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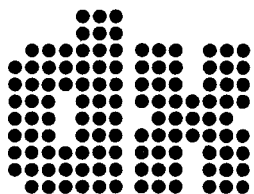
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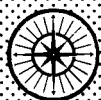
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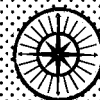
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WORLD WIDE DX CLUB



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- WORLDWIDE DX CLUB homepage in the Internet: <<http://www.wwdxc.de>>
- Weekly "TopNews" by Wolfgang Büschel: <<http://topnews.wwdxc.de>> (available free of charge by eMail to our members on request)
- Archive copies of DX MAGAZINE (PDF) since the year 2000: <<http://online.wwdxc.de>>



New QSL series 2022 of Radio Tirana (see <http://rthk.agdx.de/html/farbqsl-serie_.html>)

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DX MAGAZINE No. 2



Vol. LVII



February 2022

Hello again,

Welcome to another issue of our DX MAGAZINE. I have no news to report from inside the club this month - therefore let's just start with our usual news from outside the club - only one item this month:

The **WRTH Editorial team** is pleased to announce that the updates to the B21 schedules in the International section of WRTH 2022 are now available for free download from the WRTH website: http://www.wrth.com/_shop/wp-content/uploads/WRTH2022IntRadioSuppl1_B21SchedulesUpdate.pdf. The file is in PDF format and will require the free Adobe Acrobat reader. We hope you find this a useful accompaniment to your printed WRTH edition.

(Nicholas Hardyman, Publisher - World Radio TV Handbook)

Gayle Van Horn, W4GVH, has published the 17th edition of the **Global Radio Guide** e-Book (electronic book only, "no print edition available"), which is available worldwide from Amazon and their various international websites at <https://www.amazon.com/dp/B09MV5XMFZ>.

The price for this latest edition is US\$8.99 for over 1000 pages of radio hobby content and frequencies. Since this book is being released internationally, Amazon customers in the United Kingdom, Germany, France, Spain, Italy, Japan, India, Canada, Brazil, Mexico, and Australia can order this e-Book from Amazon websites directly servicing these countries. Customers in all other countries can use the regular Amazon.com website to purchase this e-Book.

Texas Radio Shortwave wants to do another tribute to German radio pirate Dr. Tim, using audio from the 24 (or more) stations they didn't include in their first effort. "While we found audio clips of some of these stations, the quality wasn't good enough for rebroadcasting, or the clip didn't include an ID. Both of these were requirements for inclusion in our first tribute program. Would you please publicize our effort and ask your members to contact us if they have audio they think we can use for our program. We hope to air the program this spring". Please contact Cap'n Ric at texasradiosw@gmail.com.

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

NEWS ABOUT BROADCASTING (+other) STATIONS

Editor: WALTER EIBL ■ eMail: news@wwdxc.de

ABKHAZIA - Rep. of - rather formerly part of GEORGIA / Georgian SSR -{Wiki says 56% Abkhaz, rest Russian and Armenian nationals; in 1890 also some 12 % Greek residents there during Osmanic Empire}

Abkhaz Radio/Apsua Radio in Abkhazian on 9534.8v kHz via Sukhumi, January 31:
from 0530 on 9534.8vSUK 005 kW / non-dir to CAs Abkhazian. Fair via SDR Tambov, Russia

Abkhaz Radio/Apsua Radio in Russian on 9534.8v kHz via Sukhumi, February 2:
from 1221 on 9534.8vSUK 005 kW / non-dir to CAs Russian. Fair via SDR Tambov, Russia.
(DX MIX 1231)

ALASKA - Reception of WCB KNLS The New Life Station in English on 6075 kHz via Anchor Point, February 1:
0800-0900 on 6075 NLS 100 kW / 270 deg to SEAs English tx#2. Very good via SDR Half Moon Bay, CA in USA
B-21 schedule 0800UT on 6075; 1000UT on 9680; 1200UT on 9580 & 9625; 1400UT on 9580; 0300UT on 13760 kHz.

Reception of WCB KNLS The New Life Station in Chinese on 7370 kHz via Anchor Point, February 1:
0800-1000 on 7370 NLS 100 kW / 285 deg to EAs Chinese tx#1. Very good via SDR Half Moon Bay, CA in USA

Reception of WCB KNLS The New Life Station in Russian on 9540 kHz via Anchor Point, February 1:
0900-1000 on 9540 NLS 100 kW / 300 deg to NEAs Russian tx#2. Very strong via SDR Half Moon Bay CA, USA.
At 0911UT B-21 freq/time ann.: 0900UT on 9540; 1100UT on 9570 & 1500UT on 9465 kHz, instead of new 9550!
(DX MIX 1231)

ARMENIA - 9965 kHz FEBA Pakistan Radio via Yerevan Gavar, Jan 13, being heard daily this month on this new
time/fqy/xmtr combo. Urdu xmsn from studio in Pakistan coming in pretty well today at 1516 UT, spritely YL ancr and
then interesting Christian hymn by OM but with subcontinental instruments and rhythm. 1517 UT OM and YL continue
on. Friendly folks run this remote language studio so send your report to Nabeel Minhas at <febaradio74-at-gmail.com>
(Ralph Perry, Wheaton-IL-USA, Naswa Electronic Flashsheet #1031 Jan 23)

Radio Afghanistan International on 7600 kHz via CJSC Yerevan, February 6:
from 1300 on 7600 ERV 100 kW / 100 deg to WAs Pashto. Very good via SDR Tambov, RUS.

Trans World Radio India in Mundari on 12075 kHz via CJSC Yerevan on February 7:
1315-1330 on 12075 ERV 300 kW / 100 deg to SAs Mundari Mo/Tue. Very good via SDR Tambov, RUS.

Trans World Radio India in Hindi on 9965 kHz via CJSC Yerevan on February 7:
1425-1440 on 9965 ERV 300 kW / 100 deg to SAs Hindi Mon-Fri. Very good via SDR Tambov, RUS

Trans World Radio TWR India in English on 9965 kHz via CJSC Yerevan, February 7:
1440-1510 on 9965 ERV 300 kW / 100 deg to SAs English Mon-Fri. Very good via SDR Tambov, RUS

TWR India relay FEBA Pakistan in Urdu on 9965 kHz via CJSC Yerevan, February 7:
1510-1540 on 9965 ERV 300 kW / 100 deg to SAs Urdu Daily. Very good via SDR Tambov, Russia.
(DX MIX #1232, February 8, 2022)

ARMENIA / MADAGASCAR - Bible Voice Broadcasting towards zone 41 at South Asia brokered by MBR, bcast
via MGLOB Talata Volonondry Madagascar and CJSC Yerevan Gavar Armenia relay facilities.

Jose Jacob reports on the WRTH F_Book group, 27 Jan. Bible Voice Broadcasting has interchanged its frequencies
for the English Services to India. It is monitored this week as follows:

Tuesday 0200-0215 ERV 11960* (ex11790) kHz *acc hfcc.org rather 11945 kHz

Thursday 0200-0230 MDC 11790 (ex11960) kHz

(Jose Jacob-IND via Mike Terry-UK, WOR Jan 27)

AUSTRALIA - Labour promises \$2m shortwave radio restoration (Tescun Radios Australia)

Note: the following was copied from the newsletter of Australian radio retailer, Tecsun Radios Australia.

A controversial decision in 2017 lead to the ABC turning off its domestic shortwave radio service, much to the
disappointment and anger of remote listeners. It's reasoning for turning off the shortwave broadcasts was that it would
only affect a small number of listeners and in fact save operating costs of \$1.9M, which could be re-invested in providing
infrastructure of digital services located in populated regional areas. Many industry groups were outraged, particularly
in remote areas of the Northern Territory where residents had come to rely on the service as their only regular source
of news and entertainment.

In February 2011, cyclone Yasi crossed the Australian east coast between Cairns and Townsville, causing enormous
damage and knocking out all local communications. Radio Australia carried ABC Queensland coverage of the storm,

which was extraordinary ...]

The federal Labour party has announced that if elected next year, they will provide the ABC with \$2M in funding to re-establish the shortwave funding across the territory. Via SWListening Post Jan 16 2022.
(NZ DX Times via Stu Forsyth Chief Editor of NZDXT, Mangawhai-NZL Febr 3)

Reception of Reach Beyond Australia in Japanese on 11905 kHz via Kununurra on January 5:
1055-1100 on 11905 KNX 075 kW / 005 deg to EAs Reach Beyond Australia Interval Signal & English ann
1100-1130 on 11905 KNX 075 kW / 005 deg to EAs Japanese Sat/Sun. Fair/good via SDR Tambov in Russia
(DX MIX #1232, February 8, 2022)

BANGLADESH - 4750even Bangladesh Betar in UNIDentified language, S=9+20dB in Delhi India remoted SDR at 19.24 UT on Febr 3. 4749.998 CHN instead of CNR1 Hailar in Chinese at 20.30 UT, poor and tiny S=3 -106dBm signal strength. (wb df5sx, wwdxc BC-DX TopNews Febr 3)

BELARUS [RUSSIA] - Radio Free Waves Bay relay Radio Five Corners on 3940 kHz, February 6 from 1854 on 3940 unknown secret tx site to Eu Russian. Good via SDR Tambov, Russia.
(DXMIX #1232)

BOTSWANA - 17895 kHz Jan 11 at 1723 UT, VOA English, S5-S7, relay at 1700-1800 UT, 100 kW at 350 degrees. Somewhat better than only other sigs on band, BBC 17830 kHz Ascension, 17780 kHz Woofferton-UK.

VOA site sometimes referred to as Selebi-Phikwe, othertimes as Moepeng Hill. WRTH uses both, but where is this, really? East central Botswana, near the Zimbabwe border; close to which city? 100 km SSE of Francistown, which used to be a radio site. It's the second-largest city, 100K after capital Gaborone. Apparently has not been de-Anglicized in nomenclature.

Wikipedia: "The present town was founded in 1897 as a settlement near the Monarch mine and named after Daniel Francis, an English prospector from Liverpool who acquired prospecting licences in the region in 1869."

Selebi-Phikwe is half the size of F-town, and known for nickel mining. Moepeng Hill is known as MW transmitter site, both for VOA 600 kW on 909 kHz along with the SW; and Radio Botswana, 100 kW on 621 kHz.

M.H. appears to be a hill rather than a populated place, about 25 km west of Selebi-Phikwe, so closer to due south from Francistown. A medium-sized African country, Botswana is 85.79% the area of Texas, but sparsely populated.
(gh, hc dx and WOR Jan 12)

The one and only village nearby, Selebi-Phikwe, some 18 - 20 kilometers away of US AGM relay broadcast center area.

At 16.15 UT Jan 15: US AGM on exact 11850.002, 15579.991, 17895.002 kHz.
(wb, Jan 16)

BRAZIL - The economic crisis triggered by the pandemic (over 600,000 people have died in the South American country) has brought many Brazilian broadcasters to their knees, and they have asked to reduce their transmission power in order to cut operating costs. So the Ministry of Communications has allowed radio and TV broadcasters to reduce their authorized watts by up to 30% for six months, at times when the audience is less busy.

The president of the Brazilian Association of Broadcasters (ABERT), Flavio Lara Resende, was satisfied and said 'by accepting the sector's request, the Mcom is showing itself sensitive to the moment of a financial crisis that the private sector is going through, driven by the coronavirus pandemic'.

<<https://blog.radioreporter.org/brazil-radios-cut-power-by-30-due-to-crisis>>

(Mike Terry-UK to WOR io.group 16/10 via IRCA; via NZ DX Times via Stu Forsyth Chief Editor of NZDXT, Mangawhai-NZL Febr 3)

In ancient years during carnaval the Brazilian stations blew out their program regularly with all the power they had ... tremendous reception in Europe! ... oh those happy nights listening to ... (we)

4885.027 BRA R Clube do Para, poor and tiny, S=4 at 01.44 UT on Jan 31.

5939.894 BRA A Voz de Missionaria, Camboriu SC, S=4 at 02.06 UT.

9666.545 BRA on Febr 3 at 21.11 UTC, R. Voz Missionaria, S=9+15dB in Germany on Febr 3.

6

9819.125 BRA 10 kW ZYR96 R. Nove do Julho, Sao Paulo SP, S=9+5dB at
20.55 UT on Febr 3. QRM 9820even kHz of CNR2 Xianyang #594 CHN.
11815.022 kHz Radio Brasil Central, S=7 BrasPort, at 21.00 UT.

[selected SDR options, span 12.5 kHz RBW 15.3 Hertz] (wb df5sx, wwdxc BC-DX TopNews Febr 3)

Radio Aparecida has discontinued its five (5) long range (shortwave) transmitters and only the FM channel is still on the air.

The DX program still exists, but, since its range is now restricted to a very small area, it will no longer serve as the meeting point where many long and good friendships were born. (NASWA 22/2 - Pedro de Castro-Brazil)

4925 kHz Jan 8 at 0230 UT, JBA talk, S8/9 with some flutter, presumed the only station known on 4925 kHz, R. Educacao Rural, Tefe, Amazonas, known to be active but seldom heard here. Slightly low in frequency compared to WWV 5000.00000. WRTH & Aoki lists claim until 0200* UT, but EiBi database to 0300* UT.
(gh, via NASWA Electronic Flashsheet #1030 Jan 9)

4925.0 kHz ZYF271 Radio Educacao Rural - Tefe, Amazonia (pres), 1047 UT on Jan 9 in Portuguese. Woman singing a ballad, man with what sounded like a reflection into a similar ballad by a man. Poor - fair.
(Mark Taylor, Madison-WI-USA, Naswa Electronic Flashsheet #1030 Jan 9)

9665. {rather 9666.508 kHz odd fq, wb.} on Friday Jan 14, at 23.09-23.18 UT, Radio Voz Missionaria, Camboriu-SC, in Portuguese. Man announcer presents a musical program; 23.14 UT ID jingle; More songs. Good reception this night: 454. (Jose Ronaldo Xavier, Cabedelo-Paraiba-BRA, WOR Jan 14)

5938.901 kHz Voz Missionaria heard at 01.26 UT on Saturday Jan 15. And on 9666.508 kHz at 01.53 UT fair S=5-6 in FL state SDR remotely now.

[selected SDR options, span 12.5 kHz RBW 15.3 Hertz] (wb df5sx, wwdxc BC-DX TopNews Jan 15)

11780.010 BRA R Nac da Amazonia, Brasilia, Portuguese, seemingly some children phone-in program, silly performance, at 00.38 UT on Jan 18, S=9+25dB strength, but suffered also by heavy co-channel 11780even CHN CRI Beijing, via 500 kW site Jinhua RTC #831, at 59degr northeastern azimuth via Kamchatka, Alaska, western Canada pacific coast line.

15190.070 BRA 5 kW ZYE522 Radio Inconfidencia, Belo Horizonte MG <www.inconfidencia.com.br> S=7 at 00.14 UT Jan 18 fluttery, sound compared with <http://inconfidencia.mg.gov.br/modules/programacao/players/pop_am.php>
[selected SDR options, span 12.5 kHz RBW 15.3 Hertz] (wb df5sx, wwdxc BC-DX TopNews Jan 18)

BULGARIA - Die deutschsprachige Redaktion von Radio Bulgarien nahm Weihnachtsgruesse zum Anlass, sich bei alten Freunden per e-Mail in Erinnerung zu rufen: "Wir wuenschen Ihnen ein frohes Weihnachtsfest und einen guten Rutsch in ein hoffentlich besseres Jahr 2022 !

Bei allen, die uns geschrieben haben, bedanken wir uns ganz herzlich und moechten jene, die es vielleicht nicht wissen, darueber informieren, dass wir seit dem Sommer unsere Audioprogramme wieder aufgenommen haben. Wenn Sie also Lust haben, koennen Sie sich auf unserer Internetseite <<https://bnr.bg/de>> umschauen und sich unsere Sendungen anhoeren. Zu finden sind sie oben, unter der Aufschrift Sendungen auf Deutsch auf blauem Hintergrund."

(Dr. Hansjoerg Biener-D, via wwdxc BC-DX TopNews Jan 6)

Now again on SW via Kall / Eifel on 3985 1800-1830 in German. (we)

CHINA Peoples Rep. - 6200 kHz Voice of Jinling, Nanjing, 10 Jan, excellent signal this morning at 1305 UT check, several women in spirited Mandarin conversation, playing audio clips too. 1307 jingle and then OM talks over.
(Ralph Perry, Wheaton-IL-USA, Naswa Electronic Flashsheet #1031 Jan 23)

CHINA / KOREA REP. OF - Re: 3990 kHz, logged Jan 21 at 23.45 UT onwards and Jan 22 at 00.00 to 00.15 UT time slot.

Used various Perseus SDR units remotely at central Europe, Athens Greece, eastern Finland, Delhi India and Hiroshima Japan.

3989.994 1/2 kHz 2310-0300 CHN XJBS PBS Xinjiang Uygur from Urumqi site is the strongest signal in both Europe

and India. Studio talk and phone-in in Uyghur Turk language sound, heard between 23 and 01 UT tonight. NOT MANDARIN nor Tibetan language.

Similar signal strength also heard at 00.02 UT played China's National Anthem on 3949.951 CHN XJBS PBS Xinjiang from Urumqi site, S=9+10dB in Mandarin Chinese service.

3990.004 2250-0100 CHN GPBS PBS Gannan, Hezuo City according <www.asiawaves.net> of Alan Davies frequency database. Scheduled Tibetan Amudo language.

According to Google Earth images: older image of 2005 year bcast center location was on central downtown city, but poor vicinity visible, at 34 58 17 N 102 54 32 E. From 2012 onwards nice 2 x MW masts, and some 6 x SW dipol and two corner reflector antennas built up at new 34 58 29 N 102 55 00 E location, <<https://goo.gl/maps/R7ddJcK6sUqFRzQk7>> .

<<https://www.bing.com/maps?osid=7070eea8-8adb-4f2b-9dd8-f02772fcbc94&cp=34.975183~102.917007&lvl=18&style=h&v=2&sV=2&form=S00027>> broadcast center of 2012 year looks well build-up and as usual with the Chinese looks very well organized, outside city on the eastern mountain flank. Two MW masts of 1197 and 1332 kHz 10 kW Tibetan and Chinese

In 2005 year on 3990 and 5978.984 kHz shortwave, 2 x 15 kW. 21-Febr and 14-March 2020 images show 3 bigger dipol SW antenna masts on the northern flank, and 3 lower height dipol antennas on the southern flank, amongst them deep angle fountain antenna, like corner reflector to serve supply the very mountainous environment.

