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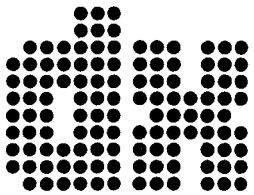
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WORLD WIDE DX CLUB



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## Staff of WORLDWIDE DX CLUB:

- PRESIDENT AND CHIEF EDITOR** . . . ✉ WWDXC Headquarters, Michael Bethge, Postfach 12 14, D-61282 Bad Homburg, Germany ● E-Mail: mail@wwdxc.de ☎ +49-6172-123118 ● ☎ +49-6172-123117
- BROADCASTING NEWS EDITOR** . . . ✉ Walter Eibl, Germany  
E-Mail: news@wwdxc.de
- LOGBOOK EDITOR** . . . . . ✉ Ashok Kumar Bose, 106 Aspermont Crescent, Brampton, Ontario, L6P 3Z3, Canada ● E-Mail: logbook@wwdxc.de
- QSL CORNER EDITOR** . . . . . ✉ Dario Gabrielli, Viale della Resistenza 33b, I-30031 Dolo (Ve), Italy  
E-Mail: qsl@wwdxc.de
- TOP NEWS EDITOR (Internet)** . . . . ✉ Wolfgang Büschel, Hoffeld, Sprollstrasse 87, D-70597 Stuttgart, Germany ● E-Mail: topnews@wwdxc.de
- TREASURER & SECRETARY** . . . . ✉ Karin Bethge, Urseler Strasse 18, D-61348 Bad Homburg, Germany
- NEWCOMER SERVICE OF AGDX** . ✉ Hobby-Beratung, c/o AGDX, Postfach 12 14, D-61282 Bad Homburg, Germany (please enclose return postage)

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We have no fixed deadlines. Contributions may be sent either to WWDXC Headquarters or directly to our editors at any time. If you send your contributions to WWDXC Headquarters, please do not forget to write all contributions for the different sections on separate sheets of paper, so that we are able to distribute them to the competent section editors.

- 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>>



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DX MAGAZINE No. 3

Vol. LVI

March 2021

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 **EUROPEAN DX COUNCIL** is pleased to announce dates for the European DX Council 2021 conference: If we can travel freely and safely, the conference will take place in Bucharest, Romania, 17 to September 19, 2021. More details will be made available in a couple of months.

Finally, for now, a reminder of the EDXC social media presence: As well as the website at <<https://edxcnews.wordpress.com>>, we are on YouTube <<https://tinyurl.com/EuropeanDXCouncil>>, Facebook <<https://tinyurl.com/EDXCFacebook>>, Twitter <[@DXCouncil](#)> and Instagram <[@europeandxcouncil](#)>.

(Chrissy Brand, Secretary General, EDXC)

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

## NEWS ABOUT BROADCASTING (+other) STATIONS

Editor: WALTER EIBL ■ eMail: <[news@wwdxc.de](mailto:news@wwdxc.de)>

### European Private Shortwave Stations

**Stand: March 2021** Only legal stations are included. Most stations use 100 – 3000 Watts of power. D = Germany, DNK = Denmark, FIN = Finland, NL = Netherlands, NOR = Norway, S = Sweden; Irr. = irregular, F.pl.: future plan, min. = minutes Mo = Monday, Tu = Tuesday, We = Wednesday, Th = Thursday, Fr = Friday, Sa = Saturday, Su = Sunday

kHz	Country	Name	Transmitter site	Schedule (UTC)
3920	NL	Radio Piepzender	Zwolle	Mainly weekends
3955	D	Radio Channel 292	Rohrbach Waal	(24/7 F.pl.)
3975	D	AM Shortwave Radio	Winsen	Daily 0700-2300
3985	D	Shortwaveservice	Kall-Krekel	Daily 1500-2300
3995	D	HCJB	Weenermoor	24/7
5810	NL	Mike Radio	Heerde	Irr.
5895	NOR	The C / Radio Northern Star	Bergen	Daily 0429-1358 / 1359-2310
5920	D	HCJB	Weenermoor	Daily 0600-1700
5930	DNK	World Music Radio	Bramming	Daily 0700-1745
5970	DNK	Radio208	Hvidovre	Daily 0700-1600
5980	DNK	Radio OZ-Viola	Hillerød	Wed 2200-2300, Sa-Su 1200-1400
5980	FIN	Scandinavian Weekend Radio	Virrat	1st Sa of the month
6005	D	Shortwaveservice	Kall-Krekel	Daily 0900-1700

6005	NL	Radio Delta International	Elburg	Irr. Saturdays 2100-0200
6020	NL	Radio Delta International	Elburg	Sa-Su 0900-1300
6070	D	Radio Channel 292	Rohrbach Waal	Mo-Fr 0600-2200, Sa-Su 0500-0300
6085	D	Shortwaveservice	Kall-Krekel	Daily 0800-1700 (Radio MiAmigo)
6115	D	Radio SE-TA 2	Hartenstein	Irr. Sa-Su 1000-1200
6140	NL	Radio Onda, Belgium	Borculo, NL	Weekends only
6150	D	Europa 24	Datteln	Daily 0700-1600
6160	D	AM Shortwave Radio	Winsen	Daily 0800-1600
6170	FIN	Scandinavian Weekend Radio	Virrat	1st Sa of the month
7365	D	HCJB	Weenermoor	Daily 0900-1400
9670	D	Radio Channel 292	Rohrbach Waal	24/7 (F.pl.)
11690	FIN	Scandinavian Weekend Radio	Virrat	1st Sa of the month
11720	FIN	Scandinavian Weekend Radio	Virrat	1st Sa of the month
15790	DNK	World Music Radio	Randers	Sa-Su 0700-2000
15880	NL	Radio Piepzender	Zwolle	F.pl.
25770	DNK	World Music Radio	Maarslet	F.pl. in A21

This list has been compiled by Stig Hartvig Nielsen (shn@wmr.dk) each first day of the month – and is based on details supplied by the various radio stations, the stations websites and HFCC registrations. The list is not copyrighted and may be published everywhere. Next list will be published on April 1st, 2021.

**BULGARIA** - Updated schedule of Bible Voice Broadcasting via SPC-NURTS Spaceline Ltd. Sofia Kostinbrod Bulgaria relay site.

0200-0215 5900 SOF 50 kW 126 deg to NE/ME Arabic - Dardasha 7 has been cancelled  
 0215-0230 5900 SOF 50 kW 126 deg to NE/ME Arabic - Dardasha 7 has been cancelled  
 1500-1515 11600 SOF 100 kW 306 deg to WEu Arabic - Dardasha 7 new, addit. txion till 1459 UT; and from 1516 UT same frequency is Brother Stair via SOF Kostinbrod-BUL.  
 1715-1730 5995 SOF 50 kW 126 deg to NE/ME Arabic - Mo/Wed as scheduled in B-20  
 1715-1745 5995 SOF 50 kW 126 deg to NE/ME Arabic - Thu/Fr/Sa, has been cancelled  
 1745-1800 5995 SOF 50 kW 126 deg to NE/ME Arabic - Dardasha 7 as scheduled B-20  
 1931-1945 5900 SOF 50 kW 126 deg to NE/ME Arabic - Dardasha 7 as scheduled B-20  
 1945-2000 5900 SOF 50 kW 126 deg to NE/ME Arabic - Dardasha 7 as scheduled B-20  
 1945-2000 9400 SOF 50 kW 195 deg to NAF Arabic - Dardasha 7 new, addit. txion (Ivo Ivanov-BUL, hcdx via wwdxc BC-DX Topnews Febr 18)

Frequency change of World's Last Chance via SOF - SPC - NURTS Spaceline Ltd. Sofia Kostinbrod Bulgaria relay site:

0700-0800 NF15780 SOF 100 kW 126 deg to NE/ME Arabic WLCRadio, ex17510 kHz  
 0800-1000 NF15780 SOF 100 kW 126 deg to NE/ME Arabic WLCRadio, ex17520 kHz  
 (Ivo Ivanov-BUL, hcdx via wwdxc BC-DX Topnews March 10)

**CANADA** - 6070 kHz at 2232 UT on March 4, CFRX TORONTO, CFRB 1010 (CANADA) SINPO 35122. English, various advertisements. At 2235 UT male interviewing male about how public health dropped the ball on Covid19, with call-ins.

Backyard Fence antenna, Eton e1XM. 1kW, Omni, bearing 94 degr. Received at Plymouth, United States, 1116 km from transmitter at Mississauga (Clarkson, 43 30 39.67 N 79 37 48.07 W) ON. Local time: (Rodney Johnson-Plymouth-MI-USA, wor March 4)

6069.988 CAN CFRX Toronto (probably), JBA S=3 or -109dBm signal, JBA under threshold at 12.55 UT on March 4. (wb)

CFVP info: 6030 kHz return delayed more. This is the follow up info on the possible return of 6030 kHz, from a friend in Calgary who emailed their engineer for more info .... (Don Moman VE6JY, CAN, wor March 1)

I talked to the CE. You were correct. It's off the air. It was so weak here most of the time I couldn't really hear it when it was on the air! It will be coming back. They had a transmitter problem which has been fixed, but they have also identified an antenna issue. The problem is troubleshooting and testing the antenna and matching network in the point blank presence of a 50 kW AM transmitter. Testing / repair on CFVP radiator will be done when the 50 kW signal can

be powered down or off, to enable more accurate testing.

Bell will not power down or shut down during ratings periods which are long and frequent. Having said that ... Repair will likely happen with the above taken into consideration, as well as warm weather. Best guess: Before next winter at the latest, this spring the earliest.

(via Don Moman VE6JY, CAN, via GH WOR March 1)

**CHINA {TIBET province}** - "Holy Tibet" (Xizang PBS) with the sanitized news. 6200 kHz Xizang PBS, via Lhasa Baiding #602 site, 1600 UT on Feb 13. Special Spring Festival - Lunar New Year's "Holy Tibet" show; "Welcome to the special edition of Tibet Review. Brought to you by 'China Tibet Radio and Television' " (in the past was always "presented by China Tibet Broadcasting"); somewhat readable in English; news item about China helping Nepal get the COVID19 vaccine and about China/Nepal relations.

Checking online news sources, find a rather different slant to the sanitized "Holy Tibet" version.

"Leaked documents of correspondence between Nepal's Ministry of Foreign Affairs and the Chinese Embassy in Kathmandu show that Beijing had put pressure on the Himalayan country to accept its Covid vaccine without its efficiency and efficacy being established.

The Nepali media on Sunday published stories on the basis of the leaked correspondence which show how China made Nepal accept its Sinovac vaccine produced by Sinopharm without any further delay."

(Ron Howard-CA-USA, wor via wwdxc BC-DX TopNews Febr 13)

**CUBA** - 5999.999 RHC Quivican San Felipe TITAN 250 kW bcast center site noted in English up to 0800 UT on Febr 18, S=9+20dB at 06.51 UT in C.C.FL, same at Rochester NY; and S=9+20dB or -51dBm excellent audio and signal in Pardinho Brazil and TWR Bonaire Netherlands Caribbean island remote KiwiNet access, at 07.07 UT on Febr 18. BUT when checked again at 07.26 UT all RadioCuba outlets in 49 and 31 mb were OFF AIR.

6060even RHC Bauta site outlet at 06.49 UT on Febr 18, S=9+20dB, talk at 06.57 UT about coming R Habana MAILBAG show in next 60 minutes to come. In Brazil only S=6 signal.

9699.997 kHz frequency from RHC Bauta outlet towards 340degr into CA Alta California in western US and CAN province states; few 3 Hertz on lower sideband. S=9+5dB signal into NY / NJ eastern states gear remotely. 06.58 UT on Febr 18.

