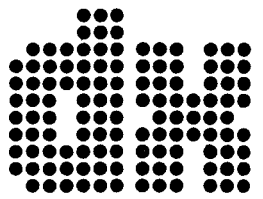


8/9 - 2020 € 3,00

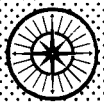
BBC ORTF
ADIO MOSKOU
NDR RAI TV/R



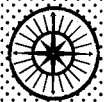
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WORLD WIDE DX CLUB



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Each of the editors mentioned above is self-responsible for the contents of his composed column. Furthermore, we cannot be responsible for the contents of advertisements published in DX MAGAZINE.

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>>



New QSL card of RAE Buenos Aires, Argentina, on the event of their century jubilee

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DX MAGAZINE No. 8/9 ■ Vol. LV ■ August/September 2020

Hello again,

Welcome to the annual summer double issue of our DX MAGAZINE. Like in the past years you will find our normal monthly sections, some articles, and our annual "List of Members". *Please notice that our "List of Members" is only sent to our members - not to non-members, radio stations or other clubs.* I have also included Wolfgang Büschel's latest list "SWL / Media Programs in English, German & Spanish" and Walter Eibl's "Schedules of Broadcasts in German - Hörfahrplan Deutsch". I hope that you will enjoy this double edition and wish you a nice and sunny August and September.

The WRTH Editorial team is pleased to announce a further 4 pages of updates to the World Radio TV Handbook A20 International schedules, which are now available for free download from the WRTH website:

<http://www.wrth.com/_shop/wp-content/uploads/WRTH2020IntRadioSuppl3_A20SchedulesUpdate.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.

(Sean Gilbert G4UCJ, Editor - World Radio TV Handbook)

Until October take care of each other and stay safe,

NEWS ABOUT BROADCASTING (+other) STATIONS

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

"Dit is Radio Classic Sunday, een radio project..... "

New shortwave radio station Radio Classic Sunday 5940 KHZ and 6095 kHz will look back on the offshore radiostations of that time on 30-08-2020 from 09:00 to 12:00. Music from that time and many jingles from that time. Caroline, Mi Amigo, Laser 558, Radio Veronica, voice of Peace and many more will be featured that morning. Disc jockeys Mart Walther, Rene van Elst and Jan Staphorst are the initiators behind this opportunity radio station.

The broadcast will be broadcast all over Europe via shortwave on 5940 and 6095 KHZ AM. The broadcasts will later be available on the internet. Would you like to respond now or request a special radio tune, record?

mail to request <plate@classicsunday.eu>

More info <<https://www.radioclassicsunday.nl/>>

(via A-DX August 30, 2020)

ANTARCTICA - De: RAEDeutsch <raedeutsch@yahoo.com.ar>Enviado: miércoles, 26 de agosto de 2020 23:13:36 ARTAsunto: Sendungen von der Antarktis aus (LRA 36), u. a. auf Deutsch ... Am Samstag den 29.08. sendet LRA36 Radio Nacional ArcángelSan Gabriel von der Antarktisstation Esperanza aus auf Spanisch, Deutsch und Englisch. Die Übertragung erfolgt auf 15.476 khz im USB-Modus.

- Von 15:00 bis 19:00 UTC auf Spanisch
- Von 19:00 bis 19:30 UTC auf Deutsch (1)
- Von 19:30 bis 20:00 UTC auf Spanisch
- Von 20:00 bis 20:30 UTC auf Deutsch (2)
- Von 20:30 bis 22:00 UTC auf Englisch

Rhombusantenne Leistung: 800 Watt

Empfangsberichte werden mit einer Sonder-QSL-Karte von LRA 36 bestätigt.Schreiben Sie bitte an: <tranalra36@radionacional.gov.ar> (Rayén Braun, Deutsche Redaktion RAE)

Betreff: Sendungen von der Antarktis aus (LRA 36), u. a. auf Deutsch
Datum: Sat, 29 Aug 2020 14:46:14 +0000 (UTC)
Von: RAEDeutsch <raedeutsch@yahoo.com.ar>

...

Es wurde uns eben mitgeteilt, dass die für heute geplante Sendung infolge eines schweren Unwetters leider nicht ausgestrahlt wird, so dass ein neuer Termin dafür geplant wird. Schade! LG aus dem regnerischen Buenos Aires und schönes Wochenende!

(Rayén Braun, Deutsche Redaktion RAE)

ARMENIA - 7500 kHz CJSC Yerevan Gavar transmission center. 300 kW
18.13 UT Aug 16. "Radio Menschen & Geschichten" at 1800 UT.

Ilmenau Germany S=9+30dB -43dBm
Bavaria Germany S=9+10
Steiermark Styria Austria S=9+30dB -44dBm
Stuttgart Germany S=9+35 -38dBm strong ! signal
Belgium S=9+5dB
England Plymouth S=9+40dB !
Corfu Greece S=9+20dB
Alicante Spain S=9+10dB
Sevilla Spain S=9+20dB
(wb df5sx, wwdxc BC-DX TopNews Aug 16)

This was a one-off special broadcast edited in Kall/Eifel, announced too shortly to be mentioned here in time. (we)

BANGLADESH - 4750 kHz, Bangladesh Betar - *Home Service*, 1300-1305 UT, on Aug 1. News in Bangla; another strange day with no CNR1, nor VOI QRM. My local sunrise was at 1314 UT and Dhaka sunset was at 1240 UT, making for decent greyline reception. Wonder whatever happened to their External Service SW transmitters that were formerly on 7250, 9455, 15105 kHz etc.??

(Ron Howard-CA-USA, via wwdxc BC-DX TopNews Aug 1)

BHUTAN - 6035even kHz. BS BTN Thimphu in Sharchogpa language scheduled, S=9+10dB signal in Delhi Perseus unit. At 01.37 UT on Aug 18. But was OFF air when checked at 01.48 UT again !? 6 kHz wide audio visible, mostly audio on lower sideband seen !

Lately, some heavy political dispute in that mountain region, about the demarcation line between India / Bhutan and China, remnants of the British Empire finale of 1948 on South Asian subcontinent.

(wb df5sx, wwdxc BC-DX TopNews Aug 18)

BRAZIL - Checked these channels on Aug 25, on remote Perseus SDR rx's in Western Europe:

4885.024 BRA Poor Brazilian domestic sce signal, at 23.00 UT on Aug 25
S=5 or -95dBm, likely 5 kW ZYG362 Radio Clube do Para, Belem PA
<<http://www.radioclubedopara.com.br>>
not Radio Dif. a Acreana, Rio Branco AC
<<https://www.radioclubedopara.com.br/radio/#>>

4985.009 BRA Hit by heavy UTE signal channel adjacent, S=5 or -95dBm,
10 kW ZYF690 Radio Brasil Central, Goiania GO
<<http://www.radiobrasilcentral.com.br>

5939.507 BRA Religious mens chorus, nice performance, S=6 or -90dBm
SC86 Radio Voz Missionaria, Camboriu (SC), the station of the Pentecostal
Gideoes Missionarios da Ultima Hora
<<https://www.radiovozmissionaria.com.br>>

6134.814 BRA 25 kW ZYE954 Radio Aparecida, Aparecida SP
<<https://www.a12.com/radio>> <<https://www.a12.com/radio-am>>
<<https://onlineradiobox.com/br/aparecida/?cs=br.aparecida&played=1>>

[selected SDR options, span 12.5 kHz RBW 15.3 Hertz] (wb df5sx, wwdxc BC-DX TopNews Aug 25)

BULGARIA - Additional transmissions of Brother Stair TOM via SPC-NURTS Sofia Kostinbrod Bulgaria relay site:
0700-1000 11600 SOF 100 kW 306 deg to WEu English effective from Aug 24
1600-1755 11700 SOF 100 kW 195 deg to EAF English effective from Aug 24
(Ivo Ivanov-BUL, hcdx via wwdxc BC-DX TopNews Aug 28)

CANADA - Update on CFVP 6030 kHz, Calgary Canada. This just in from the engineering staff. The tower grounding is replaced/fixed. The transmitter itself had issues and is now repaired and back out at the site. The next thing is to sweep the transmission line and matching network and check impedance. Shouldn't be too much longer now:). (Harold Sellers-CAN, WOR Aug 20)

CANADA [ARMENIA / AUSTRIA / FRANCE / GERMANY / MADAGASCAR / TAJIKISTAN / UZBEKISTAN] -

Updated schedule of Bible Voice Broadcasting / BVB with some corrections in their new summer A-20 pdf file:

0200-0230	11945	ERV	100 kW	125 deg	to SAs	English	Thu	
0300-0315	5900	SOF	50 kW	126 deg	to NE/ME	Arabic	Dardasha	7
0315-0330	5900	SOF	50 kW	126 deg	to NE/ME	Arabic	Dardasha	7
0501-0516	9735	NAU	250 kW	120 deg	to NE/ME	Arabic/English	Fr	
0600-0615	11655	NAU	125 kW	180 deg	to NAF	Arabic	Dardasha	7
1200-1230	21480	MDC	125 kW	045 deg	to EAs	English	Sa	
1230-1245	21480	MDC	125 kW	080 deg	to SEAs	Indonesian	1st&3rd	Su
1200-1300	6240	TAC	100 kW	163 deg	to SAs	Urdu/Punjabi	Sa	
1300-1330	11540	DB	100 kW	071 deg	to EAs	English	Mo-Wed,	not 11550
1300-1315	11540	DB	100 kW	071 deg	to EAs	English	Fr,	not 11550
1300-1330	11540	DB	100 kW	071 deg	to EAs	Korean	Sa/Su,	not 11550
1400-1430	15265	NAU	250 kW	102 deg	to SAs	English	1st	Sat
1430-1500	15265	NAU	250 kW	102 deg	to SAs	English	Sat	
1500-1530	15265	NAU	250 kW	102 deg	to SAs	English	Sat,	new addit
1630-1700	15350	ISS	100 kW	135 deg	to CeAF	Nuer	Daily	
1600-1630	15310	NAU	100 kW	142 deg	to EAF	Oromo	Su-Tue	
1630-1700	15310	NAU	100 kW	142 deg	to EAF	Somali	Sa/Su	
1630-1730	15310	NAU	100 kW	142 deg	to EAF	Amharic	Tue	
1700-1730	15310	NAU	100 kW	142 deg	to EAF	Amharic	Wed/Thu	
1730-1800	15310	NAU	100 kW	142 deg	to EAF	Amharic	Su	
1730-1800	15310	NAU	100 kW	142 deg	to EAF	Tigrinya	Tue/Wed	
1700-1730	9810	MOS	100 kW	115 deg	to NE/ME	English	Thu	
1700-1715	9810	MOS	100 kW	115 deg	to NE/ME	English	Fr	
1730-1830	9810	MOS	100 kW	115 deg	to NE/ME	English	Sa/Su	
1715-1730	9490	SOF	50 kW	126 deg	to NE/ME	Arabic	Mo/Wed	
1715-1745	9490	SOF	50 kW	126 deg	to NE/ME	Arabic	Thu/Fr/Sa	
1745-1800	9490	SOF	50 kW	126 deg	to NE/ME	Arabic	Dardasha	7, not 5995#
1800-1830	9610	NAU	100 kW	105 deg	to WAs	Persian	Fr	
1800-1900	9610	NAU	100 kW	105 deg	to WAs	Persian	Thu	
1830-1900	9610	NAU	100 kW	105 deg	to WAs	Persian	Tue/Su	
1815-1830	9635	NAU	250 kW	130 deg	to NE/ME	English	Su,	not 1915-1930*
1830-1845	7520	DB	100 kW	071 deg	to EAs	Korean	Sa/Su,	new addit
1831-1916	9635	NAU	125 kW	130 deg	to NE/ME	English	Su	

1931-1946 5900 SOF 50 kW 126 deg to NE/ME Arabic Dardasha 7
 1945-2000 9400 SOF 100 kW 126 deg to NAF Arabic Dardasha 7
 # this is winter B-19 frequency. * this is winter B-19 time slot.
 (Ivo Ivanov-BUL, hcdx via wwdxc BC-DX Topnews Aug 26)

CHINA - CNR services A20:

CNR 1

4750 2021 1958-1730	9860 572 2025-2300,1200-1805(=12045)
4800 916 2025-1805	11695 871 0100-0900 DRM
5945 572 2025-2300,1300-1805 (=15480)	11710 572 2025-0030,1000-1805 (=17605)
6000 572 2025-2330,1100-1805 (=9645)	11720 723 2330-1100 (=9710)
6030 572 2025-1805 DRM	11750 723 2200-1000 (=7305)
6080 916 2025-2400,1100-1805 (=9630)	11760 723 0000-1200 (=7365)
6125 572 2025-2300,1000-1805 (=9675)	11925 725 2025-2330,1200-1805 (=17580)
6125 723 2025-2300,1100-1805 (=17595)	11960 572 0000-0900 (=6175)
6175 572 2025-2400,0900-1805 (=11960)	11995 QIQ 0100-1000 (=9870) DRM
7215 723 2025-2400 (=11760)	12045 572 2300-1200(=9860)
7230 594 2025-1805	13610 954 2300-1300 (=9810)
7275 572 2025-2300,1100-1805 (=15380)	13810 501 0400-1100 DRM
7290 572 2025-0100,1000-1805(=17890)	13825 572 0100-0900 DRM
7305 723 2025-2200,1000-1805(=11750)	15180 501 0100-0400 (=13810) DRM
7345 572 2025-2400,1100-1805 (=15550)	15370 723 0100-1100
7365 723 1200-1805(=11760)	15380 572 2300-1100 (=7275)
9500 723 2025-1805	15480 572 2300-1300 (=5945)
9630 916 0000-1100 (=6080)	15550 572 0000-1100 (=7345)
9645 572 2330-1100 (=6000)	17550 572 0000-1200 (=9845)
9655 523 2200-0100,0800-1200 DRM	17565 572 0100-0730 (=9830)
9675 572 2300-1000 (=6125)	17580 725 2330-1200 (=11925)
9710 723 2025-2330,1100-1805 (=11720)	17595 723 2300-1100 (=6125)
9810 954 2025-2300,1300-1805 (=13610)	17605 572 0030-1000 (=11710)
9830 572 2025-0100,0730-1805	17770 871 0100-0900 DRM
9845 572 2025-2400,1200-1805 (=17550)	17830 523 0100-0800 (=9655) DRM
9870 QIQ 1000-1200 (=9420) DRM	17890 572 0100-1000 (=7290)

CNR 2

(English: China Business Radio)

17625 491 0000-0900 (=9515)	9775 491 2055-0100,0900-1605 (=15270)
15540b 0100-1100 not Tue 0600-0900 (=11740)	9755 724 2055-2400,1000-1605 (=12080)
15500 491 2300-1000 (=6155)	9720 722 0000-1000
15270 491 0100-0900 (=9775)	9620 491 2300-1300 (=7245)
12080 724 0000-1000 (=9755)	9515 491 2055-2400,0900-1605 (=17625)
11915 724 0030-1300 (=7335)	7425 594 1300-1605 (=7395)
11845 594 0000-1100 (=9820)	7395 594 2055-2400, (=11835)
11835 594 0000-1300 (=7425)	7375 491 1200-1605 (=6040)
11800 491 2300-1200 (=7375)	7370 491 2055-2300,1300-1605 (=11610)
11740b 2055-0100,1100-1605 (=15540)	7335 724 2055-0030,1300-1605 (=11915)
11670 491 2230-1200 (=6065)	7315 594 2055-0100,1100-1605
11660 594 0100-1100 (=7315)	7265 724 2055-0100, 1230-1605 (=9810)
11610 491 2300-1300 (=7370)	7245 491 2055-2300,1300-1605 (=9620)
9820 594 2055-0000,1100-1605 (=11845)	6155 491 2055-2300,1000-1605 (=15500)
9810 724 0100-1230 (=7265)	6065 491 2055-2230,1200-1605 (=11670)
	6040 491 2055-2300 (=11800)

site QH 916 100kW

9570gm 0100-1100 (=6090)
 7220gm 0000-1200 (=3985)
 6190gm 2055-2400 (=7220)
 6090gm 2055-0100,1100-1605 (=9570)
 3985gm 1200-1605 (=6190)