3990.014 0400-0100 KOR ECHO OF HOPE-VOH Korean from Hwaseong. Korean program heard even at 00.40 UT in Tokyo and Hiroshima remotely. No jamming heard, but morning fade-out and gray-line more westerly. [selected SDR options, span 12.5 kHz RBW 15.3 Hertz] (wb df5sx, wwdxc BC-DX TopNews Jan 21 - 22)

COLOMBIA - 4940 kHz Fuerza de Paz Radio, Arauca, 1040 UT, M in rather lengthy SP rant, possibly a sermon; after 1100 music, probably religious, was heard; fair signal and strongest noticed on the band, but lots of QRN. I suspect this is the old La Montana Colombia, Maicao, with a new name and QTH Jan 10. (XM, Cedar Key - Florida-USA; via DX Fanzine #101 Febr 2)

4940 kHz Radio Montana Colombia - Maicao or Fuerza de Paz Radio, Arauca, 0609-0615 UT. No ID so not certain who is correct, AOKI / EIBI or WRTH. Spanish language pop music. Weak to moderate signal in heavy noise; on Jan 26. (Jim Evans, Germantown-TN-USA, via NASWA Electronic Flashsheet #1033 Jan 30) lately on 4939.991 kHz.

CUBA - 5024.996 kHz Radio Rebelde not as strong as usual, seemingly a reserve unit of Bauta bcast center at 01.15 UT in service.

6000 kHz RHC La Habana English talk on electricity generators in Lebanon Near East, voltaic technique. Via RadioCuba relay site Quivican San Felipe TITAN of of the three remaining 250 kW beast outlets. At 01.20 UT Jan 15. [selected SDR options, span 12.5 kHz RBW 15.3 Hertz] (wb df5sx, wwdxc BC-DX TopNews Jan 15)

13680 kHz Jan 3 at 2101 UT, RHC in Brazuguese. This frequency still not picked up by Aoki or EiBi databases, altho I already reported it Dec 17 at 2121 UT. It may be sporadic.

11850 kHz Jan 4 at 0222 UT, RHC Spanish is S=9+10dB but JBM, along with JBA carrier parasites 11840 & 11860 kHz, while 11760 kHz is much better; and 5040 kHz is S=9+20/30dB.

5025 kHz Jan 4 at 0225 UT, R. Rebelde only S9, must be QRP, as 4765 kHz Progreso hits S=9+20dB, and 5040 kHz RHC S=9+20/30dB.

5040 kHz Jan 4 at 0727 UT, RHC S=9+20/30dB in Spanish, on way beyond when any Spanish is supposed to SW. In fact it was still going at 0840 UT per Bryan Clark in NZ, and could pose a problem for Vanuatu if it resume. At least Jeypore, India is out of the way. ... (gh, Naswa Electronic Flashsheet #1029 on Jan 2)

9700 kHz Jan 9 at 0722 UT, only RHC channel still on, S=9+20dB and undermodulated, as 'Ed Newman' plays a clip from the US left-wing 'Democracy Now', Amy Goodman reporting on migrants dying in the English channel with no help from France or Britain. How about some Democracy, now in Cuba? Ha2. I'm barely awake at 0805 UT so seek weekly Esperanto which should be running now on one 6 MHz channel like 6100 kHz, but nowhere to be found, not even 9700 kHz. ...

(gh, via NASWA Electronic Flashsheet #1030 Jan 9)

9700, 6100, 6060, 6000, 5040 kHz, UT Sun Jan 23 at 0703 UT, all "Cuban Five" RHC frequencies are off already; boding ill for Esperanto at 0800 UT. Wolfgang Buschel agrees, they all went off by 0700/0701 UT. ...

(gh, WOR Jan 27)

Radio Habana Cuba in Spanish on 7 frequencies via 3 different transmitters, January 28:

1400-1500 on 6000 QVC 250 kW / non-dir to NCAm Spanish. Fair/good via SDR Milford, PA in USA
 1400-1500 on 9535 BEJ 100 kW / 230 deg to CAm Spanish. Very good via SDR Milford, PA in USA
 1400-1500 on 9710*BEJ 050 kW / 110 deg to SAm Spanish. Very good via SDR Milford, PA in USA
 1400-1500 on 11760 BAU 100 kW / non-dir to NCAm Spanish. Very good via SDR Milford, PA in USA
 1400-1500 on 13700 BAU 100 kW / 310 deg to WNAm Spanish. Very good via SDR Milford, PA in USA
 1400-1500 on 13740 BAU 100 kW / 160 deg to SAm Spanish. Very good via SDR Milford, PA in USA
 1400-1500 on 15140 BAU 100 kW / 130 deg to SAm Spanish. Fair/good via SDR Milford, PA in USA
 * instead of 7340 BEJ 050 kW / 110 deg to SAm Spanish in frequency announcement at 1400UTC!
 (DX MIX #1231)

Unscheduled broadcast of Radio Habana Cuba in English via Bauta after 0800UTC, February 3:

from 0800 on 6060 BAU 100 kW / 010 deg to ENAm English. Fair+humbuzz, in B-21 till 0700UT
 from 0800 on 6100 BAU 100 kW / 310 deg to WNAm English. Good signal via SDR Milford PA, USA
 from 0800 on 9700 BAU 100 kW / 340 deg to WNAm English. Low modulation, in B-21 till 0700UT
 (DX MIX #1232)

DENMARK - 15790 kHz World Music Radio (WMR) is on the air now, since Jan 1st 2022, 24 hours, 7 days a week on 15790 kHz from Randers, Denmark. Power is 20 Watts only - into a 3 element yagi beamed south. Reception is possible at times in Central and Southern Europe, but suffers from strong interference from the new DRM transmitter on 15785 kHz.

So these are the WMR transmitters currently on the air:

927 kHz - 200W - Hvidovre, Copenhagen
 5930 kHz - 200W - Bramming
 15790 kHz - 20W - Randers (>> to be changed to 15700. (we))
 25800 kHz - 65W - Marslet, Aarhus
 (Stig Hartvig Nielsen-DEN, <www.wmr.radio> hcdx Jan 11)

EGYPT - Remarkably well modulated signal on Sept 9 at 1530 UT on 9440 kHz in Albanian language. They CAN get it right if they try. Still the annoying buzz on this particular transmitter. The other transmitter on 9900 kHz has been off air Sept 3 through Sept 8. Either it is undergoing repair or they have given up. Strange that Albanian should get preference over the other languages on their sked.

(Alan Holder, G4ZBH; Isle of Wight, U.K. WOR Jan 9)

EGYPT - EGYPT 9510 kHz Cairo again! I also hear the Russian programme on 9510 kHz tonight. Only a weak signal here in the U.K. with low modulation and some distortion (beamed north at 5 degrees). It is the same buzzy transmitter which is used for Albanian at 1500 UT. I did not check earlier to see if the Turkish programme appeared on 9940 kHz at 1700 UT.

And I also hear the German programme on air tonight on 9810 kHz with a very strong signal, but the usual distorted mess. Totally incomprehensible to my ears. Switching to 9885 kHz at 2000 UT for the French service.

Are they extending their schedule coincidentally with the start of February? It might be worth checking if the other broadcasts appear from today, including those for South America in Portuguese on 9545 (2215-2330), Arabic 9730 (2330-0045), Spanish 9900 (0045-0200). (Alan Holder-U.K., G4ZBH, BrDXC-UK / WOR Febr 1)

9899.605 kHz, Jan 24 at 2108 UT, R. Cairo, S=9+30dB of nothing but some hum into UTwente; by 2115 UT some occasional clix but no English program modulation.

9899.605 kHz, Jan 25 at 2219 UT, 25 hours later this time with extreme unreadable distortion, not even obviously English, sounds like rubbing a balloon. At least the off-frequency has been quite stable from night to night. Off by 2245 UT, so the SDR produces random tones among the noise. What more can be said about this saduation?

Zach Liangas and Harold Frogge reported Cairo also distorted before 2100UT for the French broadcast on 9884.6 kHz. What about Portuguese scheduled to overlap from 2215 to 2330 UT on 9545 kHz? Also Abis but would have to be a second transmitter. AFAIK this has not been reported in a long time, nor the following imaginaries, 2330-0045 UT Arabic on 9730 kHz, 0045-0200 UT Spanish on 9900 kHz, all three for South America.
(gh, WOR Jan 27)

FRANCE (non) - Christian Ghibaudo has updated the EDXC-Countries List for 2022. It can be found at:
<<https://edxcnews.wordpress.com/2021/12/04/edxc-radio-countries-list-2022>>
(or: <<https://www.wwdxc.de/archive/edxc-radio-countries-2022.pdf>>)
(via Chrissy Brand-UK, via Dr. Hansjoerg Biener-D, addx Febr 2002, via wwdxc BC-DX TopNews Jan 16)

GERMANY - Ab 6. Februar 2022 beginnt Radio Oberlausitz International mit regelmäßigen Kurzwellen-Sendungen auf 6070 KHz. Die Sendungen erfolgen fortlaufend jeden Sonntag von 16 - 17 Uhr mitteleuropäischer Zeit.

Zusätzlich werden Kurzwellensendungen, außerhalb von Deutschland, mit Sendeleistungen oberhalb von 100 KiloWatt für ganz Europa verbreitet. {no further details ...}

Empfangsbestätigungen werden mit der elektronischen ROI-Card von Radio Oberlausitz International beantwortet. Anfragen unter post@radio-oberlausitz.de.

3985 kHz. Shortwave Service Kall hat eine neue Zusammenstellung auf 3985 kHz. Radio Vatikan und Radio Belarus werden nicht mehr ausgestrahlt, dafür neu Radio Bulgarien in Deutsch und Englisch. Damit ergibt sich folgender Sendeblock für die Auslandsdienste (UTC):

1600: Radio Tirana (Deutsch)
1630: Radio Slowakei International (Französisch)
1700: Schweizer Rundfunk (Deutsch)
1800: Bulgarischer Nationaler Rundfunk (Deutsch), 1820 Uhr Pausenmusik
1830: Bulgarischer Nationaler Rundfunk (Englisch), 1850 Uhr Pausenmusik
1900: Radio Slowakei International (Deutsch)
1930: Radio Slowakei International (Französisch)

Vor Radio Tirana um 1600 Uhr läuft tagsüber eine Übernahme von Christian Millings Radio Popexpress (<<https://info2806274.wixsite.com/popexpress>>) mit "Popmusik vom Feinsten" und "Sahne für die Ohren". Offizieller Sendeschluss auf 3985 kHz ist um 2000 Uhr.
(hjb, wwdxc BC-DX TopNews Jan 31)

Reception of Radio MiAmigo International on 6030 & 6085 kHz both via Kall, February 6:
from 1015 on 6030 KLL 001 kW / non-dir to CEu English via R.SWS. Fair+cw chirping via SDR Heimiswil
from 1015 on 6085 KLL 001 kW / 120&300 to CEu English. Very good+cw chirping via SDR Heimiswil, SUI
(DX MIX #1232)

On February 21: Annual shortwave broadcast of Radio Amrum / Oeomrang on 15215 kHz 1600-1700 via Issoudun TDF France. (DX MIX #1232)

GERMANY [probably] - Radio Free Europe / Radio Liberty on 3975 kHz ? I'm unable to receive this direct at my location in Central Florida, but upon checking the University Enschede-Twente WebSDR I am hearing (as of 0745 UTC) on 3975 kHz a repeating loop with the identification of "This is Radio Free Europe. Radio Liberty. Praha".

It is continuous and is being received on that WebSDR with an S9 - S=9+10dB signal.

Is this related to the situation in Ukraine? Perhaps this frequency is worth monitoring, I'm not sure what the transmitter site for this specific broadcast is and if it has any relation to the low power shortwave station in Germany that also uses 3975 kHz. Just a heads up! (John, WOR Jan 27)

Re: Radio Free Europe / Radio Liberty on 3975 kHz ?

Almost certainly a test from the USAGM site in Biblis, Germany (100 kW), which is the only one which has an antenna capable of operating on the 3.9 MHz / 75 meterband.

Must be in preparation for any possible armed conflict in Ukraine and the likely disruption of RFE/RL online services. It's the same old story - if the Internet is blocked, fire up the short waves to get the message through. (Alan Holder, G4ZBH, Isle of Wight, U.K. (WOR Jan 27))

Biblis B2 or B4 transmitter of 100 kW each, antennas 4 MHz (75 mb) CU1CL 85 degr azimuth, elevation 20_low, 32_high angle. (wb)

Maintenance on the sites of Biblis and Lampertheim has been reported in December 2021 and January 2022. Possible tests on other QRGs. (we)

Re: 3975 kHz US AGM Radio Liberty in Ukrainian on shortwave tested Biblis transmitter in 75 meterband ???

By the way, perhaps someone knows when exactly VOA's 3980 kHz moved from US IBB Ismaning to US IBB Biblis relay site ? It apparently was the last shortwave outlet at VOA Ismaning, after anything else had moved to Wertachtal (which got a 75 metres antenna only in the mid-nineties, when DW pulled out of Juelich), and from some point it came from Biblis, but that point is undetermined so far.

VoA Ismaning closed in y1994. 3980 kHz moved to Biblis and used during y1995 only. VoA stopped using 3980 altogether in B-1995/96, according to WRTV Handbook. Actually the Gates HFB2 transmitter (8 kW) at Ismaning was closed in y1988 and replaced with one of 100 kW Radioslavia transmitters at this site (used at 40 kW during evenings on 55 degrees azimuth - I guess to reduce interference +/- 5 kHz to other stations.) See copies of old VoA skeds attached. See also Ludo Maes' <<http://www.broadcast.be>> website.

Actually the same Gates HFB2 HF tx was also used by Israel at the Yavnestation for their Arabic service, on 5915 kHz, using a simple dipole cut to frequency. It was rated as 20 kW output, so the one at Ismaning was using reduced power. (Alan Holder G4ZBH, Isle of Wight, U.K., WOR Jan 30)

GERMANY / BULGARIA - Reception of BNR Horizont HS in German on 3985 kHz via Kall Krekel January 30 1800-1821 on 3985 KLL 001 kW / non-dir to CEu German. Good signal via SDR Heimiswil, SUI, 1821-1830 on 3985 KLL 001 kW / non-dir to CEu IS Kall. Good signal via SDR Heimiswil, SUI, 1830-1851 on 3985 KLL 001 kW / non-dir to CEu English. Good signal via SDR Heimiswil, SUI, 1851-1900 on 3985 KLL 001 kW / non-dir to CEu IS Kall. Good signal via SDR Heimiswil, SUI. Announcing as Radio Bulgaria, but it is not right. Jingles are from BNR Horizont Home Sce-1. 10 years ago on Jan.31, 2012 it was the final day on shortwave of BNR Radio Bulgaria Ext.Sce! (DXMIX 1231)

GUAM - BRB "Living Water Ministry Broadcasting" on 9900 kHz via KTWR Agana on January 29: 1500-1600 on 9900 TWR 250 kW / 335 deg to NEAs Korean Tue-Sat. Very good via SDR Tambov, RUS

Additional transmission of KTWR Trans World Radio Asia effective February 1: 0942-1000 on 11995 TWR 100 kW / 165 deg to AUS English Daily in HFCC B-21 Database

Reception of KTWR Trans World Radio Asia in English on 9910 kHz via Agana, January 30: 1100-1145 on 9910 TWR 200 kW / 305 deg to EAs Eng/Chi Sun. Very good via SDR Tambov, Russia (DXMIX #1231)

Reception of KTWR Trans World Radio Asia in English on 11590 kHz via Agana, February 6: 1247-1300 on 11590 TWR 200 kW / 285 deg to SAs English Sun. Very good via SDR Tambov, Russia

Reception of KTWR Trans World Radio Asia in Mongolian on 12120 kHz via Agana, February 7: from 1044 on 12120 TWR 200 kW / 315 deg to EAs Mongolian Mon-Sat. Very good via SDR Tambov, RUS

Reception of KTWR Trans World Radio Asia in English on 11965 kHz via Agana, February 7: from 1103 on 11965 TWR 100 kW / 263 deg to SEAs English Sun-Fri. Good via SDR Tambov, Russia.

Reception of KTWR Trans World Radio Asia in Chinese on 9975 kHz via Agana, February 7: from 1116 on 9975 TWR 200 kW / 315 deg to EAs Chinese Daily. Very good via SDR Tambov, RUS (DXMIX #1232)

INDIA - 9620 AIR Delhi, Bangalore 500 kW Karnataka bcast center at

1615-1730 Persian (Iran),
1730-1930 Arabic (ME, NE)

9620.002 kHz Jan 3 at 17.45 UT, S=9+15dB, totally DISTORTED audio feeder quality, overmodulated signal. What happened between Delhi and Bangalore bcast center?

AIR Bengaluru on 9620 kHz, listen to the AIR Arabic sce on Monday, Jan 17 taken record at 17.46 and 18.00 UT. Spoken parts are still overmodulated distorted feed quality from Delhi broadcasting house to Bangalore transmitter site. Though the music parts are sound little better in quality.
(wb df5sx, wwdxc BC-DX Topnews Jan 17)

Regarding the Bangalore transmission feedback: ...

Thank you for Monitoring our Services and the valuable feedback. The spoken parts were distorted from the input (Delhi) itself, informed. Thank you once again.

H.S.NAGESHA { Engineer on duty }

ASSISTANT DIRECTOR (E)

SPT AIR BANGALORE

(AIR Bangalore, via wwdxc BC-DX Topnews Jan 19)

AIR Delhi in Persian service at 16.15 to 17.30 UT. 9620.002 kHz Jan 5 at 17.12 UT, S=9+20dB, totally DISTORTED audio feeder quality, overmodulated signal. What happened between Delhi radiohouse and Bangalore broadcast center? Never happened such bad audio level in Bangalore shortwave broadcast center in past decades.