5024.998 kHz Radio Rebelde Bauta, Spanish language domestic sce, at 07.24 UT, talk on Rebelde Siempre on internet access <<http://www.rebelde.cu>> mentioned Los Cubanos - socioeconomico de Cuba ... Seems to leave after 07.15 UT: De alguna manera, RadioCuba / RHC parece dejar de transmitir entre las 07.15 y las 07.30 UTC todos los dias. Solo 5025 kHz Radio Rebelde Bauta permanece en el aire. See also proper signal from Mexico D.F. 6185v

[selected SDR options, span 12.5 kHz RBW 15.3 Hertz] (wb df5sx, wwdxc BC-DX TopNews Febr 18)

UTC midday monitoring remoted units in Cape Canaveral FL, Rochester NY, and Edmonton Alberta CAN, on Febr 14.

12000even RHC Spanish HARMONIC SIGNAL of Quivican San Felipe TITAN 250 kW transmission on fundamental 6000 kHz in 49 mb at same time, 13.34 UT on Febr 14. S=5 or -102dBm.

6000even QUI RHC Spanish, S=9+30dB  
 6100even BAU S=9+25dB at 13.38 UT.  
 9535.001 BEJ S=7-8  
 9650.003 BEJ S=8  
 11760even BAU S=8-9  
 13740even BAU S=9+15dB at 1351 UT, superb 20 kHz wideband audio signal.  
 15230 not on air.  
 15140even BAU S=5-6 in NY, S=9+5dB in Alberta CAN, MUCH DISTORTED AUDIO feed, terrible signal at 13.51 UT.

Compare at same time 13.53 UT:

15770 kHz WRMI Okeechobee-FL, USA S=7-8

13685even MLI CRI Africa relay site Bamako French, S=6 sidelobe into NY.

13844.987 odd fq, USA WWCR Nashville, S=8, chorus at 13.48 UT.

[selected SDR options, span 12.5 kHz RBW 15.3 Hertz] (wb df5sx, wwdxc BC-DX TopNews Febr 14)

RHC's Bejucal transmitters are off at 1200 & 1300 UT, March 8

1200-1500 6000 QVC 250 kW non-dir to NCAm Spanish - from 1257 UT  
 1200-1400 6100 BAU 100 kW 340 deg to WNAm Spanish AS SCHEDULED  
 1200-1600 9535 BEJ 100 kW 230 deg to CAm Spanish - NOT ON AIR  
 1200-1600 9650 BEJ 050 kW 110 deg to SAm Spanish - NOT ON AIR  
 1200-1600 11760 BAU 100 kW non-dir to NCAm Spanish AS SCHEDULED  
 1200-1500 13740 BAU 100 kW 160 deg to SAm Spanish AS SCHEDULED  
 1200-1600 15140 BAU 100 kW 130 deg to SAm Spanish AS SCHEDULED  
 1300-1600 15230 QVC 250 kW 305 deg to WNAm Spanish AS SCHEDULED  
 (Ivo Ivanov-BUL, hcdx via wwdxc BC-DX Topnews March 8)

6180 kHz March 3 at 0104 UT, algo JBA but not CRI relay; its S=9+10dB carrier comes on late at \*0105 UT but open for a while; by 0113 UT recheck modulating in English. Understation maybe Brasil, but unseeded // 11780 kHz with SBG excitement. In fact CRI has a 6180 kHz simulcast English via Kashgar, East Turkistan China, land of brainwashing Uighurs to become good little Mandarins. Something's always wrong at RadioCuba.  
 (gh, hcdx and WOR March 3)

**FRANCE** - Upcoming frequency changes of Radio France International:

0700-0800 15300 ISS 500 kW 155 deg to CAf French till Febr 27  
 0700-0800 NF17850 ISS 500 kW 155 deg to CAf French from Febr 28  
 1800-1900 9660 ISS 500 kW 160 deg to CAf French till Febr 27  
 1800-1900 NF11995 ISS 500 kW 160 deg to CAf French from Febr 28  
 1800-1900 11995 ISS 500 kW 150 deg to CAf French till Febr 27  
 1800-1900 NF13740 ISS 500 kW 150 deg to CAf French from Febr 28

**B20 DRM schedule of Radio France International IS ONLY 3965 kHz**

0000-2400 3965 ISS 010 kW non-dir to WEu French in B20 HFCC  
 0900-1200 6175 ISS 100 kW 153 deg to SEEu French is inactive  
 0900-1200 6175 ISS 100 kW 267 deg to SWEu French is inactive  
 1200-1500 6175 ISS 150 kW non-dir to WEu French is inactive

**All other registered frequencies are NOT ON AIR, from Febr 21:**

0830-0900 21620 ISS 150 kW 105 deg to SAs French addit.txion  
 1130-1200 21620 ISS 150 kW 105 deg to SAs French addit.txion  
 1300-1330 21620 ISS 150 kW 105 deg to SAs French x 11735 kHz  
 1500-1530 15310 ISS 150 kW 105 deg to SAs French ex9905 kHz  
 1730-1800 11630 ISS 150 kW 105 deg to SAs French ex9905 kHz  
 2100-2130 9580 ISS 150 kW 105 deg to SAs French addit.txion  
 2330-2400 9885 ISS 150 kW 105 deg to SAs French ex5875 kHz

(Ivo Ivanov-BUL, hcdx via wwdxc BC-DX TopNews Febr 23)

{veiled bcast towards northern Ethiopia} 15160 kHz Dimtse Tigray (Tigray Media House) - via TDF Issoudun, 1553-1559\* UT on Feb 25. Horn of Africa vocals followed by a man and woman announcer with closing announcements in presumed Tigrinya language before silence ended program. Fair with no jamming noted today.  
 (Rich D'Angelo-PA-USA, NASWA via WOR Febr 28)

15160 kHz Dimtse Woyane - via TDF Issoudun site, \*1600-1617 UT on Febr 25 Instrumental musical notes followed by a man announcer with presumed Tigrinya language announcements. A man and woman began alternating apparent news items. Fair but deteriorating as jamming picked up and some deep fades.  
 (Rich D'Angelo-PA-USA, NASWA via WOR Febr 28)

New clandestine broadcasts via TDF Issoudun:

Tigray Media House Dimtse in Tigray language  
 1500-1600 15160 ISS 250 kW 127 deg to EAf Tigrinya

Dimtse Woyane DW International

0400-0500 9760 ISS 250 kW 127 deg to EAF Tigrinya

1600-1700 15160 ISS 250 kW 127 deg to EAF Tigrinya

Voice of the Dawn of Tigray Dimtse Wegahta Tigray language.

1700-1800 15340 ISS 250 kW 127 deg to EAF Tigrinya

(Ivo Ivanov-BUL, hcdx via wwdxc BC-DX TopNews Febr 10)

15160 kHz Anti-Ethiopian Government Broadcasts. Presumed Dimtse Woyane DW International (TDF Issoudun), broadcast to Tigray region of Ethiopia, at 1608 UT with man in Tigrinya, maybe news. At 1655 UT recorded speaker, female host commenting, off suddenly mid-word at 1658 UT. Good, Febr 11.

15340 kHz presumed Voice of the Dawn of Tigray / Dimtse Wegahta Tigray (TDF Issoudun) broadcast to Tigray region of Ethiopia, at 1700 UT on suddenly with instrumental music, 1701:30 UT man with sign-on over music, Tigrinya language, 1702:30 UT into talk - Very good, Febr 11.

(Harold Sellers-BC-CAN, direct and WOR via wwdxc BC-DX TopNews Febr 12)

Updated B-20 DRM test schedule of Radio France International - changes from February 16:

1130-1200 on 21620 ISS 150 kW / 105 deg to SAs French, addit. txion

1300-1330 NF 21620 ISS 150 kW / 105 deg to SAs French, ex 11735 kHz

1500-1530 NF 15310 ISS 150 kW / 105 deg to SAs French, ex 9905 kHz

1730-1800 NF 11630 ISS 150 kW / 105 deg to SAs French, ex 9905 kHz

2100-2130 on 9580 ISS 150 kW / 105 deg to SAs French, addit.txion

changes from February 21:

0830-0900 on 21620 ISS 150 kW / 105 deg to SAs French, addit. txion

2330-2400 NF 9885 ISS 150 kW / 105 deg to SAs French, ex 5875 kHz

(Ivo Ivanov-BUL, hcdx via wwdxc BC-DX TopNews Febr 16)

**FRANCE / TURKEY** - 9525even 'Denge Welat' the Kurdish national shortwave radio stn from Brussels?, via TDF Issoudun France broadcast center, fight against Ottoman Empire successor Pres Erdogan Turkey jamming co-channel, - from Emirler center on fq 9525.022 kHz both S=9+30dB or -43 dBm signal. noted in Piliyandala Sri Lanka remotely. [selected SDR options, span 12.5 kHz RBW 15.3 Hertz] (wb df5sx, wwdxc BC-DX TopNews March 7)

**GERMANY / FRANCE** - Bible Voice Broadcasting at new time/new frequency / new tx via MBR Cologne / Nauen/Germany:

1430-1459 15300 N 100 kW 160 deg to CEAF Nuer from Febr 15

1630-1659 11875 ISS 100 kW 135 deg to CEAF Nuer via TDF cancelled

At 1430 UT announcement is "This is Bible Voice Broadcasting to Central Africa", but in their schedule transmission is beamed to Sudan. Estimated 2 millions of Nuer national people live in south Sudan.

<[https://en.wikipedia.org/wiki/Nuer\\_people](https://en.wikipedia.org/wiki/Nuer_people)>

(Ivo Ivanov-BUL / hungaroboy-HNG, hcdx via wwdxc BC-DX Topnews Febr 17)

**GREECE** - 9420 kHz on Sa, Febr 27, at 0359-0430 UT, Voice of Greece, Avlis-GRC, in Greek. IS and a piece of the National Anthem; 0400 UT IS-ID; 0402 UT Man announcer talks, with music background; 0404 UT Begins a musical program with instrumental songs by a guitar, only: It seems to be a "Guitar Concert". Excellent VOG program in this return to my area, after some time without the signal! Good reception this dawn, here! I'm pleased to hear the Voice of Greece! (Jose Ronaldo Xavier-BRA, hcdx Febr 27)

**INDIA** - The following transmissions of All India R External Services are now back shortwave, effective from Febr 9:

0300-0400 9949.8 DEL 100 kW 282 deg to SAs Baluchi

0400-0500 11739.8 DEL 100 kW 102 deg to CAs Nepali

0400-0500 15030.0 BGL 500 kW 60 deg to CAs Nepali

0500-0600 15030.0 BGL 500 kW 300 deg to NE/ME Arabic

1045-1200 11559.8 DEL 100 kW 102 deg to CAs Tibetan

1215-1315 15030.0 BGL 500 kW 240 deg to EAF Swahili

1930-2030 9620.0 BGL 185 kW 300 deg to WEu French DRM or AM

2345-0115 13695.0 BGL 500 kW 60 deg to EAs Chinese

Here other broadcasts of All India Radio starting in January:

0130-0230 13695.0 BGL 500 kW 120 deg to SEAs Indonesian

0800-0830 15030.0 BGL 500 kW 325 deg to WAs Persian

0845-0930 11559.8 DEL 100 kW 282 deg to WAs Pashto

0845-0930 17830.0 BGL 500 kW 300 deg to WAs Pashto

0900-1000 9949.8 DEL 100 kW 102 deg to CAs Nepali

1330-1430 9949.8 DEL 100 kW 282 deg to WAs Dari

(Ivo Ivanov-BUL, hcdx via wwdxc BC-DX Topnews Febr 9)

Please see latest schedule in <<https://qsl.net/vu2jos/es/time.htm>>

(Jose Jacob-IND VU2JOS)

5040.002 New reshuffled AIR Jeypore - like probably Odiya language as scheduled til 04.35 UTC. S=9+15dB proper but morning fluttery signal in South Asia at 00.44 UT March 7, in Piliyandala Sri Lanka remotely.