CNR 3 Yinyue zhi sheng (only FM in Beijing)

CNR 4 Dushi zhi sheng (only FM in Beijing)

CNR 5 Taiwan Service 1 (Voice of Zhonghua)

Tx site:491 2055-1705UTC(not W.0600-0900)
 5925 2055-2400, 1000-1705 / 9685 0000-1000
 7385 2055-2300 / 0900-1705 / 11935 2300-0900
 9665 2055-2400, 1000-1705 / 11620 0000-1000

CNR 6 Taiwan Service 2 (Voice of Shenzhou)

Tx site:491 2155-1605UTC(not W.0600-0900)
 6165 2155-0100, 0900-1605 / 11905 0100-0900
 9420 2155-0100, 0900-1605 / 15710 0100-0900

CNR 8 (Voice of Minorities)

Koreaned.) 9785, 9695
 0900-1100 9785, 5975
 0600-0900(not W75, 1143, 1017 (1206 HL)
 1100-1505 9785, 5975

Mongolian

2055-0300 11810, 9610, 1143
 0300-0400 11810, 9610, 1143 (9750 7270 6040 NM)
 0400-0600 11810, 9610

CNR 9 Wenyi zhi sheng

2200-1800 MW747 Beijing

CNR10 Laonian zhi sheng

2005-1805 MW 1053kHz Beijing

CNR11

Tibetan 2155-1605 not Wed 0600-0855
 1098 MW (Beijing)
 6010 2155-2400, 1300-1605
 7350 1300-1605
 7360 2155-2400
 9480 2155-0100, 1100-1605
 9530 0000-1300
 11685 0000-1300
 15570 0100-1100

CNR13

2355-0400 Uyghur 13700, 15390
 0400-1100 Uyghur 13700, 15390 not Tue 0600-0855
 1100-1400 Uyghur 9420, 13700
 1400-1805 Uyghur 9420, 9890

CNR17

Kazakh

2355-1200 12055, 11630, 1422, 1008 not Tue 0600-0900
 1200-1805 11630, 9630, 1422, 1008 (1600-1700 6015, 7340 XJG)

Tibet People Broadcasting Station

Chinese 2000(Tu.2100)-1800UTC (not Tue 0600-1000)
 2230-2300, 0030-0100, 1030-1100 relay of CNR1
 11950 (290d) 0158-0857 / 7240 (290d) 2000-0157, 0858-1800,
 11860(085d) 0258-0857 / 7450(085d) 2000-0257, 0858-1800,
 6050 (nd), 5935 (085d), 4820(nd) 2000-1800

Tibetan 2050(Tu.2100)-1805UTC (not Tue 0600-1000)

2300-2357, 0400-0457,1300-1357 relay of CNR11 in Tibetan

8

0700, 1600UTC in English "Holy Tibet"

9490 (085d) 0200-1000 / 7255 (085d) 2050-0200,1000-1805

7385 (290d) 2050-0200, 1000-1805 / 9580 0200-1000

6200 (85), 6130 (290d), 6110 (220d), 6025 (268), 4920 (nd), 4905 (nd)

Sichuan PBS (SCBS)

2nd program Chinese, Yui, Tibetan 7225, 6060kHz (2155-1515v)

Haixia zhi Sheng (Voice of the Strait) News Channel

2230-1300(not W.0400-0955) 666 MW 4940 0945-1600 666

(Sa/Su 0930-0955, 1430-1455 English "Focus on China")

Amoy 2230-1300 (not Wed 0400-1000) 4900 0940-1605 873

China Huayi Broadcasting Company (CHBC)

6185 0950-1600

AM 873 kHz except 0400-0953 every Wednesday.

China Huayi Broadcasting Corporation, PO Box 251, Fuzhou, Fujian Province, China 350001

Qing Hai People's Broadcasting Station (QHBS)

Chinese 9780, 6145 2200-1600 (not Tue 0600-0855)

QHEBS Radio 1413AM 2255-1600

QINGHAI Traffic&Music Broadcasting Station: Chinese 1377AM 2255-1500

Tibetan(Amdo dialect) 9850 (0230-0830)/5990 2250-1600 (0800-0900 rel.CNR8)

Gannan People's Broadcasting Station (Gannan Tibetan Autonomous Prefecture)

2220-0100, 0950-1400 UTC Tibetan/Chinese 5970 3990 (2300, 1300 relay CNR11)

Nei Menggu Radio Station

Chinese Service 675/765/1494/ 2150-1605(Tue not 0600-0850)

9520 2150-1605 Azi. 36 7420 2150-1605 Azi.263

Mongolian Service 1098/1395/1458, 95.9 2150-1605

9750 2150-1605 Azi. 36

6040 2150-1605 Azi.263

7270 2150-1605 Azi. 52

Xinjiang People's Broadcasting Station (XJBS)

Uyghur UTC: 2300-1800 (not Tue 0800-1100)

13670 0200-1400, 7205 2300-0200, 1400-1800

11885 2300-1800

9560 0300-1200, 6120 2300-0300, 1200-1800

7275 2300-1800

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

11770 2300-1800

9600 0200-1400, 7310 2300-0200, 1400-1800

7260 2300-1800

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

Kazakh UTC: 2300-1800 (not Tue/Thu 0800-1100)

9470 0355-1153, 6015 2310-0356, 1153-1800

7340 2310-1800

Mongolian UTC: 2300-0330,0530-1030 (Tue/Thu 0800), 1230-1800

6190 2310-0330, 1210-1800, 9510 0530-1030

7230 2310-1800

Kyrgyz UTC: 0330-0530, 1030 (Tue/Thu 1100)-1230

9705 0330-0530, 1030-1230

11975 0330-0530, 1030-1230

The People's Radio Station of Yunnan (YNNDT)

MW 576

7210 2255-0300, 0630-0830, 1055-1500
6035 2230-0130, 0945-1415

Beibu Bay Radio

9820 5050 2300-0100, 1000-1600 Vietnamese/Cantonese/Chinese/Thai/English
6200kHz 1230-1500UTC (season)

Sites used for international MW and international and domestic SW:

CAH Changchun: 1017 kHz
DOF Dongfang: 603/684 kHz 600kW
HDN Huadian: 1323 kHz 600kW
HDU Huadu: 1341 kHz
HEI Heilongjiang Province: (*) 1323 kHz
HNL Changzhou, Henglin: 1044 kHz 1000 kW
HTB Hutubi: 1521 kHz 500 kW
KAS Kashgar: 1422 kHz 600 kW
KUN Kunming: 1080/1296 kHz
LHA Lhasa: 1323kHz
NEI Nei Menggu Aut. Reg.: (*) 963 kHz
xxx Shuangyashan: unknown freq 200 kW
XJG Xinjiang Uyghur Aut. Reg.: (*) 1323 kHz
XUW Xuanwei: 1188/1269 kHz 600 kW
(*) Exact location unknown

SW (approximate transmitter numbers):

BEI Beijing, 3 sites: Doudian (G.C. 39N38 116E05) 4x150, 6x500 kW;
Matoucun 12x100 kW; Shuangqiao 8x100, 6x150 kW
GEM Golmud: 4x100 kW
HUH Hohhot (Bikeqi): 3x100 kW
JIN Jinhua: 3x500kW
KAS Kashgar (Saibagh): 4x100, 8x500 kW
KUN Kunming (Anning): 4x100, 4x150, 4x500 kW
LHA Lhasa: 13x100 kW
LIN Lingshi: 6x100 kW
NNN Nanning: 2x15, 3x100, 1x150 kW
SZG Shijiazhuang, two sites:
Nanpozhuang (G.C. : 2x500kW; Huikou: 6x100 kW
URU Urumqi, Hutubi: 9x100, 8x500 kW
XIA Xi'an, three sites: Xianyang 4x150, 6x500 kW; Baoji, Sifangshan: 6x100 kW; Baoji, Xinjie 1x150 kW

For Beijing, Shijiazhuang and Xi'an shortwave, it is possible to identify specific sites for almost all frequencies as follows:

BEI 150/500 kW CRI from Doudian
BEI 100 kW CNR-1 from Matoucun
BEI 100/150 kW CNR-2, CNR-5, CNR-6, CNR-8 from Shuangqiao
SZG 500 kW CRI from Nanpozhuang
SZG 100 kW CNR from Huikou
XIA 500 kW CRI from Xianyang
XIA 150 kW CNR-2 all from Xianyang except 9820kHz
XIA 100 kW CNR-1 and CNR-8 from Baoji, Sifangshan
XIA 150 kW CNR-2 9820 kHz only from Baoji, Xinjie
XIA 150 kW CRI from Baoji, Xinjie
XIA 150 kW VOR from Baoji, Xinjie
(via Tom Laobaixing / China monitors)

17780even heavy CNR1 jammer on air, S=9+20dB at 00.32 UT, Aug 8, 10 kHz wideband audio, in peaks on music 24 kHz wideband. Nothing noted, not even a tiny string of actually in expectation of SOH Taiwan Chinese underneath. Remote SDR rx at Hiroshima Japan Perseus SDR rx unit.

17560even CNR1 jamming from different origin places, many echo effect heard, S=9+15dB at 00.37 UT Aug 8. Underneath tiny tone fragments of AGM VoA US Yankee relay site at Tinang in Philippines seemingly plus 4 Hertz string visible on upper side flank.

[selected SDR options, span 12.5 kHz RBW 15.3 Hertz] (wb df5sx, wwdxc BC-DX TopNews Aug 8)

11630 kHz, CNR17 on Aug 4 (Tuesday), from 1524 to 1534 UT. After recently checking the weekend schedule for their half hour language lessons (1230-1300 UT), finally got around to monitoring their later weekday schedule; heard with the usual multi-language intro ("Hi, Hello, Ni hao [Chinese for "Hello"], How are you?," etc.); then with only a 10 minute lesson in English ("This is the village ... This is the mountain ... This is the city where I went to university. This is where my mother went to university," etc.); was only semi-readable; as usual was heard with the signature background whistling/humming, which makes it very easy to tell when their language lesson is on the air. (Ron Howard-CA-USA, via wwdxc BC-DX TopNews Aug 6)

CONGO Dem. Rep. - 6210.2 kHz Radio Kahuzi ... out of air. Radio Kahuzi, Bukavu, noted out of air for weeks. I have contacted the station about this and here is the reply: "We are moving our SW Antenna and hope to do better soon in the evenings; it is off and on during the day also, so we PRAY a lot for power. We appreciate your DX reports, and will try to give you a call back when we test the new location of the Antenna ! Keep Looking UP !" (Manuel Mendez-Lugo-ESP, hcdx & WOR July 29)

CONGO Rep. - 6115, Radio Congo, at 0531-0550 UT on Aug 6. One of their better receptions! Clear "Radio Congo" ID; no QRM from Japan. Cutting through the summertime QRN (static) fairly well. Unusual for them to be this good. (Ron Howard-CA-USA, via wwdxc BC-DX TopNews Aug 6)

FRANCE - 15410 kHz Eye Radio Arabic sce Mo-Fr towards Madagascar, via TDF Issoudun France. TDF Issoudun tx switch on at 15.59 UT, then program heard til 16.02 UT, some 45 seconds TX went down, signal came back at 1603 UT:

In remote Corfu Greece unit heard S=9+20dB or -55dBm strong signal in southern Europe, but on all central Europe/UK/Switzerland weak SKIP ZONE signal at only S=7 or -84dBm signal, requested for 16-17 UT Mo-Fr time slot.

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

FRANCE / MADAGASCAR / VATICAN STATE - [to SUDAN target; TDF Frequency Management often uses S_season difference of frequency selection request on 1st week of September or February, wb.]

New updated schedule of MGB Eye Radio from September 1:

0359-0457 7340 SMG 250 kW 151 deg to Eaf Juba Arabic* Mo-Fr

0459-0545 11650 MDC 250 kW 335 deg to Eaf Juba Arabic* Daily#

1559-1657 15410 ISS 250 kW 138 deg to Eaf Juba Arabic* Mo-Fr

1659-1745 15410 ISS 250 kW 138 deg to Eaf Juba Arabic* Daily#

* including other langs English / Dinka / Nuer / Shilluk / Bari / Zande / Lutoho

special COVID-19 prgr English/Dinka/Nuer/Shilluk/Bari/Zande/Lutoho

(Ivo Ivanov-BUL, hcdx via wwdxc BC-DX TopNews Aug 20)

GERMANY - Tomorrow, August 1st, Radio Channel 292 will start on our new frequency: 9670 kHz in the 31 meter band.

This will replace 7440 kHz in 41 mb. 9670 kHz will be good for long distance reception, especially during darkness.

Program information: <<https://www.channel292.de/schedule-9670-khz/>>

Rainer Ebeling

Radio Channel 292

Eja 2

85276 Pfaffenhofen

Bavaria Germany

<info -at- channel292.de> <<http://www.channel292.de>> (channel 292 July 31)

Seems a bad change: severe interference in the late afternoon ... (we)

RADIO SE-TA 2 will start broadcasting via own transmitter in Hartenstein (Saxony), Germany. There will be a one hour opening broadcast and this one will be repeated in the evening as follows:

1000-1100 6115 HST 001 kW non-dir to CEu German September 1

1800-1900 6115 HST 001 kW non-dir to CEu German September 1

In the future, regular broadcasts are planned via own transmitter, according to a broadcast scheme, further information in due course. Our quarterly broadcasts continue to be aired in Summer on 1st Sat in the new quarter on October 3 via Media Broadcast Nauen:

1000-1200 6095 NAU 125 kW 233 deg to CEu German special
(Ivo Ivanov-BUL, hcdx via wwdxc BC-DX TopNews Aug 28)

With beginning September 6th KBC Radio will change from Summer 9925 via Nauen to 5960 0000-0200. Additionally via Nauen with 125 kW 0800-0900 at 6045 and 0900-1600 on 6095.