[selected SDR options, span 12.5 kHz RBW 15.3 Hertz] (wb df5sx, wwdxc BC-DX TopNews Jan 5)

11589.771 kHz AIR noted in Tibetan sce at 11.32 UT, NOT JAMMED, S=9+10dB locally at Delhi Perseus unit, scheduled like 11590 kHz 100kW New Delhi Kingsway 1045-1215 UT Tibetan to Tibet in China, (ex 11925 kHz).
(wb df5sx, wwdxc BC-DX TopNews Jan 26)

Very good signal of All India Radio AIR in Swahili & English on 15030 kHz via Bengaluru, February 1:

1207-1217 on 15030 BGL 500 kW / 240 deg to EaAf open carrier / dead air / 1000Hz test tone / Interval Signal
1217-1315 on 15030 BGL 500 kW / 240 deg to EaAf Swahili+English ann.Voice of Islam. Good via Tambov, Russia.
(DXMIX #1231)

INDONESIA - 3325 kHz VOI, via Palangkaraya; a rare day with actual audio; not a great signal but not too bad; on Jan 19, at 1311 UT, after the news in English, played the usual patriotic song "Bagimu Negeri" (For You Our Country); played it again at 1412 UT, after the news in Bahasa Indonesia; played again after the news in Chinese at 1514 UT.
(Ron Howard-CA-USA, via wwdxc BC-DX TopNews Jan 19)

IRAN - Reception of VIRI IRIB PARS TODAY in Kazakh at new time on 11700 kHz via Sirjan, February 1:

1123-1150 on 11700*SIR 500 kW / 018 deg to CAs Kazakh, ex 1253-1320. Fair/good via SDR Tambov, RUS
*till 1127UT 11700 KUN 500 kW / 177 deg to SEAs Indonesian China Radio International CRI co-channel
(DXMIX 1231)

IRIB PARSTODAY (Iran) via SIRJAN site: only 3 TX available since 13 June 2021 ! Since 22 January 2022, the IRIB PARSTODAY (Iran) broadcasts which had been missing since 13 June 2021 are back on shortwave:

1053-1120 UT (ex1223-1250 UT), 17595 kHz via SIR, Hausa
1123-1150 UT (ex1253-1320 UT), 11700 kHz via SIR, Kazakh
1423-1520 UT, 9870 kHz via ZAH (ex via SIR), Bengali [// 9620 kHz]
1653-1820 UT (ex1553-1720 UT), 9870 kHz via SIR, Turkish

The changed transmission times allow IRIB to still operate only up to 3 x transmitters in SIR (= Sirjan), and up to 2 x transmitters in ZAH (= Zahedan) at the same time.

The program in Pashto on 6040 kHz via ZAH is now scheduled at 1653-1750 UT (ex 1623-1720 UT).

IRIB B-21 schedule: <<http://ab27.bplaced.net/irb.pdf>>

(Alexander Busneag-D, wwdxc BC-DX TopNews / WOR Febr 1)

KOREA D.P.R. / KOREA Rep. of - KCBS 2350 kHz (Sariwon site). Reactivation of the Sariwon transmitter in North Korea on 2350 kHz (2349.39 kHz).

2349.393 kHz fair audio signal, at 13.10 UT Jan 20, S=8-9 signal in Hiroshima-JPN remotely. And //
 3250.001 kHz exact measured KCBS Pyongyang S=8-9 signal.

at 13.13 UT on Jan 20:

2350 2000-1800 KRE KCBS Pyongyang Kor Sariwon 2349.393
 3205 2000-1800 KRExKCBS Pyongyang DRM Kor Pyongyang nil signal
 3220 2000-1800 KRE KCBS Pyongyang Kor Hamnung 5 kW 3219.945
 3220 1800-2000 KRE PYONGYANG BS Kor Hamnung 5 kW 3219.945 very low modulation,
 S=6-7 at 13.15 UT, Jan 20.
 3250 2000-1800 KRE KCBS Pyongyang Kor Pyongyang 3250.001 S=8-9 signal at 13.14 UT on Jan 20.
 3320 2100-1900 KRE PYONGYANG BS Kor Pyongyang 3319.998
 S=9+5dB march mx army soldier spoken voice, military command strict voice at 13.18 UT
 on Jan 20.
 3480 0400-2400 KOR VOICE OF THE PEOPLE Kor Kyonggi-do 3480.010 S=9+20dB at 13.22 UT on Jan 20:
 3473 to 3487 kHz KRE jammer signal but not strong, not howl sirene tone type.
 3899.998 CHN PBS Hulun Buir Hailer in Chinese, S=7 at 13.25 UT Jan 20.
 3910 0247-0001 KRE North Korean Jamming Noi Kujang
 underneath bubble noise scratch jamming tone at 13.29 UT on Jan 20 of S=9+15dB:
 3910 0400-2400 KOR VOICE OF THE PEOPLE Kor Kyonggi-do 3909.966

Nothing today of

3920 2000-1800 KRE KCBS Pyongyang Kor Hyesan formerly heard in Oct 2021 on 3919.939 kHz at S=9+5dB
 signal.
 3925even JPN R Nikkei music progr, 13.30 UT S=9+15dB, 07.50-15.00 UT
 3930 0247-0001 KRE North Korean white noise 12 kHz wide jamming Noi Kujang.
 3930 0800-0400 KOR VOICE OF THE PEOPLE Kor Kyonggi-do 3930.004
 S=9+15dB at 13.33 UT Jan 20 on Perseus SDR unit at Hiroshima Japan.
 3945 0400-0601 KRE Echo of Unification Kor Pyongyang
 3945 1200-1401 KRE Echo of Unification Kor Pyongyang 3945.008 S=9+15dB at 13.35 UT on Jan 20.
 3945 2200-0001 KRE Echo of Unification Kor Pyongyang
 3949.959 CHN PBS Xinjiang Urumqi in Chinese, S=8 at 13.39 UT Jan 20.
 3959 2000-1800 KRE KCBS Pyongyang Kor Kanggye 3959.011 S=8 fair signal strength at 13.40 UT
 on Jan 20.
 3970 0400-0601 KRE Echo of Unification Kor Chongjin-Na
 3970 1200-1401 KRE Echo of Unification Kor Chongjin-Na 3969.834 S=9+10dB, but in the background you
 can hear their 'own' bubble jammer signal transmission intermodulation, of other fq channel.
 13.42 UT.
 3970 2200-0001 KRE Echo of Unification Kor Chongjin-Na
 3978 2000-1800 KRE v KCBS Pyongyang Kor Chongjin-Na nothing on air terrible jamming mix intermodulation
 3972 to 3982 kHz. 3980 kHz center at 13.44 UT on Jan 20.
 3985even CHN CNR2 Bussiness R Geermu Golmud RTC #916 transmission center S=8 at 13.48 UT on Jan 20.
 Not on 3985 to avoid Geermu China signal, rather on 3990 kHz these days
 3985 0400-2400 KOR ECHO OF HOPE-VOH Kor Hwaseong 3990.012
 3985 0247-0001 KRE North Korean Jamming Noi Kujang
 Yes 3990.012 kHz Jan 20: S=9+35dB, Beatles song played EoH/VoH at 13.50UT
 4450 0247-0001 KRE North Korean Jamming Noi Kujang
 4450 0800-0400 KOR VOICE OF THE PEOPLE Kor Kyonggi-do 4450.014 S=9+45dB + terrible powerhouse
 at 13.52 UT, accompanied by KRE heavy scratch + bubble noise jamming, howl buoy sirene tone
 40 kHz wideband siren mixture various signal. The most powerful KRE jammer on service.
 4557 2100-2000 KRE PYONGYANG BS Kor Pyongyang nothing on air
 at 13.54 UT Jan 20 only wideband CODAR wiper signal in 4557 - 4602 kHz
 4890 0800-0400 KOR ECHO OF HOPE-VOH Kor Seoul all EMPTY today
 [formerly 4880.004 kHz instead, S=9+30dB no jamming 17.38 UT in Oct, wb]
 Nothing on air on 4880 to 4990 kHz fq range at 14.10 UT on Jan 20.
 5858 0000-2400 KOR HLL Seoul Meteorolog. Kor Boseong S=7 on 5857.501 kHz at 14.26 UT on Jan 20.
 5905 0400-0601 KRE Echo of Unification Kor Pyongyang
 5905 1200-1401 KRE Echo of Unification Kor Pyongyang nothing at 14.29 UT on Jan 20.
 5905 2200-0001 KRE Echo of Unification Kor Pyongyang
 5920 0800-0400 KOR Voice of Freedom Kor Hwaseong
 5919.993 kHz and heavy scratch + bubble noise jamming formerly at 18.46 UT in Oct, but empty today Jan 20
 at 14.30 UT.
 5995 0247-0001 KRE North Korean Jamming Noi Kujang
 5995 0400-2400 KOR ECHO OF HOPE-VOH Kor Hwaseong
 {formerly in Oct 2021 5995.031 kHz excellent S=9+40dB powerhouse, at 17.44 UT, slight scratch + bubble noise
 jamming.}
 But today Jan 20 at 14.36 UT no signal on 5995 to 6005 kHz range heard from KOR nor KRE origin. Only
 6000even CHN CNR1 Beijing RTC center #572 heard in Tokyo Japan.
 6015 0247-0001 KRE North Korean Jamming Noi Kujang
 6015 0350-0002 KOR KBS Hanminjok Bangsong1KorHwaseong
 Nothing heard of KBS Korea program at 14.40 UT on Jan 20. only poor S=8-9 bubble and scratch jammer on
 6015.065 kHz, two bubbler fqs of +/-minus 850 and 1700 Hertz jump !
 6048 0247-0001 KRE North Korean Jamming Noi Kujang but 3 kHz down frequency at 14.48 UT
 6044.992 kHz instead of S=7-8 jamming against nothing ?
 6100 0245-0855 KRE KCBS Pyongyang Kor Kanggye
 6100 2000-0255 KRE KCBS Pyongyang Kor Kanggye
 6100 0845-1800 KRE KCBS Pyongyang Kor Kanggye

6100even, underneath at 14.52 UT on Jan 20 at Hiroshima. Ahead is 6100even CHN CNR Hutubi RTC #201 transmitter in Mongolian instead.

6135 0247-0001 KRE x North Korean JammingNoi Kujang nil, empty channel at 15.10 UT on Jan 20.

6160.003 kHz 2100-1800 KRE PYONGYANG BS Kor Kanggye S=9+10dB symphonic mx female singer at 15.05 UT on Jan 20. But in the background you can hear their 'own' bubble and scratch jammer signal transmission intermodulation on mixed on their broadcast site at Kanggye, of other different fq channel interference !

Nothing heard on 6245 nor 6255 kHz channel,
6255 0800-0400 KOR ECHO OF HOPE-VOH Kor Seoul
6255 0247-0001 KRE North Korean Jamming Noi Kujang
But only light scratch jamming signal, noted on 6250 kHz nothing of 6244.998 kHz KOR ECHO OF HOPE-VOH rather scratch signal jamming of KRE S=9+10dB in Hiroshima at 15.20 UT on Jan 20,
6350 0400-2400 KOR ECHO OF HOPE-VOH Kor Hwaseong
6350 0247-0001 KRE North Korean Jamming Noi Kujang today 6355 kHz
6355.031 kHz underneath poor signal of KOR ECHO OF HOPE-VOH Kor Hwaseong transmitter, but ahead heard jammer of KRE North Korean Jamming Noi Kujang on S=9+20dB strength level.
6520 0247-0001 KRE North Korean Jamming Noi Kujang
6520 0400-2400 KOR VOICE OF THE PEOPLE Kor Kyonggi-do
6520.013 kHz S=9+10dB, moderate smallband 5 kHz scratch jamming.
6600 0247-0001 KRE North Korean Jamming Noi Kujang
6600 0800-0400 KOR VOICE OF THE PEOPLE Kor Kyonggi-do not heard
6599.991 kHz, S=9+10dB, scratch + bubble jammer, only smallband 5 kHz wide fountain deep antenna signal.
9105 0800-0400 KOR ECHO OF HOPE-VOH Kor Seoul not - nil, but on 9099.996 kHz instead, S=7-8 strength on winter propagation condition, at 15.40 UT on Jan 20.

[selected SDR options, span 12.5 kHz RBW 15.3 Hertz] (wb df5sx, wwdxc BC-DX TopNews Jan 20)

KOREA REP. OF - Observations on Jan 17 (Monday):

Echo of Hope - VOH: 3990 // 4885 // 6000 // 6250 // 6355 // 9100 kHz, at 1114 UT; these changes should be good through Jan 23 (Sunday). Noted VOH (6355 kHz) before 1046 UT, with very good reception; covered at *1046 UT, start of the North Korea jamming.

Voice of the People - no change from last week; 3910 // 3930 // 3480 kHz (continues to be the best reception!) // 4450 // 6520 // 6600 kHz, at 0950 UT.
(Ron Howard-CA-USA, via wwdxc BC-DX TopNews Jan 17)

LIBERIA - Shortwave schedule of Radio ELWA:

0530-1000 6050 MNR 001 kW non-dir to WAF English/Vernaculars
1700-2230 6050 MNR 001 kW non-dir to WAF English/Vernaculars

6050 kHz 0702 UT. LIBERIA ELWA Monrovia weak w/loud American evangelist on 6049.972measured kHz. Carrier also evident at 1815 UT but never get audio at this time. Dec 12.
(BCM - Bryan Clark from Tern Point, Mangawhai-NZL. NZDXT via NZ DX Times Jan 2022, direct and WOR also Jan 5)

LIBERIA checked on Jan 4th on odd fq 6049.972 kHz, and today 5th again:
these days much very tiny signal 'under the sword'.

6049.973 kHz Radio ELWA Liberia, Jan 5th at 07.16 UT in Perseus units at Switzerland, Bavaria and Netherlands, -109dBm tiny signal, and at 07.22 UT -113dBm in Massachusetts US northeastern state. No chance to get program details so far ... on this side of the world.
[selected SDR options, span 12.5 kHz RBW 15.3 Hertz] (wb df5sx, wwdxc BC-DX TopNews Jan 5)

MADAGASCAR / UAE - Frequency changes of BBCWS via ENC-DMS via Al Dhabbayya / Talata Volonondry:

0500-0600 NF15525 DHA 250 kW 225deg to ECAF English, ex15420*kHz from January 26
0600-0800 NF15525 MDC 250 kW 315deg to ECAF English, ex15420*kHz from January 26
*to avoid on 15415 KUN 150 kW 135deg to SEAs Chinese CNR-1 progr Voice of China
in DRM digital mode
(Ivo Ivanov-BUL, hcdx via wwdxc BC-DX Topnews Jan 26)

MALI - 13645 kHz on Jan 11 at 17.28 UT, one of best signals on band, S9-S7 in talk with drumming, CRI or rather CGTN Radio in Swahili via Bamako II, which is 100 kW at 111 degrees aimed right at Dar es Salaam East Africa. So why is it so good over here, not directly offback 291 degrees, but hits Habana barely missing USA.

(gh, hcdx and WOR Jan 11)

MYANMAR - 7345 kHz Thazin Radio from Pyin Oo Lwin of Myawaddy Radio center Myanmar {not Nay Pyi Daw, which is 210 kilometers south location instead, wb.}, poor-fair signal in the usual mix with CNR-7 which is depressed this morning. At 1315 UT while China in Cantonese talks by OM and YL, Thazin underneath and playing bouncy local folk pops. Neither very good but easy to tell them apart. Thazin Radio with YL anmts at 1315 UT. Things harder from 1317 UT when China starts playing mx too.

(Ralph Perry, Wheaton-IL-USA, Naswa Electronic Flashsheet #1030 Jan 9)

5985 kHz Myanmar Radio; slightly less than semi-readable; 1530 UT, Jan 19. Into English segment; news & sports; "This is Myanmar Radio. Here is the weather news," plus "outlook for the next two days"; seemed to be several lists of gov't agendas/slogans; PSA about travel restrictions for COVID-19, given by native speaker of English ("presented by UNESCO and your local radio station"); PSA in Burmese; pop song (One Direction - "Drag Me Down," etc.); 1558 UT, mostly blocked by the start of CRI; after 1600 UT, Myanmar was not in English, but had Buddhists chanting.

5985 kHz, with anomaly or change of schedule? Jan 16, tuned in at 1007 UT, to hear Myanmar on very early; for over a year, had heard their normal 1130 UT; today also noted Myanmar was not on the air as usual on 9730 kHz. On Jan 17, heard MR (5985 kHz) at 0940 UT, again with no 9730 kHz. So for two consecutive days heard well before 1130 UT and with no 9730 kHz (without Myanmar on 9730 kHz, I am hearing SOH [// 6214.95* kHz]). Needs more monitoring.

BTW - 5985 is now blocked at *1055 UT, with strong NHK IS and 1100 UT in Russian.

(Ron Howard-CA-USA, wwdxc BC-DX TopNews Jan 19) * 6214.963 kHz 19.10 UT

NETHERLANDS - Reception of Offshore Music Radio OMR Rockpower on new 7575 kHz via Nijmegen, January 29:

0600-2400 NF 7575 NIJ 001 kW / 000 deg to NEu Dutch, ex 7280. Weak/fair signal via SDR Heimiswil, SUI
0000-2400 on 7280 NIJ 001 kW / 000 deg to NEu Dutch Daily OMR Rockpower in latest B-21 HFCC Database!

Very good signal of Radio Piepzender relay Radio Classic Sunday on 6184.9v kHz via Zwolle, January 30 from 0830 on 6184.9v ZWO 001 kW / non-dir to WEu Dutch/EE program about Radio Luxembourg via SDR Heimiswil, SUI. (DXMIX 1231)

NIGERIA - 7254.94 kHz their normal off frequency, VON on early from 0527 to 0557 UT, on Jan 8. Playing non-stop pop songs in English (Celine Dion - "It's All Coming Back to Me Now," etc.); 0527-0531 UT, xmtr on and off for about a minute each time, also modulation adjusted from low to higher level; 0557 UT, VON IS (pop African music); by 0623 UT, with good reception (strong signal). Do not recall hearing them testing like this before!