[selected SDR options, span 12.5 kHz RBW 15.3 Hertz] (wb df5sx, wwdxc BC-DX TopNews March 7)

All India Radio Delhi (Kingsway) 100 kW test transmission for next one week:

0530-0800 UT on 5900 kHz (NVIS Arial) VBS

1030-1200 UT on 5900 kHz (NVIS Arial) VBS

Presently in AM mode, in future may be in DRM mode. Reception reports to :

<[spectrum-manager@prasarbharati.gov.in](mailto:spectrum-manager@prasarbharati.gov.in)>

(Alokesh Gupta-IND, DXindia March 12)

NVIS Arial, fountain like steep angle direction antenna, wb.

AIR in Burmese was noted only on single day ie March 7 on 9950 kHz from 0245 UTC. On following days Baluchi language noted on 9950 kHz at 0300-0400 UTC.

AIR External Service in Burmese language noted back today after many months with new schedule 9950 kHz at 0245-0345 UTC.

(Jose Jacob-IND VU2JOS; <[vu2josniar.org](mailto:vu2josniar.org) -at- groups.io> March 7)

### **JAPAN [to KRE] - Frequency changes of JSR Shiokaze / Sea Breeze as of March 4:**

1300-1400 NF 7310 YAM 300 kW 280 deg to NEAs various langs, ex6085

1300-1400 NF 7345 YAM 300 kW 280 deg to NEAs various langs, ex7280

1300-1330 Japanese Mo/Tue/Sa/Su; Korean Wed/Fr and English Thu;

1330-1400 Korean Wed/Fr/Sa/Su; Japanese Mo/Tue and English Thu.

1600-1700 NF 5990 YAM 300 kW 280 deg to NEAs various langs, ex5955

1600-1700 NF 6110 YAM 300 kW 280 deg to NEAs various langs, ex7285

1600-1630 Japanese Mo/Tue/Sa/Su; Korean Wed/Fr and English Thu;

1630-1700 Korean Wed/Fr/Sa/Su; Japanese Mo/Tue and English Thu.

And frequency changes of Furusato no Kaze via JSR Shiokaze as of March 4:

1405-1435 NF 6095 YAM 300 kW 280 deg to NEAs Japanese Daily, ex6070

1405-1435 NF 7325 YAM 300 kW 280 deg to NEAs Japanese Daily, ex7270

(Ivo Ivanov-BUL, hcdx via wwdxc BC-DX Topnews March 4)

### **KUWAIT / UAE - Frequency changes of USAGM Radio Free Asia RFA in Burmese:**

0030-0130 7435 DHA 250 kW 90 deg to SEAs Burmese, addit. freq.

1230-1330 15135 DHA 250 kW 90 deg to SEAs Burmese, addit. freq.

1230-1330 NF15120 KWT 250 kW 94 deg to SEAs Burmese, ex15110 KWT

to avoid odd 15109.7 kHz KBD 250kW 310deg to WeEUR Arabic GS DRM R.Kuwait

(Ivo Ivanov-BUL, hcdx via wwdxc BC-DX TopNews Febr 10)

### **KUWAIT / MARIANA ISL {Saipan / Tinian Isl} / PHILIPPINES / TAJIKISTAN / THAILAND / UAE -**

AGM United States Agency for Global Media (USAGM) transmissions in Burmese language on shortwave and



mediumwave 1575 kHz at Bangkok, Thailand.

Voice of America and Radio Free Asia broadcasts in Burmese language:

07.00-08.00 UT	17815 (TIN) RFA	15315 (SAI) RFA				
12.00-12.30 UT	17680 (PHT) VOA	15560 (PHT) VOA	11965 (PHT) VOA			
12.30-13.30 UT	15135 (DHA) RFA	15120 (KWT) RFA	11795 (SAI) RFA			
13.30-14.00 UT	13740 (TIN) RFA	12055 (TIN) RFA	11795 (KWT) RFA			
14.00-14.30 UT	12055 (TIN) RFA	11795 (KWT) RFA				
14.30-15.30 UT	15450 (PHT) VOA	11870 (PHT) VOA	9335 (PHT) VOA	1575 (BAK) VOA		
15.30-16.30 UT	11870 (PHT) VOA	9380 (PHT) VOA	9335 (PHT) VOA	1575 (BAK) VOA		
16.30-17.30 UT	9335 (PHT) VOA	1575 (BAK) VOA				
17.30-18.00 UT	5885 (UDO) VOA	1575 (BAK) VOA				
23.30-00.30 UT	9380 (PHT) VOA	9335 (PHT) VOA	6150 (UDO) VOA	1575 (BAK) VOA		
00.30-01.00 UT	15110 (TIN) RFA	7510 (DB ) RFA	7340 (DHA) RFA	1575 (BAK) VOA		program <<<< !
01.00-01.30 UT	15110 (TIN) RFA	7510 (DB ) RFA	7340 (DHA) RFA			
01.30-02.30 UT	15110 (PHT) VOA	11820 (PHT) VOA	9355 (UDO) VOA			
02.30-03.30 UT	17525 (PHT) VOA	15235 (PHT) VOA	9355 (UDO) VOA			

(USAGM, March 6)

**LIBERIA** - 6050 kHz ELWA w/En Religious tx and Jesus Pop music right on the edge of being understandable, but clearly En with mentions of "Jesus Christ" and "God's love" among occasional other English words popping up from the noise floor. Mentioned "Vancouver British Colombia" address (for the show I presume) at :25 and an actual ID as "E-L-W-A" clearly there but then degenerating like the tape got slowed down at :27 and into EZL Jesus music. Continuing past the nominal end of their sked broadcast w/OM tx at :30 (s/off ancmts? in the mud) and into "All Hail, Liberia, Hail!" (the Liberian National Anthem) and off at :33. 2+5332 and getting better as Arnold approached up to 353+3+2+ by BoH, if only they were on just another half hour or so! 2215-2233\* UT Febr 26.  
(Ken Zichi, Williamston-MI-USA, Michigan ARE Tipsheet / wor March 5)

**MEXICO** - 6184.973 kHz odd fq as usual, XEPPM Radio Educacion Mexico D.F. Spanish outlet, noted at 06.55 UT female singer performance, like Fado singer canciones heard this (UTC) morning. S=7-8 in NY and NJ eastern US state Perseus units. Also S=6 or -81dBm signal strength noted at Kiwi-Net TWR Bonaire Netherland Caribbean site. [selected SDR options, span 12.5 kHz RBW 15.3 (wb df5sx, wwdxc BC-DX TopNews Febr 18)]

**NEW ZEALAND** - Updated B-20 SW schedule of Radio New Zealand RNZ Pacific according to their web  
<<https://www.rnz.co.nz/international/listen>>

AM mode Daily:

1959-2258	13840	RAN	50 kW	35 deg	to All Pacific English
2259-0358	15720	RAN	50 kW	35 deg	to All Pacific English, ex2259-0558UT
0359-0658	13730	RAN	50 kW	35 deg	to All Pacific English, ex0559-0758UT
0659-0858	11725	RAN	50 kW	35 deg	to All Pacific English, ex0759-0958UT
1259-1650	6115	RAN	50 kW	35 deg	to All Pacific English

AM mode Mo-Fr:

0859-1258	9700	RAN	100 kW	325 deg	to NWPa/PNG/As English, ex0959-1258UT
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AM mode Sa/Su:

0859-1258	9700	RAN	50 kW	35 deg	to All Pacific English, ex0959-1258UT
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AM mode Saturday:

1651-1858	6115	RAN	50 kW	35 deg	to All Pacific English
1859-1958	11725	RAN	50 kW	35 deg	to All Pacific English

DRM mode Su-Fr:

1651-1735	NF5975	RAN	35 kW	35 deg	to Tonga/Samoa English, ex9780 kHz
1736-1835	9780	RAN	35 kW	35 deg	to Tonga/Samoa English, ex1651-1835UT
1836-1958	11690	RAN	35 kW	35 deg	to Tonga/Samoa English

(Ivo Ivanov-BUL, hcdx via wwdxc BC-DX Topnews March 11)

**ROMANIA** - Frequency change of Radio Romania International RRI in English:

2300-2356 NF9620 TIG 300 kW 67 deg to Eaf English, ex6090 Khz 52 degr  
(Ivo Ivanov-BUL, hcdx via wwdxc BC-DX TopNews Febr 19)

Frequency changes of Radio Romania International:

0000-0056 NF11830 TIG 300 kW 247 deg to SAm Spanish, ex11800  
 0300-0356 NF11830 TIG 300 kW 247 deg to SAm Spanish, ex11800  
 0400-0456 NF13720 TIG 090 kW 97 deg to SAs English DRM, ex9820  
 0500-0526 NF13720 TIG 090 kW 67 deg to EAs Chinese DRM, ex13730  
 0800-0856 NF17750 GAL 300 kW 110 deg to WAs Romanian Sun, ex17640  
 0900-0956 NF17750 GAL 300 kW 175 deg to Eaf Romanian Sun, ex17640  
 2200-2256 NF11790 TIG 300 kW 247 deg to SAm Spanish, ex11800  
 (Ivo Ivanov-BUL, hcdx via wwdxc BC-DX Topnews Febr 18)

**RUSSIA** - After an absence of several months, I noted Radio Purga (Russia) back again with non-stop uninteresting music on 9540 kHz. Occasional drop outs, but otherwise pretty decent copy via my Masset KiwiSDR remotely at 00:15 UTC on 12 March 2021 ... Walt, (wor iog)

Wish it were not in DRM mode. Would love to be able to hear (Blizzard Radio). (Ron Howard-CA-USA, WOR March 11)

Website with audio streaming <<https://radiopurga.org/>>

A-21 requested:

kHz	time	ITU	loc	kW	deg	ant	date	ADM	BRC	FMO
15735	0400	1000	26	K/A	20	34	0 228 280321 301021	N=DRM	RUS	VOR GFC
9850	2000	2300	26	K/A	20	34	0 216 280321 301021	N=DRM	RUS	VOR GFC
12025	2300	0400	26	K/A	20	34	0 218 280321 301021	N=DRM	RUS	VOR GFC

Radio Agency - Moscow

<<http://www.hfcc.org/data/schedbyfmo.php?seas=B20&fmor=RAM>>

Radio Russia

<<http://www.hfcc.org/data/schedbybrc.php?seas=B20&broadc=RRS>>

**SPAIN** - Here is the schedule of Radio Exterior de Espana for A21:

Mo to Fr 1500-2300 11670 WAF, 15520 ME/NE

Mo to Fr 1800-2400 11940 SAm, 17855 NAm

Tu to Sa 0000-0200 11940 SAm, 17855 NAm

Sa & Su 1400-2200 11670 WAF, 11940 SAm, 17855 NAm, 15520 ME/NE

Most of the time in Spanish but including Portuguese, English, French and Ladino programme.  
(Pedro Sedano, Madrid\_ESP, wor March 10)

**TAIWAN** - Frequency changes of Radio Taiwan International RTI:

0900-1000 12005\*PA0 100 kW 225 deg to SEAs Amoy, ex9735  
 1000-1030 12005\*PA0 100 kW 225 deg to SEAs Cantonese, ex9735  
 1030-1100 12005\*PA0 100 kW 225 deg to SEAs Hakka, ex9735  
 2200-2230 NF 6085 TSH 300 kW 002 deg to NEAs Korean, ex5955  
 \*same time 12005 BIB 100 kW 105 deg to WAs Farsi Radio Farda  
 (Ivo Ivanov-BUL, hcdx via wwdxc BC-DX TopNews Febr 10)

Weak to fair reception in the U.K. on 9405 via Taipei Tamsui transmitter at 285 degrees English for South Asia and Middle East 16.00-17.00 UT.