KBC Radio

Argonstraat 6

6718WT Ede

<<http://www.kbcradio.nl>>

(Richard Lemke, Canada, August 29)

0900-1600 collides with Radio Classic Sunday - perhaps 6045 or 6055 effectively. (we)

SHORTWAVESERVICE Kall/Deutschland SENDEPLAN A20 (29. März bis 24. Oktober 2020)

Stand: 16.07.2020 *** Alle Zeiten in MESZ / all times in CEST (UTC+2) ***

3985 kHz

Montag-Samstag (Monday - Saturday)

17:00-17:30 Radio Tirana International (fr)
17:30-18:00 Radio Slowakei International (fr)
18:00-19:00 SRF Echo der Zeit (dt)
19:00-19:30 Radio Prag International (dt)
19:30-20:00 Radio Tirana International (dt)
20:00-20:30 Radio Slowakei International (dt)
20:30-21:00 Radio Slowakei International (fr)
21:00-21:30 Radio Slowakei International (en)
21:30-22:30 Radio Belarus (en)
22:30-22:50 Radio Belarus (fr)
22:50-23:10 Radio Belarus (es)
23:10-01:10 Radio Belarus (dt)
01:10 Sendeschluss

Sonntag (Sunday)

17:00-17:30 Radio Tirana International (fr)
17:30-18:00 Radio Slowakei International (fr)
18:00-19:00 SRF Echo der Zeit (dt)
19:00-19:30 Radio Prag International (dt)
19:30-20:00 Radio Tirana International (dt)
20:00-20:30 Radio Slowakei International (dt)
20:30-21:00 Radio Slowakei International (fr)
21:00-21:30 Radio Slowakei International (en)
21:30-22:30 Radio Belarus (en)
22:30-22:50 Radio Belarus (fr)
22:50-23:10 Radio Belarus (es)
23:10-01:10 Radio Belarus (dt)
01:10 Sendeschluss

6005 kHz

Montag - Samstag (Monday - Saturday)

09:00-11:00 Radio Belarus (dt)
11:00-12:00 Radio Ukraine International (dt)
12:00-12:30 Radio Slowakei International (dt)
12:30-13:00 SRF Rendez-Vous(dt)
13:00-13:30 Radio Slowakei International (en)
13:30-14:00 Radio Slowakei International (fr)
14:00-14:30 Voice of Mongolia (en)
14:30-15:00 Radio Tirana International (en)

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15:00-15:30 Radio Slowakei International (dt)
15:30-16:00 Radio Slowakei International (fr)
16:00-16:30 Radio Slowakei International (es)
16:30-17:00 Radio Slowakei International (en)
17:00-17:30 Polskie Radio (dt)
17:30-18:00 Radio Slowakei International (en)
18:00-19:00 SRF Echo der Zeit (dt)
19:00-20:00 Radio Ukraine International (dt)
20:00-21:00 Radio Belarus (en)
21:00 Sendeschluss

Sonntag (Sunday)

09:00-11:00 Radio Belarus (dt)
11:00-12:00 Radio Ukraine International (dt)
12:00-12:30 Radio Slowakei International (dt)
12:30-13:00 SRF Rendez-Vous (dt)
13:00-13:30 Radio Slowakei International (en)
13:30-14:00 Radio Slowakei International (fr)
14:00-14:30 Voice of Mongolia (en)
14:30-15:00 Radio Tirana International (en)
15:00-15:30 Radio Slowakei International (dt)
15:30-16:00 Radio Slowakei International (fr)
16:00-16:30 Radio Slowakei International (es)
16:30-17:00 Radio Slowakei International (en)
17:00-17:30 Polskie Radio (dt)
17:30-18:00 Radio Slowakei International (en)
18:00-19:00 SRF Echo der Zeit (dt)
19:00-20:00 Radio Amathusia (nl)
20:00-21:00 Radio Belarus (en)
21:00 Sendeschluss

6085 kHz

Taglich (Daily)

0900-1900 Radio MiAmigo International*

*Deutsch / Englisch / Niederlandisch, Programmplan unter

<<http://www.radiomiamigo.international/english/sw-schedule.html>>

GUAM - 17650.042 kHz much odd fq from GUM - Facpi Point, KSDA AWR Agat in Chinese S=5 or -95dBm in Hiroshima Japan remote SDR, at 00.40 UT on Aug 8.

17719.995 kHz KSDA AWR Agat Guam from Facpi Point, nice modern religious song heard on scheduled Karen (sound like Burmese) program, S=7-8 signal strength in Japan at 00.45 UT on August 8.

15500.015 KSDA AWR Agat Guam in Mongolian language, S=9+5dB or -68dBm signal at 10.40 UT on Aug 13. 11 kHz wideband audio block visible on remote SDR rx Perseus at Hiroshima Japan.

15450.038 KSDA AWR Agat Guam in Mandarine Chinese language, scheduled 10-11 UT, S=9+5dB or -70dBm at 10.45 UT on Aug 13. // also on 15420.012 same program at S=9+10dB -67dBm signal level.

[selected SDR options, span 12.5 kHz RBW 15.3 Hertz](wb df5sx, wwdxc BC-DX TopNews Aug 8 / 13)

INDIA - Unscheduled broadcast of All India Radio in Tibetan on 11560 kHz, August 5:

1308-1330 11560 BGL 500kW 325deg WAs Tibetan instead Dari 1315 UTC!

1330-1333 11560 BGL 500kW 325deg WAs open carrier/dead air instead Dari

1333-1415 11560 BGL 500kW 325deg WAs Dari program, as scheduled A-20

1415-1530 11560 BGL 500kW 325deg WAs Pashto program, as scheduled A-20

1500-1530 11560 BGL 500kW 325deg WAs English nx bulletin is cancelled.

(Ivo Ivanov-BUL, hcdx via wwdxc BC-DX Topnews Aug 5)

From 30 July 2020 the AIR Pashto Service is broadcast continuously at 1415 to 1530 UT on 11560 kHz. Earlier Home Service News in English used to be there at 1500-1530 UT on this frequency. The AIR Home Service news is still broadcast at 1500-1530 UT relayed by AIR Home Service stations only on MW, SW & FM.

(Jose Jacob-IND, DXindia / BrDXC-UK ng, Aug 1)

All India Radio - 11560 kHz at 1500 UT. It has been a couple weeks or so since I checked All India Radio at 1500 UT on 11560 kHz. Today (31 July) I find that the Pashto service continues beyond 1500 UT (with some nice music). However, it therefore seems like the relay of the 8.30pm domestic Evening News in English at this time has now been discontinued. Has the domestic English language News at Nine pm been re-instated?

(Alan Roe, Teddington-UK, BrDXC-UK newsgroup Aug 1)

INDONESIA - Der RRI KW-Senderstandort Cimanggis ist nun leider endgueltig Geschichte. Neueste Aufnahmen von Google Earth vom 30. May und 24. June 2020 zeigen eindeutig, dass die KW-Sendemasten abgebaut und entsorgt wurden. Das Antennenfeld gliederte sich in zwei Haelften, eines noerdlich der beiden Sendergebäude, die noch stehen, und eines suedlich davon. In einer Aufnahme vom 31. May 2019 sind die Antennenanlagen noch deutlich erkennbar

Einzig verblieben ist ein einsamer MW-Sendemast Lokation (06 23 17.98 S 106 51 36.42 E) fuer die Programme RRI Pro-3 auf 999 kHz (24hrs, 150 kW) und RRI Pro-4 auf 1332 kHz (2200-1700 UT, 10 kW).

Die noch sehr gut erhaltenen abgebauten Sendemasten wurden in Container eingelagert und warten dort auf eine spaetere Verwendung. Das 150 ha grosse Gelaende gehoert dem indonesischen Staat und wird vom Informationsministerium fuer elektronische Massenmedien - Radio Republik Indonesia - verwaltet.

Inzwischen wurden 142 ha davon an das Religionsministerium uebertragen, damit die geplante Universitas Islam Internasional Indonesia (UIII) Wirklichkeit werden kann. Damit verblieben gerade mal 8 ha beim indonesischen Staat, 4,7 ha davon werden fuer digitale terrestrische Verbreitungswege hergerichtet.

Die auf dem Restgelaende verbliebenen Hauseigentuemern koennen weiterhin wohnen bleiben, wenn sie bisher schon ueber ein Nutzungsrecht verfuegen, alle illegal dort Siedelnden muessen das Gelaende raeumen. Es ist nun auch rege Bautaetigkeit fuer die UIII in Form von Strassenbau und der Errichtung von Gebaeuden erkennbar.

<<https://galamedia.pikiran-rakyat.com/news/pr-35582822/alih-lahan-rri-cimanggis-untuk-iiiii-tidak-merugikan-negara>>

or kurz: <<https://tinyurl.com/y52clz6g>>

Universitas Islam Internasional Indonesia: <<https://uiii.ac.id>>

Foto: <https://lh5.googleusercontent.com/p/AF1QipPcK06MVpEx3_soEWq2YKO-n3Okaj2Snfp3j5a=h1440>

oder kurz <<https://tinyurl.com/y2r6v88u>>

Fotos der Sendeanlagen: <<https://de.foursquare.com/v/komplek-rri-cimanggis/4c28c71a3492a59393dab728>>

oder kurz <<https://tinyurl.com/yyl3u9pn>>

<<https://de.foursquare.com/v/lapangan-rri-cimanggis/4c42b7af520fa5935fb1cbac?openPhotoid=51fdac53498e73a6e5a68e12>>

oder kurz <<https://tinyurl.com/y3e27xd9>>

<<https://minanews.net/area-pembangunan-universitas-islam-internasional-akan-dinetralisir>>

oder kurz

<<https://minanews.net/area-pembangunan-universitas-islam-internasional-akan-dinetralisir>>

(Arnulf Piontek-D, via A-DX newsgroup Aug 7)

JAPAN - NHK released on August 4 the next management plan for 2021-2023 fiscal years. In the plan domestic AM programs - now Program 1 and Program 2 - will be reduced to 1 program (Program 2, which broadcasts mainly educational programs, will be discontinued), domestic Satellite TV programs - now BS1 and BS2("BS-Premium") - will be reduced to 1 program (BS2, which broadcasts mainly movies, cultural and educational programs, will be discontinued). By this reduction they will save 63,000 million yen in 3 years, and will put off the raising of license fee. Exact day of the reduction will be fixed in 2021 fiscal year. As for overseas service "NHK World", they declare Satellite TV and radio broadcasting on shortwave, mediumwave (relay of local stations or sites), FM (relay of local stations) will be continued.

(Takahito Akabayashi, Tokyo, Japan; via wwdxc BC-DX Topnews Aug 4)

Please have in mind: there will be a new Prime Minister and new ministers, soon. (we)

KOREA, REP OF - Moved back to alternate 5920 kHz, Voice of Freedom, checking on VOF programs from 0948 to 1101 UT, on July 31 (Friday). Super jamming fortunately still up on ex: 6045 kHz today.

Programs heard today (weekday) conform to Amano's excellent program schedule at
<<https://radio.chobi.net/DX/bbs/?res:4586>>

Echo of Hope - VOH: 9095 kHz, from 1054 to 1055 UT, on July 31. Chinese language lesson; good reception as usual. (Ron Howard-CA-USA, via wwdxc BC-DX TopNews July 31)

5920 kHz Voice of Freedom, at 1114 UT on Aug 1.
Continues to have fair reception, with no jamming. Super jamming continues to remain up on ex6045 kHz.

9095 kHz Echo of Hope - VOH, on Aug 1 (Saturday), from 1125 to 1155 UT. Weekend schedule with another installment of reading in English from "Harry Potter and the Magician's Stone," still in chapter one, along with being in Korean. Later, at 1334 UT, with "Touch! Global Headlines," in English and Korean. Good reception. (Ron Howard-CA-USA, via wwdxc BC-DX TopNews Aug 1)

9105 kHz Echo of Hope, VOH. 1248-1255 UT on Aug 10 Mon. Seemed to be a language lesson? Ended with "Namaste"? Thanks to Komatsubara Hiroyuki for his observations.

VOH 9105 kHz, at 1236 UT on Aug 10; dramatization of the early life of Bill Gates; all in English.
Monday - Aug 10

Echo of Hope, VOH: 3985 // 4890 // 5995 // 6255 kHz (underneath a strong CNR1) // 6350 // 9105 kHz, at 1213 UT.

Voice of the People: 3480 // 3910 // 3935 // 4450 // 6520 // 6600 kHz, at 1217 UT.

Voice of Freedom: 5920 kHz, fair-good reception with no jamming, at 1219 UT; super jamming still up on ex6045 kHz. (Ron Howard-CA-USA, direct and WOR via wwdxc BC-DX TopNews Aug 11)

KOREA, D.P.R. [non] / JAPAN - 6040 kHz Shiokaze / Sea Breeze program via Ibaragi-Koga-Yamata-JPN, at 1324 UT on Aug 1, with the usual sound of an emergency siren. Strong pulsating pips jamming already here.

// 6165 kHz, where it was stronger than CNR6 also on frequency, but North Korea jamming was very faint here; scheduled 1300-1400 UT. Per Hiroshi, the change of frequencies happened July 30. He also noted Shiokaze program: 1405-1435 on 6090 // 7325 kHz
1600-1700 on 5920 // 5980 kHz.
(Ron Howard-CA-USA, via wwdxc BC-DX TopNews Aug 1)

KUWAIT - Frequency changes of Radio Farda via USAGM United States Agency for Global Media (USAGM) IBB exBBG Kuwait al-Dschahra suburb:

0630-1100 NF5860 KWT 250 kW 50 deg to WAs Farsi, ex17800 kHz
1100-1400 NF7435 KWT 250 kW 30 deg to WAs Farsi, ex11725 kHz
(Ivo Ivanov-BUL, hcdx via wwdxc BC-DX TopNews Aug 28)

LAOS - 6130 kHz Lao National Radio, Vientiane Laos 6130 Laos - noted at 1228 UT - Good Signal on Jakarta SDR remotely. (Tony Magon-AUS VK2IC, WOR Aug 7)

... Vientiane Laos has certainly done QRT before 13.30 UT. At 13.30 UT only the channel request owner China was on the frequency channel. CHN PBS Xizang, Lhasa Baiding bcast center site in Tibetan, S=9+15dB signal strength in Hiroshima Japan heard remotely.

S=9+30dB in Delhi India Perseus unit on exact even 6130.000 kHz. (wb) (Aug 7)

LITHUANIA - 1386 kHz - Radio Baltic Waves International Viesintos, Lithuania, 75 kW from August 10, 2020:

0330-0400 NHK World Japan Russian
0400-0500 R. Poland Belarusian
0500-0530 R. Poland Ukrainian
1200-1300 R. Poland English

(although the transmitter power is only 1 kW).
(via RUSDX #1092 via wwdxc BC-DX TopNews Aug 2)

MYANMAR - 5915.980 Myanmar Radio in Burmese via Nay Pyi Daw site on Aug 8 at 11.35 UT, S=9+15dB or -64dBm signal strength, heavy QRM neighbour channel of 5910. even kHz CHN CRI Filipino foreign language program, S=9+35dB.

Remote reception in Hiroshima Japan SDR rx location.

[selected SDR options, span 12.5 kHz RBW 15.3 Hertz](wb df5sx, wwdxc BC-DX TopNews Aug 8)

NETHERLANDS - Summer A-20 shortwave schedule of Mike Radio via new stn center at Heerde Holland:

1400-2200 UT 3940 kHz HEE 1 kW non-dir to WEu Dutch Sa from July 25.

And tentative winter B-20 shortwave schedule of Mike Radio via Heerde:
0600-1200 UT 6130 kHz HEE 1 kW non-dir to WEu Dutch Su from Oct 26.

Mike Radio applied to join the High Frequency Coordination Conference. The station was listed on Summer A20 HFCC website on July 21 under MIK; BUT the frequencies are missing on Summer A20 HFCC website on July 27! (Ivo Ivanov-BUL, hcdx via wwdxc BC-DX Topnews July 28)

NIGERIA - Log: VoNigeria, 06.00 UTC, 7255 kHz. Die Vo Nigeria war heute morgen auch kurz vor 06 UTC auf 7254.934 kHz mit S7 und schoenem Musikprogramm in Mitteldeutschland JO51WC zu hoeren.
(Thomas Lindenthal-D, A-DX newsgroup Aug 28)

7254.9 kHz Aug 27 at 0558 UT, no signal from VON which should be running IS by now for 0600 UT broadcast, but not rechecked later here or elsewhere.

(gh, WOR Aug 27)

11769.893 kHz Voice of Nigeria from Abuja, probably in English. At 18.04 UT on Aug 28. Sideband splash signal disturbtion of S=9+35 or -39dBm powerhouse, from adjacent CRI Beijing in Germany, via big bcst center in Kashgar, western China.