(Ron Howard, Asilomar State Beach-CA-USA, via wwdxc BC-DX Topnews Jan 8)

NORTHERN MARIANAS - Very good signal of Hope Radio 9965 kHz via T8WH Angel 5 Medorn (Palau) January 6 till 0850 9965 HBN 100 kW 345 deg to NoEaAS English Thursday via SDR Kanuma Tichigi, JPN

T8WH Angel 4

0840-0935 15680 HBN 100 kW 270 deg to SEAs English Sa

0110-0220 15680 HBN 100 kW 270 deg to SEAs English Su

0810-0920 15680 HBN 100 kW 270 deg to SEAs English Su

T8WH Angel 5

0805-0835 9965 HBN 100 kW 345 deg to NEAs English Mo/Tue

0805-0850 9965 HBN 100 kW 345 deg to NEAs English Wed-Fr

0840-0935 9965 HBN 100 kW 345 deg to NEAs English Sa

0810-1220 9965 HBN 100 kW 345 deg to NEAs English Su

T8WH Angel 3 - test transmissions - very rarely

0900-1200 9930 HBN 100 kW 318 deg to EAs English, irreg.

(DX MIX, Jan 6)

9965 kHz Fr Jan 21 at 0800 UT, I am unfortunately awake and find something here with gospel rock song, S=9+10dB, fades to S5. Got to be T8WH or whatever its true callsign be now. EiBi list shows:

9965 0805-0835 Mo-Tu USA Hope Radio 5 E FE /PLW
 9965 0805-0850 We-Fr USA Hope Radio 5 E FE /PLW
 9965 0810-1220 Su USA Hope Radio 5 E FE /PLW
 9965 0840-0935 Sa USA Hope Radio 5 E FE /PLW

So it's Palaw?

Aoki database shows a much more convoluted schedule attempting to account for music breaks and individual program names, but not before 0807 UT, and as late as -1135 UT on Sundays. HFCC shows 9965 kHz available 24 hours for "HBN", 100 kW at 345 degrees in English or Mandarin.

(gh, WOR Jan 27)

PHILIPPINES - FEBC R.Teos on 9920 kHz via Bocaue, February 6:

1500-1300 on 9920 BOC 100 kW / 323 deg to CAs Russian Sun
 1530-1545 on 9920 BOC 100 kW / 323 deg to CAs Ukrainian Sun
 1545-1600 on 9920 BOC 100 kW / 323 deg to CAs Russian Sun
 Wrong time and frequency announcement 1900-2000MST on 11650
 instead 1800-1900MST on 9920 kHz. Good via SDR Tambov, RUS.
 (DXMIX #1232)

Reception of FEBC Radio in dialect Mo on 15330 kHz via Bocaue, February 2:

1115-1200 on 15330 BOC 100 kW / 278 deg to SEAs Mon/Karen. Fair/good via SDR Tambov, RUS

Reception of Vatican Radio on 7485 and 9720 kHz via USAGM Tinang, January 29:

1230-1234 on 7485 PHT 250 kW / 332 deg to EAs open carrier / dead air / later start of audio,
 1230-1234 on 9720 PHT 250 kW / 315 deg to EAs open carrier / dead air / later start of audio,
 1234-1315 on 7485 PHT 250 kW / 332 deg to EAs Chinese Mass Sat. Very good via SDR Tambov, RUS
 1234-1315 on 9720 PHT 250 kW / 315 deg to EAs Chinese Mass Sat. Fair/good via SDR Tambov, RUS
 (DXMIX #1231)

ROMANIA - Radio Romania International (RRI) in Ukrainian back on Shortwave Saftica rotatable TCI-521 antenna of 2008 year. Radio Romania International in Ukrainian had been off-air from 02 Nov 2021 to 03 Jan 2022 due to a technical problem with the rotatable antenna in Saftica (pronunciation ? "Seftika"):

<<https://www.rri.ro/files/saftica-antenarotativanoua580.jpg>>

<<https://www.tcibr.com/product/tci-model-521-rotatable-log-periodic-antenna/>>

The problem has been solved, and the broadcasts are back on Shortwave, power 100 kW since 04 Jan 2022:

1600-1630 UTC on 5955 kHz
 1800-1830 UTC on 5955 kHz
 2000-2030 UTC on 5930 kHz
 <https://www.rri.ro/uk_uk/frecvente-263>

Radio Romania International B-21 (full schedule): <<http://ab27.bplaced.net/rri.pdf>>

(Alexander-Busneag-D, WOR and direct Jan 10)

S=9+30dB powerful signals in Cape Canaveral FL site remotely from both Galbeni and Tiganesti sites on NoAM and LatinAM sces 5910, 5990, and 7325 kHz both at 01.30 and 01.42 UT. RRI Bucharest Spanish and Romanian language sces. (wb df5sx, wwdxc BC-DX TopNews Jan 15)

Frequency changes of R Romania International in English to India / SAsia target:

0400-0456 UT NF15260* GAL 90 kW / 100 deg to SAs English tx#2 DRM, ex11790 AM mode &
 0400-0456 UT NF17700* TIG 90 kW / 97 deg to SAs English tx#2 DRM, ex13720 DRM mode.

*effective from January 12 according to RRI website, BUT NOT REGISTERED IN B-21 HFCC.

(Ivo Ivanov-BUL, hcdx via wwdxc BC-DX Topnews Jan 14)

Unknown program on 15400 kHz at 16:00 UT on Jan 26:

300 kW at Ciraf 38-41,47,48 ITU zones. Mo-Sa, exc.Thur. ID as "IRRS Milano". Music interval from Carmen (Toreador). Not listed, seems to be heavily jammed. Sounds to my ears as one of the Ethiopian languages.

(Arthur Pozner-USA, WOR Jan 26)

New clandestine broadcast of NEXUS IBA IRRS Shortwave via RADIOCOM Galbeni:

1600-1629 15400 GAL 300 kW 140 deg to Eaf Afan Oromo Mo-Wed/Fr/Sa from January 21
Weak/poor signal of this unknown clandestine broadcast via SDR Tambov Russia on January 26.
(Ivo Ivanov-BUL, hcdx via wwdxc BC-DX Topnews Jan 27)

5990 kHz Radio Romania Int'l via Galbeni bcst center, w/IS and s/on in En service, including schedule for satellite outlets, then En News read by YL, including items re COVID, the Russia/Ukraine kaffuffle going on, NATO's response & other news. At :07 into Weekend Review of Focus on Romania with stories about details of the increase in COVID cases in Romania since the start of the year, a discussion of Romania's joining the EU, the increase in Romania's minimum wage that just took effect, (but they didn't actually say what the new wage is!) & details of the anniversary of a club fire that killed many in Bucharest in 2015.

At :14 into some music with 'song of the day'. At :18 "World of Culture" with tx re film awards. At :25 into "Encyclopedia" w/tx re the history of the Romanian wine industry. At :30 into "All that Jazz" with some nice Romanian jazz selections! At :42 into "DX Mailbag" with letters from people who don't exist (nobody listens to SW so these folk who write must be figments, right?) from Egypt, India, Bangladesh, Scotland, UAE, PR China & New Brunswick.

They also provided an unbelievably complicated "Spotify" URL that the En service of RRI is apparently now available on. At :52 into "Simply Folk" Folk music programme. ID & schedule for next En broadcast read by OM & also mentioned the web URL. Ident tune & IS starting at :55. 44+443+ with splatter from RHC on 6000 kHz & noise making tuning a bit of a challenge. Co-Ch from CRI via Cuba at 1st, but that was done by 0100 UT so not really an issue. *0059-0156* Jan 9 decoded from the IQ recording. (Zichi-MI-USA, MARE Tipsheet item Jan 14, via WOR)

SINGAPORE - 7355 kHz BBC Kranji, Jan 26 at 1624 UT, English language lesson for Koreans, "the most serious", S=9/+10dB and hardly anything else left on 40m SWBC band, not even NZ 7390 kHz scheduled until 1650 UT. It's BBC via Kranji at 1530-1830 UT, 250 kW at 25 degrees, which is aimed across Alaska right at Enid far beyond; but should be useful for any North Koreans around here. (gh, via NASWA Electronic Flashsheet #1033 Jan 30)

SPAIN - 12030 kHz, Wed Jan 26 at 1618 UT, S=9+10dB of dead air in Spanish from REE; while JBA 11685 kHz is modulating talk at 1620 UT, but 12030 kHz is still dead: the E hemisphere channels, while the WHem ones 9690 kHz & 11940 kHz will not be on until 1900 UT weekdays.

11685 kHz Jan 23 at 1608 UT, REE Noblejas still here toward Africa, VP compared to ME 12030 kHz which is also better than 'our' frequency, 9690 kHz. But there is also a JBA carrier on 11670 kHz, which may be why REE went back to 11685 kHz. ... (gh, WOR Jan 27)

Now back on ITU/HFCC requested 11685 kHz, replaced 11670 kHz which was in use in Oct/Nov/DEC recently: 11685 kHz at 19.00 UT on Jan 27. To zones CIRAF 46,47,52,57, at 161 degrees azimuth. Showed S=9+10 or -71dBm signal in Johannesburg, RSA at: <<http://kiwisdr.r7d.xyz:8073/>> (wb df5sx)

SRI LANKA - 9900 kHz BBC via SLBC Trincomalee relay, Bengali service, Jan 22; interesting that this heard so well, a very nice signal at 1345 UT with woman nx reader introducing remote reporters. Light echo. Funny how sometimes Trincomalee xmsns are only a whisper here, other times fine. Beam must explain a lot of that. In this case, their 15 degree heading goes right at Salt Lake City. Works fine for all of North America.
(Ralph Perry-IL-USA, via NASWA Electronic Flashsheet #1032, Jan 24)

9900.004 kHz at 13.35 UT Jan 24, S=9+20dB strength noted in Delhi India SDR remotely. 13.30-14.00 UT, 125 kW at 15degr azimuth to zone 41NE, via ITU #146 dipol curtain antenna array. ENC brokered. (wb df5sx)

TAIWAN - Radio NUG old schedule. {NUG opposite Myanmar radio via Pao Chung / Baozhong Taiwan relay} According to their Facebook page, opposite radio R. NUG changed its schedule on January 1. The 0200 UT service was noted here on 17790 kHz with a good signal. I have not checked the evening service yet.
(Rob Wagner-Vic-AUS VK3BVW, BrDXC-UK / WOR Jan 10)

Radio NUG new schedule. {NUG opposite Myanmar radio}

Radio NUG's F_Book page has an announcement of a new schedule on December 31 as a pinned post:

8:30 AM - 9:00 PM, 16 meters, 17.790 MHz

8:30 PM - 9:00 PM, 25 meters, 11.940 MHz

Burmese time which would be 0200-0230 and 1400-1430 UTC.

Scrolling down at 1445 UT this is the video stream of today's 1400 UT broadcast posted just before it started. First announcement is in English announcing the new schedule. No confirmation yet that I am aware of confirming the new schedule. (Mike Barraclough-UK, WOR Jan 9)

NUG Myanmar - BRB via Pao Chung TWN
BRB Broadcast Belgium, Mr. Ludo Maes, tel. +32 33147800
<ludo.maes -at- broadcast.be>

Ludo of BRB is the brokery of NUG via shortwave at Pao Chung, TWN outlet.

from Jan 5th onwards move to 11940 kHz instead
2022-01-05 14:02:01 capture: AM 11940 (XXX) BRB MYA
2022-01-05 14:02:21 email: 2201051402 at BANG11940BRBMYA .mp4
(wb df5sx, wwdxc BC-DX TopNews Jan 9)

National Unity Radio / Radio Free Chosun on 6115 kHz via Tamsui on January 15:
1100-1258 on 6115 TSH 300 kW / 352 deg to NEAs Korean. Fair/good via SDR Kanuma Tichigi, JPN remotely.
(Ivo Ivanov-BUL, direct and hcdx via wwdxc BC-DX Topnews Jan 16)

U.A.E. - 17730 kHz Mizzima Radio - via ENC Dhabayya. S/on 1159 UT with intro music, clear ID and intro anncts in Burmese at 1200 UT, news at 1202 UT. Music at 1116 UT to introduce a commentary program. Good signal except for some slight carrier hum Jan 11. This is a new clandestine stn on shortwave but the organisation behind Mizzima has been around since 1998, founded by veteran journalists of Myanmar's 1988 pro-democracy uprising.
(Rob Wagner VK3BVW, Mount Evelyn-Vic-AUS; Naswa Electronic Flashsheet #1031 Jan 23)

9540even ENC brokered sce via Al Dhabbaya UAE relay site, as IBRA Media / R Ibrahim in Tigre language, and suffer by WHITE NOISE JAMMING by - probably - Ethiopian Gedja signal, S=8-9 at 17.30-17.59 UT 9540.108 kHz odd frequency though!
[selected SDR options, span 12.5 kHz RBW 15.3 Hertz] (wb df5sx, wwdxc BC-DX TopNews Jan 26)

UNITED KINGDOM - Die BBC feiert 2022 ihren 100. Geburtstag. Zum Start ins Jubilaeumsjahr wurden am 3. Januar 2022 drei Online-Ausstellungen frei geschaltet. Bei <<https://www.bbc.co.uk/100>> findet man neben der Timeline Sammlungen zu 100 Objekten, 100 Persoenlichkeiten und 100 Stimmen, die fuer die BBC kennzeichnend waren. Weitere virtuelle Ausstellungen sind geplant, so in Kooperation mit dem British Film Institute 100 game changers im Fernsehen.
(Dr. Joern Krieger / Dr. Hansjoerg Biener-D, addx Febr 2002, via wwdxc BC-DX TopNews Jan 16)

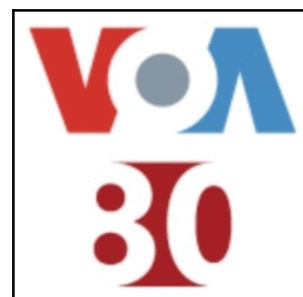
Follow The Bible Ministries in English on 12010 kHz via ENC-DMS Ascension, February 6:
1900-1928 on 12010 ASC 250 kW / 115 deg to SAf English Sun. Good signal via SDR Tambov, Russia
(DX MIX #1232)

UKRAINE - The medium wave transmitter of Army FM, the radio station of the Ukrainian army, has been in test service since December 26 at 810 kHz. 10 kW. The transmitter is located on Terikonna Street in Hirmyk west of Donetsk 48 02 27.1 N 37 22 02.5 E

The station uses a 190 meter high mast owned by Telemerezhi Ukrainy LLC. This mast was already used by Army FM for its FM broadcasts on 92 MHz, it also broadcasts many other TV and FM programs. (Michel Fremy-BEL, WOR Jan 4)

U.S.A. - Happy Birthday VoA! Beginning February 1, 1942, the external service of the U.S.A. started, at first using long- and mediumwave broadcasting stations of the BBC. The first foreign language was German. Bethany in Ohio was the first own shortwave site to come in use in 1944, some 14 own ones all around the world followed, nowadays mostly history.

For Europe there are no more own programmes (those jazz hours ...), but you can listen to English for (Northern) Africa via Botswana on 15580 from 1400 to 1630, and 1400 to 1730 on 17895 via Sao Tomé. (we)



<<https://www.voa80.com/introduction/>>
<<https://www.insidevoa.com/a/6410442.html>>

<<https://www.insidevoa.com/a/3794247.html>>

<<https://bbgwatch.com/bbgwatch/80-years-of-voa-different-names-of-the-voice-of-america/>>

Winter B-21 schedule of United States Agency for Global Media (USAGM) - Voice of America VOA; Radio Ashna; Radio Marti and Deewa Radio:

0000-0030	on	6150	UD0	250	kW	/	280	deg	to	SEAs	Burmese	Voice	of	America
0000-0030	on	9335	PHT	250	kW	/	283	deg	to	SEAs	Burmese	Voice	of	America
0000-0030	on	9380	PHT	250	kW	/	270	deg	to	SEAs	Burmese	Voice	of	America
0000-0030	on	5890	KWT	250	kW	/	070	deg	to	CAs	Tibetan	Voice	of	America
0030-0100	on	5890	UD0	250	kW	/	316	deg	to	CAs	Tibetan	Voice	of	America
0000-0100	on	6125	GB	250	kW	/	174	deg	to	Cuba	Spanish	Tue-Sa	TV	Marti
0000-0100	on	7375	GB	250	kW	/	183	deg	to	Cuba	Spanish	Radio	Marti	
0000-0100	on	7435	GB	250	kW	/	184	deg	to	Cuba	Spanish	Radio	Marti	
0000-0100	on	7560	UD0	250	kW	/	006	deg	to	EAs	Chinese	Voice	of	America
0000-0100	on	7580	KWT	250	kW	/	078	deg	to	CAs	Tibetan	Voice	of	America
0000-0100	on	9565	GB	250	kW	/	164	deg	to	Cuba	Spanish	Radio	Marti	
0000-0100	on	9670	UD0	250	kW	/	311	deg	to	CAs	Tibetan	Voice	of	America
0000-0100	on	9880	UD0	250	kW	/	030	deg	to	EAs	Chinese	Voice	of	America
0000-0100	on	11945	PHT	250	kW	/	332	deg	to	EAs	Chinese	Voice	of	America
0000-0100	on	15425	PHT	250	kW	/	349	deg	to	EAs	Chinese	Voice	of	America
0030-0100	on	7290	KWT	250	kW	/	070	deg	to	WAs	Pashto	Radio	Ashna	
0030-0100	on	7495	UD0	250	kW	/	304	deg	to	WAs	Pashto	Radio	Ashna	
0100-0130	on	7290	KWT	250	kW	/	070	deg	to	WAs	Dari	Radio	Ashna	
0100-0130	on	7495	UD0	250	kW	/	304	deg	to	WAs	Dari	Radio	Ashna	
0100-0200	on	6030	GB	250	kW	/	205	deg	to	Cuba	Spanish	Radio	Marti	
0100-0200	on	6125	GB	250	kW	/	174	deg	to	Cuba	Spanish	Tue-Sat	TV	Marti
0100-0200	on	7365	GB	250	kW	/	183	deg	to	Cuba	Spanish	Radio	Marti	
0100-0200	on	7435	GB	250	kW	/	225	deg	to	Cuba	Spanish	Radio	Marti	
0100-0200	on	7470	LAM	100	kW	/	092	deg	to	WAs	Pashto	Deewa	Radio	
0100-0200	on	7530	KWT	250	kW	/	070	deg	to	WAs	Pashto	Deewa	Radio	
0100-0200	on	9765	UD0	250	kW	/	300	deg	to	WAs	Pashto	Deewa	Radio	
0130-0200	on	7290	BIB	100	kW	/	088	deg	to	WAs	Pashto	Radio	Ashna	
0130-0200	on	7495	KWT	250	kW	/	070	deg	to	WAs	Pashto	Radio	Ashna	
0130-0230	on	9335	UD0	250	kW	/	280	deg	to	SEAs	Burmese	Voice	of	America
0130-0230	on	11820	PHT	250	kW	/	283	deg	to	SEAs	Burmese	Voice	of	America
0130-0230	on	15110	PHT	250	kW	/	283	deg	to	SEAs	Burmese	Voice	of	America
0200-0230	on	7495	KWT	250	kW	/	070	deg	to	WAs	Dari	Radio	Ashna	
0200-0230	on	12140	UD0	250	kW	/	300	deg	to	WAs	Dari	Radio	Ashna	
0200-0300	on	6030	GB	250	kW	/	205	deg	to	Cuba	Spanish	Radio	Marti	
0200-0300	on	6125	GB	250	kW	/	174	deg	to	Cuba	Spanish	Tue-Sat	TV	Marti
0200-0300	on	7365	GB	250	kW	/	225	deg	to	Cuba	Spanish	Radio	Marti	
0200-0300	on	7435	GB	250	kW	/	183	deg	to	Cuba	Spanish	Radio	Marti	
0200-0300	on	7470	LAM	100	kW	/	092	deg	to	WAs	Pashto	Deewa	Radio	
0200-0300	on	7530	KWT	250	kW	/	070	deg	to	WAs	Pashto	Deewa	Radio	
0200-0300	on	9765	UD0	250	kW	/	300	deg	to	WAs	Pashto	Deewa	Radio	
0300-0400	on	4930	BOT	100	kW	/	020	deg	to	SAf	English	Voice	of	America
0300-0400	on	6030	GB	250	kW	/	205	deg	to	Cuba	Spanish	Radio	Marti	
0300-0400	on	6080	SA0	100	kW	/	138	deg	to	CSAf	English	Voice	of	America
0300-0400	on	6125	GB	250	kW	/	174	deg	to	Cuba	Spanish	Tue-Sat	TV	Marti
0300-0400	on	7355	GB	250	kW	/	183	deg	to	Cuba	Spanish	Radio	Marti	
0300-0400	on	7435	GB	250	kW	/	225	deg	to	Cuba	Spanish	Radio	Marti	
0300-0400	on	7470	LAM	100	kW	/	092	deg	to	WAs	Pashto	Deewa	Radio	
0300-0400	on	7530	KWT	250	kW	/	070	deg	to	WAs	Pashto	Deewa	Radio	
0300-0400	on	9765	UD0	250	kW	/	300	deg	to	WAs	Pashto	Deewa	Radio	
0300-0400	on	9775	BOT	100	kW	/	350	deg	to	CeAf	English	Voice	of	America
0300-0400	on	17865	PHT	250	kW	/	315	deg	to	CAs	Tibetan	Voice	of	America
0300-0400	on	21600	PHT	250	kW	/	315	deg	to	CAs	Tibetan	Voice	of	America
0300-0400	on	21785	PHT	250	kW	/	283	deg	to	CAs	Tibetan	Voice	of	America
0330-0400	on	9510	SMG	250	kW	/	146	deg	to	EAF	Somali	Voice	of	America
0330-0400	on	9825	LAM	100	kW	/	132	deg	to	EAF	Somali	Voice	of	America

0330-0400 on 11875 DHA 250 kW / 215 deg to EAF Somali Voice of America
 0330-0430 on 7275 SAO 100 kW / 100 deg to SAF Kirundi Voice of America
 0330-0430 on 7460 BOT 100 kW / 010 deg to SAF Kirundi Voice of America
 0330-0430 on 9885 SAO 100 kW / 100 deg to SAF Kirundi Voice of America
 0400-0500 on 6030 GB 250 kW / 205 deg to Cuba Spanish Radio Marti
 0400-0500 on 7355 GB 250 kW / 183 deg to Cuba Spanish Radio Marti
 0400-0500 on 7435 GB 250 kW / 225 deg to Cuba Spanish Radio Marti
 0400-0500 on 4930 BOT 100 kW / 020 deg to SoAf English Voice of America
 0400-0500 on 4960 SAO 100 kW / 030 deg to WCAf English Voice of America
 0400-0500 on 6080 SAO 100 kW / 138 deg to CSAf English Voice of America
 0400-0500 on 6175 BOT 100 kW / 350 deg to ZWE English/Shona/Ndebele Mon-Fri VOA
 0400-0500 on 7255 SAO 100 kW / 126 deg to ZWE English/Shona/Ndebele Mon-Fri VOA
 0400-0500 on 9775 BOT 100 kW / 350 deg to CAf English Voice of America
 0400-0500 on 15610 UDO 250 kW / 316 deg to CAs Tibetan Voice of America
 0400-0500 on 17865 PHT 250 kW / 315 deg to CAs Tibetan Voice of America
 0400-0500 on 21620 PHT 250 kW / 315 deg to CAs Tibetan Voice of America
 0430-0505 on 7275 SAO 100 kW / 100 deg to SAF Kirundi Mon-Fri Voice of America
 0430-0505 on 7460 BOT 100 kW / 010 deg to SAF Kirundi Mon-Fri Voice of America
 0430-0505 on 9885 SAO 100 kW / 100 deg to SAF Kirundi Mon-Fri Voice of America
 0505-0530 on 7275 SAO 100 kW / 100 deg to SAF English Mon-Fri Voice of America
 0505-0530 on 7460 BOT 100 kW / 010 deg to SAF English Mon-Fri Voice of America
 0505-0530 on 9885 SAO 100 kW / 100 deg to SAF English Mon-Fri Voice of America
 0500-0530 on 4960 SAO 100 kW / 030 deg to WCAf Hausa Voice of America
 0500-0530 on 6020 SAO 100 kW / 000 deg to WCAf Hausa Voice of America
 0500-0530 on 6170 ASC 250 kW / 027 deg to WCAf Hausa Voice of America
 0500-0600 on 4930 BOT 100 kW / 020 deg to SAF English Voice of America
 0500-0600 on 6080 SAO 100 kW / 020 deg to WCAf English Voice of America
 0500-0600 on 15560 UDO 250 kW / 316 deg to CAs Tibetan Voice of America
 0500-0600 on 15580 BOT 100 kW / 350 deg to CAf English Voice of America
 0500-0600 on 17865 PHT 250 kW / 315 deg to CAs Tibetan Voice of America
 0500-0600 on 21760 PHT 250 kW / 315 deg to CAs Tibetan Voice of America
 0530-0630 on 4960 SAO 100 kW / 030 deg to WCAf French Mon-Fri Voice of America
 0530-0630 on 6020 SAO 100 kW / 335 deg to WCAf French Mon-Fri Voice of America
 0530-0630 on 9885 SMG 250 kW / 175 deg to WCAf French Mon-Fri Voice of America
 0530-0630 on 13830 BOT 100 kW / 010 deg to CAf French Mon-Fri Voice of America
 0600-0700 on 6080 SAO 100 kW / 000 deg to WCAf English Voice of America
 0600-0700 on 9550 SAO 100 kW / 124 deg to CSAf English Voice of America
 0600-0700 on 15580 BOT 100 kW / 350 deg to CAf English Voice of America
 0700-0730 on 4960 SAO 100 kW / 030 deg to WCAf Hausa Voice of America
 0700-0730 on 12070 SMG 250 kW / 175 deg to WCAf Hausa Voice of America
 0700-0730 on 15580 BOT 100 kW / 350 deg to WCAf Hausa Voice of America
 0830-0900 on 12030 SAO 100 kW / 100 deg to WCAf French Wed/Sat Voice of America
 0830-0900 on 15715 SMG 250 kW / 175 deg to WCAf French Wed/Sat Voice of America
 0830-0900 on 17700 BOT 100 kW / 350 deg to WCAf French Wed/Sat Voice of America
 0900-1000 on 9795 PHT 250 kW / 349 deg to EAs Chinese Voice of America
 0900-1000 on 11650 UDO 250 kW / 006 deg to EAs Chinese Voice of America
 0900-1000 on 13830 UDO 250 kW / 030 deg to EAs Chinese Voice of America
 0900-1000 on 15150 UDO 250 kW / 030 deg to EAs Chinese Voice of America
 0900-1000 on 17720 UDO 250 kW / 030 deg to EAs Chinese Voice of America
 1000-1100 on 9795 PHT 250 kW / 349 deg to EAs Chinese Voice of America
 1000-1100 on 9825 PHT 250 kW / 332 deg to EAs Chinese Voice of America
 1000-1100 on 11650 UDO 250 kW / 006 deg to EAs Chinese Voice of America
 1000-1100 on 13830 UDO 250 kW / 030 deg to EAs Chinese Voice of America
 1000-1100 on 15150 UDO 250 kW / 030 deg to EAs Chinese Voice of America
 1030-1100 on 13580 KWT 250 kW / 185 deg to EAF Somali Voice of America
 1030-1100 on 15710 SAO 100 kW / 076 deg to EAF Somali Voice of America
 1030-1100 on 17545 UDO 250 kW / 272 deg to EAF Somali Voice of America
 1100-1130 on 12030 SAO 100 kW / 335 deg to WCAf French Sat Voice of America
 1100-1130 on 13750 BOT 100 kW / 010 deg to WCAf French Sat Voice of America
 1100-1130 on 15715 BOT 100 kW / 350 deg to WCAf French Sat Voice of America

1100-1130 on 17850 SMG 250 kW / 195 deg to WCAf French Sat Voice of America
 1100-1200 on 5980 GB 250 kW / 172 deg to Cuba Spanish Radio Marti
 1100-1200 on 6030 GB 250 kW / 205 deg to Cuba Spanish Radio Marti
 1100-1200 on 7355 GB 250 kW / 183 deg to Cuba Spanish Radio Marti
 1100-1200 on 9825 PHT 250 kW / 349 deg to EAs Chinese Voice of America
 1100-1200 on 11660 PHT 250 kW / 349 deg to EAs Chinese Voice of America
 1100-1200 on 12080 PHT 250 kW / 332 deg to EAs Chinese Voice of America
 1100-1200 on 15150 UDO 250 kW / 030 deg to EAs Chinese Voice of America
 1130-1200 on 12030 PHT 250 kW / 283 deg to SEAs Rohingya Mon-Fri Voice of America
 1130-1200 on 12030 PHT 250 kW / 283 deg to SEAs English Sat/Sun Voice of America
 1130-1200 on 12125 UDO 250 kW / 304 deg to SEAs Rohingya Mon-Fri Voice of America
 1130-1200 on 12125 UDO 250 kW / 304 deg to SEAs English Sat/Sun Voice of America
 1130-1200 on 15715 UDO 250 kW / 300 deg to SEAs Rohingya Mon-Fri Voice of America
 1130-1200 on 15715 UDO 250 kW / 300 deg to SEAs English Sat/Sun Voice of America
 1200-1230 on 11965 PHT 250 kW / 270 deg to SEAs Eng/Mx, NOT Burmese Voice of America
 1200-1230 on 15560 PHT 250 kW / 270 deg to SEAs Eng/Mx, NOT Burmese Voice of America
 1200-1230 on 17680 PHT 250 kW / 270 deg to SEAs Eng/Mx, NOT Burmese Voice of America
 1200-1250 on 9340 BIB 100 kW / 105 deg to WAs English/Kurdish/Mx Voice of America
 1200-1250 on 12030 LAM 100 kW / 108 deg to WAs English/Kurdish/Mx Voice of America
 1200-1250 on 15500 UDO 250 kW / 300 deg to WAs English/Kurdish/Mx Voice of America
 1200-1300 on 5980 GB 250 kW / 190 deg to Cuba Spanish Radio Marti
 1200-1300 on 6030 GB 250 kW / 205 deg to Cuba Spanish Radio Marti
 1200-1300 on 7355 GB 250 kW / 183 deg to Cuba Spanish Radio Marti
 1200-1300 on 7465 PHT 250 kW / 021 deg to EAs Korean Voice of America
 1200-1300 on 7515 UDO 250 kW / 030 deg to EAs Chinese Voice of America
 1200-1300 on 9490 PHT 250 kW / 021 deg to EAs Korean Voice of America
 1200-1300 on 9825 PHT 250 kW / 349 deg to EAs Chinese Voice of America
 1200-1300 on 11570 PHT 250 kW / 021 deg to EAs Korean Voice of America
 1200-1300 on 11660 UDO 250 kW / 030 deg to EAs Chinese Voice of America
 1200-1300 on 11900 PHT 250 kW / 332 deg to EAs Chinese Voice of America
 1300-1400 on 5980 GB 250 kW / 190 deg to Cuba Spanish Radio Marti
 1300-1400 on 7355 GB 250 kW / 183 deg to Cuba Spanish Radio Marti
 1300-1400 on 7435 GB 250 kW / 205 deg to Cuba Spanish Radio Marti
 1300-1400 on 7470 UDO 250 kW / 030 deg to EAs Chinese Voice of America
 1300-1400 on 7495 UDO 250 kW / 304 deg to WAs Pashto Deewa Radio
 1300-1400 on 7545 PHT 250 kW / 332 deg to CAs Cantonese Voice of America
 1300-1400 on 9355 KWT 250 kW / 070 deg to WAs Pashto Deewa Radio
 1300-1400 on 9370 UDO 250 kW / 300 deg to WAs Pashto Deewa Radio
 1300-1400 on 9585 PHT 250 kW / 315 deg to EAs Chinese Voice of America
 1300-1400 on 9800 PHT 250 kW / 021 deg to EAs Korean Voice of America
 1300-1400 on 9825 PHT 250 kW / 349 deg to EAs Chinese Voice of America
 1300-1400 on 9985 SAI 100 kW / 325 deg to EAs Korean Voice of America
 1300-1400 on 11570 PHT 250 kW / 021 deg to EAs Korean Voice of America
 1300-1400 on 11660 PHT 250 kW / 332 deg to EAs Chinese Voice of America
 1300-1400 on 13590 DHA 250 kW / 045 deg to WAs Pashto Deewa Radio
 1300-1400 on 15710 SMG 250 kW / 150 deg to EAf Somali Voice of America
 1300-1400 on 17820 KWT 250 kW / 185 deg to EAf Somali Voice of America
 1330-1430 on 9335 PHT 250 kW / 270 deg to SEAs Khmer Voice of America
 1330-1430 on 11675 PHT 250 kW / 270 deg to SEAs Khmer Voice of America
 1400-1500 on 4930 BOT 100 kW / 020 deg to SAf English Voice of America
 1400-1500 on 7495 UDO 250 kW / 304 deg to WAs Pashto Deewa Radio
 1400-1500 on 7545 PHT 250 kW / 332 deg to CAs Cantonese Voice of America
 1400-1500 on 9355 KWT 250 kW / 070 deg to WAs Pashto Deewa Radio
 1400-1500 on 9370 UDO 250 kW / 300 deg to WAs Pashto Deewa Radio
 1400-1500 on 9605 PHT 250 kW / 332 deg to CAs Chinese Voice of America
 1400-1500 on 9800 PHT 250 kW / 021 deg to EAs Korean Voice of America
 1400-1500 on 9825 PHT 250 kW / 315 deg to EAs Chinese Voice of America
 1400-1500 on 9885 SA0 100 kW / 100 deg to SAf Kirundi Sa/Su Voice of America
 1400-1500 on 9985 SAI 100 kW / 325 deg to EAs Korean Voice of America
 1400-1500 on 11570 SAI 100 kW / 325 deg to EaAs Korean Voice of America

