326, Moscow, Russia

Tel. 7 (495) 950-6331 - Fax 7 (495) 951-2017

E-Mail: <letters@ruvr.ru> - Website <<http://www.ruvr.ru>>

WORLDWIDE DX CLUB

WORLDWIDE DX CLUB, founded in 1966, does not claim to be the biggest or best DX club in the world. Nevertheless, it offers its members and subscribers a rather good monthly bulletin (mainly in English) entitled "DX MAGAZINE" with up-to-date information on most aspects of DX'ing at the reasonable price of € 15.60, £12.00, US\$18.70 or 16 International Reply Coupons (IRC's) per year (air mail: Europe: € 17.40, £13.00, US\$20.90 or 18 IRC's; Overseas: € 20.40, £15.50, US\$24.50 or 21 IRC's).

Since WORLDWIDE DX CLUB is the "International Department" of ARBEITSGEMEINSCHAFT DX (AGDX), the head organization of the German language DX clubs, it is able to offer its members and subscribers another DX publication in German entitled "Radio-Kurier - weltweit hören". This is jointly issued by the German DX organizations ADDX and AGDX and is available for € 40.00, £28.50, US\$48.00 or 40 IRC's per year (including air mail to countries outside Europe) or, if ordered together with "DX MAGAZINE", for € 51.00, £36.00, US\$61.20 or 51 IRC's per year (air mail: Europe: € 52.80, £37.00, US\$63.40 or 53 IRC's; Overseas: € 55.80, £39.00, US\$66.60 or 56 IRC's per year).

Both publications, "DX MAGAZINE" as well as "Radio Kurier - weltweit hören", are also available as PDF files. If you decide to receive this version, a worldwide subscription rate of € 9.00, £7.00, US\$10.80 or 9 IRC's is applicable for "DX MAGAZINE". "Radio Kurier - weltweit hören" is available for € 20.00, £15.50, US\$24.00 or 20 IRC's, both publications together for € 26.00, £20.00, US\$31.20 or 26 IRC's.

WORLDWIDE DX CLUB has currently the following special publications available:

1. "REPORTING GUIDE", published by the EUROPEAN DX COUNCIL (€ 1.00 or 1 IRC; please enclose 1 additional IRC for air mail).
2. "EDXC RADIO COUNTRIES LIST 2007", published by the EUROPEAN DX COUNCIL (€ 1.00 or 1 IRC; please enclose 1 additional IRC for air mail).
3. "WORLD RADIO TV HANDBOOK 2009, published by WRTH Publications Limited in December 2008 (€ 32.00 or US\$38.40; extra for air mail: € 10.20 or US\$12.20).
4. "DAS OHR ZUR WELT" (Eine Einführung in den Rundfunk-Fernempfang, herausgegeben von der ARBEITSGEMEINSCHAFT DX e. V.) (€ 1.00 or 1 IRC; please enclose 1 additional IRC for air mail).
5. "EMPFÄNGER-FIBEL 1995" (Ratgeber für den Empfänger-Kauf, herausgegeben von der ARBEITSGEMEINSCHAFT DX e. V.) (€ 2.00 or 2 IRC's; please enclose 1 additional IRC for air mail).

These prices include postage and packing. Delivery against advance payment by International Money Order, cheque in € drawn on a German bank (otherwise please add € 5.00 for bank charges), cheque in US\$ drawn on a US bank, cash in any convertible currency, Postal Money Order or transfer to our bank accounts: Raiffeisenbank Graevenwiesbach No. 100019984 (IBAN: DE75 5006 9345 0100 0199 84 - BIC/SWIFT-Code: GENODE51GWB) or ING/Netherlands No. 3822840 (IBAN: NL08 INGB 0003 8228 40 - BIC/SWIFT-Code: INGBNL2A). *IRC's can only be accepted from countries, in which payments can not be made by any other means (1 IRC = € 1.00) - not for orders of WRTH.*

Die obigen Preise enthalten Porto und Verpackung. Lieferung gegen Vorauszahlung durch Überweisung, Scheck in € (gezogen auf eine deutsche Bank, sonst € 5,00 zusätzlich für Bankgebühren), Postanweisung oder Bargeld. Konten: Raiffeisenbank Grävenwiesbach Nr. 100019984 [Bankleitzahl 500 693 45] und ING/Niederlande Nr. 3822840. *IRC's werden nur aus solchen Ländern akzeptiert, in denen eine Zahlung auf einem anderen Weg nicht möglich ist - nicht für WRTH-Bestellungen.*

For further information on WORLDWIDE DX CLUB please write to: WORLDWIDE DX CLUB, Postfach 1214, D-61282 Bad Homburg, GERMANY (e-mail: <info@wwdxc.de>), or visit us in the Internet at <<http://www.wwdxc.de>>.