Heavy splash from Brother Stair via Kostinbrod BUL on 9400 kHz and very weak CNR on 9410 kHz. 9405 kHz replaces winter freq. 6185 kHz which was blocked here by the Vatican for the first 40 minutes.

(Alan Holder G4ZBH, Isle of Wight, U.K., WOR March 6)

**TAIWAN [from KOREA REP. OF]** - 7200 kHz, National Unity Radio, at 1147 UT, on March 10 (Wednesday).

Checking for the normal weekday English language lesson, but instead found a brief Chinese language lesson; started

and ended with child singing Chinese jingle mostly in Korean; gave a few words in Chinese and sentence - "Ni shi shui?" (Who are you?).

On March 11, at 1145 UT, another Chinese language lesson, so the English lessons are permanently gone? (Ron Howard-CA-USA, via wwdxc BC-DX TopNews March 10)

{7200 kHz bcst originate from Pao Chung Taiwan bcst center. an IARU region / DARC club Bandwatch / German Bundesnetzagentur complaint to Taiwan Radiocom authority is under way, due of amateur radio frequency border 7200 kHz usage, wb.}

**TAIWAN / CHINA** - Taiwan Sound of Hope; and other subject of China mainland jamming.

SOH Taiwan B-20 Shortwave Frequency list of March 7, 2021, monitored by wb on 07 March, from 06.00 to 09.00 UT.

Also on log noted some other China CNR1 jamming broadcasts.

Log of March 7 checked some Asian target outlets on remote SDRs in Hiroshima, Akitakata, as well as at northern Tokyo Japan Far East.

CNR1 Beijing program compared during monitoring against web player

<<http://www.surfmusic.de/radio-station/cnr-1-voice-of-china,10555.html>>

10160.014 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=6, 08.52 UT.  
 10819.877 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=6, 08.51 UT.  
 10869.885 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=6-7, 08.50 UT.  
 10920.100 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=6, 08.49 UT.  
 10960even 2300-1400 CHN CNR1 Jammer. Mandarin, S=9+30dB powerhouse  
 at 08.49 UT on March 7. 20 kHz wide CNR1 audio block.  
 11069.965 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=6, 08.56 UT.  
 11100.119 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=6-7, 08.48 UT.  
 11120.115 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=6, 08.57 UT.  
 11149.909 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=7, 08.59 UT.  
 11170.093 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=6, 08.58 UT.  
 11200 - 11400 kHz OTHR signal wideband block, 08.45 UT on March 7.  
 11410even 2300-1400 CHN CNR1 Jammer. Mandarin, S=9+20dB at 08.43 UT on March 7.  
 20 kHz wide CNR1 audio block; and  
 11439.984 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=6, 08.41 UT.  
 11460.133 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=6-7, 08.39 UT.  
 11500.006 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=7, 08.23 UT.  
 11520even CHN CNR1 Jammer Mandarin, jamming start at 09.06 UT; and  
 11520.029 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=8, 08.22 UT.  
 11549.967 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=8, 08.21 UT.  
 11579.999 TWN SOH Xi Wang Zhi Shen. strong TX power RFA like, Mandarin.  
 S=9+10dB, at 08.39 and 09.04 UT check.  
 11600even CHN real mix with CNR2 Business Radio program, Mandarin,  
 S=9 at 08.38 UT on March 7. 20 kHz wide CNR audio block; and  
 11600.055 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=6-7, 08.39 UT.  
 11715even 2300-1400 CHN CNR1 Jammer. Mandarin, S=9 proper at 08.36 UT on March 7; and  
 11715.139 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin, at 08.37 UT.  
 11775even 2300-1400 CHN CNR1 Jammer. Mandarin, S=9+15dB proper at 08.34 UT on March 7; and  
 11774.867 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin, at 08.34 UT.  
 11975even 2300-1400 CHN CNR1 Jammer. Mandarin, S=9 at 08.32 UT on March 7 and some  
 undefined underneath.  
 12189.947 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=7-8, 08.20 UT.  
 12209.982 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=7, 08.19 UT.  
 12229.918 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=8-9, 08.18 UT.  
 12364.870 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=8-9, 08.17 UT.  
 12499.938 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=8-9, 08.16 UT.  
 12549.979 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=8-9, 08.15 UT.  
 12794.970 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=8, 08.14 UT.  
 12819.941 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. poor, 08.13 UT.  
 12835.039 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. poor, 08.12 UT.  
 12879.982 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=7-8, 08.11 UT.  
 13019.783 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=8, 08.10 UT.

13130.127 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=7, 08.08 UT.  
 13159.960 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=7, 08.05 UT.  
 13530.224 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=5, 08.03 UT.  
 13589.977 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=5, 08.01 UT.  
 13640even CHN CNR1 Jammer Mandarin, jamming end TX-out at 08.00 UT.  
 13680even CHN CNR1 Jammer Mandarin, S=8, at 07.59 UT on March 7.  
 13790.017 SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=5, 07.57 UT; and probably IRN weak 13790even in Arabic ?  
 13920.004 SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=5, 07.56 UT.  
 14900even 2300-1400 CHN CNR1 Jammer. Mandarin, S=5 poor at 07.54 UT on March 7; and  
 14900.043 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=5, 07.53 UT.  
 14920.019 2200-1500 TWN Sound of Hope Taipei Mandarin, poor 07.50 UT  
 14939.981 2200-1500 TWN Sound of Hope Taipei Mandarin, poor 07.48 UT  
 15295even CHN CNR1 mainland jamming noted at 07.46 UT on March 7. At S=6 level against  
 15295.010 TWN SOH Chinese co-channel. And Bubble! jamming heard also.

UNIDENTIFIED {see below: RFA Burmese from Saipan Mariana Isls}

15314.969 at 07.43 UT, some Hindi / SE Asian language ?  
 15340even 2300-1400 CHN CRI Jammer. Mandarin, S=9+10dB at 07.40 UT on March 7. CNR1 10 kHz wide audio block; and  
 15340.023 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=5, 07.41 UT.  
 15375.006 TWN Tentatively Fu Hsing BS program ?, S=6-7 at 07.38 UT.  
 15410even CHN CNR1 mainland jamming noted at 07.37 UT on March 7. At S=9+10dB level.  
 15740even 2300-1400 CHN CRI? Jammer. Mandarin, S=9+10dB at 07.36 UT on March 7. !CRI! ID heard, 10 kHz wide audio block; and  
 15739.992 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=5, 07.36 UT.  
 15760even 2300-1400 CHN CNR1 Jammer. Mandarin, S=9+10dB at 07.34 UT on March 7. 12 kHz wide CNR1 audio block; and  
 15759.971 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=5, 07.35 UT.  
 15775even 2130-1000 CHN CNR1 Jammer Mandarin, at 07.33 UT on March 7, S=9+25dB in Hiroshima-JPN, 10 kHz wideband audio block.  
 15800even 2300-1400 CHN CNR1 Jammer. Mandarin, S=9+20dB at 07.32 UT on March 7. 12 kHz wide CNR1 audio block; and  
 15800.168 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=5, 07.31 UT.  
 15869.771 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=5, 07.30 UT.  
 15940.313 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=9, 07.29 UT.  
 15969.900 2110-1630 TWN SOH Xi Wang Zhi Shen Chinese from Miaoli S=8 at 07.28 on March 7.  
 16100.022 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=4-5, 07.26 UT.  
 16160.092 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=8, 07.21 UT.  
 16249.731 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=7, 07.19 UT.  
 16299.823 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=9+15, 07.18 UT; and  
 16300.004 2300-1400 CHN CNR1 Jammer. Mandarin, S=9+20dB at 07.19 UT on March 7. 16 kHz wide CNR1 audio block.  
 16789.884 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=7, 07.16 UT.  
 16979.978 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=5, 06.59 UT.  
 17149.920 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=8-9, 07.14 UT.  
 17400.252 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=6, 07.12 UT.  
 17440.240 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=6-7, 07.10 UT.  
 18179.922 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=8-9, 06.55 UT.  
 18899.682 TWN SOH Xi Wang Zhi Shen Chi Miaoli 06.40 UT March 7. S=8 - 10 kHz wideband audio.  
 18970even 2200-1000 CHN CNR1 Jammer Mandarin, S=9 at 06.38 on March 7. Against  
 18969.991 kHz TWN SOH Mandarin.  
 21480even CHN CNR1 Jammer Urumqi? TDoA. S=9+5dB in Tokyo SDR remotely 11.4 kHz wideband audio block, at 06.35 on March 7.  
 21479.994 MRA/USA US AMG VoA Tinian Tibetan language underneath.  
 21800even CHN CNR1 Jammer. S=7-8 on March 7, 06.10 UT. Against  
 21799.766 kHz TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin.

[selected SDR options, span 12.5 kHz RBW 15.3 (wb df5sx, wwdxc BC-DX TopNews March 7)

**THAILAND** - 12140 kHz on Sat, Febr 27, at 0201-0211 UT, Ashna Radio, Udon-Thani-THA, in Dari. Woman and man announcers talk news, presumably; 0206 UT ID and news continues. Fair reception for this VOA service in Dari

12140 kHz on Sat, Feb 27, at 0250-0300 UT, Radio Liberty, Udon-Thani-THA, in Pashto. Man and woman announcers talk news; 0255 UT Man talks; 0257 UT Woman announcer in conversation with a man; 0300 Ends programming in

Pashto. Good reception. (Jose Ronaldo Xavier-BRA, hcdx Febr 27)

### **U.S.A.** - Saving the Voice of America Delano Relay DL-8. One Megawatt of Peak AM Power.

In 2007, the Voice of America ceased operations at the Delano Relay site in Central California. The site is destined to be bulldozed along with several relics of Collins Radio Company's Broadcast Communications Division.

The Collins Collectors Association, with assistance from the Antique Wireless Association, hatched a plan to retrieve one of the Collins 821A-1 250 kW Shortwave Transmitters from the site and place it on display for all to see. This presentation gives some history of VoA and the Delano site and follows the disassembly and relocation of Delano Relay DL-8.

Dennis Kidder, W6DQ, is a retired Aerospace Engineer, having spent nearly 45 years in System Engineering. His career spanned many fields - from building and operating large scale sound systems, computer systems used to publish newspapers and control communications satellites, 4 years as the Chief Telecom Engineer during the construction of the New Hong Kong International Airport, and finally, air defense radar systems and networked radio communications systems used by the military.

First licensed as WN6NIA then WA6NIA over 50 years ago, Dennis was granted the callsign of one of his High School Elmers, Chek Titcomb (SK), W6DQ. Amateur Radio has been a nearly life-long passion.

If you enjoyed this video [38:44], at [https://www.youtube.com/watch?v=zrSrdArng10&feature=emb\\_logo](https://www.youtube.com/watch?v=zrSrdArng10&feature=emb_logo)

consider becoming a member of the Antique Wireless Association. Subscribe to the Antique Wireless Museum channel and you'll receive news of our latest video uploads: <https://antiquewireless.org/homepage/>  
VOA Delano, as it was in its heyday.

Our thanks to Stephen G7VFY for the above information and Ray Crawford for sending the link from Southgate Amateur Radio News.