1400-1430 on 11660 PHT 250 kW / 332 deg to EAs Chinese Voice of America
 1430-1500 on 11660 UDO 250 kW / 030 deg to EAs Chinese Voice of America
 1400-1500 on 11760 PHT 250 kW / 315 deg to CAs Tibetan Voice of America
 1400-1500 on 11910 UDO 250 kW / 304 deg to CAs Tibetan Voice of America
 1400-1500 on 12120 PHT 250 kW / 349 deg to EAs Chinese Voice of America
 1400-1500 on 13590 KWT 250 kW / 078 deg to WAs Pashto Deewa Radio
 1400-1500 on 13630 BOT 100 kW / 350 deg to SAf Kirundi Sa/Su Voice of America
 1400-1500 on 13830 UDO 250 kW / 316 deg to CAs Tibetan Voice of America
 1400-1500 on 15270 BIB 100 kW / 085 deg to WAs Kurdish Voice of America
 1400-1500 on 15460 SMG 250 kW / 175 deg to SAf Kirundi Sa/Su Voice of America
 1400-1500 on 15580 BOT 100 kW / 010 deg to CEAF English Voice of America
 1400-1500 on 15600 WOF 250 kW / 102 deg to WAs Kurdish Voice of America
 1400-1500 on 17585 BIB 100 kW / 085 deg to CAs Tibetan Voice of America
 1400-1500 on 17885 BOT 100 kW / 350 deg to SoAf English Voice of America
 1400-1500 on 7355 GB 250 kW / 183 deg to Cuba Spanish Radio Marti
 1400-1500 on 7435 GB 250 kW / 205 deg to Cuba Spanish Radio Marti
 1400-1500 on 11930 GB 250 kW / 184 deg to Cuba Spanish Radio Marti
 1430-1500 on 9835 WOF 300 kW / 075 deg to WAs Pashto Radio Ashna
 1430-1500 on 12075 KWT 250 kW / 070 deg to WAs Pashto Radio Ashna
 1430-1500 on 12140 KWT 250 kW / 070 deg to WAs Pashto Radio Ashna
 1430-1530 on 9335 PHT 250 kW / 270 deg to SEAs Burmese Voice of America
 1430-1530 on 11870 PHT 250 kW / 270 deg to SEAs Burmese Voice of America
 1430-1530 on 15450 PHT 250 kW / 283 deg to SEAs Burmese Voice of America
 1500-1530 on 9575 SAO 100 kW / 000 deg to WCAf Hausa Voice of America
 1500-1530 on 11850 SAO 100 kW / 020 deg to WCAf Hausa Voice of America
 1500-1530 on 15460 BOT 100 kW / 350 deg to WCAf Hausa Voice of America
 1500-1600 on 4930 BOT 100 kW / 020 deg to SAf English Voice of America
 1500-1600 on 7455 BOT 100 kW / 350 deg to WCAf English Voice of America
 1500-1600 on 7495 UDO 250 kW / 304 deg to WAs Pashto Deewa Radio
 1500-1600 on 9355 KWT 250 kW / 070 deg to WAs Pashto Deewa Radio
 1500-1600 on 9370 UDO 250 kW / 300 deg to WAs Pashto Deewa Radio
 1500-1600 on 13590 LAM 100 kW / 080 deg to WAs Pashto Deewa Radio
 1500-1600 on 15580 BOT 100 kW / 010 deg to CEAF English Voice of America
 1500-1600 on 17895 SAO 100 kW / 100 deg to WCAf English Voice of America
 1500-1630 on 9835 WOF 300 kW / 075 deg to WAs Dari Radio Ashna
 1500-1630 on 12075 UDO 250 kW / 300 deg to WAs Dari Radio Ashna
 1500-1630 on 12140 KWT 250 kW / 070 deg to WAs Dari Radio Ashna
 1500-2100 on 11860 GB 250 kW / 183 deg to Cuba Spanish Radio Marti
 1500-2100 on 11930 GB 250 kW / 184 deg to Cuba Spanish Radio Marti
 1500-2100 on 13820 GB 250 kW / 184 deg to Cuba Spanish Radio Marti
 1530-1600 on 9575 SAO 100 kW / 000 deg to WCAf Hausa Mon-Fri Voice of America
 1530-1600 on 11850 SAO 100 kW / 020 deg to WCAf Hausa Mon-Fri Voice of America
 1530-1600 on 15460 BOT 100 kW / 350 deg to WCAf Hausa Mon-Fri Voice of America
 1530-1630 on 9335 PHT 250 kW / 270 deg to SEAs Burmese Voice of America
 1530-1630 on 11870 PHT 250 kW / 270 deg to SEAs Burmese Voice of America
 1600-1630 on 4930 BOT 100 kW / 020 deg to SAf English Voice of America
 1600-1630 on 6080 SAO 100 kW / 335 deg to WCAf English Voice of America
 1600-1630 on 11850 BOT 100 kW / 350 deg to SoAf Kirundi Voice of America
 1600-1630 on 13630 SMG 250 kW / 199 deg to SoAf Kirundi Voice of America
 1600-1630 on 15460 SAO 100 kW / 100 deg to SoAf Kirundi Voice of America
 1600-1630 on 15580 BOT 100 kW / 350 deg to CEAF English Voice of America
 1600-1630 on 17895 BOT 100 kW / 010 deg to CEAF English Voice of America
 1600-1700 on 7495 BIB 100 kW / 088 deg to WAs Pashto Deewa Radio
 1600-1700 on 7525 PHT 250 kW / 275 deg to CAs Tibetan Voice of America
 1600-1700 on 9355 KWT 250 kW / 070 deg to WAs Pashto Deewa Radio
 1600-1700 on 9370 UDO 250 kW / 300 deg to WAs Pashto Deewa Radio
 1600-1700 on 9760 UDO 250 kW / 319 deg to CAs Tibetan Voice of America
 1600-1700 on 11610 WOF 250 kW / 126 deg to EaAf Somali Voice of America
 1600-1700 on 11670 PHT 250 kW / 315 deg to CAs Tibetan Voice of America
 1600-1700 on 11905 LAM 100 kW / 132 deg to EAF Somali Voice of America

1600-1700	on	13590	LAM	100	kW	/	080	deg	to	WAs	Pashto Deewa Radio
1630-1700	on	11850	DHA	250	kW	/	235	deg	to	SDN	English South Sudan Mon-Fri VOA
1630-1700	on	13865	WOF	300	kW	/	135	deg	to	SDN	English South Sudan Mon-Fri VOA
1630-1700	on	13630	BOT	100	kW	/	350	deg	to	SAf	Portuguese Fri Voice of America
1630-1700	on	13750	KWT	250	kW	/	210	deg	to	CAf	Swahili Voice of America
1630-1700	on	15180	SAO	100	kW	/	076	deg	to	SDN	English South Sudan Mon-Fri VOA
1630-1700	on	15260	WOF	300	kW	/	140	deg	to	CAf	Swahili Voice of America
1630-1700	on	15460	SAO	100	kW	/	100	deg	to	CAf	Swahili Voice of America
1630-1700	on	17655	SAO	100	kW	/	126	deg	to	SAf	Portuguese Fri Voice of America
1630-1730	on	9335	PHT	250	kW	/	283	deg	to	SEAs	Burmese Voice of America
1630-1730	on	9975	LAM	100	kW	/	075	deg	to	WAs	Pashto Radio Ashna
1630-1730	on	12075	UDO	250	kW	/	300	deg	to	WAs	Pashto Radio Ashna
1630-1730	on	12140	KWT	250	kW	/	070	deg	to	WAs	Pashto Radio Ashna
1700-1730	on	11850	KWT	250	kW	/	210	deg	to	CSAf	English Voice of America
1700-1730	on	12040	SAO	100	kW	/	076	deg	to	EAF	Amharic Voice of America
1700-1730	on	15580	BOT	100	kW	/	010	deg	to	EAF	Amharic Voice of America
1700-1800	on	4930	BOT	100	kW	/	020	deg	to	ZWE	English/Shona/Ndebele VOA
1700-1800	on	6080	SAO	100	kW	/	335	deg	to	CAf	English Voice of America
1700-1800	on	7475	BIB	100	kW	/	088	deg	to	WAs	Kurdish Voice of America
1700-1800	on	7495	BIB	100	kW	/	088	deg	to	WAs	Pashto Deewa Radio
1700-1800	on	7530	KWT	250	kW	/	070	deg	to	WAs	Pashto Deewa Radio
1700-1800	on	9355	KWT	250	kW	/	070	deg	to	WAs	Pashto Deewa Radio
1700-1800	on	9370	UDO	250	kW	/	300	deg	to	WAs	Pashto Deewa Radio
1700-1800	on	9750	LAM	100	kW	/	104	deg	to	WAs	Kurdish Voice of America
1700-1800	on	9820	BIB	100	kW	/	105	deg	to	WAs	Kurdish Voice of America
1700-1800	on	11610	WOF	250	kW	/	126	deg	to	EAF	Somali Voice of America
1700-1800	on	11905	LAM	100	kW	/	132	deg	to	EAF	Somali Voice of America
1700-1800	on	13630	BOT	100	kW	/	350	deg	to	CSAf	Portuguese Voice of America
1700-1800	on	13860	SAO	100	kW	/	124	deg	to	ZWE	English/Shona/Ndebele VOA
1700-1800	on	15460	SAO	100	kW	/	126	deg	to	ZWE	English/Shona/Ndebele VOA
1700-1800	on	17655	GB	250	kW	/	094	deg	to	CSAf	Portuguese Voice of America
1700-1800	on	17895	BOT	100	kW	/	350	deg	to	CEAf	English Voice of America
1730-1800	on	9335	UDO	250	kW	/	300	deg	to	SEAs	Burmese Voice of America
1730-1800	on	9485	WOF	300	kW	/	126	deg	to	EAF	Oromo Mon-Fri Voice of America
1730-1800	on	12040	LAM	100	kW	/	132	deg	to	EAF	Oromo Mon-Fri Voice of America
1730-1800	on	13765	KWT	250	kW	/	200	deg	to	EAF	Oromo Mon-Fri Voice of America
1730-1800	on	15580	BOT	100	kW	/	010	deg	to	CAf	English Voice of America
1800-1830	on	13630	BOT	100	kW	/	350	deg	to	CSAf	Portuguese Mon-Fri Voice of America
1800-1830	on	17655	GB	250	kW	/	094	deg	to	CSAf	Portuguese Mon-Fri Voice of America
1800-1900	on	4930	BOT	100	kW	/	020	deg	to	SAf	English Sa/Su Voice of America
1800-1900	on	4930	BOT	100	kW	/	020	deg	to	ZWE	English/Shona/Ndebele Mon-Fri VOA
1800-1900	on	7495	BIB	100	kW	/	088	deg	to	WAs	Pashto Deewa Radio
1800-1900	on	7530	KWT	250	kW	/	070	deg	to	WAs	Pashto Deewa Radio
1800-1900	on	9355	KWT	250	kW	/	070	deg	to	WAs	Pashto Deewa Radio
1800-1900	on	9370	UDO	250	kW	/	300	deg	to	WAs	Pashto Deewa Radio
1800-1900	on	9485	WOF	300	kW	/	126	deg	to	EAF	Amharic Voice of America
1800-1900	on	11610	UDO	250	kW	/	272	deg	to	EAF	English Voice of America
1800-1900	on	12040	LAM	100	kW	/	132	deg	to	EAF	Amharic Voice of America
1800-1900	on	13765	KWT	250	kW	/	200	deg	to	EAF	Amharic Voice of America
1800-1900	on	13860	SAO	100	kW	/	124	deg	to	ZWE	English/Shona/Ndebele VOA
1800-1900	on	15460	SAO	100	kW	/	126	deg	to	ZWE	English/Shona/Ndebele VOA
1800-1900	on	15580	BOT	100	kW	/	350	deg	to	CAf	English Voice of America
1830-1900	on	11850	BOT	100	kW	/	010	deg	to	SAf	Kirundi Mon-Fri Voice of America
1830-1900	on	12075	SMG	250	kW	/	199	deg	to	CAf	French Voice of America
1830-1900	on	13630	SAO	100	kW	/	100	deg	to	SAf	Kirundi Mon-Fri Voice of America
1830-1900	on	15730	BOT	100	kW	/	350	deg	to	CeAf	French Voice of America
1900-1930	on	4930	BOT	100	kW	/	020	deg	to	SAf	English Voice of America
1900-1930	on	9485	BOT	100	kW	/	010	deg	to	EAF	Tigrigna Voice of America
1900-1930	on	12040	SMG	250	kW	/	146	deg	to	EAF	Tigrigna Voice of America
1900-1930	on	12075	SMG	250	kW	/	199	deg	to	CAf	French Voice of America

1900-1930 on 13590 SAO 100 kW / 138 deg to CAf English Voice of America
 1900-1930 on 13765 KWT 250 kW / 200 deg to EAf Tigrigna Voice of America
 1900-1930 on 15580 BOT 100 kW / 350 deg to CAf English Voice of America
 1900-1930 on 15730 BOT 100 kW / 350 deg to CAf French Voice of America
 1900-1930 on 17700 GB 250 kW / 094 deg to WAF French Voice of America
 1900-2100 on 7465 PHT 250 kW / 021 deg to EAs Korean Voice of America
 1900-2100 on 9800 PHT 250 kW / 021 deg to EAs Korean Voice of America
 1900-2100 on 9975 TIN 250 kW / 329 deg to EAs Korean Voice of America
 1930-2000 on 4930 BOT 100 kW / 020 deg to SAf English Voice of America
 1930-2000 on 9885 BOT 100 kW / 010 deg to SAf Kirundi Mo-Fr Voice of America
 1930-2000 on 11850 SAO 100 kW / 100 deg to SoAf Kirundi Mo-Fr Voice of America
 1930-2000 on 11900 SAO 100 kW / 335 deg to WAF French Voice of America
 1930-2000 on 12040 KWT 250 kW / 200 deg to SAf Kirundi Mo-Fr Voice of America
 1930-2000 on 12075 BOT 100 kW / 350 deg to CAf French Voice of America
 1930-2000 on 13590 SAO 100 kW / 138 deg to CAf English Voice of America
 1930-2000 on 15580 BOT 100 kW / 350 deg to CAf English Voice of America
 1930-2000 on 15730 GB 250 kW / 094 deg to WCAf French Voice of America
 1930-2000 on 17700 GB 250 kW / 094 deg to WCAf French Voice of America
 2000-2030 on 4930 BOT 100 kW / 020 deg to SAf English Voice of America
 2000-2030 on 6195 BOT 100 kW / 350 deg to CAf English Voice of America
 2000-2030 on 9485 KWT 250 kW / 210 deg to CAf French Voice of America
 2000-2030 on 11900 SAO 100 kW / 335 deg to WAF French Voice of America
 2000-2030 on 12075 BOT 100 kW / 350 deg to CAf French Voice of America
 2000-2030 on 15580 BOT 100 kW / 010 deg to CAf English Voice of America
 2000-2030 on 15730 GB 250 kW / 094 deg to WCAf French Voice of America
 2030-2100 on 4930 BOT 100 kW / 020 deg to SAf English Voice of America
 2030-2100 on 4960 SAO 100 kW / 030 deg to WCAf Hausa Voice of America
 2030-2100 on 6040 SAO 100 kW / 000 deg to WCAf Hausa Voice of America
 2030-2100 on 6195 BOT 100 kW / 350 deg to CAf English Voice of America
 2030-2100 on 9485 KWT 250 kW / 210 deg to CAf Hausa Sa/Su Voice of America
 2030-2100 on 9765 WOF 250 kW / 180 deg to WCAf Hausa Voice of America
 2030-2100 on 11850 SAO 100 kW / 020 deg to WCAf Hausa Voice of America
 2030-2100 on 11900 SAO 100 kW / 335 deg to WCAf Hausa Sat Voice of America
 2030-2100 on 11900 SAO 100 kW / 335 deg to WCAf French Sun Voice of America
 2030-2100 on 11975 SMG 250 kW / 169 deg to WCAf Hausa Sat Voice of America
 2030-2100 on 11975 SMG 250 kW / 169 deg to WCAf French Sun Voice of America
 2030-2100 on 12075 BOT 100 kW / 350 deg to WCAf French Sat/Sun Voice of America
 2030-2100 on 13750 SAO 100 kW / 052 deg to CAf Hausa Voice of America
 2030-2100 on 15580 BOT 100 kW / 010 deg to CAf English Voice of America
 2100-2130 on 5925 SAO 100 kW / 020 deg to WCAf French Mon-Fri Voice of America
 2100-2130 on 9485 KWT 250 kW / 210 deg to CAf French Mo-Fr Voice of America
 2100-2130 on 12075 BOT 100 kW / 350 deg to WCAf French Mo-Fr Voice of America
 2100-2200 on 6195 SAO 100 kW / 000 deg to WCAf English Voice of America
 2100-2200 on 11720 GB 250 kW / 091 deg to WCAf English Voice of America
 2100-2300 on 9565 GB 250 kW / 164 deg to Cuba Spanish Radio Marti
 2100-2300 on 11860 GB 250 kW / 183 deg to Cuba Spanish Radio Marti
 2100-2300 on 11930 GB 250 kW / 184 deg to Cuba Spanish Radio Marti
 2130-2200 on 5885 KWT 250 kW / 270 deg to WAF Bambara Mo-Fr Voice of America
 2130-2200 on 5925 SAO 100 kW / 335 deg to WAF Bambara Mo-Fr Voice of America
 2130-2200 on 12075 BOT 100 kW / 350 deg to WAF Bambara Mo-Fr Voice of America
 2130-2200 on 15120 ASC 250 kW / 027 deg to WAF Bambara Mo-Fr Voice of America
 2200-2230 on 5880 PHT 250 kW / 270 deg to SEAs Khmer Voice of America
 2200-2230 on 7465 PHT 250 kW / 275 deg to SEAs Khmer Voice of America
 2200-2300 on 7500 UDO 250 kW / 030 deg to EAs Chinese Voice of America
 2200-2230 on 9335 PHT 250 kW / 270 deg to SEAs Khmer Voice of America
 2200-2300 on 9565 GB 250 kW / 164 deg to Cuba Spanish Radio Marti
 2200-2300 on 9620 PHT 250 kW / 332 deg to EAs Chinese Voice of America
 2300-2400 on 6125 GB 250 kW / 174 deg to Cuba Spanish Mon-Fri TV Marti
 2300-2400 on 7355 GB 250 kW / 183 deg to Cuba Spanish Radio Marti
 2300-2400 on 7375 GB 250 kW / 184 deg to Cuba Spanish Radio Marti

2300-2400 on 9565 GB 250 kW / 164 deg to Cuba Spanish Radio Marti
 2330-2400 on 6150 UD0 250 kW / 280 deg to SEAs Burmese Voice of America
 2330-2400 on 9335 PHT 250 kW / 283 deg to SEAs Burmese Voice of America
 2330-2400 on 9380 PHT 250 kW / 270 deg to SEAs Burmese Voice of America
 (Bulgarian DX Blog)

7305even Tremendous S=9+30dB signal of Spanish sce Vatican Radio relay exchange with US AGM site Greenville-NC US state. Talk with bishop? of Venezoelan church, iglesia renovation, social life, 7 kHz wide US AGM Greenville audio characteristic at 01.41 UT. (wb df5sx, wwdxc BC-DX TopNews Jan 15)

Very good signal of WRNO in English on 7505 kHz via New Orleans, January 29
 from 0738 on 7505 RNO 050 kW / 020 deg to ENAm English via SDR Frostburg MD, USA

Very good signal of WRNO in Arabic on 7505 kHz via New Orleans, January 29
 from 0919 on 7505 RNO 050 kW / 020 deg to ENAm Arabic via SDR Frostburg MD, USA

Very good signal of WRNO in Chinese on 7505 kHz via New Orleans, January 29
 from 1026 on 7505 RNO 050 kW / 020 deg to ENAm Chinese via SDR Frostburg MD, USA
 (DXMIX 1231)

9330even WBCQ suffer heavily on nearby UTE signal of 9327.800 kHz some strong 100 / 200 Hertz f e n c e WHISTLE tone noise, at 01.41 UT.

6159.943 kHz WBCQ low power old unit in 49 mb, fair S=5 in Cape Canaveral Florida state remoted SDR unit at 01.34 UT.
 [selected SDR options, span 12.5 kHz RBW 15.3 Hertz] (wb df5sx, wwdxc BC-DX TopNews Jan 15)

WBCQ Tests 4790 kHz in February:

That's not a typo, in addition to its flagship frequency 7490 kHz, WBCQ will be running staggered propagation tests of 4790 kHz during February for a new entertainment program block sponsored by Angela and Allan Weiner and curated by Uncle Bill Tilford. When the regular schedule begins in March, it will be 2 hours per night of music and other entertainment from around the world. Several new programs under development will participate.

The February tests will use archival episodes of From the Isle of Music, Uncle Bill's Melting Pot, Marion's Attic, Behavior Night, Rock Wave, Tom Call Theater and Jetzt Geht's Los!, a wonderful program from Germany of Weimar-era jazz. In March these programs will be joined by several new ones from around the world.