[selected SDR options, span 12.5 kHz RBW 15.3 Hertz](wb df5sx, wwdxc BC-DX TopNews Aug 28)

SRI LANKA - Two of three transmitters at Trincomalee are out of service. The transmissions of Sri Lanka Broadcasting Corporation SLBC and some transmissions of Adventist World Radio AWR are suspended, as follows:

0030-0100	11905	TRM	125 kW	345 deg	to SAs	Bengali SLBC
0200-0230	11905	TRM	125 kW	345 deg	to SAs	Hindi SLBC
1115-1158	9695	TRM	125 kW	345 deg	to SAs	Telugu/Malayalam SLBC
1200-1230	15715	TRM	125 kW	45 deg	to EAs	Min Nan Chinese Sun-Thu AWR
1200-1230	15715	TRM	125 kW	45 deg	to EAs	Chinese Fri/Sat AWR
1230-1300	15715	TRM	125 kW	45 deg	to EAs	Cantonese Sun-Thu AWR
1230-1300	15715	TRM	125 kW	45 deg	to EAs	Chinese Fri/Sat AWR
1300-1330	15550	TRM	125 kW	75 deg	to SEAs	Khmer AWR
1330-1400	15550	TRM	125 kW	60 deg	to SEAs	Hmong Thu/Fri AWR
1330-1400	15550	TRM	125 kW	60 deg	to SEAs	Assamese Sun/Wed AWR
1330-1400	15550	TRM	125 kW	90 deg	to SEAs	Indonesian Mon/Tue/Sat AWR
1400-1500	15705	TRM	125 kW	45 deg	to EAs	Chinese AWR
1500-1530	15530	TRM	125 kW	60 deg	to SEAs	Manumanaw Karen AWR
1630-1700	11805	TRM	125 kW	345 deg	to SAs	Pashto Mon/Wed/Fri AWR
1630-1700	11805	TRM	125 kW	335 deg	to SAs	Sindhi Sun/Tue/Thu/Sat AWR
1630-1700	11750	TRM	125 kW	345 deg	to NE/ME	Sinhala City FM SLBC
1702-1800	11835	TRM	125 kW	345 deg	to SAs	Tamil Thendral FM SLBC

Check which of the others transmissions of AWR via Trincomalee are on or not

0000-0030	9810	TRM	125 kW	75 deg	to SEAs	Thai
0100-0130	11925	TRM	125 kW	60 deg	to EAs	Min Nan Chinese Sun-Thu
0100-0130	11925	TRM	125 kW	60 deg	to EAs	Chinese Fri/Sat AWR
0100-0130	15630	TRM	125 kW	25 deg	to EAs	Min Nan Chinese Sun-Thu
0100-0130	15630	TRM	125 kW	25 deg	to EAs	Chinese Fri/Sat

0130-0200	11925	TRM	125 kW	60 deg	to EAs	Cantonese Sun-Thu
0130-0200	11925	TRM	125 kW	60 deg	to EAs	Chinese Fri/Sat
0130-0200	15630	TRM	125 kW	25 deg	to EAs	Cantonese Sun-Thu
0130-0200	15630	TRM	125 kW	25 deg	to EAs	Chinese Fri/Sat
0200-0230	15410	TRM	125 kW	355 deg	to CAs	Kazakh
0230-0300	15410	TRM	125 kW	355 deg	to WAs	Dari
0300-0330	15305	TRM	125 kW	285 deg	to EAF	Tigrigna
0300-0330	15410	TRM	125 kW	270 deg	to EAF	Oromo

Active transmissions of AWR, BBC and SLBC via Trincomalee

0330-0400	15410	TRM	125 kW	345 deg	to CAs	Uzbek
0400-0430	15410	TRM	125 kW	345 deg	to CAs	Kirgyz
0430-0500	15410	TRM	125 kW	345 deg	to WAs	Farsi
0500-0600	17790	TRM	250 kW	300 deg	to CEAF	Arabic
1130-1200	15610	TRM	125 kW	45 deg	to SEAs	Shan Shoshoni
1200-1230	15610	TRM	125 kW	60 deg	to SAs	Dialect Mon
1230-1300	15430	TRM	125 kW	25 deg	to SAs	Meitei Sun/Wed/Fri
1230-1300	15430	TRM	125 kW	25 deg	to SAs	Bengali Mon/Tue/Thu/Sat
1300-1330	15430	TRM	125 kW	25 deg	to SAs	Bengali
1330-1400	15430	TRM	125 kW	25 deg	to SAs	Khasi
1400-1500	11870	TRM	125 kW	05 deg	to CAs	Chinese
1500-1530	9740	TRM	125 kW	15 deg	to SAs	Nepali
1530-1600	9470	TRM	125 kW	15 deg	to SAs	Oriya
1600-1630	11755	TRM	125 kW	345 deg	to SAs	Urdu
1630-1700	7410	TRM	125 kW	15 deg	to SAs	Bengali BBC former 9580, now SNG.
1702-1828	11750	TRM	125 kW	345 deg	to NE/ME	Sinhala City FM SLBC, ex1630-1830 UT.
1830-1900	11790	TRM	125 kW	255 deg	to CEAF	English

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

SUDAN - 9505 kHz Voice of Africa, Al Aitahab, at 1635-1719 UT on Aug 21, after months without hearing it, now on air, French, news, comments, African songs, ID "La Voix de L'Afrique 31 metres, 9505 kHz", at 1717 UT English id. "The Voice of Africa from Sudan...", comments. QRM from Romania on 9500. 32432.
(Manuel Mendez-Lugo-ESP, hcdx & wor Aug 21)

TAIWAN / CHINA - SOH Taiwan A-20 Shortwave Frequency list of Aug 1 / 2 monitored by wb on 01-02 August, 2020.

Also noted some China CNR1 jamming broadcasts.

Log of Aug 1/2 checked with some Asian target outlets on remote Perseus SDRs in Hiroshima, Akitakata, Northern Tokyo Japan SDR rxes.

6214.950	TWN	SOH	Chinese	Aug 2	11.18	UT	
6214.952	TWN	SOH	Chinese	Aug 1	22.08	UT	
6229.943	TWN	SOH	Chinese	Aug 2	11.20	UT	
6279.980	TWN	SOH	Chinese	Aug 2	11.22	UT	
6280	even	CHN	CNR1 jamming,	Aug 1	22.10	UT	
6340.168	TWN	SOH	Chinese	Aug 2	11.23	UT.	
6370.111	TWN	SOH	Chinese	Aug 2	11.24	UT	
6850.114	TWN	SOH	Chinese	Aug 2	11.26	UT	
6865	even	CHN	CNR 1 Jamming Fuzhou,	daylight start Aug 1	at 22.17	UT.	
6865.115	TWN	SOH	Chinese	Aug 1	22.18	UT, Aug 2 11.27	UT
6899.994	TWN	SOH	Chinese	Aug 2	11.28	UT	
6969.896	TWN	SOH	Chinese	Aug 1	22.40	UT	
7280.096	TWN	SOH	Chinese	Aug 2	11.30	UT	
7280.098	TWN	SOH	Chinese	Aug 1	22.43	UT	
7310.059	TWN	SOH	Chinese	Aug 2	11.36	UT	
7310.054	TWN	SOH	Chinese	Aug 1	22.44	UT	
7459.981	TWN	SOH	Chinese	Aug 1	22.46	UT Aug 2 11.39	UT
7644.979	TWN	SOH	Chinese	Aug 1	22.48	UT	
7729.877	TWN	SOH	Chinese	Aug 2	11.41	UT	
7729.893	TWN	SOH	Chinese	Aug 1	22.50	UT	
7730	even	CHN	CNR1 Jammer Mandarin,	Aug 2	11.43	UT.	
9119.949	TWN	SOH	Chinese	Aug 1	22.52	UT, Aug 2 09.55	UT

9120even CHN CNR1 jamming 20 kHz wideband signal. Aug 2 09.53 UT
 9155.028 TWN SOH Chinese Aug 2 11.45 UT
 9180.029 TWN SOH Chinese Aug 2 09.58 UT
 9200even CHN CNR1 Jammer Mandarin, Aug 2 09.59 UT txion final end.
 9200.022 TWN SOH Chinese Aug 2 10.00 UT 11.46 UT
 9215even CHN CNR1 Jammer Mandarin, Aug 2 11.48 UT
 9230.076 TWN SOH Chinese Aug 2 10.02 UT 11.50 UT
 9254.941 TWN SOH Chinese Aug 2 10.04 UT 11.51 UT
 9280.109 TWN SOH Chinese Aug 2 10.06 UT 11.53 UT
 9299.947 TWN SOH Chinese Aug 2 10.07 UT 11.57 UT
 9300even CHN CNR1 Jammer Mandarin, Aug 2 11.56 UT
 9320even CHN CNR1 Jammer Mandarin, Aug 2 11.58 UT
 9339.836 TWN SOH Chinese Aug 2 11.59 UT.

[selected SDR options, span 12.5 kHz RBW 15.3 Hertz](wb df5sx, wwdxc BC-DX TopNews Aug 1 - 2)

THAILAND - 9920 kHz Mon, Aug 10, at 1956-2015 UT, Radio Thailand, Udon-Thani-THA, in English/German. Woman and man announcers talking; 1958 UT ID and woman talks; 1959 UT IS and ID and repeats; 2000 ID and begins the German edition with news by female announcer; 2012 UT IS by man announcer; 2013 UT A song; 2015 UT Ends programming. Good reception.
 (Jota Xavier-BRA, wor Aug 11)

THAILAND / CHINA - 17485even schedule 09-11 UT, underneath co-channel Yankee VoA Mandarin service of Ban Dung Udon Thani Thailand relay AGM United States Agency for Global Media (USAGM). But heavily covered totally by few China mainland jamming meant programs, Chinese music ECHO effect transmission and also additional CNR1 program jamming too. S=9+10dB at 10.55 UT on Aug 13. 20 kHz wideaudio band block visible on Perseus software screen.

[selected SDR options, span 12.5 kHz RBW 15.3 Hertz](wb df5sx, wwdxc BC-DX TopNews Aug 13)

TURKEY - 9880 kHz Mon, Aug 10, at 2019-2030 UT, Voice of Turkey, Emirler-TUR, in French. ID in several languages; 2020 UT A Turkish song; 2023 UT News by man announcer; a song. Fair to good reception.
 (Jota Xavier-BRA, WOR Aug 11)

13635.007 TRT Emirler in Turkish, scheduled at 0600-1258 UT, S=9 or -72dBm fluttery cross Atlantic signal, Turkish music noted 12.25 UT on Aug 8.

9655.019 Voice of Turkey from Emirler, in Georgian language, scheduled 1000-1058 UT, at 10.40 UT on Aug 11, Chorus of Turkish music, S=7-8 -81dBm sidelobe here in southern Germany.

11675.008 Voice of Turkey from Emirler, in Turkish language, scheduled 0600-1158 UT, at 10.50 UT on Aug 11. Turkish music program, noted at S=9 or -76dBm signal level here in southern Germany.

13635.007 Voice of Turkey from Emirler, in Turkish language, scheduled 0600-1258 UT, at 11.05 UT on Aug 11. Turkish like RadioPlay program, noted at S=9-20dB or -53dBm signal level here in southern Germany.

15235.012 TRT Emirler in Uzbek language, scheduled 1000-1058 UT, S=5 only tiny and poor sidelobe signal into Hiroshima Japan remote installation, neted at 10.48 UT on Aug 13.

[selected SDR options, span 12.5 kHz RBW 15.3 Hertz] (wb df5sx, wwdxc BC-DX TopNews Aug 8 /11/ 13)

U.S.A. - This appeared on F_B Short Wave Listening Group today:

Dear WRMI Listeners: Earlier this week we experienced a severe thunderstorm in the area of our transmitter site in Okeechobee (just after Hurricane Isaias passed by). Our power lines were affected by the storm. We did not lose power fortunately, but there was a power surge which blew out some lights in our building and also blew out some parts in our Transmitter #1 which operates on 7780 kHz.

Our engineers have been working on this for a few days now and have replaced a number of components in the transmitter, but it still needs more work to get it back on the air. In the meantime, we are broadcasting all of our programs that are normally on 7780 kHz from 2000-0200 UT on the alternate frequency of 15770 kHz. (This is another one of our regular frequencies.) Both of these frequencies are on antennas directed at 44 degrees. We will air these programs

on 15770 kHz until we get the 7780 kHz transmitter back on the air, which we hope will be tomorrow Friday August 7.

We are very sorry for this situation, but our engineers are working as quickly as possible to get 7780 kHz back on the air. This transmitter is normally on the air 24 hours per day, seven days per week, and has been on this schedule for over a year now, so it really needs a bit of downtime for technical maintenance. Thanks for your understanding.
(WRMI, C Gessner <w3on -at- comcast.net> wor Aug 7)

Good news! 7780 kHz is back on the air. Our engineers Don Frish and Harry Robbins have been working on this for a few days now, and it's back in operation. Thanks for your patience everybody.
(WRMI, C Gessner <w3on -at- comcast.net> WOR Aug 8)

U.S.A. [and non] - Updated summer A-20 shortwave schedule of Brother Stair TOM:

0000-0200	7520	WCR	100	kW	90	deg	to	CAM	English	Dly	WWCR	tx#04
0000-1100	7570	RMI	100	kW	315	deg	to	WNA	English	Dly	WRMI	tx#11
0100-0200	3215	WCR	100	kW	46	deg	to	ENAM	English	Su	WWCR	tx#01
0100-0800	7730	RMI	100	kW	285	deg	to	MEX	English	Dly	WRMI	tx#13
0200-0400	5890	WCR	100	kW	90	deg	to	CAM	English	Su/Mo	WWCR	tx#4
0400-0500	3215	WCR	100	kW	46	deg	to	ENAM	English	Mo-Fr	WWCR	tx#1
0300-0700	9395	RMI	100	kW	355	deg	to	ENAM	English	Dly	WRMI	tx#06
0300-0800	5850	RMI	100	kW	315	deg	to	WNA	English	Dly	WRMI	tx#12
0300-2000	9455	RMI	100	kW	355	deg	to	ENAM	English	Dly	WRMI	tx#08
0300-1500	7780	RMI	100	kW	44	deg	to	WEU	English	Dly	WRMI	tx#01
0400-0500	4840	WCR	100	kW	40	deg	to	ENAM	English	Mon	WWCR	tx#03
0400-1200	5890	WCR	100	kW	90	deg	to	CAM	English	Dly	WWCR	tx#04
0500-1100	3215	WCR	100	kW	46	deg	to	ENAM	English	Dly	WWCR	tx#01
0600-0900	4840	WCR	100	kW	40	deg	to	ENAM	English	Mo-Fr	WWCR	tx#3
0700-1000	11600	SOF	100	kW	126	deg	to	NE/ME	English	Dly*	NURTS	SPL
0900-1000	7730	RMI	100	kW	285	deg	to	MEX	English	Dly	WRMI	tx#13
0900-1200	4840	WCR	100	kW	40	deg	to	ENAM	English	Mo-Sa	WWCR	tx#3
0900-1900	9395	RMI	100	kW	355	deg	to	ENAM	English	Dly	WRMI	tx#06
1000-1600	5850	RMI	100	kW	315	deg	to	WNA	English	Sa	WRMI	tx#12
1000-1600	7730	RMI	100	kW	285	deg	to	MEX	English	Sa	WRMI	tx#13
1100-2400	5950	RMI	100	kW	285	deg	to	MEX	English	Dly	WRMI	tx#05
1200-1300	15770	RMI	100	kW	44	deg	to	WEU	English	Dly	WRMI	tx#09
1200-2000	9980	WCR	100	kW	90	deg	to	CAM	English	Dly	WWCR	tx#04
1300-1400	13845	WCR	100	kW	40	deg	to	ENAM	English	Sa	WWCR	tx#03
1300-1600	5010	RMI	100	kW	181	deg	to	CARI	English	Sa	WRMI	tx#14
1400-1500	7490	WCR	100	kW	85	deg	to	CAF	English	Su	WWCR	tx#02
1400-1600	7570	RMI	100	kW	315	deg	to	WNA	English	Sa	WRMI	tx#11
1400-1900	13845	WCR	100	kW	40	deg	to	ENAM	English	Mo-Sa	WWCR	tx#3
1400-2100	5800	RMI	100	kW	160	deg	to	LAM	English	Sa	WRMI	tx#10
1430-1600	9955	RMI	100	kW	160	deg	to	LAM	English	Sa	WRMI	tx#03
1500-1600	7780	RMI	100	kW	44	deg	to	WEU	English	Sa	WRMI	tx#01
1530-1600	9400	SOF	100	kW	126	deg	to	NE/ME	English	Mo-Sa	NURTS	SPL
1600-1655	11600	SOF	100	kW	306	deg	to	WEU	English	Dly	NURTS	SPL
1600-1800	11700	SOF	100	kW	195	deg	to	EAF	English	Dly*	NURTS	SPL
1600-1900	7490	BCQ	050	kW	245	deg	to	ENAM	English	Dly	WBCQ	tx#01
1600-1700	9400	SOF	100	kW	126	deg	to	NE/ME	English	Dly	NURTS	SPL
1700-1800	12160	WCR	100	kW	85	deg	to	CAF	English	Su	WWCR	tx#02
1700-1800	15825	WCR	100	kW	46	deg	to	WEU	English	Mo-Fr	WWCR	tx#1
1700-2000	9400	SOF	100	kW	126	deg	to	NE/ME	English	Dly*	NURTS	SPL
1700-2000	7780	RMI	100	kW	44	deg	to	WeEUREu	English	Dly	WRMI	tx#01
1800-2000	12160	WCR	100	kW	85	deg	to	CeAF	English	Sa	WWCR	tx#02
1900-2000	7490	BCQ	050	kW	245	deg	to	ENAM	English	Wed-Mo	WBCQ	-1
2000-2100	7490	BCQ	050	kW	245	deg	to	ENAM	English	Sa-Mo	WBCQ	-1
2000-2100	9980	WCR	100	kW	90	deg	to	CAM	English	Sa/Su	WWCR	tx#4
2000-0255	5900	SOF	100	kW	306	deg	to	ENAM	English	Dly	NURTS	SPL
2100-2200	7490	BCQ	050	kW	245	deg	to	ENAM	English	Sa	WBCQ	tx#01
2100-2200	9350	WCR	100	kW	85	deg	to	CAF	English	Sa	WWCR	tx#02
2100-2300	15770	RMI	100	kW	44	deg	to	WEU	English	Dly	WRMI	tx#09
2100-2400	9980	WCR	100	kW	90	deg	to	CAM	English	Dly	WWCR	tx#04

2200-2300 7490 BCQ 050 kW 245 deg to ENAm English Mo-Fr WBCQ-1
 2200-2300 6115 WCR 100 kW 46 deg to ENAm English Mo-Fr WWCRTx#1
 2200-2300 9350 WCR 100 kW 85 deg to CAF English Mo-Fr WWCRTx#2
 2200-0100 9455 RMI 100 kW 355 deg to ENAm English Dly WRMI tx#08
 2300-2400 5850 RMI 100 kW 315 deg to WNAm English Fr WRMI tx#12
 (Ivo Ivanov-BUL, hcdx via wwdxc BC-DX Topnews Aug 22)

WHRI - 7315 kHz. Very good signal into New Brunswick last night (14/15 August UTC) on 7315 kHz with initial transmitter sign-on at about 22:56 UT. Religious program at 23:00 UT and then Voice of Vietnam in English at 00:00 UT, Spanish at 00:30 UT (with some initial playout problem), and Vietnamese for an hour starting at 01:00 UT.