(via March New Zealand DX Times; direct and via WOR March 4)

WRMI-4 4980 kHz // WRMI-5 9455 kHz probably 24hrs, Febr 10/11:

#### WRMI-4

0100-0700	4980	RMI	LOW	kW	160	deg	to	LaAM	English	Supreme	Master	TV
0700-0800	4980	RMI	LOW	kW	160	deg	to	LaAM	Spanish	Family	Radio	
0800-1000	4980	RMI	LOW	kW	160	deg	to	LaAM	various	RAE	Argentina	
1000-1100	4980	RMI	LOW	kW	160	deg	to	LaAM	English	Supreme	Master	TV
1100-0100	4980	RMI	LOW	kW	160	deg	to	LaAM	English	Brother	Stair	TOM

#### WRMI-5

0100-0700	9455	RMI	100	kW	285	deg	to	MEXI	English	Supreme	Master	TV
0700-0800	9455	RMI	100	kW	285	deg	to	MEXI	Spanish	Family	Radio	
0800-1000	9455	RMI	100	kW	285	deg	to	MEXI	various	RAE	Argentina	
1000-1100	9455	RMI	100	kW	285	deg	to	MEXI	English	Supreme	Master	TV
1100-0100	9455	RMI	100	kW	285	deg	to	MEXI	English	Brother	Stair	TOM

(Ivo Ivanov-BUL, hcdx via wwdxc BC-DX TopNews Febr 11)

9330 even kHz, 300 kW new Continental/Ampegon beast, WBCQ German Hour WLC Program ? Ein S=9+30 oder -44 dBm powerhouse Signal, eine Seltenheit dieser Tage im deutschen Sprachangebot auf internationalen Kurzwellen, bei den vielen Mini-Senderchen. Um 19.22 UT on March 7, 19-20 UTC, Pastor sermon discussion, Sabbat Konzept, man muss das moegen.

[selected SDR options, span 12.5 kHz RBW 15.3 (wb df5sx, wwdxc BC-DX TopNews March 7)

**U.S.A. {TAIWAN NON}** - 5800 kHz RTI {via RMI relay site Okeechobee FL state}. Feb 17 - 0100-0129 UT. Noticias sobre el festival de primavera, promover cultura Taiwanesa en Estados Unidos y el idioma ingles en Taiwan, departamento de inmigracion, productora de lechuga, atracciones turisticas y pronostico del tiempo. Desde las 0111 UT, aviso de el programa "El Cartero". Y luego "Taiwan en 360 grados" con entrevista a un docente al respecto del sistema Taiwanes de educacion comparado con el de Estados Unidos. 0122 UT, programa dedicada a un musico Taiwanes. 0128 UT, fin de la emision con datos de la emisora. 45444 y desde las 0107 UT con 55454. (Claudio Galaz-IV-CHL, hcdx Febr 17)

**U.S.A. [KOREA Rep of - test for A-21 season]** - 11880 kHz, March 12 at 0059 UT, huge open carrier, S=9+10/20dB via Bonaire KiwiSDR, so quiet that I thought at first the tuner was muted. About 0059.7 UT a few notes of the Encompass IS so evidently routed via London; 0100 UT opening "KBS World Radio" pronounced in English, otherwise relay in Spanish. This was found by Ivo Ivanov as a new entry in HFCC B-20 for March 10-12 only as a test, but was heard yesterday until 0200 UT with a VG signal by JRX in Brasil who think it runs at least until March 28. Supposedly still on 9605 kHz via WHRI at same hour, I did not get around to checking. Other frequencies were registered via {US AGM bcast center in NC, wb.} Greenville but AFAIK never tried. We assume that KBS relay is due to switch from SC to NC, sometime. I understand it is on azimuth 164 from Grimesland.  
(gh, hcdx and WOR March 12)

Re: 11880 kHz. Test of KBS World Radio via US AGM Greenville NC ...

11880 kHz. Thursday, March 11, at 0146-0200 UT, KBS World Radio, from Greenville-NC-USA, in Spanish. Traditional south Korean old songs; 0155 UT. Woman announcer talks; 0159 UT IS; 0200 UT Ends programming. Very good reception for this new frequency test relay Greenville, period March 10 to 28, 2021 !  
(Jota Xavier-BRA, wor March 11)

Test of KBS World Radio via Greenville registered in B20 HFCC Database  
0100-0200 11880 GB 250 kW 176 deg to SAm Spanish Wed-Fr March 10-12  
Parallel freq 9605kHz HRI 250kW 167deg to SAm Spanish Daily WHRI Angel 2.  
(Ivo Ivanov-BUL, hcdx via wwdxc BC-DX Topnews March 11)

**UZBEKISTAN** - 'Pan American Broadcasting PAB' - Preparing for Jesus via different defective transmitter of RTTM Telekom Tashkent Febr 20:

1300-1400 5945 TAC 100 kW 66 deg to EaAS Japanese Sat, BAD AUDIO.  
Today Nippon no Kaze & Furusato no Kaze are with good audio and carrier

Nippon no Kaze

1300-1330 5895 TAC 100 kW 76 deg to SEAs Korean  
1500-1530 5945 TAC 100 kW 76 deg to SEAs Korean  
1530-1600 5945 TAC 100 kW 76 deg to SEAs Korean

Furusato no Kaze

1330-1400 5895 TAC 100 kW 76 deg to SEAs Japanese  
1430-1500 5895 TAC 100 kW 76 deg to SEAs Japanese  
1600-1630 5945 TAC 100 kW 76 deg to SEAs Japanese  
(Ivo Ivanov-BUL, hcdx via wwdxc BC-DX TopNews Febr 20)

Three clandestine broadcasts with GOOD audio and WITH carrier via NON defective transmitter of RTTM Telekom Tashkent, March 6

Voice of Martyrs

1200-1230 9929.9 TAC 100 kW 76 deg to SEAs Korean, instead 9930.5 kHz

Radio Free North Korea

1300-1400 7599.9 TAC 100 kW 76 deg to SEAs Korean, instead 7600.5 kHz

North Korea Reform Radio, please check later today\*

1430-1530 7549.9 TAC 100 kW 76 deg to SEAs Korean, instead 7590.5 kHz  
(Ivo Ivanov-BUL, hcdx via wwdxc BC-DX Topnews March 6)

7600.500 kHz exact Tashkent fq outlet at 13.36 UT. Similar poor signals today in Korea and Japan.

The only strong remote unit at Kiwi Net Novosibirsk remotely <http://nsk.proxy.kiwisdr.com:8073/> and display also like Hiroshima Perseus screen a very small KRE B U B B L E jamming unit, centered at 7599.875 kHz lower side flank. Despite Novosibirsk Kiwi rx around 7602 - 7604 kHz range is totally free of annoying Bubbler audio.

Maybe the +500 Hertz fq outlet of Tashkent Uzbekistan transmission are a very desired measure? to avoid the narrow bubbler the lower flank?

[selected SDR options, span 12.5 kHz RBW 15.3 Hertz in Japanese Perseus units]  
 (wb df5sx, wwdxc BC-DX TopNews March 5)

**VANUATU** - 3945 kHz Radio Vanuatu, 1046-1104:30\* UT, Febr 15. Religious (Christian) songs, many in English; 1103 UT ID and National Anthem; cut off just at the end of the NA; so no longer with many minutes of dead air after the NA.

7890 kHz (2nd harmonic) R Vanuatu, 0711-0805 UT on Febr 14 (Sunday). The best reception ever heard on this frequency; religious songs; 0727 UT, interesting PSA in Bislama from the National Disaster Management Office, regarding preparedness for cyclones (their website

<<https://ndmo.gov.vu/community/cyclone-awareness>>

explaining the meaning of the different colored warnings (blue, yellow and red); told to check SMS messages, radio, TV and Internet for cyclone info, etc.; fairly understandable, as many words were in English. Both 3945 & 11835 kHz also heard, but not nearly as well.

(Ron Howard-CA-USA, via wwdxc BC-DX TopNews Febr 15)

Vanuatu back on 3945 kHz and both harmonics (7890 and 11835 kHz) from KFS Half Moon Bay SDR at 0855 UT tune - with some type of utility QRM on 7890 kHz (this was the best audio lvl however). All three freqs were weak with a wandering het on 3945 kHz 11835 kHz with barely audible signal but there is a trace on the waterfall. From NZ SDR hrd what sounded like local news and announcements at 0905 UT - from here signal was quite good, as expected. (Bruce W. Churchill-CA-USA, hcdx & wor March 11)

**VATICAN STATE {TERRITORIAL AREA}** - (5875 kHz, wb.) at 0535 UT on Febr 9; BBC; "News Day BBC World Service" English news. SIO=353- fady (Frodge-MI)

... On what frequency did you hear the BBC being relayed by theVatican? (Ray Robinson, WOR)

Maybe 5875 kHz ? - see Perseus Userlist B-20 season (BBC, Eng):

3915	2200-2400	SNG	BBC Eng Kranji	1-7
5845	0000-0100	ARM	BBC Eng Yerevan-Gavar	1-7

>>> 5875 0500-0600 CVA BBC Eng Santa Maria di Galeria 1-7

5960	2200-2300	OMA	BBC Eng Al Seela	1-7
5970	0000-0100	OMA	BBC Eng Al Seela	1-7
6005	0500-0700	ASC	BBC Eng Ascension	1-7
6150	2200-2300	PHL	BBC Eng Tinang	1-7
6195	0300-0400	OMA	BBC Eng Al Seela	1-7
6195	0500-0600	ASC	BBC Eng Ascension	1-7
6195	1000-1200	SNG	BBC Eng Kranji	1-7
6195	1000-1200	SNG	BBC Eng Kranji	1-7
6195	1700-1900	OMA	BBC Eng Al Seela	1-7
6195	2200-2400	SNG	BBC Eng Kranji	1-7
6195	2200-2400	SNG	BBC Eng Kranji	1-7
7285	0300-0400	OMA	BBC Eng Al Seela	1-7
7285	0400-0500	OMA	BBC Eng Al Seela	1-7
7325	0600-0700	G	BBC Eng Woofferton	1-7
7325	0700-0800	STP	BBC Eng Pinheira	1-7
7445	0600-0700	ASC	BBC Eng Ascension	1-7
9410	0700-0800	STP	BBC Eng Pinheira	1-7
9410	1300-1400	OMA	BBC Eng Al Seela	1-7
9410	1500-1600	OMA	BBC Eng Al Seela	1-7
9410	1800-2000	UAE	BBC Eng Al-Dhabbiya	1-7
9580	1000-1200	SNG	BBC Eng Kranji	1-7
9580	1000-1200	SNG	BBC Eng Kranji	1-7
9915	0400-0500	MDG	BBC Eng Talata-Volo	1-7
9915	0700-0800	ASC	BBC Eng Ascension	1-7
9915	1800-1900	G	BBC Eng Woofferton	1-7
11810	1800-1900	ASC	BBC Eng Ascension	1-7

11810	1900-2100	G	BBC Eng	Woofferton	1-7
11810	2100-2200	ASC	BBC Eng	Ascension	23456 Mon-Fri
11825	2300-2400	PHL	BBC Eng	Tinang	1-7
11850	1200-1300	SNG	BBC Eng	Kranji	1-7
11945	1000-1100	SNG	BBC Eng	Kranji	1-7
11945	1100-1200	SNG	BBC Eng	Kranji	1-7
12065	1200-1300	OMA	BBC Eng	Al Seela	1-7
12065	1300-1400	SNG	BBC Eng	Kranji	1-7
12065	1600-1700	UAE	BBC Eng	Al-Dhabbiya	1-7
12095	1900-2100	ASC	BBC Eng	Ascension	1-7
12095	2100-2200	ASC	BBC Eng	Ascension	23456 Mon-Fri
13860	0500-0600	UAE	BBC Eng	Al-Dhabbiya	1-7
13860	0600-0800	MDG	BBC Eng	Talata-Volo	1-7
17830	1600-1800	ASC	BBC Eng	Ascension	1-7

**VIETNAM** - 12018.644 kHz Voice of Vietnam in English from Son Tay bcst center, 13.30-14.00 UT, S=9+10dB monitored at Colombo Piliyandala-CLN Perseus SDR unit.