The first week's tests will run from February 1-5 from 6-8pm EST (2300-0100 UTC). Each following week will run an hour later to determine optimum transmission times. An eQSL will be available for reception reports sent to: <4790info@gmail.com>.

Watch these pages for weekly updates: <<https://swling.com/blog/2022/01/wbcq-tests-4790-khz-in-february/>>

We have just received the information from William "Bill" Tilford, owner & producer of "From The Isle of Music" and "Uncle Bill's Melting Pot" that FTIOM & UBMP will cease broadcasts from Germany & Bulgaria:

"I began From The Isle of Music six years ago and Uncle Bill's Melting Pot five years ago, starting small on WBCQ and eventually expanding to Europe and beyond with Channel 292 for both programs and Space Line for FTIOM. I am not a wealthy man, and my programs have been literally 99.9% self-funded during that period. The very small handful of contributors has been appreciated but has never been large enough to put a dent in costs.

Over the past two years, my living expenses have increased precipitously while my income and contributions have not. With great reluctance, I must make some difficult financial decisions. One of them is that broadcasts on Space Line have ceased, and broadcasts on Channel 292 will cease March 5. This is a purely financial decision, I have very much enjoyed working with both stations and will deeply miss the audiences that I will probably lose. While the financial support from listeners was minimal, the emotional support has been huge, many of those listeners feel like family now.

Broadcasts will continue on WBCQ The Planet where these programs began. FTIOM will continue on 7490 kHz, currently Tuesdays 0000-0100 UTC, and UBMP will continue on 7490 kHz Sundays, currently 2300-0000 UTC. Both of these livestream on WBCQ.com, so listeners unable to catch the terrestrial broadcast (or who are asleep at those hours) may be able to record live for later listening. Both programs will also be part of the new special lineup on 4790 kHz which is being fully sponsored by Angela and Allan Weiner. More details about that will be forthcoming, that frequency may reach parts of Europe terrestrially as an early morning show at a tolerable hour. Note however that

both broadcasts on 7490 can be "breakfast listening" in Eastern Europe, a key target area for the broadcasts from Europe.

I regret the necessity for these changes and hope listeners will find the remaining options on WBCQ usable."

7490 kHz WWCR2 in English to NAm, Dec 29 at 14.46-14.54 UT. SIO 444. OM announcer with YL interviewee. Talk of issues with COVID nursing whistleblower activity. Threats against whistleblowers. Good signal, easy listening. Minor QRN / QSB. Phone-in commentary. Alternative treatments for COVID. Concern about vaccine contents. (Vince Henley, Anacortes-WA-USA, Naswa Electronic Flashsheet #1030 Jan 9)

Reception of WTWW-1 PPPP Scriptures For America on 5830 kHz via Lebanon, February 4 from 0459 on 5830 TWW 100 kW / 050 deg to ENAm English. Fair/good via SDR Milford PA, USA. (DX MIX #1232)

EWTN WEWN-3 Radio Catolica Mundial in Spanish 5970 kHz via Vandiver January 23 from 1100 UT 5970 EWN 100 kW 160 deg to CAm Spanish. Very good via SDR Frostburg MD, USA. (Ivo Ivanov-BUL, hcdx via wwdxc BC-DX Topnews Jan 23)

5830 kHz Jan 14 at 1522 UT, WTWW-1 night frequency active at this unusual hour with SFA, S=9+20dB. So is WTWW-2 on too? Yes, 5085 kHz with rock S=9+30dB in broad daylight over a megameter path. B-21 season FCC list shows 5085 kHz available 24 hours beamed due south; but 5830 kHz only 00-14 UT, at 50 degrees. Between 14 and 02 UT, supposed to be on 9475 kHz, if at all.

Evidently Ted thinks FCC rules are so flexible. It seems that in practice, #2 can be on without #1 too, but not vice versa. Except maybe when #1 be really on 9475 kHz like Sunday mornings. FCC also OKs these but hardly ever used:

9930, 14-24 UT at 180 degrees
 9940, 00-24 UT at 40 degrees
 15810, 00-24 UT at 40 degrees.
 The top two would be the #3 transmitter.
 (gh, via NASWA Electronic Flashsheet #1031 Jan 23)

EWTN WEWN-2 Radio Catolica Mundial in Spanish 12050 kHz via Vandiver January 23:
 from 1400 12050 EWN 100 kW 155 deg to CeAM Spanish. Good signal via SDR Frostburg MD, USA.
 Again wrong frequency announcement at 1400 UT: ... 5970 kHz tx #3, instead of 12050 kHz tx #2!
 (Ivo Ivanov-BUL, hcdx via wwdxc BC-DX Topnews Jan 23)

12160 kHz WWCR 2 in Eng from Nashville-TN. Jan 25, at 1638-1650 UT. SIO 555. Excellent signal. CSC Talk Radio with Beth Ann. Talk of the Virginia elections and various machinations of rogue school boards. Target NoAM. Talk of cultural changes in modern America. Some pulse QRM on this frequency, source unknown. Advertisements for Made in USA products and services. Advertisement for gold and silver purchases. Advertisement for "My Pillow" products. (Vince Henley, Anacortes-WA-USA, Naswa Electronic Flashsheet #1033 Jan 30)

Very good signal of WWCR-2 on 5935 and 7490 kHz via Nashville, February 7:
 till 1258 on 5935 WCR 100 kW / 085 deg to CAf English via SDR Milford PA, USA
 from 1259 on 7490 WCR 100 kW / 085 deg to CAf English via SDR Milford PA, USA

USA (non) - Reception of Vatican Radio in Spanish on 7305 kHz via USAGM Greenville B on February 7
 1230-1245 on 7305 GB 250 kW / 168 deg to CAm Spanish. Very good signal via SDR Milford PA, USA
 (DX MIX #1232)

UZBEKISTAN (non) - Radio Iran International on 5829.9v kHz via RRTM Telecom Tashkent, February 6:
 from 1330 on 5829.9vTAC 100 kW / 236 deg to WAs Farsi. Weak/fair signal via SDR Khimki, Russia
 (DX MIX #1232)

VANUATU - Feb 2 - Thanks to Manuel's timely tip, I had to return to the beach to catch some actual audio, after many months of listening to just an open carrier with no audio at all on 5040 kHz. Radio Vanuatu, as one of my favorite SW stations, pulled me back to the beach, even as I am still rather stiff from my fall last week.

1004-1019: News (Is normal for RV to not start the news at the ToH).

1019-1028: Island music/songs.

1028-1033: Start of the usual half hour religious program, starting with non-stop religious songs.

1033-1046: RV ID; into preaching (unreadable).

1046-1103: More religious songs

1103-1104: ending audio with the National Anthem.

1104+: open carrier/no audio at all (1145+) UT.

(Ron Howard-CA-USA, WOR and via wwdxc BC-DX TopNews Febr 2)

Good signal of Radio Vanuatu on new frequency 5040 kHz via Port Vila, February 2: from 0902 on 5040*PVL 2.5 kW / non-dir to All Pacific Bislama via SDR Rutorua, New Zealand * instead of 3945 PVL 2.5 kW / non-dir to All Pacific Bislama R.Vanuatu 07-10UTC B-21 HFCC. (DXMIX #1231)

VATICAN STATE - 13830 kHz Jan 10 at 15.51 UT, VR in Amharic, S=9+10dB, with long/short path echo. This is 250 kW at 135 degrees. Exacerbated by SMG capability of radiating considerable signal directly off the back of antenna, which would be 315 degrees, USward. Strangely enough, distancefromto.net does have Santa Maria di Galeria in its database, computing distance direct to Enid as 8786.29 km 5459.55 statute miles.

Rounding off a bit, taking Earth circumference as 40,075 km, the longpath 31289 km, which is 22503 km further than shortpath. Taking speed of light at 299,792 km/sec, that makes a delay of 0.075 second or approx. 1/13 of one second echo. That is, assuming propagation at ground level, so everything slightly further bouncing up and down from the ionosphere.

How many hops, I wonder?

11935, Jan 10 at 1557 UT, I also hear the other VR Amharic, just in time with IS and cut off at 1558* UT; no echo noted. This one is 250 kW at 113 degrees azimuth from SMG. (gh, hcdx and WOR Jan 10)

Vatican Radio via Santa Maria di Galeria outlets 13830 and 11935 kHz even from bcast center Santa Maria di Galeria, at 15.34 UT S=9+20 or -53dB, resp. S=9+15dB or -61dBm, BACKLOBE azimuth in Southern Iceland Kiwi rx server noted remotely. (wb df5sx, wwdxc BC-DX TopNews Jan 11)

VATICAN (non) - Vatican Radio on 7420 kHz USAGM Tinian & 9810 kHz USAGM Tinang, February 2: 1230-1250 on 7420 TIN 250 kW / 329 deg to FERu Russian. Fair/good via SDR Tambov, Russia 1230-1250 on 9810 PHT 250 kW / 332 deg to FERu Russian. Very good via SDR Tambov, Russia (DXMIX #1231)

VIETNAM - 9840 kHz Voice of Vietnam from Son Tay site, 1247 UT on Jan 29, in English. Program of Vietnamese ballads (Shazam couldn't ID any) with woman announcer talking about the music. Unfortunately, the announcer was so mushy that only snatches of her commentary were comprehensible. Would have been interesting to know more about the music. 1257 UT quick ID and off. Carrier didn't drop and at 1300 UT s/on in Indonesian with music, ID and into presumed opening announcements and news (?) by different woman announcer. The mushy audio must have been something with the English because the Indonesian is clear. Poor. 10.00-15.30 UT. (Mark Taylor, Madison-WI-USA, Naswa Electronic Flashsheet #1033 Jan 30)

12020 kHz Voice of Vietnam via Hanoi Son Tay, Jan 26, fair signal at 1220 UT in Japanese service // 9840 kHz (weaker) to 1329 UT o/c and then -1330* UT English svc sked for 1330 UT missing on 25 mb channel though something still there on 9840 kHz but too weak today to tell what it is. (Ralph Perry, Wheaton-IL-USA, Naswa Electronic Flashsheet #1033 Jan 30)

ZAMBIA - 4965.001 Voice of Hope Africa, Makeni Ranch, at 16-21 UT, noted at 19.16 UT, S=4 or tiny -105dBm on threshold level. [selected SDR options, span 12.5 kHz RBW 15.3 Hertz] (wb df5sx, wwdxc BC-DX TopNews Febr 3)

Editor's info desk was closed for this edition at 08:00 hours UTC on February 10th, 2022.

Please also see the "List of Broadcasts in German" (Hörfahrplan Deutsch) updated regularly on the WWDXC website.

Sources & Contributors:

A-DX - e-mail exchange - Austria

BCDX - News Bulletin by Wolfgang Bueschel (**wb**) - Stuttgart - Germany

WOR (gh) - Glenn Hauser's WORLD OF RADIO - Oklahoma - USA

Prof. Dr. Hansjörg Biener (hjb) - Nuremberg - Germany

Others as stated at 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 = Albania, Ban = Bangalore, Be = Beijing/China, Bib = Biblis/DL, BOT = Botswana, CHN = China, CLN-TRM = Sri Lanka Trincomalee, Du = Dushanbe/TJK, ERV (ARM) = Erivan/Armenia, F = Issoudun/France, Fl = Florida/USA, HAB = Habana/Cuba, Ho = Hohhot/CHN, HRI = WHRI Cypress Creek/USA, Jin = Jinhua, Kash = Kashgar/CHN, Ka = Kingsway (Delhi), Kh = Khampur (Delhi), Kll - Kall/DL, KOR = (South) Korea, Ku = Kununurra/Aus, Kun = Kunming/CHN, KWT = Kuwait, Lam = Lampertheim/DL, MDA = Moldavia, MDG = Madagascar, MNG = Mongolia, MRA = Northern Marianas, N = Nauen/DL, Nn = Nanning/CHN, OM = Oman, Pan = Panaji/India, Row = Rohrbach Waal/DL, RUS = Russia incl. Sibiria, SAI = Saipan (MRA), SNG = Singapur, STP = Sao Tomé, SWZ = Swaziland (ESWATINI), SZG = Shijazhuang/CHN, TH = (NAK) Nakhon Sawan/Thailand, TIN = Tinian (MRA), TJK = Tajikistan, TWN = Taiwan, UAE = Al Dubbaya/ United Arab Emirates, Ur = Urumchi/CHN, Wil = Winsen/Luhe/DL, 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, FE = Far East, ME = Middle East, OC / 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, Spa Spanish - Turk Turkish - VN Vernacular

Technical hint with frequency (QRG):

(* /drm) = Digital Radio broadcast (DRM) v = variable irr / # = irregular / technical problems

/USB = upper sideband, /LSB = lower sideband, alt.: (QRG) = alternative frequency

Editor:

Walter Eibl (we)

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

Used equipment:

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

Antennas: Hamtronic HT504 selective active antenna, in roof window ca. 15 m above ground

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

mostly monitoring via WORLD WIDE WEB.



DX LOGBOOK

Logs around the clock

by Ashok Kumar Bose, 106 Aspermont Crescent, Brampton, Ontario, L6P 3Z3, Canada
E-Mail: <logbook@wwdxc.de>

SHORTWAVE BANDS

Frequency	UTC	SIO	ITU	Radio Station	Language	Programme Details	Date	Rep.
7390.0	1600	554	NZL	Radio New Zealand Intl.,	English	News,weather	1901	RL
7850.0	2100	554	CAN	CHU,Ottawa	English	Time signal station	0801	RL
9880.0	0057	554	THA	VOA	Chinese	Program	3012	RL
11525.0	2353	554	MRA	Radio Free Asia,Tinian Isl.	Mandarin	Program	2912	RL
12040.0	1631	444	D	AWR,Voice of Hope	Amharic	ID,Program	3112	RL
14670.0	2032	554	CAN	CHU,Ottawa	English	Time Signal station	0801	RL

Here are the loggings from Richard D'Angelo of Wyomissing, PA, USA:

- 4790.0 USA WBCQ – Monticello, *2254-0002 Feb 4, multiple station IDs before opening of test transmission at 2300 with old time jazz musical selections. Nice station ID at close-down at 2359 followed by Allan Weiner Worldwide at 0000. Fair to good reception on this test channel. Nice E-QSL PDF received in a day from Bill Tilford <4790info@gmail.com>, who is coordinating this new block which officially starts on March 1st.
- 4885.0 BRAZIL Radio Clube do Pará - Belém, 0512-0544 Jan 23, lively Brazilian popular music vocals with a man in Portuguese language talks and full station ID and frequency announcement at 0521. Poor to fair .
- 4940.0 COLOMBIA Fuerza de Paz Radio – Arauca (p), 0534-0626 Jan 15, with Spanish religious talk by a man with vocals at 0556. Another man began talking at top of the hour. This no longer La Montana in Maicao? WRTH lists this as Fuerza de Paz Radio in Arauca. Poor to fair.
- 5960.0 TURKEY Voice of Turkey – Emirler, 2324-0006 Jan 20, man with English talk hosting music selections. Nice station ID at 2330 followed by a woman with features. Turkish music followed until a woman gave several station IDs alternating with instrumental music. 6+1 time pips at 0000 . Fair.
- 5995.0 MALI Radiodiffusion Television du Mali – Bamako, 2349-0000* Jan 20, music hosted by a woman in French talk. Brief announcements by a woman prior to carrier terminated. Fair to good signal.
- 6040.0 FRANCE Radio Algérienne – Issoudun, 2227-2300* Jan 23, mix of Arabic language talks and musical selections until recitation at 2355 which appeared to end broadcast. Fair.
- 6125.0 TURKEY Voice of Turkey – Emirler, 0424-0451 Feb 2, woman announcer hosting the English program, instrumental music followed by a man announcer introducing the next program consisting of Turkish music and short talks. Nice station ID at 0439 followed by Mailbag program. Fair to good reception.
- 6155.0 AUSTRIA Oesterreich Rundfunk – Moosbrunn, *0600-0613 Jan 14, Carrier noted followed by German talk by a man opening the program. A man and woman followed with a news program. Fair reception.
- 6165.0 FRANCE NHK Radio Japan – Issoudun, 0609-0622 Jan25, woman announcer with Arabic language talk followed by discussion by a man and woman. Fair to good reception.
- 6175.0 BOTSWANA Voice of America – Moepeng Hill, 0426-0441 Feb 1, man talking in Shona . Poor to fair.
- 6185.0 MEXICO XEPPM Radio Educacion – Mexico City, 0554-0616 Jan 25, man in Spanish talk alterbating with guitar instrumental music. Another man joined with laughter and discussion. A woman with announcements and station ID followed by romantic vocals. Fair.
- 7285.0 ASCENSION ISLANDS BBC English Bay, 0527-0539 Jan 1, woman announcer with English news features. Poor to fair at peaks but a lot of noise reduced reception conditions.

- 9525.0 CLANDESTINE Dengê Welat – Issoudun, 2122-2159* Feb 5, program of non-stop Kurdish vocals and music until terminated musical selection mid-song. Fair to good signal.
- 9899.6v EGYPT Radio Cairo – Abis, 2112-2145 Jan 23, program of Egyptian vocal selections hosted by a man with bad modulation . There were 4 short and one long time pips every fifteen minutes until station lost in noise. Fair before station was lost. Radio Cairo - Abis verified an e - reception report to <freqmeg@yahoo.com> with a data e - card in a day from the Egyptian Broadc. Propagation Department.
- 11550.0 NORTHERN MARIANAS ISL. Radio Free Asia – Agingan Point, 1827-1858* Dec 28, man talking in Korean . Woman with 1830 time check, some instrumental music followed by more talking over the music continued until the feature ended at 1837. Selection of female vocals at 1847 with man talking until until carrier terminated. Fair to good but slowly deteriorating.
- 11660.0 THAILAND Voice of America - Ban Dung, Udon Thani Province, 1436-1500* Jan 15, Mandarin language program with talk features by a woman announcer. Brief instrumental music followed by another feature with a man talking. Closed with time pips before carrier terminated. Fair.
- 11720.0 CHINA China National Radio 1 – Shijazhuang (presumed), 2337-2352 Jan 20, man with talks in Mandarin language. Poor signal occasionally audible.
- 11769.8 NIGERIA Voice of Nigeria – Abuja Lugbe, 1927-1930* Jan 30, man announcer talking in Fulfulde followed by flute music. Another man with station ID prior to carrier being terminated. Poor to fair.
- 11975.0 ROMANIA Radio Romania International – Galbeni, 1443-1512 Jan 15, Romanian program with a man hosting a music program. Several nice IDs and time pips (?) at 1456. Odd time for them, eh? Good signal.
- 13760.0 FRANCE Radio France International – Issoudun, 1913-1938 Jan 30, two men in a discussion in the French language. Fair to good signal but periodic deep fades marred reception.
- 13770.0 CHINA China Radio International – Xian, 0008-0023 Feb 1, woman with the news in Vietnamese . Music ending news program followed by talk features. Poor signal.
- 15285.0 CLANDESTINE Radio Manara International – Issoudun, 1652-1658* Feb 5, man speaking in Hausa language followed by instrumental music and other man talk before carrier was terminated. Poor overall.