Transmitter briefly off (about 1 minute) before start of VOVTN in English for antenna/beam change and again before VOV in Spanish and VOVTN in Vietnamese. Despite scheduled antenna changes, signal stayed strong. Still identifies as LeSEA Broadcasting Corp. and airs a promo welcoming enquires about starting a radio mission broadcast on WHRI. ID and instrumental version of "Onward Christian Soldiers" at sign-on and start of programs. I'll miss that when WHRI changes ownership. Hopefully the new owners will continue to broadcast VOVTN.
 (Richard Langley-NB-USA, wor Aug 16)

Allan & Angela WBCQ Radio - buying WHRI. ... Yes we are buying WHRI. All for free speech radio, all to keep the shortwaves alive.

As nations around the world are tearing down the irreplaceable shortwave infrastructure, we are doing our best to keep it alive for now and future generations. This is very important as no other system can get the word out like shortwave radio. Google, facebook, microsoft, the NAS, etc., can't control and snoop in on everything.

And yes, WLC programming will be featured on the station as no matter what, our blessed Father in Heaven is the reason we, and the shortwaves, are here. Thanks and be safe and well, Allan & Angela Weiner. WBCQ Radio. Aug 20. (via gh, hcdx Aug 20)

WBCQ (6160, 7490 kHz), UT Sat Aug 22 at 0000 UT, Area 61 webcast, which otherwise is 5130 kHz programming, is running late with 'Old Tyme Radio', an Amos & Andy reproduction episode by Ed Bolton, which used to be a regular on WBCQ, and NOT on the "proposed" schedule we got, instead of Superman, so will have to join 'AAAWWW' late, as WTO theme has already started on 7490 kHz webcast. I listen more or less to whole hour hoping for more info on the WHRI acquisition, but not much other than waiting for the deal to close. Looking for engineers and operators in Maine: pay is good but not much benefits, and cost of living is low, good place if you like winter sports. Applicants will be interviewed (remotedly?).

Over the years some 50 expensive tubes have been returned for rebuilding. 0020 UT sez quadri-casting tonight on 3265, 5130, 6160, 7490 kHz, 21 August YOOL 2020; and now it's dark at this hour as summer is latening, days shortening. 0022 UT A&A get into vicious political rants totally anti-Democratic and pro-Trumpic. Democratic states are Communist-controlled. Biden and Kamala are jokes. Need mega-landslide for Trump. They go on to accuse Dems of election hijinx which are really what the Trumpublicans are doing! 0035 UT phone call finally from someone contradicting them, disappointed they are ignoring the incredible misconduct and lies of Trump, complete failure handling the pandemic.

Angela shouts him down, while Allan accepts his free-speech right to disagree.

It's Bryan in West Chester PA. 0050 UT into e-mails, about WHRI? Going to fix up the facility in Furman. Dedicated to keeping SW alive at that 250/500 kW level. There are good people at WHRI; and he keeps referring to "Le-See-A".
 (gh, hcdx and wor Aug 22)

Here's John Carver's version:

"Tonight's show started on time on 7490 and a few seconds later on 5130 and 6160 kHz. Voice over during the theme song set the tone. Something about rioting, looting, pillaging, cop shootings all brought about by the Democrats. Allan and Angela in the studio along with some sexy talk and then into a rundown of all the equipment in the studio.

Brief mentions of the MW and FM stations. Also another plea for qualified engineers to help run the superstation. Then into full blown political talk and Angela becomes animated. Among other things she suggested that all Democrats be loaded on a pod and sent to Mars.

Phone call at 0035 UT from a gentleman attacking Trump's stand on the Covid thing and his mishandling of the problem which sent Angela from animated to agitated and a shouting match erupted between the caller and Angela. Allan did

his best to calm things down.

Reading of emails at 0050 UT. First email asked about the purchase of WHRI and Allan stated that the facility would be broadcasting a lot of programming from WLC and that more details would be available later. Allan stated that they had been getting a lot of positive emails about the Old Time Radio show on 6160 kHz. Allan asked Angela to lead the closing prayer this evening and she started but was cut off by the end of the program at 0100 UT. John, Mid-North Indiana". (John Carver-IN-USA, via Glenn Hauser-OK-USA, hcdx and wor Aug 22)

ZAMBIA - Voice of Hope, Africa is temporarily suspending morning broadcasts and resuming evening broadcasts once again, due to changes in the 'load shedding' schedule by the local power utility, ZESCO. Effective 1st August, 2020, Saturday, we will be transmitting:

1400-1600 UT daily on 6065 & 9680 kHz
1600-2130 UT daily on 4965 & 6065 kHz

The evening broadcasts on 6065 kHz may afford better listening opportunities for DX-ers in Europe. Reception reports are always welcome to
<reports -at- voiceofhope.com>

A full program guide is on our website, here:
<http://voiceofhope.com/schedule/voh-africa_program_grid.pdf>

We are hopeful we will be able to resume broadcasting in both the mornings and evenings later this year as the local electricity supply improves.

Ray Robinson
Strategic Communications Group
Voice of Hope World Radio NetWORK

<<http://www.voiceofhope.com>>
(via RUSDX #1092 via wwdxc BC-DX TopNews Aug 2)

Sonnenfleckenminimum lag im Dezember 2019

Die "Frohe Botschaft" fuer alle Kurzwellenfreunde:
Das Sonnenfleckenminimum lag im Dezember 2019!

Das vermeldet Hartmut Buettig, DL1VDL, im DARC-Funkwetterbericht. Denn: Die ueber die jeweils letzten 12 Monate gemittelte "geglattete Sonnenfleckenanzahl R12" wurde fuer Januar 2020 mit R12=2,2 veroeffentlicht und lag damit hoeher als der Wert fuer Dezember 2019 (R12=1,9).
(Tom Thomas Kamp-D DF5JL, A-DX newsgroup Aug 5)

<<http://www.solen.info/solar/>>
<<https://www.iap-kborn.de/home/>>
<<https://www.swpc.noaa.gov/news/solar-cycle-25-forecast-update>>
<<https://spaceweatherarchive.com/2020/08/04/solar-cycle-25-is-coming-to-life/>>

Editor's info desk was closed for this edition on August 30th, 2020, at 10:00 hours UTC.

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.

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 = 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, 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, YAK = Yakul, Afghanistan.

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):

(*) = Digital Radio broadcast (DRM) v = variable irr / # = irregular / technical problems /USB = upper sideband, /LSB = lower sideband, alt.: (QRG) = alternative frequency

Editor:

Walter Eibl (we)

E-Mail: <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

also monitoring via WORLD WIDE WEB.

AUSTRALIAN INTERNATIONAL BROADCASTING

If wars of the future are about influence, Australia needs to be better armed

By Malcolm Long

Interesting and timely oped from former Australian public broadcasting executive Malcolm Long on our loss of influence through broadcasting in our region. Includes comments by the former US Secretary of Defence Robert Gates on the decline of US international broadcasting as well. Australia's disappearing media presence in the Asia-Pacific makes us increasingly vulnerable. As we wrestle with our deteriorating relations with China and seek to strengthen our

engagement with other countries, effective international communications by Australia have gone missing in action.

Since 2013, following substantial government funding cuts, the ABC has reduced its spending on Radio Australia and its international television and online services by more than two-thirds, to about \$11 million a year. At the same time, China is investing billions in new global communications initiatives. Russia, Japan, Germany, France and the BBC each spend hundreds of millions annually.

In the past Radio Australia was recognised globally as an almost textbook model of how to do multilingual international broadcasting, successfully blending entertainment, education and highly valued independent news coverage. At its height, tens of millions of people around our region trusted RA to provide an honest, objective view of what was going on in their countries and the World.

Over the decades, Radio Australia produced content in Hindi, Bahasa Indonesian, Japanese, Thai, Khmer, Vietnamese, Burmese, Mandarin, Cantonese, French, Dutch, German, Tok Pisin (pidgin English) and English. Now content is produced only in Mandarin, Bahasa Indonesia, Tok Pisin and English. China Radio International broadcasts in 65 languages.

Beyond languages, these days online platforms, apps and co-operative local productions need to be part of any international media mix. And Australia possesses the creative and technology skills, multicultural perspectives and democratic disposition to again forge a compelling presence - this time in the new media environment.

The war for hearts and minds is most notably under way in the Pacific where the Australian government's Pacific "step-up" program of engagement and support recognises the need for us to do more. But China's ubiquitous presence and seductive financing capacity are going to be hard to match.

The government recently provided some additional short-term and very limited funds to commercial TV and the ABC for extra programs for the Pacific, but the gesture is exceedingly modest in comparison with the huge expenditures by others.

Our government would do well to heed the wisdom of Robert Gates, the US secretary of defence from 2006-2011, who famously served in the Republican Bush administration and was retained by the Democrat president Barack Obama. As a thinker on geopolitics, Gates commands uncommon respect across the US political divide.

In his just-published book *Exercise of Power: American Failures, Successes, and a New Path Forward in the Post-Cold War World*, Gates highlights the crucial importance of strategic communications in America's contest with global rivals.

In an interview about the book on US television he decried the fact "that our entire communications capability has been dramatically weakened since the end of the Cold War". He noted that Congress had eliminated the United States Information Agency and that, more recently, influential US international broadcasting services had "basically been dismantled".

"You know the Russians interfere with our politics all the time and try to divide us and stuff," Gates said. "Why aren't we going into the Russians, getting past their firewalls and talking about the corruption of Putin and his henchmen. We just don't do that kind of thing and frankly it's going to be very necessary going forward in the WORld. We are disadvantaged because we basically eliminated or reduced dramatically the funding for almost all these non-military instruments of power."

Gates pointed out that China has a global communications strategy and has invested billions in acquiring networks in every country in the world.

"We don't have anything comparable to that today ... we're going to need these kinds of tools because if we're lucky and smart we can avoid a military conflict with China. But that means the rivalry will take place using the non-military instruments of power, and strategic communications is one of the most important."

If wars of the future are about influence, WORds and ideas, Australia needs to be better armed too.

Malcolm Long is a former deputy managing director of the ABC and managing director of SBS. He is a member of the Australia Asia Pacific Media Initiative.
(via Matt Francis, WOR July 29)

> From the Age and Sydney Morning Herald newspapers on 28 July and online at:
<<https://www.smh.com.au/national/if-wars-of-the-future-are-about-influence-australia-needs-to-be-better-armed-20200721-p55e7j.html>>



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.
3955.0	1900	453	D	Radio DARC via Ch292	German	D, ID, 272; DX, Pop	0305	SG
3955.0	2000	454	G	KBS-WR via Woofferton	German	D, NX; ID; K+q; Sport	3003	SG
3975.0	2115	444	D	Shortwaveradio Winsen	English	E, ID, Rockpop, ann	2107	SG
3985.0	1500	353	D	Radio Tirana via Kall	French	F, IS, ID, NX, rpts	2207	SG
3985.0	1600	343	D	SRF via Kall	German	D, ID, Echo der Zeit	2307	SG
3985.0	1700	444	D	RPI via Kall bbg	German	D, ID, NX, WX, rpts	2107	SG
3985.0	1830	444	D	RSI via Kall	French	F, ID, NX, MX, rpts	2807	SG
3985.0	1900	343	D	RSI via Kall	English	E, ID, NX, WX, rpts	2807	SG
3985.0	1930	444	D	Radio Belarus via Kall	English	E, ID, NX, rpts	2707	SG
3985.0	2030	342	D	Radio Belarus via Kall	French	F, ID, ann, NX, rpt	2707	SG
3985.0	2050	242	D	Radio Belarus via Kall	Spanish	S, ID, ann, NX, rpt	2707	SG
3985.0	2110	241	D	Radio Belarus via Kall	German	D, kein Empfang	2707	SG
5805.0	2125	443	DNK	Radio 208	English	E, Rockpop, ID	2107	SG
5840.0	2135	454	DNK	World Music Radio	English	E, Rockpop, ID	2107	SG
5900.0	1900	454	BUL	RTI via Kostinbrod	German	D, ID, NX, WX, rpts	3003	SG
5900.0	2100	454	BUL	TOM via Kostinbrod	English	E, ID, prayers bc	2007	SG
5905.0	1200	242	D	DWD Pinneberg	German	D, ID, Seewetter // 6180	0104	SG
5920.0	0030	454	USA	WHRI	English	E, ID, Pop, ID, Pop	2807	SG
5920.0	0930	252	D	HCJB Weenermoor	German	D, ID, Medienmagazin	1907	SG
5925.0	0400	444	BOT	VOA-Relay	English	E, ID, NX, rpts	2007	SG
5945.0	1845	554	TUR	TRT	English	E, ID, MX, ID, rpt	2707	SG
5965.0	2300	343	KWT	RFA-Relay	Tibetan	Tibetan, ID, NX, rpts	2107	SG
5975.0	0400	454	D	AWR	Bulgarian	Bulg, IS, ID, relPX	2107	SG
5975.0	0430	554	AUT	NHK-W-RJ-Relay	English	E, IS, ID, NX, rpt // 7245	2207	SG
6005.0	0500	554	G	BBC-Relay	English	E, ID, NX, rpts	2007	SG
6005.0	0700	453	D	Radio Belarus via Kall	German	D, ID, NX, Tourismus	2807	SG
6005.0	0900	454	D	RUI via Kall	German	D, IS, ID, NX, VMX	1005	SG
6005.0	1030	343	D	SRF via Kall	German	D, ID, NX, rpts	0204	SG
6005.0	1130	444	D	RSI via Kall	French	F, ID, NX, rpts	3103	SG
6005.0	1200	444	D	VoMongolia via Kall	English	E, IS, ID, NX, rpts	3103	SG
6005.0	1500	454	D	Polskie Radio via Kall	German	D, ID, NX, rpt Frauen	2707	SG
6005.0	1530	353	D	RSI via Kall	English	E, ID, NX, rpts	2707	SG
6005.0	1700	444	D	RUI via Kall	German	D, IS, ID, MX, rpt	2707	SG
6005.0	1800	444	D	Radio Belarus via Kall	English	E, ID, ann, NX, rpts	2707	SG
6005.0	1900	454	BUL	RTI via Kostinbrod	French	F, ID, NX, rpts	2707	SG
6015.0	0530	454	ROU	RRI	English	E, IS, ID, NX, rpts	2207	SG
6020.0	1830	554	CHN	CRI	Bulgarian	Bulg, IS, ID, NX, rpt	0404	SG
6020.0	1900	554	CHN	CRI	Albanian	Alban, IS, ID, NX, rpts	0404	SG
6040.0	0000	554	ROU	RRI	English	E, IS, ID, NX, rpt // 7375	2807	SG
6040.0	0100	554	ROU	RRI	French	F, IS, ID, NX, rpt // 7375	2807	SG
6055.0	1030	444	D	Ev. Missionsgemeinden	German	D, IS, ID, Lied, Predigt	0504	SG
6070.0	0730	444	D	Gospelradio via Ch292	English	E, ID, gospel show	2207	SG
6070.0	0745	454	D	Radio Channel 292	English	E, ID, Rockpop, ann	2007	SG
6070.0	0900	454	D	RNI via Ch292	German	D, ID, Goldrausch	1907	SG