9839.766 kHz VoVietnam Hanoi Indonesian foreign sce from Son Tay site; at 13.03 and 13.15 UT, S=9+5dB monitored at Colombo Piliyandala-CLN Perseus SDR unit.  
(wb df5sx, wwdxc BC-DX TopNews Febr 27)

9634.960 Voice of Vietnam 1st domestic sce from Hanoi Son Tay site scheduled 21.45-18.00 UT, S=8 in Colombo CLN at 00.39 UT; in Piliyandala Sri Lanka South Asia remotely.

[selected SDR options, span 12.5 kHz RBW 15.3 (wb df5sx, wwdxc BC-DX TopNews March 7)

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**Editor's info desk was closed for this edition at 11:12 h UTC on March 14, 2021.**

**Sorry, only bits of reliable scheds in A21 - but see DX Magazine in April, 2021!**

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

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**Sources & Contributors:**

**A-DX** - e-mail exchange - Austria  
**BCDX** - News Bulletin by Wolfgang Bueschel (wb) - Stuttgart - Germany.  
**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), Kil - 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

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### 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.

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## VATICAN STATE - Vatican Radio webradio {also German} / Vatican News

<[https://www.vaticannews.va/de/vatikan/news/2021-02/90-jahre-radio-vatikan-jahrestag-ruffini-menichetti-webradio-www.html?utm\\_source=newsletter&utm\\_medium=email&utm\\_campaign=NewsletterVN-DE](https://www.vaticannews.va/de/vatikan/news/2021-02/90-jahre-radio-vatikan-jahrestag-ruffini-menichetti-webradio-www.html?utm_source=newsletter&utm_medium=email&utm_campaign=NewsletterVN-DE)>

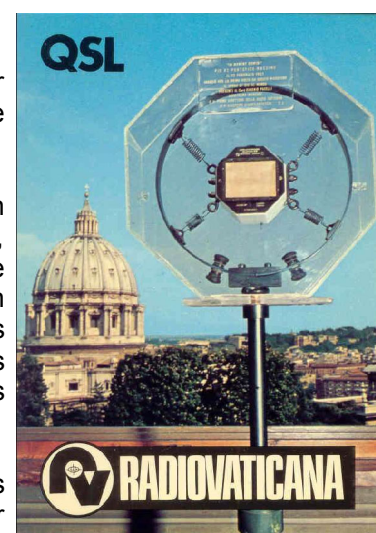
Radio Vatikan wurde im Februar 90 Jahre alt.

Die Radiostation, entworfen und erbaut vom Radio-Pionier und Nobelpreisträger Guglielmo Marconi, im Auftrag von Papst Pius XI, startet zum Geburtstag eine neue Website und ein Webradio - auch auf Deutsch.

Kopfkino sei heute noch beliebt. "Das Radio hat es nicht eilig. Es fragt nach Aufmerksamkeit. Heute wird Radio Vatikan auch in die Zukunft gerichtet sein, während es seine Originalität und Identität bewahrt", erläutert der vatikanische Kommunikationschef. "Was wir feiern", sagt Ruffini, "ist eine Geschichte, die durch praktisch das gesamte 20. Jahrhundert geht; die dem Faschismus und Kommunismus trotzte; die den Zweiten Weltkrieg und den Kalten Krieg überstanden haben; und es ist die Aussicht auf eine missionarische Zukunft, die sich auf die sanfte Kraft des gesprochenen und gehöreten Wortes beruft."

Radio Vatikan sei auch die starke Wurzel, aus welcher der Baum des Internetportals "Vatican News" wachse, formulierte Ruffini. Die Internetseite, die die Entwicklung der Kirche und des Lehramtes des Papstes in 43 Sprachen und die im Jahr 2020 weltweit 250 Millionen gelesene Seiten vorzuweisen hat, werde ständig ausgebaut. Dazu zähle das in diesen Tagen entstehende Projekt des Webradios von Radio Vatikan. "Das wird es fast jedem auf der Welt ermöglichen, vom Smartphone oder Computer aus Radio Vatikan in der eigenen Sprache zu hören", so Ruffini.

Jede Sprache werde ein eigenes Radio haben, mit einem eigenen Programm und viel Musik. Das sei ein weiterer kleiner Schritt auf dem Weg in die Zukunft des Dikasteriums für Kommunikation, das in diesen Wochen gleich mehrere Jubiläen gefeiert hat und begehen wird: 25 Jahre der Website vatican.va im Dezember 2020; 160 Jahre Vatikanzeitung



Vatican Radio QSL (1979): The microphone used by Pope Pius XI in inaugurating the Vatican Radio station on February 12th, 1931

"L'Osservatore Romano" und die 90 Jahren des Radiosenders. "Wir wollen gemeinsam die Zukunft betrachten und gestalten", hob der Praefekt hervor.

Radio Vatikan spricht 41 Sprachen: Albanisch, Amharisch, Arabisch, Armenisch, Weissrussisch, Brasilianisch, Bulgarisch, Tschechisch, Chinesisch, Kroatisch, Ewondo, Esperanto, Franzoesisch, Hindi, Englisch, Italienisch, Kikongo, Kinyarwanda, Kirundi, Kiswahili, Latein, Lettisch, Lingala, Litauisch, Malayalam, Malagasy, Polnisch, Portugiesisch, Rumaenisch, Russisch, Slowakisch, Slowenisch, Somali, Spanisch, Tamil, Deutsch, Tigrinya, Tshiluba, Ukrainisch, Ungarisch und Vietnamesisch. [...]

Wir feiern den 90. Geburtstag waehrend einer der groessten Pruefungen fuer die gesamte Menschheit wegen der Covid-Pandemie.

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The Holy See's radio station, commissioned by Pope Pius XI and designed and built by Guglielmo Marconi, turns 90 years old, and now speaks in 41 languages.

The Director of Vatican Radio says this anniversary is being celebrated by inaugurating a new internet page and adding a web radio station.

Almost 12,000 hours of broadcasts in a single year, including radio commentaries, as well as news, liturgical and musical programmes. This is the identity of Vatican Radio, the radio station of the Holy See, established by Pope Pius XI, who entrusted it to the Society of Jesus, and which was built by Guglielmo Marconi ninety years ago. Today we broadcast in 41 languages and every day we bring the words of the Gospel and the voice of the Pope to the whole world. [...]

We have experienced the digital revolution, followed by satellite broadcasting, and continuous challenges up to the pandemic we are living through today, always in order to be close to all those who seek and desire to listen.

<<https://www.vaticannews.va/en/vatican-city/news/2021-02/vatican-radio-turns-90-carrying-the-pope-s-voice-to-the-world.html>>

(Vatican News, Febr 9, 2021; via Paul Gager-AUT direct and/or Mike Terry-UK at BrDXC groups.io)

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## PUBLICATIONS

Der neue Sonnenfleckenzyklus (#25) hat längst begonnen. Wir wissen nicht, was er bringen wird. Ein Blick in den Rückspiegel zeigt jedoch, was grundsätzlich zu erwarten ist. Hierfür stehen Millionen von Ionosphären Daten kostenlos für Jedermann zur Verfügung.

Nils Schiffhauer, DK8OK, hat die viertelstündlich bzw. jede fünf Minuten erhobenen Daten der Ionosonde Juliusruh/Rügen der Jahre 2009 bis 2020 mithilfe der explorativen Datenanalyse untersucht und in leicht verständlichen Diagrammen visualisiert. Dadurch wird die Abhängigkeit der höchsten nutzbaren Frequenz MUF von der Sonnenaktivität ebenso sichtbar, wie Tages- und Jahresgang der MUF. Das Material beantwortet Fragen wie: "In welchem Maße unterscheiden sich die Bedingungen des heutigen Tages vom morgigen Tag?" und "Ist ein Mehr an Sonnenflecken immer nur gut für die HF-Ausbreitung?". Zudem wurden stündlich zwischen 1980 und 1993 auf jeweils sechs Kurzwellenfrequenzen von 22,5 MHz bis 4,3 MHz für die Strecke New York -> Norddeutschland erhobenen Feldstärkedaten in einen Zusammenhang mit der Sonnenaktivität gebracht. Das zeigt ihren je nach Frequenz unterschiedlichen Einfluss über fast die gesamte Kurzwelle.

Dieser innovative Ansatz bietet für Funkamateure und Kurzwellenhörer einen faszinierenden Einblick in den Zusammenhang von Sonnenaktivität und Ausbreitung.

The publication ist written in English, please see:

<<https://dk8ok.org/2021/03/11/propagation-and-muf-some-notes/>>

"We all know that propagation largely follows solar activity – on a diurnal scale, as well as along the seasons and, above all, the solar cycle – see diagram at the top of the page. We just had entered solar cycle #25, and again some uncharted waters, filled with high hopes as well as some shallows. This is a good opportunity to have a look into the rear view mirror, as in general terms we can see part of the future in the past. ... " (Editor Nils Schiffhauer)

(via a-dx Forum, Austria)



# 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.
7315.0	0930	222	USA	WINB	English	Home for God	2901	MF
7570.0	1100	211	USA	Supreme Master via WRMI	English	Jesus is our Master	2901	MF
9330.0	1420	322	USA	WBCQ	English	Jesus was married	2901	MF
11925.0	1410	322	UAE	Radio Japan	English	ME-Car Factory	2901	MF
12020.0	1030	222	VTN	Voice of Vietnam	English	Vietnam Agriculture	2901	MF
12085.0	1040	221	MNG	Voice of Mongolia	English	Not a rocket base	2901	MF
13845.0	1400	222	USA	WWCR	English	Home for Jesus	2901	MF
15530.0	0700	322	KWT	Radio Kuwait	English	Oil is our gold	2901	MF
15555.0	2010	322	USA	WJHR	English	Jesus is our life	2701	MF

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

- 5800.0 USA WRMI- Okeechobee, 0159-0300 Feb 27, WRMI station identification noted before commencement of David Goren and The Shortwave Shindig in Exile at the annual (virtual) Winter SWL Festival. Good signal but excellent signal on //7780.
- 5930.0 AUSTRIA BBC – Moosbrunn, 0102-0135 Mar 7, man announcer talking in the listed Pashto language. After a brief segment of instrumental music, there appeared to be some sort of drama program. Later talks by several people followed by station ID and contact information at 0128. Fair.
- 5960.0 TURKEY Voice of Turkey – Emirler, 2306 2322 Feb 17, a male announcer reading the news in the English language. Brief instrumental music followed by “The Voice of Turkey presents the Foreign Press” announcement. Later nice Turkish vocal selections. Fair signal.
- 6070.0 CANADA CFRX – Toronto, 2103-2122 Feb 13, man announcer with news in English followed by a woman with the latest weather. Several station IDs (“News Talk 10-10”) along with ads and more news items. Fair to good.
- 6160.0 USA WBCQ – Monticello, 2303-0102 Feb 26, Larry Will hosting the annual Free Radio Forum at the Winter SWL Festival with a slight delay in audio noted. Poor to fair reception.
- 6185.0 AUSTRIA Radio Japan / NHK World – Moosbrunn, 0441-0453 Feb 18, man announcer with the weather forecast for Japan in the English language service. Instrumental music followed by a woman announcer with station ID and a re-broadcast of Side by Side with Japanese people helping to restore Indonesian community radio stations. Fair to good.
- 7590.0 MOLDOVA Trans World Radio India – Grigoriopol, 0047-0059\* Mar 7, man announcer with religious talk in the listed Dzonka language. String instrumental music followed by a woman announcer with contact information. Closed with brief vocal selection and TWR IS. Poor in noisy conditions.
- 9760.0 CLANDESTINE Dimtse Weyane International – Issoudun, \*0400-0458\* Feb 14, flute music opening to a man announcer with opening in presumed Tigrinya language. A woman followed with apparent news program. Some short Horn of Africa music segments between talk features. A handful of vocal selections during the latter portion of the transmission. Poor.
- 9975.0 USA KVOH – Ranco Simi, 0031-0122 Feb 11, Spanish language religious programming with station ID “Este es Radio Voz de Esperanza”) followed by a vocal selection and a long religious talk. Re-tuned later with English language programming and frequency announcement for “9975 kHz”. Fair.
- 11769.9 NIGERIA Voice of Nigeria – Abuja, 1735-1813 Feb 18, man and woman announcers with English language talk. A woman interviewed a man, Nice station ID at 1800 Left program to return at 18509 to hear sports report. Into French language program at 1900. Fair although audio seemed somewhat muffled.