Here are the loggings from Rudolf Grimm, various locations in Brazil:

- 5010.0 USA: RMI Family Radio, via Okeechobee, Spanish, 11/01 2340. Music by a piano, Bible Reading, 'La Biblia habla...'. id 'Family Radio, Oakland California, 94621'. 15441.
- 5850.0 USA: RMI Radio Prague, via Okeechobee, French, 11/01 2305. News, comments, Id 'Radio Prague International'. On 2330: 'This is Radio Miami International'. 15421.
- 5960.0 FRANCE: Radio France International, Issoudun, 13/01 2020. Talk, comments. 35543.
- 5995.0 MALI: Radio Mali, Bamako, Arabic, 13/01 2025. Song in Arabic, comments. 25432.
- 6080.0 UZBEKISTAN: NDR GRUSS AN BORD, Annual program by NDR / Hamburg, aimed at listeners who are at sea via Tashkent relay, 2050 UTC, 25432.
- 6010.0 BRAZIL: Radio Inconfidencia, Belo Horizonte, 13/01 2030. Portugese Brazilian song, id. 35443.
- 6110.0 ETHIOPIA: Radio Fana, Addis Abeba, Oromo, 13/01 2045. Talk by male voice. 25332.
- 6140.0 FRANCE: Radio Algerienne Chainé 1, via Issoudun, Arabic, 13/01 2035. Talk by male speaker. 25542.
- 6150.0 OMAN: BBC, via Al-Seela, Arabic, 13/01 2040. Talk by male and female voices speakers. 33533.
- 9345.0 PHILIPPINES: Radio Liangyou (via FEBC), Iba, Chinese, 12/01 1445. Christian program, song. 35443.
- 9380.0 SWAZILAND: TWR Africa, Manzini, Swahili, 27/12 1745. Christian message. 15421.
- 9515.0 SOUTH KOREA: KBS World Radio, Kimjae, Korean, 27/12 1740. Talk by male voice. 15421.
- 9540.0 UAE: IBRA MEDIA Radio Ibrahim, Tigrinya, 27/12 1735. Talk by male, Christian message (?). 25542.
- 9550.0 BRAZIL: Super Rede Boa Vontade de Radio, Porto Alegre, Portugese. 27/12 1725. News, talk. 35553.
- 9819.16 BRAZIL: Radio Nove de Julho, São Paulo, 27/12 1712. Portugese. Catholic program. male talk. 35553.
- 9610.0 AUSTRIA: NDR GRUSS AN BORD, Annual program by NDR / Hamburg, aimed at listeners who are at sea. via Moosbrunn relay, 2020 UTC, 25442.
- 9620.0 INDIA: All India Radio, Bangalore, Arabic, 27/12 1750. Talk by male voice. 25542.
- 9635.0 MALI: Radio Mali, Bamako, Arabic, 27/12 1755. Talk, song in Arabic language. 25432.
- 9740.0 GERMANY: NDR GRUSS AN BORD, Annual program by NDR / Hamburg, aimed at listeners who are at sea. via Nauen relay, 2035 UTC, 25542.
- 9820.0 FRANCE: NDR GRUSS AN BORD, Annual program by NDR / Hamburg, aimed at listeners who are at sea. via Issoudun relay, 2045 UTC, 33543. QRM Radio Nove de julho, São Paulo B.
- 9666.38 BRAZIL: Radio Voz Missionaria, Camboriu, 27/12 1955. Christian message by male voice. 35533.
- 11620.0 GUAM: KSDA Adventist World Radio, via Agat, Ashno Chim, 06/01 1415. Christian programming, instrumental music, talk by YL. 35543.
- 11640.0 MALI: China Radio International, via Bamako, Portuguese, 26/12 1930. Id 'Aqui Radio Internacional da China' by male voice. No speakers communication, just instrumental music. 35543.
- 11650.0 GERMANY: NDR GRUSS AN BORD, Annual program by NDR / Hamburg, aimed at listeners who are at sea. via Nauen relay, 2040 UTC, 35553.
- 11660.0 ASCENSION ISL.: Follow the Bible Ministries, via Georgetown, English, 26/12 1910. Christian pro gram, message, contact E-mail, piano music, end of tx on 1928. 35543.

- 11680.0 NORTH KOREA: KCBS, Kanggy, Korean, 25/01 2015. Comments, instrumental & choir music. 25442.
 11770.0 NIGERIA: Voice of Nigeria, Abuja Lugbe, English, 25/01 1650. Comments 'Africa, Nigeria...'. 25542.
 11745.0 SAUDI ARABIA: Al-Azm Radio, via Jeddah, Arabic, 25/01 2020. Comments. 35443.
 11815.0 BRAZIL: Radio Brasil Central, Goiania, 26/12 1925. Brazilian songs, talk, 'Brasil Central'. 35553.
 11825.0 AUSTRALIA: Reach Beyond Australia (HCJB), via Kununurra, Burmese, 06/01 1430. Christian program, song in Burmese, message by YL, Id. 35543.
 11850.0 UAE: Voice of America, via Al-Dhabbiya, Sudanese, 29/12 1640. Talk and comments. 25422.
 11860.0 SAUDI ARABIA: Republic of Yemen Radio, via Jeddah, Arabic, 25/01 2029. Songs in Arabic, comments by male speaker. 34443.
 11865.0 AUSTRALIA: Reach Beyond Australia (HCJB), via Kununurra, Burmese, 13/01 1145. Christian program, prayer, 'Amen', song. Id in English tomorrow on this time on 11865 kHz'. 35553.
 11885.0 VIETNAM: Voice of Vietnam, Hanoi, German, 25/01 2010. Comments about Vietnam, people... 35553.
 11895.0 BRAZIL: Super Rede Boa Nova de Radio, Porto Alegre, 29/12 1645. Portugese. 'Plantão LBV', religious program. 35543.
 11940.0 SPAIN: Radio Exterior de España, Noblejas, Spanish, 26/12 1940, Sport programming, soccer. 35543.
 12050.0 UK: Radio Ndarason International, via Woofferton, 26/12 1945. Program in Kanuri by OM & YL. 35543.
 12085.0 SRI LANKA: AWR, Trincomalee, Karen, 06/01 1445. Music, comments by YL, song 'Pass me not, oh! gentle Savior' in Karen . 35543.
 13670.0 MADAGASCAR: World Christian Broadcasting, Radio Feda, via Mahajanga, Arabic, 26/12 1920. Christian program, message. 25442.
 13820.0 USA: Radio Marti, Greenville, Spanish, 20/01 2029. Political comments, Cuba. 34333.
 15190.0 BRAZIL: Radio Inconfidencia, Belo Horizonte, 20/01 2015. Portugese. 'A hora do fazendeiro', Brazilian song 'Alvarenga e Ranchinho'. 35553.
 15770.0 USA: NDR GRUSS AN BORD, Annual program by NDR / Hamburg, aimed at listeners who are at sea. via Okeechobee relay, 2055 UTC, 15431.
 15355.0 MADAGASCAR: Adventist World Radio, via Talata-Volonondry, Ibo, 26/12 1955. Preaching . 35443.
 15730.0 USA: Voice of America, Greenville, French, 20/01 2020. Talk and comments. 35543.
 17570.0 MADAGASCAR: AWR, via Talata-Volonondry, Mossi, 29/12 2015. Christian program, message, song, sign-off on 2030. 35443.
 17740.0 NORTHERN MARIANA ISL.: Radio Free Asia, via Agignan Point, Tibetan, 23/01 0105. Comments, instrumental music. 35543.
 17830.0 ASCENSION ISL.: BBC, via Georgetown, English, 29/12 1655. Talk & comments, instrumental music. 35443.
 17880.0 MALI: China Radio International, via Bamako, Arabic, 29/12 1650. Talk in Arabic language, instrumental music. 35333.
 21525.0 USA: RMI Radio Africa, via Okeechobee, English, 20/01 2025. Christian song, 'Holy! Holy! Holy!', 'I surrender all'. 35543.
 21630.0 ASCENSION ISL.: BBC, via Georgetown, English, 25/01 1640. Comments about Africa, 35543.

Thanks a lot to our club members for their contributions:

- RAD : Richard D'Angelo, Wyomissing, Pennsylvania, USA. Ten-Tec RX-340, Drake R-8B, Eton E1, Eton E5, Alpha Delta DX Sloper, RF Systems Mini-Windom, Datong FL3, JPS ANC-4.
 RG : Rudolf Grimm, various locations, Brazil. SONY ICF 2001D + Sihudon R-108 with SML7-30 Alex Loop , KiwiSDR & PAORDT Mini-Whip.
 RL : Richard Lemke, St. Albert, Alberta, Canada. JRC NRD-535 HF with random long wires in trees.

Dear Friends,

Welcome to the second edition of Logbook for the year 2022.

My copy of WRTH 2022 arrived on the 12 th January despatched on 4th January from UK via Belgium. Sad to note that this will be the last edition unless some other publisher takes over.

The problem is the with spiralling cost of the paperback which almost doubled in the past few years. This year's edition had some interesting articles on nostalgic moments from old DXers stretching from 60 to 75 years.

This resonates with my experiences when I started in 1972 while living in India. I started with a 1962 model Murphy* Valve MW/SW radio. While tuning to Radio Ceylon's Binaca Geetmala a popular Hindi musical on SW 11800 kHz the tuning dial slipped into Radio Nederland on 11740 kHz and I began listening to DX Juke Box. Then All Round DXers course introduced me to DX-ing. The only problem we DXers had then was the frequency check of the signal with analog dials.

We had to wait for the station to announce the frequency hoping that there is no static noise/fading interference when the frequency and station ID was announced.

Lots of thoughts about the future of DXing but as long as there is radio I think DXing would survive.

Thanks to our regular contributors,

Ashok Kumar Bose

* Murphy and Bush were domestic brands of radio available in India during those times besides the Indian version of Philips.

	<h2>QSL CORNER</h2> <p>Editor: Dario Gabrielli, Viale della Resistenza 33b, 30031 Dolo (Ve), ITALY eMail: <qsl@wwdxc.de></p>	
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Ascension Island: BBC Atlantic Relay Station 17780 kHz. Hausa programme. E-QSL received after reminder in 668 days (2 years) for follow up report sent to <Ops.Asc@encompass.co.ac>. Verified by Kyla Benjamin/Trainee Communications Technician (HS)

BBC Atlantic Relay Station 11810 kHz. English programme. E-QSL received in 143 days (5 months) for report sent to <Ops.Asc@encompass.co.ac>. Verified by Kyla Benjamin/Trainee Communications Technician (HS)

Denmark: Radio 208 Randers 1440 kHz. Danish/English music programme. QSL received in 139 days (4 months) including some material as stickers, postcards for report sent to: <mail@radio208.dk> including an audio file. Verified by Stig Hartvig Nielsen (HS)

Djibouti: VoA via Relay Djibouti 1431 kHz. English programme. e-QSL received after Reminder in 638 days (2 years) for follow up report sent to <QSL@usagm.gov> (HS)

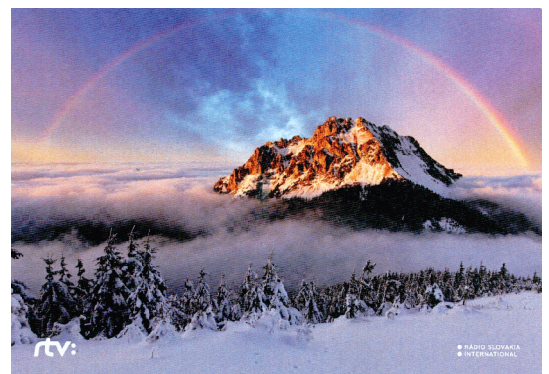
France: Deutsche Welle 15275 kHz via Issoudun. Hausa programme. QSL received in 59 days for report sent to <info@dw.com> (HS)

Germany: HCJB Deutschland 3995 kHz via Weenermoor (Germany). German programme. Full data colour QSL in German ("Rapsfeld", picture taken by Marco Schaa) received in 122 days (1 days for delivery) for e-mail report to <info@hcjb.de>. Other enclosures: HCJB Info 3/2021, devotional booklet, info sheets on missionary Mark-Torsten Wardein (HB)

Radio DARC 6070 kHz via Channel 292. German programme. QSL received in 1092 days for report sent to: <radio@dar.de> (BH)

Radio Slovakia International 6005 kHz via Kall. German programme. Full data colour QSL, received in 23 days (7 days for delivery) for e-mail report to <rsi_german@rtvs.sk> (HB)

Radio Tirana 3985 kHz via Kall (Germany) German programme. Full data colour QSL "Impressionen aus Tirana (K3)", received in 10 days (7 days for delivery) for e-mail report to Astrit Ibro <astrit.ibro@gmail.com>. (HB)



Radio Slovakia International QSL

Germany/Uzbekistan: NDR 6080 kHz via Tashkent (Uzbekistan), "Gruß an Bord" special Christmas eve broadcast to German sailors, full data colour post card (same as in 2019 and 2020). Received in 45 days (1 day postal delivery) for a report in German to <technik@ndr.de>. Official address on the card: Norddeutscher Rundfunk. Technische Teilnehmerberatung, Hugh-Greene-Weg 1, D-22529 Hamburg, www.ndr.de/technik. (HB)

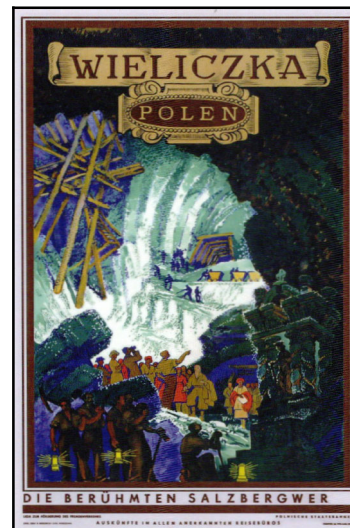
Iran: Islamic Republic of Iran Broadcasting 5940 kHz. German programme. e-QSL received in 409 days for report sent to <hgrradio@gmail.com> (HS)

Lithuania/Poland: Polskie Radio 1386 kHz via Viesintos (Lithuania). German programme. Full data colour QSL-card “Wieliczka, Polen, Die berühmten Salzbergwerke” with text in English. Received in 30 days (4 days for delivery) for e-mail report to: Radio dla Zagranicy, Redakcja Niemiecka, Al. Niepodleglosci 77/85, 00-977 Warszawa (HB)

Myanmar: Myanma Radio, Rangoon 5985 kHz. Burmese programme, email received in 10 days for report sent to <npradio.eng@gmail.com> (HS)

Netherlands: De Blauwe Koe 1629 kHz. Dutch/English programme, hrd via Weston-super-Mare, UK KiwiSDR, full data e-QSL received in one day for English report, .mp3 audio clip and .jpg waterfall screenshot sent to: <deblauwekoe@hotmail.com> (TC)

FluxAM 6975 kHz, test, English programme, hrd via Weston-super-Mare, UK KiwiSDR, no data certificate received in six weeks for English report, .mp3 audio clip and .jpg waterfall screenshot sent to: <fluxam@hotmail.com> (TC)



Polskie Radio QSL



Radio Intersound 6285 kHz, 10-watt test, back on the air after seven years, English programme, hrd via remote SDR in Sweden, e-QSL received in 2 days for English report, .mp3 audio clip, and .jpg waterfall screen shot sent to: <radiointersound@outlook.com> (TC)

Sunlite Radio 5955 kHz from Overslag (on the Dutch side near the Belgian border). Dutch online music station with hourly newscast. Full data colour e-QSL in English received in 1 day for e-mail report to qsl@sunlite.nl (HB)

Philippines: VoA via Relay Tinang 21695 kHz. English programme. e-QSL received after reminder in 241 days (7 months) for follow up report sent to <QSL@usagm.gov> (HS)

Romania: Radio Romania International 11880 kHz. German programme. Full data colour QSL card in English (“Union Square Oradea”). Received in 118 days (11 days postal delivery) for a report in German to <germ@rri.ro> (HB)

Taiwan: Radio Taiwan International 5900 kHz via Kostinbrod (Bulgaria). German programme. Full data colour QSL card in English (2022-1 Freedom Reigns) for e-mail report to German service <deutsch@rti.org.tw>. Received in 18 days (9 days for air mail delivery) (HB)

Thailand: Radio Thailand via VoA Relay Udon Thani 17850 kHz. Thai programme. VoA-QSL received in 466 days (1,5 years) for report sent to <manager_thailand@tha.ibb.gov> (HS)

Turkey: TRT Voice of Turkey 6165 kHz, English programme. QSL received in 99 days for report sent to: TRT Voice of Turkey, Box 333, 06-443 Yenisehir, Ankara (HS)

Vietnam: Stimme Vietnams 9730/11855 kHz. German service. Full data colour e-QSL document in German. Received in 14 days for e-mail report to German service <deutsch_vov@yahoo.com> (HB)



New round RTI QSL

The reporters of this edition of QSL CORNER have been:

- HS = Harald Suess, Strasshof, Austria
- BH = Bernd Henning, Stipsdorf, Germany
- BS = Bernd Seiser, Ottenau, Germany
- HB = Hansjoerg Biener, Nuremberg, Germany
- SG = Siegbert Gerhard, Frankfurt am Main, Germany
- TC = Terry Colgan, Austin, Texas, USA

Many thanks to all contributors. Please remember that the next deadline for your contributions is on **12 March 2022** at 23:00 UTC,

Dario