6070.0	0900	454	D	RNI via Ch292	German	D, ID, Goldrausch	1005	SG
6070.0	0900	454	D	SM-Radio Dessau	German	D, ID, RockPop-Tina T.	0404	SG
6070.0	0900	554	AUT	R. DARC via Moosbrunn	German	D, ID,284; Afu; DX, Pop	2607	SG
6070.0	1000	454	D	Korches Radio via Ch292	German	D, ID, VMX, GebGr	0504	SG
6070.0	1000	454	AUT	Korches R. Moosbrunn	German	D, ID, VMX, GebGr	0305	SG
6070.0	1100	444	D	Free R. Skyper Ch292	English	E, ID, MX, ID, adr, HBF	0504	SG
6080.0	0400	243	STP	VOA-Relay	English	E, ID, NX, rpts	2007	SG
6085.0	1010	454	D	Radio Mi Amigo	German	D, Rockpop, ID	0205	SG
6125.0	0515	454	F	Radio Algerienne via RFI	Arabic	A, ann, ID, MX, rpts	1607	SG
6140.0	0800	454	AUT	Welle 370 via ORS	German	D, ID, adr, Funckerberg	0305	SG
6145.0	1900	454	G	KBS-WR	French	F, ID, NX, ID, rpt	2807	SG
6155.0	0500	554	AUT	Ö1 Wien	German	D, IS, ID, NX, rpts	2207	SG
6160.0	0800	454	D	Shortwaveradio Winsen	German	D, ID, dt. Schlager	2807	SG
6165.0	1700	444	CHN	CRI	English	E, ID, NX, rpts	1304	SG
6175.0	2225	454	CHN	CNR	Chinese	Ch, ID, ann, VMX	2107	SG
6180.0	1200	454	D	DWD Pinneberg	German	D, ID, Seewetter // 5905	0104	SG
7230.0	2320	444	IRN	IRIB	French	F, IS, ID, NA, NX, rpt	2707	SG
7245.0	0430	554	CVA	NHK-W-RJ-Relay	English	E, IS, ID, NX, rpt // 5975	2207	SG
7260.0	0130	554	TUR	TRT	Spanish	S, ID, ann, Pop	2807	SG
7280.0	2130	433	VTN	VOV	English	E, ID, NX, rpt, MX	2207	SG
7285.0	2130	444	CHN	CRI	English	E, ID, magazine	2207	SG
7290.0	1830	554	ROU	IRRS-Relay	English	E, ID, prayer Jehova	0404	SG
7300.0	1722	444	IRN	IRIB	German	D, IS, ID, Koran, NX	0807	SG
7300.0	2200	554	CHN	CRI	Esperanto	Esperanto, IS, ID, NX	2307	SG
7310.0	2200	554	ROU	RRI	English	E, IS, ID, NX, inside	2207	SG
7315.0	0000	444	USA	VOV via WRMI	English	E, ID, NX, rpt, MX	2707	SG
7340.0	0425	454	CVA	Eye Radio	English	E, ID, sundown show	2207	SG
7345.0	0500	554	G	BBC-Relay	English	E, ID, NX, rpts	2007	SG
7365.0	0730	342	D	HCJB Weenermoor	German	D, ID, relPX	2707	SG
7375.0	0000	554	ROU	RRI	English	E, IS, ID, NX, rpt // 6040	2807	SG
7375.0	0400	444	G	VOA-Relay	English	E, ID, NX, rpts	2007	SG
7380.0	1600	454	CHN	CRI	German	D, IS, ID, NX, rpts	0404	SG
7380.0	1640	453	CHN	CRI	German	D, rpt, ID, MX // 11725	2007	SG
7395.0	1800	454	CHN	CRI	German	D, IS, ID, NX, rpts	0404	SG
7465.0	0115	454	MDA	TWR India	Hindi	Hindi, ID, VMX, relPX	2807	SG
7470.0	2200	443	KWT	RFA-Relay	Tibetan	Tibetan, ID, NX, rpts	2107	SG
7780.0	0030	353	USA	RSI via WRMI	English	E, ID, ann, NX, rpts	2807	SG
7780.0	0130	353	USA	WRMI	English	E, ID, mx, no Wavescan	2807	SG
9380.0	2200	242	KWT	RFA-Relay	Tibetan	Tibetan, ID, NX, rpts	2107	SG
9385.0	0430	343	USA	WEWN	English	E, ID, ann, NX, rpts	2207	SG
9420.0	0045	454	GRC	ERT	Greece	Greece, ID, Pop, talks	2807	SG
9420.0	0445	454	GRC	ERT	Greece	Greece, ID, Pop, talks	2207	SG
9500.0	1720	554	ROU	RRI	Romanian	Romanian, ID, futbol	2207	SG
9515.0	1500	343	KOR	KBS-WR	English	E, ID, NX, MX, rpts	2507	SG
9540.0	2100	343	MRA	RFA-Relay	Korean	Korean, ID, NX, rpts	2107	SG
9570.0	2200	454	CHN	CRI	French	F, ID, NX, MX, rpts	2307	SG
9700.0	0600	554	ROU	RRI	German	D, IS, ID, NX, rpts	2207	SG
9770.0	0445	454	TUR	TRT	Turkish	Turkish, ID, rpt, MX	2307	SG
9790.0	0630	454	F	RFI	French	F, ID, rpts Corona	2307	SG
9830.0	0630	343	STP	DW-Relay	Hausa	Hausa, ID, ann, NX	2207	SG
9920.0	2000	343	THA	RTWS	German	D, IS, ID, NX, rpt, MX	3003	SG
11530.0	0855	454	MDA	Radyo Denge Welat	Kurdish	Kurdish, MX, ID, NX	2207	SG
11560.0	1500	454	IND	AIR	English	E, ID, evening NX	2707	SG
11620.0	0600	454	AUT	BBC-Relay	French	F, ID, NX, rpts	2307	SG
11650.0	1000	554	ROU	RRI	French	F, IS, ID, NX, // 13790	1304	SG
11650.0	1800	443	CHN	CRI	German	D, IS, ID, NX, rpts	0404	SG
11725.0	1640	454	CHN	CRI	German	D, rpt, ID, MX // 7380	2007	SG
11775.0	1800	454	CHN	CRI	German	D, IS, ID, NX, rpts	0404	SG
11790.0	1700	454	MDG	AWR	Swahili	Swahili, IS, ID, NX, pray	0807	SG
11790.0	1840	343	CLN	AWR	English	E, prayer, ID, adr	2707	SG
11815.0	1620	454	CVA	Radio Vaticana	Russian	R, IS, ID, NX	2207	SG
11815.0	1638	454	CVA	Radio Vaticana	Ukraine	Ukraine, IS, ID, NX	2207	SG
11825.0	1715	554	CHN	CRI	Croatian	Croatian, MX, ID, rpt	2207	SG

11850.0	1700	554	ROU	RRI	English	E, IS, ID, NX, Sport, rpt	2207	SG
11930.0	1630	454	TUR	TRT	Spanish	S, IS, ID, ann, NX, rpts	2107	SG
11935.0	1115	554	ARS	Saudi Radio	Arabic	A, ID, Koran // 17615	1304	SG
11940.0	1830	444	E	REE	Spanish	S, rpt, MX, TS, ID, NX	2707	SG
11945.0	2100	242	MRA	RFA-Relay	Korean	Korean, ID, NX, rpts	2107	SG
11975.0	1600	554	ROU	RRI	French	F, IS, ID, NX, rpts	2107	SG
11975.0	1720	554	ROU	RRI	Romanian	Romanian, ID, futbol	2207	SG
11985.0	1656	454	MRA	RFA-Relay	Korean	Korean, ID, MX, NX, rpt	2207	SG
11985.0	2100	454	MRA	RFA-Relay	Korean	Korean, ID, NX, rpts	2107	SG
11995.0	1830	454	F	RFI	French	F, ID, rpts Senegal	2707	SG
12005.0	1310	343	G	Radio Farda	Persian	Persian, MX, ID, Pop	0505	SG
12005.0	1615	554	G	Radio Farda	Persian	Persian, MX, ID, Pop	2107	SG
12015.0	0600	554	CVA	BBC-Relay	English	E, ID, NX, rpts	2107	SG
12015.0	1600	444	KRE	Stimme Koreas	German	D, IS, ID, NA, MX, NX	2007	SG
12015.0	1800	444	KRE	Stimme Koreas	German	D, IS, ID, NA, MX, NX	2707	SG
12030.0	1625	444	E	REE	Spanish	S, rpt, MX, TS, ID, NX	2007	SG
13580.0	1100	333	KWT	RFA-Relay	Tibetan	Tibetan, ID, NX, rpts	0205	SG
13635.0	0900	454	TUR	TRT	Turkish	Turkish, ID, NX, MX	2007	SG
13660.0	1815	454	G	BBC-Relay	English	E, rpt, ID, rpt, sports	2707	SG
13670.0	1800	343	MDG	World Voice	English	E, ID, pathways, rel. PX	2707	SG
13695.0	0615	343	F	RFI	French	F, ID, rpts Afrique	2207	SG
13695.0	0900	454	F	RFI	French	F, ID, Corona special bc	2207	SG
13740.0	1815	454	F	RFI	French	F, NX, ID, chansons	2707	SG
13750.0	1100	554	ROU	RRI	English	E, IS, ID, NX // 15320	1304	SG
13760.0	1128	454	TUR	TRT	German	D, IS, ID, NX, MX only	1304	SG
13790.0	1000	554	ROU	RRI	French	F, IS, ID, NX, // 11650	1304	SG
13835.0	1259	433	TJK	RFA-Relay	Tibetan	Tibetan, IS, ID, NX, rpts	0505	SG
13845.0	1200	454	USA	WWCR	English	E, ID, ann, relPX	0505	SG
13845.0	1229	433	ROU	RRI	Chinese	Ch, IS, ID, NX, rpts	0505	SG
13860.0	0910	353	THA	Radio Farda	Persian	Persian, MX, ID, Pop	2207	SG
15120.0	0430	443	CHN	CRI	English	E, ID, rpts, Pop	1707	SG
15130.0	1140	454	ROU	RRI	English	E, MX, ID, HBF // 15320	0305	SG
15150.0	1000	554	ROU	RRI	French	F, IS, ID, NX, // 13790	0205	SG
15159.0	1500	443	MDG	Radio Tamazui	Arabic	ID, NX	2607	SG
15160.0	0900	343	KOR	KBS-WR-Kimjiae	Korean	Korean, ID, NX, magaz.	2007	SG
15170.0	0445	454	ARS	Saudi Radio	Arabic	A, Korangesang, ID	1707	SG
15215.0	0630	343	F	DW-Relay	Hausa	Hausa, ID, ann, NX	2207	SG
15220.0	1000	454	CHN	CRI	Hungarian	Ung, IS, ID, NX, MX, rpt	1005	SG
15290.0	0900	343	F	NHK-W-RJ-Relay	Japanese	J, ID, NX, magazine	2007	SG
15300.0	0615	343	F	RFI	French	F, ID, rpts Afrique	2207	SG
15320.0	0900	454	F	RFI	French	F, ID, Corona special bc	2207	SG
15320.0	1100	454	ROU	RRI	English	E, IS, ID, NX, // 15130	1304	SG
15335.0	0800	554	CHN	CRI	Russian	R, IS, ID, NX, // 15665	1507	SG
15350.0	0840	454	CHN	CRI	English	E, MX, ID, rpt	2207	SG
15380.0	0800	554	ARS	Saudi Radio	Arabic	A, ID, Gesang, ID, rpt	2107	SG
15410.0	0530	454	ROU	RRI	English	E, IS, ID, NX, rpts	2207	SG
15450.0	1230	454	TUR	TRT	English	E, IS, ID, ann, NX, MX	0505	SG
15470.0	1200	322	TJK	RFA-Relay	Tibetan	Tibetan, ID, NX, rpts	0205	SG
15490.0	0730	454	CVA	BBC-Relay	English	E, ID, NX, business rpts	2807	SG
15530.0	0545	454	KWT	Radio Kuwait	Arabic	A, MX, ID, rpts	2207	SG
15530.0	0745	454	KWT	Radio Kuwait	Arabic	A, MX, ID, talks	2807	SG
15575.0	1300	342	KOR	KBS-WR	English	E, IS, ID, NX, rpt	0405	SG
15580.0	0500	454	BOT	VOA-Relay	English	E, ID, rpts, Pop	1607	SG
15580.0	1500	454	BOT	VOA-Relay	English	E, ID, bordercrossing	1607	SG
15590.0	1200	554	CHN	CRI	English	E, ID, NX, rpts economy	0205	SG
15665.0	0830	554	CHN	CRI	Russian	R, ID, NX, rpts // 15335	1507	SG
17490.0	1000	444	CHN	CRI	English	E, IS, ID, NX, rpts	1204	SG
17520.0	0515	454	ROU	RRI	French	F, rpt, MX, ID, rpt	2207	SG
17615.0	0500	454	CHN	CRI	German	D, IS, ID, NX, rpts	2207	SG
17615.0	1115	554	ARS	Saudi Radio	Arabic	A, ID, Koran // 11935	1304	SG
17630.0	1500	352	MLI	CRI	English	E, ID, NX, rpts	2207	SG
17670.0	1140	454	ROU	RRI	English	E, MX, ID, HBF // 15130	0305	SG
17720.0	0500	454	CHN	CRI	German	D, IS, ID, NX, rpts	2207	SG

17760.0	0530	454	ROU	RRI	English	E, IS, ID, NX, rpt	2207	SG
17850.0	0850	454	F	RFI	French	F, phone talks, ID	2207	SG
17865.0	0620	454	CHN	CRI	French	F, rpt, MX, ID, rpt	2207	SG
21695.0	0900	343	PHL	VOA-Relay	Chinese	Ch, ID, NX, rpt	2007	SG

Here are the loggings from Richard Lemke of St. Albert, Alberta, Canada:

6100.0 CUBA Radio Havana 0525 Mailbag Show Mexico Belarus Richard Lemke Canada. Stamp contest India 553 July 20
 6145.0 CUBA Radio Havana 0329 - 0339, Mailbag Show, mail from Ohio, UK, NYC, India, Chris BC Canada, 0329 (553), August 27 UTC
 7730.0 USA WRMI 0045 World of Radio #2043 static 352 July 20
 9395.0 USA WRMI Alt Universe Top 40 heard Dead of Alive tune Oscar Peterson Richard Lemke Canada Amsterdam 0137 452 July 20
 9850.0 ROMANIA Radio Romania Intl., 0340 DX Mailbag heard India Richard Lemke Canada Japan Bangladesh IL USA Ontario Canada Toronto Canada Sweden 0346 453 July 19
 9955.0 USA WRMI FL World of Radio #2049, 0144 (453), August 29 UTC
 9955.0 USA WRMI FL heard AWR Wave Scan, edition #601, indian DX Report, Australian DX Report, mail ready Jeff, Richard Canada, France, Zack Philippines, 0318 (453), August 29 UTC
 9955.0 USA WRMI FL heard Viva Miami read from local paper FL, Hurricane Laura and covid 19, 0337 (553), August 29 UTC
 9955.0 USA WRMI FL heard Blues Radio International edition #450, 0139, Chris Cain, 0148 (553), Aug 28 UTC
 11990.0 TAIWAN, Radio Taiwan International signal very weak was there no voice 1700 S 4 signal July 11

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

5995.0 MALI RTV du Mali – Bamako, 2355-2359* Jul 15, man announcer with French language talk followed by nice local vocals until the carrier was terminated. Poor to fair. Noted again on Jul 19 from 0000-0002* with a man announcer with French talk followed by music until the carrier was terminated. Poor.
 6015.0 ENGLAND WBCQ World's Last Chance – Woofferton, 2341-0000* Jul 18, man and woman announcers speaking in the Arabic language. At 2348 the woman announcer gave a WBCQ station ID followed by instrumental music until the carrier was terminated. Poor to fair.
 6050.0 FRANCE R. Algerienne – Issoudun, *0358-0421 Jul 15, tuned in to an open carrier followed by a man announcer with Arabic language talk, instrumental music followed by a woman announcer with an English language station ID for “Radio Algeria”. Another Arabic language station ID by a man announcer followed by the woman again with an English station ID. Qur'an recitations followed.
 6180.0 BRAZIL Radio Nacional da Amazônia, 0117-0152 Aug 4, man announcer with Portuguese language talks hosting a Brazilian pop music program. Fair signal but //11780 was very good.
 7260.0 TURKEY Voice of Turkey – Emirler, 0112-0154* Jul 29, male Turkish vocal selection followed by talk by a woman announcer in the Spanish language. Later an economic program by a man announcer. Later more vocal Turkish selections before several stations IDs and closing announcements before instrumental music ended the broadcast. Fair to good signal.
 9690.0 SPAIN Radio Exterior de Espana – Noblejas, 2157-228 Jul 27, tuned in to Spanish talk before English program opened at top of the hour after time pips and English language station ID. A man announcer hosted a program about flamenco guitar music. Good signal.
 9700.0 NEW ZEALAND Radio New Zealand International – Rangitaiki, 0507-0523 Aug 4, man and woman announcer hosting feature news reports in the English language with time check at 0515 for “It's fifteen minutes past five.” Fair to good signal.
 9800.0 GERMANY Adventist World Radio – Nauen, 2142-2200* Jul 29, talk by a man and woman announcers in listed Twi language with short music segment before another woman announcer gave station ID, contact information and closing announcements. Instrumental music followed until carrier was terminated. Poor.
 9830.0 TURKEY Voice of Turkey – Emirler, 2315-2330* Jul 27, Turkish vocals followed by a woman announcer with German language talk. Station ID at 2329 in various languages including English before the broadcast carrier was terminated. Good signal although program was scheduled to continue for another 30 minutes.
 11530.0 CLANDESTINE Dengê Welat – Issoudun, 2051-2100* Jul 13, man singer with nice Kurdish vocals until the transmission carrier was terminated mid-song without any announcements. Fair to good signal.
 11560.0 INDIA All India Radio – Bangalore, *0202-0225 Jul 29, carrier came on at 0202 followed by familiar IS from 0213. A man announcer in an unidentified language with opening station ID and announcements followed by a Hindi vocal selection. Poor to fair but somewhat noisy.
 11650.0 ROMANIA Radio Romania International – Tiganesti, 2144-2158* Jul 27, woman announcer hosting program in the Spanish Service with closing station ID followed by IS. Fair signal.
 11770.0 NIGERIA Voice of Nigeria – Abuja, 2021-2058* Jul 20, man announcer with long talk in the listed Hausa language. Some portions of audio from this station bomb in but other times the audio is weak despite a strong signal. Light instrumental music before carrier was terminated. Good signal.
 11790.0 FRANCE Adventist World Radio – Issoudun, 2035-2059* Aug 4, woman announcer with long religious talk in the listed Yoruba language. Close-down at 2055 with station ID and postal address in Nigeria as well as local e-mail address

- <AWRNigeria@yahoo.com>. Instrumental music until transmission carrier was terminated.. Fair signal.
- 11810.0 ASCENSION ISLANDS BBC Relay, 2103-2123 Aug 5, man announcer with World News in the English language with nice station ID at 2104 ("This is the latest World News form the BBC"). Fair signal.
- 11860.0 CLANDESTINE Republic Yemen Radio San'a – Jeddah, 2147-2257 Jul 13, man announcer with Arabic language followed by a program of continuous vocals until another man returned at 2254 with brief announcements. They return to music programming at 2256. Poor to fair with periodic loud hash noises.
- 11875.0 OMAN BBC – Al Seela, 0341-0407 Jul 21, man announcer with talk in the listed Farsi language. Various announcements at 0358 followed by station ID. News at 0400 with a woman announcer. Poor to fair.
- 11905.0 SRI LANKA Sri Lanka Broadcasting Corporation – Trincomalee, 0050-0058* Jul 29, male vocal selection with woman announcer with closing announcements in listed Bangla language. Another male vocal selection until carrier was terminated. Poor to fair.
- 15130.0 PHILIPPINES Voice of America – Tinang, 1336-1400* Aug 6, man announcer talking in the listed Mandarin language. Close-down announcements at 1358 with the carrier being terminated at 1400. Poor signal.
- 15555usb USA WJHR Milton, FL, 1626-1737 Aug 4, religious programming in the English language which seemed to go on forever. Fair signal although periodic deep fades.

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

- 171.0 MOROCCO: Radio Medi 1, Nador, Arabic, 26/07 0350. Female voice: 'Radio Medi Un...'. Male voice communication. A song in Arabic language. 25322.
- 650.0 BRAZIL: Radio Bandeirantes (via Radio Difusora), Piracicaba SP, 07/08 1512. Relay of 840 kHz Radio Bandeirantes, São Paulo. Portuguese. At 1515 the traditional time pips from RB. 25552.
- 670.0 ARGENTINA: Radio Mar del Plata, Mar del Plata, Spanish, 31/07 0945. Male communication, 'Camara de Mar del Plata', advs 'Shopping', News. 35543.
- 710.0 ARGENTINA: Radio Diez, Buenos Aires, Spanish, 20/07 0937. Talk by male and female voices, id '..por Radio Diez...'. 35543.
- 730.0 BRAZIL: Rede Aleluia, Juiz de Fora MG, 20/07 0945. Id 'Rede Aleluia...', interview by female voice. Station id: 'ZYL297....'. Portuguese 34533.
- 760.0 BRAZIL: Radio Nereu Ramos, Blumenau SC, 20/07 0952. 'Radio Nereu Ramos, a radio que informa... em breve em FM 88,7'. Portuguese 33543.
- 770.0 BRAZIL: Radio Cultura, Lavras MG, 31/07 0950. Brazilian song, male communication, Advs 'Lavras e região'. 25442.
- 770.0 BRAZIL: Radio Mix, Limeira SP, 31/07 0955. Portuguese 'Bom dia, Mix'. Advs Bairro Boa Vista, Id 'Esta é a Radio Mix, a radio da informação'. 35543.
- 790.0 ARGENTINA: Radio Mitre, Buenos Aires, Spanish, 20/07 0954. Advs, id: 'Radio Mitre'. 33543.
- 820.0 BRAZIL: Radio da Família, São Sebastião do Paraíso MG, 20/07 0957. Id: 'Radio da Família...', advs. Portuguese 23542.
- 830.0 BRAZIL: Radio Cultura, Belo Horizonte MG, 20/07 1000. Advs, Revista Ecológica, ZYL244 Radio Cultura, Belo Horizonte'. Portuguese 34533.
- 850.0 BRAZIL: Radio Clube, Rio Claro SP, 31/07 1001. Portuguese Id 'ZYK644 Radio Clube de Rio Claro'. Advs. 34553.
- 870.0 BRAZIL: Radio São Francisco (t), São Francisco do Sul SC, 20/07 1004. Relaying 840 kHz Radio Bandeirantes SP. Portuguese 34543.
- 970.0 BRAZIL: Radio Piratininga, São João da Boa Vista SP, 31/07 1007. Portuguese 'Você ouve, o Jornal da Manhã, ... São João da Boa Vista'. 23522.
- 980.0 BRAZIL: Radio Nacional, Brasília DF, 20/07 1008. Male voice communication, id 'Radio Nacional, Brasília', News. Portuguese 35553.
- 990.0 BRAZIL: Radio Cultura Regional, Dois Córregos SP, 31/07 1012. Portuguese Advs from Dois Córregos, 'Jornal das Sete, pela Cultura'. Weather report. 24532.
- 990.0 BRAZIL: Radio Contemporânea, Rio de Janeiro RJ, 31/07 1018. Portuguese 'A sua melhor companhia, Radio Contemporânea'. 34533. Better reception in LSB, QRM from 1000 kHz Radio Record, São Paulo.
- 1060.0 BRAZIL: Radio Educadora, Piracicaba SP, 07/08 2040. Male Portuguese communication, Id. 35543.
- 1080.0 PARAGUAY: Radio Monumental, Asunción, Spanish, 26/07 0420. Advs, Farmacenter, Id 'Radio Monumental AM 1080', a Paraguayan style song. 35543.
- 1090.0 BRAZIL: Radio Banda 1, Sarandi PR, 26/07 0325. Portuguese Christian program, id 'Radio Banda Um'. 34543.
- 1090.0 BRAZIL: Radio Bandeirantes, via Radio Cultura (t), Monte Alto SP, 26/07 0330. Portuguese relaying 840 kHz Radio Bandeirantes SP, time pips. 24542.
- 1110.0 BRAZIL: Radio Divino Oleiro, Florianópolis SC, 20/07 1013. Catholic program, id 'Radio Divino Oleiro, Radar 1110, é só notícia...'. Portuguese 34533.
- 1120.0 BRAZIL: Radio Mais, São José dos Pinhais PR, 20/07 1016. Male communication, id 'Radio Mais...'. Portuguese 34553.
- 1130.0 BRAZIL: Radio Nacional, Rio de Janeiro RJ, 07/08 2045. Portuguese News bulletin, commentary, 45554.
- 1140.0 BRAZIL: Radio Difusora, Assis SP, 20/07 1020. News, Covid-19, '...aqui na cidade de Assis'. 33543 .
- 1160.0 BRAZIL: Radio Espírito Santo, Vitória ES, 20/07 1024. Brazilian song, male voice: '... a previsão do tempo na Grande Vitória... Radio Espírito Santo...'. Portuguese 34543.
- 1240.0 BRAZIL: Radio Municipalista, Botucatu SP, 26/07 2340. Id 'ZYK565 Radio Municipalista de Botucatu'. Portuguese advt., Hospital das Clínicas de Botucatu. 34543.
- 1250.0 BRAZIL: Radio Jovem Pan News, Joinville SC, 20/07 1028. Relaying 620 kHz Jovem Pan News, São Paulo. Portuguese 34543.

- 1280.0 BRAZIL: Radio Tupi, Rio de Janeiro RJ, 20/07 1034. 'Tupi Notícia'. Portuguese 35553. MW 1280 kHz from 0900 to 2300 UTC.
- 1300.0 BRAZIL: Radio Deus é Amor, São Paulo SP, 21/07 1910. Portuguese preaching about Jesus' power (male voice). 45554.
- 1300.0 BRAZIL: Radio Sul Fluminense, Barra Mansa RJ, 20/07 1040. Advs 'Loteria do Meia Meia (6 6), Volta Redonda, Hora do Café, Café Jaguarito...'. Portuguese 35433.
- 1480.0 BRAZIL: Radio Arca da Aliança, Joinville SC, 20/07 1044. Male voice: '... Diácono Elias, Radio Arca da Aliança'. Advs: Credi-Coop, 3026-1480 Radio Arca da Aliança'. Portuguese 35433.
- 1560.0 BRAZIL: Radio Clube (t), Mallet PR, 20/07 1049. Brazilian song, time checking, 'Radio Clube'. 24432 .
- 3310.0 BOLIVIA: Radio Mosoj Chaski, Cochabamba, Quechua , 08/08 0020. Talk by male voice, typical song. 35433.
- 3325.0 PAPUA NEW GUINEA: NBC Bougainville (t), Pidgin, 25/07 0920. Communication by female voice. Very hard to understand this language. 15321.
- 4965.0 ZAMBIA: Voice of Hope, Lusaka, 04/08 2015. Songs, Bible Reading, message, Id: 'Voice of Hope'. 35553. Excellent reception until end at 2130. E-mail for reception reports: <reports@voiceofhope.com>
- 5930.0 AUSTRIA: BBC, via Moosbrunn, Dari, 08/08 0030. Male and female voice communication. 35433.
- 5935.0 USA: WWCR Nashville, English, 08/08 0035. Female and male communication. 35433.
- 5945.0 ARMENIA: BBC, via Yerevan, English, 08/08 0039. Talk by female and male voices. 34433.
- 6030.0 ETHIOPIA: Radio Oromiya, Addis Abeba, Afar, 05/08 1932. Male and female communication. 35443.
- 6060.0 IRAN: VoIRI, via Zahedan, 05/08 1945. Male communication, Interview (phone-in). 24432. Tx w/289° Az, to Europe. QRM 6065 kHz Voice of Hope Africa. Better reception in LSB mode.
- 6090.0 ETHIOPIA: Radio Amhara, Addis Abeba, Amharic, 05/08 2005. Typical style instrumental music. Male and female communication. 24442.
- 6110.0 ETHIOPIA: Radio Fana, Addis Adebba, Oromo, 05/08 2020. A typical style song by YL + instrumental. Talk by male voice. 35543.
- 6120.0 JAPAN: NHK World Radio Japan, Ibaragi-Koga, Japanese, 05/08 2025. Talk by male and female voices. Song by YL, + piano. 35543.
- 6050.0 LIBERIA: ELWA, Monrovia, English, 05/08 1940. Christian message by male voice. 25422.
- 6065.0 ZAMBIA: Voice of Hope Africa, via Lusaka, 04/08 2020. // transmission with 4965 kHz. 34543.
- 6150.0 OMAN: BBC, via Al Seela, Arabic, 05/08 2025. Talks by OM and typical song by male singer. 35443.
- 6170.0 ROMANIA: Radio Romania Intl., via Galbeni, English, 05/08 2030. Interval signal, Id by male announcer: 'This is Radio Romania Intl.'. Transmission in English. 25552.
- 7280.0 VIETNAM: Voice of Vietnam, Hanoi, Spanish, 07/08 2119. Talk by male voice, interview (phone-in). 23542. QRM: 7285 Radio China International.
- 7360.0 VATICAN CITY: Radio Vaticana, Sta. Maria di Galeria, Portuguese, 07/05 2113. Religious program, talk about Angola, Id 'Radio Vaticana, programa Africa Global'. 35543.
- 7375.0 IRAN: VoIRI, via Sirjan, Spanish, 07/08 2107. Male and female communication, instrumental music. 25432.
- 7530.0 UZBEKISTAN: Voice of the Martyrs, via Tashkent, Korean, 07/08 2102. Female talks 25533 .
- 7590.0 UZBEKISTAN: North Korea Reform Radio, via Tashkent, Korean, 07/08 2045. Male talks. 25542.
- 9460.0 TURKEY: Voice of Turkey, Emirler, Turkish, 30/07 2045. Male voice communication, song in Turkish by female voice. 35543.
- 9480.0 JAPAN: NHK World Radio Japan, Ibaragi-Koga, Japanese, 30/07 2051. Communication in Japanese by male and female voices. 25432.
- 9765.0 MADAGASCAR: World Christian Broadcasting KNLS, via Mahajanga, Portuguese, 30/07 2105. Portuguese communication, 'Palavra Alegre'. 45554.
- 9650.0 GUINEA: Radio Guinée, Conakry, French, 30/07 2056. Talk by male voice. 'Radio Guinée'. 24332.
- 9655.0 CHINA: (DRM signal) China National Radio 1, via Urumqi, Chinese, 24/07 1135. Male and female talks, instrumental music. S5 - S7. First DRM reception using KiwiSDR , good signal. 35443.
- 9690.0 SPAIN: Radio Exterior de España, Noblejas, Spanish, 30/07 2059. Sport News.35543.
- 9800.0 UK: WBCQ World's Last Chance, via Woofferton, Arabic, 03/08 1920. Preaching by male voice. 35443.
- 9800.0 GERMANY: Adventist World Radio, via Nauen, Pidgin, 30/07 2115. Christian song, mention to AWR, Nigeria, message by male voice. 35553.
- 9845.0 MADAGASCAR: World Christian Broadcasting KNLS, via Mahajanga, Russian, 03/08 1925. Christian message by male voice. 34543
- 9875.0 NORTH KOREA: Voice of Korea, Kujang, English, 03/08 1927. The traditional North Korean songs by choir. 24542.
- 9920.0 THAILAND: Radio Thailand, Udon Thani, English, 03/08 1935. Male communication about Thailand, instrumental music. 35543.
- 9940.0 ESWATINI: TWR Africa, Manzini, Lingala, 03/08 1941. Christian message. Instrumental music. 35553
- 9980.0 USA: WWCR, Nashville, English, 03/08 1947. Male communication, song by YL, 'WWCR'. 25542.
- 11630.0 KUWAIT: Radio Kuwait, Sulaibiyah, Arabic, 19/07 1330. Female communication, a romantic song in English (YL). 35433.
- 12095.0 PHILIPPINES: FEBC Radio, Bocaue, Hmong (?), 19/07 1310. Talk (message?) by female voice, instrumental music, Christian song. 25442.
- 11860.0 SAUDI ARABIA: Republic of Yemen Radio, via Jeddah, Arabic, 19/07 1320. Male communication, songs in Arabic. 35543.
- 15125.0 TAJIKISTAN: Radio Free Asia, Dushanbe, 09/08 1530. Male talks, instrumental music. 25322.
- 15150.0 MADAGASCAR: Radio Tamazuj, via Talata-Volondry, Arabic, 09/08 1520. Interview (phone-in), female communication. 25542.
- 15245.0 NORTH KOREA: Voice of Korea, Kujang, EE, 09/08 1515. Male talks abt international politics. 25542.
- 15255.0 THAILAND: RFE/Radio Liberty, via Udon Thani, Turkmen, 09/08 1508. Male talks, typical music. 35443.