- 11965.0 MADAGASCAR African Pathways Radio – Mahajanga, 2043-2059\* Feb 20, man announcer with English language talk offering free Bible courses, station ID for African Pathways followed by Lessons in Humility. Closed with station ID and mailing address in Zimbabwe. Good signal.
- 11995.0 FRANCE Radio France International – Issoudun, 1902-1959\* Mar 2, man announcer with the news on the French language followed by current events programming. Fair to good signal with deep fades.
- 15160.0 CLANDESTINE Dimtse Tigray (Tigray Media House) – Issoudun, 1553-1559\* Feb 25, Horn of Africa vocals followed by a man and woman announcer with closing announcements in presumed Tigrinya language before silence ended program. Fair with no jamming noted today.
- 15160.0 CLANDESTINE Dimtse Woyane – Issoudun, \*1600-1617 Feb 25, instrumental musical notes followed by a man announcer with presumed Tirinya language announcements. A man and woman began alternating apparent news items. Fair but deteriorating as jamming picked up and some deep fades.
- 15160.0 CLANDESTINE Dimtse Weyane International – Issoudun, 1639-1658\* Feb 13, man announcer with ling talk in the presumed Tigrinya language. Nice Horn of Africa instrumental music just before the carrier was terminated. Fair with deep fades.
- 15340.0 CLANDESTINE Voice of the Dawn of Tigray (Dimtse Wegahta Tograys) – Issoudun, 1739-1758\* Feb 20, several male speakers in a long discussion in the presumed Tigrinya language. Horn of Africa instrumental music before carrier was terminated. Fair with slight jamming noted.

### Here are the loggings from Rudolf Grimm, São Bernardo, SP, Brazil:

- 171.0 MOROCCO: Radio Medi 1, Nador, Arabic, 09/02 0018. Male voice communication in Arabic language. 25442.
- 198.0 UK: BBC Radio 4 (pres.), Droitwich, English, 09/02 0032. Talk by two male voices. 15321. Excellent carrier!!!
- 234.0 LUXEMBOURG: RTL (pres.), Beidweiler, French, 09/02 0040. Talk by male and female communication, pop song. 15321.
- 684.0 SPAIN: Radio Nacional de España, Sevilla, Spanish, 10/02 0105. News Bulletin, mention to 'España', time checking in Canary Island. 25422.
- 730.0 PARAGUAY: ABC Radio Cardinal, 05/02 0021. Woman voice speaking, Paraguayan songs, 'ABC Radio Cardinal...'. 34543.
- 840.0 ARGENTINA: Radio Nacional General Madariaga, Paso de los Libres, Spanish, 14/02 0215. Sport programming, 'el fútbol argentino... Nacional'. YL with advs. 12431. \*\* Strong QRM from 840 kHz Radio Bandeirantes São Paulo... I presume this is the same national sport transmission presented on 1310 kHz.
- 890.0 URUGUAY: Radio Sport 890, Montevideo, Spanish, 14/02 0032. Sport News, soccer, 'Uruguay...', talk by male voice. 23542. \*\* QRM 890 kHz Radio Deus é Amor, Florianópolis.
- 910.0 ARGENTINA: Radio La Red, Buenos Aires, Spanish, 14/02 0108. Sport News, 'San Lorenzo, River...'. 24542.
- 950.0 ARGENTINA: CNN Radio Argentina, Buenos Aires, SS, 07/02 0212. News Bulletin, 'CNN'. 34543.
- 1080.0 PARAGUAY: Radio Monumental, Asunción, Spanish, 14/02 0445. Paraguayan songs sequence, 'flore Monumental, por 1080 AM'. 35543.
- 1090.0 URUGUAY: Radio Maria, Montevideo, Spanish, 14/02 0505. Instrumental music, female voice: '... por Radio Maria Uruguay...'. 34543.
- 1100.0 ARGENTINA: Radio Mitre, Corrientes (pres.), Spanish, 14/02 0301. Argentinian style song, male communication, 'Mitre'. 12431 (RG).
- 1100.0 CHILE: BBN Radio, via Viña del Mar, Spanish, 09/02 0100. News Bulletin, id 'BBN', Christian programming, Bible reading. 25542.
- 1110.0 ARGENTINA: Radio de la Ciudad, Buenos Aires, Spanish, 14/02 0404. Male voice 'poesia... por Ciudad, la adio publica...'. 35553.
- 1280.0 URUGUAY: Radio Tacuarembó, Tacuarembó, Spanish, 14/02 0131. Time checking, 'Tacuarembó', local advs. 35443.
- 1310.0 ARGENTINA: Radio Nacional, Gualeguaychu, Spanish, 14/02 0137. Sport News 'Nacional', local advs by YL. 35443
- 1467.0 FRANCE: TWR Europe, via Roumoules, unid language, 06/02 2215. Talk by male speaker, a Christian song, prayer. 13431.
- 1480.0 PARAGUAY: Radio America, Asunción, Spanish, 14/02 0455. Christian programming, preaching. 24542. Preacher: Pastor Jose Holovaty (ex-KGEI, on the 80's).
- 3915.0 SINGAPORE: BBC, via Kranji, English, 21/02 2303. News Bulletin by male voice speaker, 'This is the BBC...'. 35553.
- 5050.0 CHINA: Voice of Beibu Bay Radio, Nanning, Chinese, 21/02 2314. Talk by male voice communication in Chinese language. 35443.
- 5950.0 FRANCE: KBS World Radio, via Issoudun, French, 09/02 2040. Talk by female voice, instrumental music. 35543.
- 5970.0 TURKEY: Voice of Turkey, Ermirler, French, 09/02 2045. Turkish songs, female speaker. 35543.
- 5980.0 TURKEY: Voice of Turkey, Emirler, Turkish, 09/02 2050. Turkish songs, male speaker. 25532.
- 5995.0 MALI: Radio Mali, Bamako, Arabic, 09/02 2058. Male communication, time pips and time checking on 2100, News Bulletin 'Africa...'. 25552.
- 6040.0 FRANCE: Radio Algerienne Chaîne 1, via Issoudun, Arabic, 09/02 2105. Male communication in Arabic language to Africa. 35553.
- 6080.0 BRAZIL: Radio Marumby, Curitiba PR, 07/02 1555. Christian song, Prayer, id 'ZYJ208 AM 730 kHz, Radio Marumby, a emissora da paz, a comunicação a serviço de Deus'. 35553.
- 7510.0 ROMANIA: Radio Romania International, Tiganesti, English, 09/02 2132. News by female voice, 'Romania...'. 35443.
- 7540.0 UZBEKISTAN: Voice of Martyrs, via Tashkent, Korean, 09/02 2120. Talk by female voice, instrumental Korean music, id by male voice, sign-off on 2130. 25552.
- 7580.0 NORTH KOREA: Voice of Korea, Kujang, Japanese, 09/02 2112. Talk by male voice in Japanese language. 35553.
- 11610.0 GUAM: KSDA Adventist World Radio, via Agat, Vietnamese, 21/02 2240. Christian message by male voice, prayer. 35553.
- 11780.0 BRAZIL: Radio Nacional da Amazonia, Brasília DF, 07/02 1600. Songs in Portuguese, id 'Radio Nacional do Brasil, 980 kHz, Radio Nacional da Amazonia, 11780 kHz, Nacional FM 96,1 MHz..., Radio Nacional Alto Solimões, 670 kHz, emissoras de rádio da EBC, Empresa Brasileira de Comunicação'. 45554.
- 11815.0 BRAZIL: Radio Brasil Central, Goiania GO, 07/02 1605. 'Radio Brasil Central... sucessos'. Pop songs. 35553.

11895.0 BRAZIL: Super Rede Boa Vontade, Porto Alegre RS, 07/02 1610. 'LBV'. Song by children. 45554.  
 11910.0 (DRM) BRAZIL: Radio Nacional FM, 96.1 MHz, Brasilia (via Radio Nacional da Amazonia, SW facilities), 21/02 2255. Jazz music, international pop songs, id: 'ZYT461, Radio Nacional FM, 96.1 MHz, Brasilia'. 45554.  
 11930.0 USA: Radio Marti, Greenville, Spanish, 07/02 1540. Talk by male voice, politic situation in Cuba. 35433.  
 11940.0 SPAIN: Radio Exterior de España, Noblejas, Spanish, 07/02 1615. Sport show, by male voice. 35543.  
 12050.0 USA: WEWN, Vandiver, Spanish, 07/02 1545. Catholic programming. 35433.  
 13820.0 USA: Radio Marti, Greenville, Spanish, 09/02 1530. Male communication, about life in Cuba. Comment by female voice. 25542.  
 15215.0 FRANCE: Radio Öömrang, via Issoudun, English / German, 21/02 1632. Id: 'Radio Öömrang'. Interview, phone-in, id in German and English. 35543. \*\* Radio Öömrang is broadcast just on February 21, a major North Frisian holiday.  
 15450.0 PHILIPPINES: Voice of America, via Tinang, Burmese, 09/02 1527. Male voice communication, interview, instrumental music. 25542.  
 17615.0 SAUDI ARABIA: Radio Saudi, Riyadh, Arabic, 09/02 1522, Male communication, song. 35543.  
 17630.0 MALI: China Radio International, via Bamako, English, 09/02 1517. Male and female communication, 'China cooperation...'. 35553.  
 17720.0 TURKEY: Voice of Turkey, Emirler, Arabic, 09/02 1510. Female communication 'Turkya...', song. 35553.

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### Thanks a lot to our club members for their contributions:

MF : Michael Frese, Osnabrueck, Germany. Grundig Yachtboy with telescopic aerial  
 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, São Bernardo, SP, Brazil. Icom IC-R8500 + AOR LA400 Indoor Loop & Sony ICF2001D + RGP3 Indoor Ferrite Loop Antenna.

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Dear Friends,

Welcome to the March edition of 2021.

We have a shorter Logbook this time. After a long time time it is nice to hear from Michael Frese.

Thanks to our regular contributors for this Logbook,

*Ashok Kumar Bose*

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	<h2>QSL CORNER</h2> <p>Editor: Dario Gabrielli, Viale della Resistenza 33b, 30031 Dolo (Ve), ITALY          eMail: &lt;qsl@wwdxc.de&gt;</p>	
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**Australia:** Reach Beyond 11825 kHz. QSL letter received in 29 days for report sent to: <b17@reachbeyond.org.au> (PG)

**Austria:** SM Radio Dessau 6070 kHz, QSL received in 7 days for report sent to Max Berger, Naumburgerstrasse 49, 04229 Leipzig, Germany. I enclosed mint German stamps. (PG)

Welle370 5960 kHz. QSL received in 33 days for report sent to Welle370, Funkerberg 20/Senderhaus 1, 15711 Koenigs Wusterhausen, Germany. I enclosed mint German stamps. (PG)

**France:** Radio Face de Blatte 5995 kHz. English programme. e-QSL #2 in .jpg format received in 6 days for report in English and a short .mp3 recording sent to <radio.rfb@gmail.com>. (TC)



**Germany:** NDR 6145 kHz via Media Broadcast Nauen and other frequencies from other sites, "Gruß an Bord" special Christmas eve broadcast in German, full data colour post card (same image as 2019). Received in 11 days (2 days postal delivery) for a delayed report in German sent on 15 February to <technik@ndr.de>. Official address on the card: Norddeutscher Rundfunk, Technische Teilnehmerberatung, Hugh-Greene-Weg 1, D-22529 Hamburg, <http://www.ndr.de/technik>. (HB)

Radio37 Danmark via Channel 292 Rohrbach 6070 kHz,/ QSL Letter DIN A 4 format/received in 26 days for report sent to: Radio37 Skolevejen 3, Poulsker, 3730 Nexø, Denmark. (PG)

Radio Praha International 6005 kHz via Kall- Krekel, German programme. QSL received in 30 days for report sent to RPI Vinohradska 12, 120 99 Praha 2, Czech Republic. (PG)

Radio Slowakei International 6005 kHz via Kall-Krekel, German programme. QSL received in 17 days for report sent to RSI, Mlynska dolina, 845 45 Bratislava, Slovakia. (PG)

Welle370 60670 kHz via Channel 292 Rohrbach, QSL received in 42 days for report sent to: welle370, Funkenberg 20, Senderhaus 1, 15711 Koenigs Wuesterhausen, Germany. I enclosed mint German stamps. (PG)

**India:** AIR All India Radio 9445 kHz. QSL received in 485 days for report sent to: <spectrum-manager@air.org.in> (PG)

**Netherlands:** Radio Classic Sunday 3920 kHz via Piepzender, music programme/DJ Mart Walther in Dutch. General colour jpg as e-QSL for February 2021. Received on the same day for reception report via contact form <https://www.radioclassicsunday.com/luisterrapport-listening-report-horbericht/>. This form helps you preparing the report because it cannot be submitted if anything is missing. (HB)

**Taiwan:** Radio Taiwan International 5900 kHz via Kostinbrod (Bulgaria). German programme. Full data colour QSL in English (2021-01 Daxi Old Street) received in 23 days (13 days for air mail delivery) for e-mail report to <deutsch@rti.org.tw> (HB)

**UK:** Image Radio 6375/6325 kHz. English programme. e-QSL in .png format received in 2 hours for report in English on transmitter test in and a short .mp3 recording and waterfall screenshot sent to <imageradiouk@gmail.com> (TC)

**USA:** WRMI 5800 kHz, FL Shortwave Shindig, 34th Annual v/s David Goren e QSL received in same afternoon Feb 28, 2021, card show date 2/27/21 and time f/d e-QSL sent to <shortwaveology@gmail.com> (RL)



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The reporters of this edition of QSL CORNER have been:

- BS** = Bernd Seiser, Ottenau, Germany
- HB** = Hansjoerg Biener, Nuremberg, Germany
- KH** = Kenji Hashimoto, Yokohama City, Japan
- PG** = Paul Gager, Vienna, Austria
- RL** = Richard Lemke, St. Albert, Alberta, Canada

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It is with great pleasure that this month again I was able to insert this page in the magazine and I thank very much the collaborators who participated and whom I thank hoping that you have started the year in excellent health.

Please remember that the next deadline for your contributions is on **9 April 2021 at 23:00 UTC.** *Dario*



## Myanma Radio in Burma (Myanmar) Celebrates 75 Years

Radio Myanmar in Burma, or Myanmar as the country is known these days, has celebrated its 75th Anniversary day on February 15, 2021. It was back on February 15, 1946, that the radio broadcasting service in Rangoon Burma was restarted following the ravages of the Asian-Pacific War in the middle of last century. We are grateful to Jose Jacob VU2JOS in Hyderabad India in alerting us to this important radio anniversary in Burma.

Let's go back to the very beginning as we trace the progressive developments in the wireless/radio scene in Burma/Myanmar. In fact, the very first wireless communication stations in Burma were installed under the British administration in India well over one hundred years ago.

Burma/Myanmar with its 55 million people is the largest of the six mainland countries of South East Asia, and it stretches for 1,300 miles north-south. The northern section is approximately diamond shaped, 500 miles across; and the southern section is just long and narrow, and maybe 30 miles wide. The erstwhile capital city, Rangoon, or Yangon as it is known today, lies at the mouth of the Irrawaddy River, near the junction area of the larger and smaller geographic sections of Burma.

A new capital city, planned and constructed, is located in almost the center of the northern geographic section of Myanmar; it is known as Naypyidaw; and it was established in 2006. This new capital city is some 300 miles due north of the original capital city Rangoon-Yangon.

Asian peoples migrated into Burma from the north around three and four thousand years ago, and these days there are more than one hundred tribal and language groups throughout the country. The women in the sub-tribe of the Kayan people are noted for the wearing of a multitude of brass rings around the neck; and the men who catch fish on Lake Inle are noted for their leg-rowing technique while standing upright on their small boats.

British colonial influence from India began in Burma in 1824, and the territory was annexed by Great Britain more than half a century later. The British administration of Burma was separated from India in 1937; and five years later, in August 1942, Japanese forces invaded and established a military administration.

Three years later again, in July 1945, British forces (together with American and Australian participation) again took over the Burma territory. Then on January 4, 1948 Burma gained independence. The name change, from Burma to Myanmar and from Rangoon to Yangon, took place 41 years later on June 18, 1989.

One of the major tourist attractions in Myanmar is the thousand year old royal city of Pagan with its extensive ruins spread over 26 square miles, together with the 13,000 large and small temples. Pagan is located 300 miles north of Rangoon, and rather close to Mandalay.

Another major tourist attraction in old Burma is the double row of stone panels that are housed in an ornate double colonnade, also near to Mandalay. Each stone panel stands about 5 feet tall, and each is about 5 inches thick. Row upon row of inscriptions in the Burmese circular script were incised into each side of each panel, and the full set of 729 stone panels contains the entire official text of the Buddhist religion.

For those who enjoy ecotourism, a visit to several of the 800 islands that stretch from the Myanmar mainland out into the Andaman Sea is indeed a visit to Asia's last untouched and pristine wonderland, states the tourist brochure. Modern accommodations and amenities are sparse, but the natural beauty is idyllic.

Communication wireless came to Burma very early; in fact, back at that time, experimental Marconi wireless in Europe was less than 10 years old. During the year 1904, a whole network of primitive Morse Code wireless stations was installed throughout India, including Burma, which was administered during that era by the British Raj in India.

It is known that five wireless stations were installed in various areas of Burma in that pre World War 1 era. Those stations in Burma communicated with each other, and with similar stations in Calcutta India and with Port Blair in the Andaman Islands, sometimes direct and sometimes in a cascade relay when propagation conditions were bad.

Three letter callsigns for these stations began with the two letters RO, and we take a brief look at each of the 5 original stations in alphabetic order, beginning in 1904.

Morse Code wireless station ROB was installed at Bassein, a regional city of a quarter million people located 120 miles west of Rangoon. Bassein is famous for the manufacture of colorful Parasol sun shades that are sold throughout Burma. Wireless station ROB communicated with Diamond Island ROD and Port Blair ROP in the Andaman Islands.

In the Burmese language, the name for Diamond Island means Beautiful Daughter Island. In 1801, the British merchant ship Mermaid was wrecked on a nearby rock; and during the Asia-Pacific War in January 1942, the river steamer Yengyua rescued the British radio operators who were serving at the wireless station. The original callsign for this wireless station was ROD.

The Mergui Archipelago in the Andaman sea off the southern coast of Burma is made up of more than 800 islands, most of which have never been thoroughly explored nor charted. Most of the local people are known as Moken, SeaGypsies, who live off the sea, and move among the islands. On one of the Mergui Islands wireless station ROG was installed.

The wireless station listed at Table Island operated under the callsign ROI. However, that station was actually located on Slipper Island, which is a small islet attached to the northwestern point of Table Island. There was an old iron lighthouse on Table Island.

Victoria Point is a town that lies at the very southern tip of mainland Burma. Back then, the wireless station at Victoria Point operated under the callsign ROV, though one listing for this station gave the callsign as ROT, which seems to be a mistake.

In our program today, we honor the 75th anniversary of Radio Myanmar in Burma-Myanmar, and we have investigated the early wireless scene, beginning in the year 1904, and ending with World War 1. More about Burma next time.

**(Adrian Peterson, IN, USA, script for AWR Wavescan Feb 14, 2021)**

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## **SHORTWAVE SCENE in SRI LANKA**

Let's take the opportunity to investigate the shortwave scene of Sri Lanka and of the Japanese NHK Shortwave Relay Station that was installed at Ekala thirty years ago.

Over the years, the important and historic radio site at Ekala, a dozen miles north of the national capital Colombo, has contained four major international shortwave radio stations; Royal Air Force, BBC-SLBC, Voice of America, and NHK-Radio Japan.

It was in 1988 that plans were announced by the Japanese government for the installation of a shortwave relay station at Ekala in Sri Lanka. In February of the next year (1989), work began on this new NHK facility with the construction of a completely new building and the erection of four curtain antennas.

Initially, the original plans for this shortwave relay station indicated three transmitters at 300 kW, though subsequently only two were installed. Under the arrangements with the government of Sri Lanka, an additional four transmitters at 10 kW each would be installed in the original SEAC building for use in the Home Services of the Sri Lanka Broadcasting Corporation. The station was built by NHK and then gifted to SLBC, who operated it on their behalf.

Test broadcasts from the two Japanese-made Kokosai shortwave transmitters began on the frequencies 9720 kHz and 11840 kHz on December 11, 1990. Three weeks later, on January 1 of the following year (1991), these two transmitters were taken into regular service, with programming provided via satellite from NHK in Tokyo. Both organizations, NHK in Tokyo and SLBC in Colombo, utilized these two transmitters for the broadcast of multi-language programming into Asia and the Middle East.

There were occasions when technical problems at NHK Ekala interrupted the usage of these two transmitters. Japanese technical personnel serviced the electronic equipment at Ekala six years later, and the station returned to the air again on December 9, 1996. Then another six years later again (2002), NHK transferred the relay of their programming from Ekala to the Deutsche Welle relay station at Trincomalee on the east coast of Sri Lanka, while renovation was underway at Ekala.

Then, finally, the end came. On the last day of May in the year 2013, without any fanfare, the SLBC finally closed the historic shortwave station at Ekala in Sri Lanka and transferred their own programming to Trincomalee. It was just too expensive to operate this relay station, and spare parts for the transmitters were becoming unavailable. However, as the well-known international radio monitor in Sri Lanka, Victor Goonetilleke, informs us, the equipment at the station appeared to be still in good condition, even at that stage. Along with the historic SEAC station at Ekala, the NHK station is now gone forever.

**(Adrian Peterson, IN, USA, script for AWR Wavescan Dec 27, 2020)**