- 15330.0 PHILIPPINES: FEBC, Bocaue, Mon, 09/08 1130. Christian songs, male communication. 35543.
- 15400.0 FRANCE: Radio Tamazuj, via Issoudun, Arabic, 09/08 1503. Male and female communication, 'Africa'. 25422.
- 15476usb ANTARCTICA: Radio Nacional Arcangel San Gabriel, Base Esperanza, Spanish, 08/08 1545. Special 24h transmission (Saturday 1700 UTC to Sunday 1700 UTC), Id 'Radio Nacional', talk abt Argentina, Buenos Aires, Colombia, Estados Unidos, interview. 35543.
- 15575.0 SOUTH KOREA: KBS World Radio, Kimjae, Korean, 09/08 1456. Instrumental music, Talks. 15431.
- 15745.0 MADAGASCAR: NHK World Radio Japan, via Talata-Volondry, Hindi, 09/08 1450. Male talk abt Japan. 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, São Bernardo, SP, Brazil. Icom IC-R8500 + AOR LA400 Indoor Loop & Sony ICF2001D + RGP3 Indoor Ferrite Loop Antenna.
- RL : Richard Lemke, St. Albert, Alberta, Canada. JRC NRD-535 HF with random long wires in the trees.
- SG : Siegbert Gerhard, Frankfurt, Germany. AOR AR 7030 + 5m EMF antenna, Sangean 818 ACS & Degen DE 1103 both with Telescopic ant.

Dear Friends,

Welcome to the August double bumper edition.

Thanks to our contributors for this edition of Logbook,

Ashok Kumar Bose

	<p>QSL CORNER</p> <p>Editor: Dario Gabrielli, Viale della Resistenza 33b, 30031 Dolo (Ve), ITALY eMail: <qsl@wwdxc.de></p>	
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Austria: ORF 1 6155 kHz German service. Full data coloured QSL letter (RÖI form letter of yesteryear) in German received in 10 days (2 days for land mail delivery from Vienna) for report to <oe1.service@orf.at> (HB)



QSL ORF 1, Austria

Denmark: Stig Hartvig Nielsen, operator of World Music Radio [5840, 15805 kHz] and Radio 208 [1440, 5805 kHz], will not verify reception reports via webSDRs. In a recent e-mail he explains his policy, which was shared by for example BCE Luxembourg: "In my opinion it makes no sense to send reception reports using remote SDR receivers. I can check how the reception is in Twente easily myself. And I do rather often. So why tell me something I already know. [certainly a valid point, HJB] Knowing how you received WMR in Nürnberg on your own Grunding Satellit 3400 with its telescopic antenna (if you still have this) would however be interesting for me. [This reference to reports of the 90s shows that SHN does indeed keep a record of reception reports. HJB] DXing and QSLing is, as far as I see it, about making an achievement, catching distant radio stations on your own equipment (the radio you decided for and the aerial you erected) – not using someone's else's equipment in another country." There is quite a variety of approaches to QSLs, even automating them like World's

Last Chance [9330 kHz] does. So this policy is to be respected, and maybe hopeful listener will provide a photo of their equipment used. (HB)

Free Radio / Germany (?): Charleston Radio International via unknown transmitter 5140 kHz. Free Radio service of Charleston music. Full data colour e-QSL-pdf in English on the same day for reception report to: <charlestonradiointernational@yahoo.com>. Verification signed by "Harry Richman". (HB)



Germany: Radio Tirana 3985 kHz via Kall (Germany) German service. Full data colour QSL "Impressionen aus Tirana (K1)", received in 16 days (10 days for delivery) for report to Astrit Ibro <aibro@albaniaonline> (HB)

Skyline Radio Germany, which broadcast on Shortwave Radio Winsen [3975, 6160 kHz] on holidays in 2019 and 2020, will no longer confirm reception reports by e-QSLs. "In future, only snail mail reports with sufficient return postage will be answered with our printed QSL cards. We look forward to your reports and comments to: Skyline Radio Germany, P.O. Box 2702, 6049 ZG

Herten, The Netherlands. (HB)

Texas Radio Shortwave via Channel 292 Rohrbach 6070 kHz. English service. Full data colour e-QSL in English received in 2 days for report to: <texasradiosw@gmail.com> (HB)

VORW Radio International via Channel 292 Rohrbach 6070 kHz. English service. Full data colour e-QSL (png, picture: antenna farm of WRMI Okeechobee) in English in 8 days for report to: <vorwinfo@gmail.com> (HB)

Zambia: Voice of Hope Africa 6065 kHz English service. Full data coloured QSL card (photo of "TCI Model 527 Super High Gain Log-Periodic Antenna") in English. received in 14 days. Card sent by Ray Robinson (Vice President Strategic Communications Group, Global Operations) from the USA, badly damaged for report to <reports@voiceofhope.com>. (HB)

The reporter of this edition of QSL CORNER has been:

HB = Hansjoerg Biener, Nuremberg, Germany

Unfortunately this month we had contributions only from one contributor, most likely caused by the summer period.

Please remember to send a .jpg scan of your QSLs if you can, so that we can show them here.

I would like to remind all contributors to please **include the Service and not Programme section** where you sent your report to, also the postal or email addresses you sent your report to. And please mention also if you sent any return postage e.g. IRC, stamps or money. The typical format should be:

Country & Name of radio station & Frequency in kHz, Type of QSL received e.g. QSL or e-QSL (**NOT SIMPLY "QSL"**), letter, time for the reply in days and any other details that might be useful.

Please remember that the next deadline for your contributions is on **10 October 2020 at 22.00 UTC/GMT**, making sure that we editors can spend some time relaxing with other activities. Wishing everyone happy holidays and health,

Dario

On August 27, 1920, a radio broadcast was made for the first time in Argentina.

RAE Argentina al Mundo has issued a special electronic QSL card in commemoration of that landmark transmission's centennial, which you will find on page 2 of this DX MAGAZINE.

On the card, you can see a "Spica", a very popular model of portable transistor radio receiver used by generations of Argentines.

To receive this eQSL you must send your reception reports to <qslrae@gmail.com>

Below please find some memories of Adrián Korol of former radio stations broadcasting in Spanish on shortwave, showing the value of shortwave radio:

The radio we lived in danger

Marking a century of Argentine broadcasting is a perfect occasion to remember some sounds.

These memories take us back to familiar voices and melodies reaching us through a Noblex Carina receiver, or a Spica receiver, whose leather case had a smell that, just by closing our eyes, we can remember perfectly.

But as it always happens, there is another story behind all of this.

The story of radio used as a political tool. It's the radio of crisis, conflict and war. It's a radio that you don't listen to loudly and in the morning in the kitchen, but you listen to it, hiding in the dark and with headphones.

There is another radio. The radio that we lived in danger.

Whoever wants to hear, let them hear.

The Pirenaica

After the Spanish civil war, an anti-Franco station run by the Communist Party of Spain came on the airwaves: Radio España Independiente, known as "La Pirenaica", since it was implied that its antennas were located somewhere in the Pyrenees. It was on the air for 36 years, between 1941 and 1977. It actually broadcast from the Soviet Union and then from Romania, with antennas always aiming at Spain. There were almost 108,000 propaganda broadcasts whose scripts are stored in more than 3,000 volumes, including thousands of letters that listeners covertly sent to mail addresses located in Western European countries that were constantly changing to avoid reprisals from Franco's dictatorship. La Pirenaica's programs, which were heard at night and at low volume, included speeches by La Pasionaria or Santiago Carrillo, interviews with Rafael Alberti or Joan Manuel Serrat.



The World of Che

It has been a while since Radio El Mundo stopped being what it was. However, back in 1958 one of its journalists, Jorge Ricardo Masetti, traveled to Cuba to interview Fidel Castro and Ernesto Guevara in Sierra amid the revolutionary war. Their voices were practically unknown to the general public until then. Obtaining those interviews was an event of such magnitude that Rodolfo Walsh deemed Masetti's work as the most important feat of Latin American journalism. That material, due to different circumstances, was not transmitted in full because it was lost, so the envoy of Radio El Mundo from Buenos Aires decided to return to Sierra Maestra and redo the interviews, which could then be listened in Argentina and other countries of the continent, especially Cuba via Radio Rebelde, the mythical station founded by Che Guevara that is still on the air.

Chile Listens

On September 11, 1973, one of the best radio soundbites was aired, if not the best: president Salvador Allende's last

speech, aired by Radio Magallanes. The address's transmission, recording, rescue and copying is a cinematic story that demonstrates the importance of studio operators.

That same night, the transmissions of Escucha Chile began. It was a program made by Radio Moscow that, every night, until the last day of the Pinochet dictatorship, brought to Chileans the voice of solidarity. Its audience level was very high and the popularity of "La Mosca" as it was known in Chile was based on the fact that programs covered local current events in detail, despite being broadcast from more than 15000 kilometers away.

One of the best kept secrets to make this possible in times when there was no internet or other technology, was the operation of a clandestine journalistic team operating in Buenos Aires. From a newsroom in the Argentine capital, this group of journalists led by Isidoro Gilbert was the "Buenos Aires Connection" of Escucha Chile, acting as bridge and link, and generating special content for those transmissions coming from the USSR.

The Montoneros in Costa Rica

In 1979, the Montoneros organization decided to set up a SW station in Costa Rica. It was called Radio Noticias del Continente (News of the Continent) and it transmitted with antennas oriented to our country, on the 31-meter band, despite constant intentional jamming by transmitters in Argentine territory. The radio station played a vital role in El Salvador, airing the last mass and immediate murder of Monsignor Arnulfo Romero. It also aided the Sandinista Front in Nicaragua to coordinate actions.

There are numerous declassified documents that indicate how concerned was the Argentine dictatorship with these transmissions. The characteristic ID theme that identified Radio Noticias del Continente was an instrumental version (on guitar) of the Peronist March, performed by musician Adrián Goizueta (son of Oscar Casco, a famous figure of the golden age of Argentine radio). There were two terrorist attacks on the station carried out by Nicaraguan Contras and agents of Argentina's military intelligence. One of the actions was dropping an explosive device from a plane that did not go off. Eventually, the station's broadcast licence was revoked by the Costarican authorities.

Radio Sweden tells us what's going on 15 blocks from home

During the last dictatorship, the claws of censorship reached across the Rio de la Plata all the way to CW1 Radio Colonia in Uruguay, and listeners lost the chance to listen to news that weren't reported back home, voiced by Ariel Delgado, who would use his famous line: THERE IS MORE INFORMATION FOR THIS BULLETIN. And that's where the Noblex 7 Mares and the Tonomac Super Platinum SW receivers come in. Both with their maps and short wave bands so that, just by turning the dial, we could take a tour of the world on radio. And breaking through censorship barriers we could listen to Spanish language radio services, and find Mercedes Sosa on Radio Nederland, or the Mothers of Plaza de Mayo interviewed on Radio France International, or Julio Cortázar writing a radio play at the request of Deutsche Welle, La Voz de Alemania.

We listened to what was going on in our own country, thanks to radio stations in other nations.

Radio Sweden deserves a special mention. Its Latin American Service denounced the constant violations of human rights that were taking place in our country while local radio stations claimed that "Argentines are Right and Humane".

The coverage that Radio Sweden gave to the case of the kidnapped teenager Dagmar Hagelin or the Nobel Peace Prize won by Argentine activist Adolfo Pérez Esquivel was excellent. We also remembered when a journalist from the station, Hernán Bernengo, pretended to be an intelligence agent and called the ESMA concentration camp to speak with repressor Luis D'Imperio, AKA, Abdala.

RAE's director Adrián Korol says he was 14 years old back then, and was a passionate listener of SW stations. "Thanks to broadcasts like this one coming from Stockholm, I found out what was going on a few blocks from my house", Adrián says.

Radio through the fog

The 1982 Malvinas War was the last "radio war". One of the first actions following the Argentine forces' landing was the takeover of radio station FIBS on the night of April 1st and 2nd, which continued to broadcast without interruption. Shortly afterwards and from those same studios LRA60 Radio Nacional Islas Malvinas began broadcasting.

During the conflict the official international services of Argentina (RAE Radiodifusión Argentina al Exterior which was

then directed by Julio Lagos) and the United Kingdom (BBC) fulfilled their role as one would have expected.

But war propaganda stations from both came on the air too. The Argentine one was Liberty, personified by a sensual female voice, whose aim was to demoralize the British public opinion and the troops on their way to our territory. The voice that had to perfect its accent to achieve a pronunciation in British English, was that of journalist Silvia Fernández Barrio. The direction and music programming of Liberty was in charge of Enrique Alejandro Mancini.

For its part, the British Ministry of Defense, seized one of the BBC transmitters on Ascension Island, and put on the air 971 South Atlantic Radio, a propaganda station whose aim was to demoralize Argentine troops that, in any case, hardly had shortwave radio receivers to listen to these signals. The station's speakers pretended to be Argentine, but their accents were clearly from other places, and at times translations were hilarious and bizarre, like recommending the croissants of the "Jardín Florida" (in reference to the well-known Florida Garden bar)

Wherever there is danger there will be a radio broadcasting: like Tokyo Rose in World War II, Radio Venceremos transmitting from a trench in Morazán, El Salvador, or a Radio Free Europe jumping over the Berlin wall, or a record that can only be played by a pirate radio broadcasting from a ship in international waters. These, and many others, are the "radios that we lived in danger"

(Special Thanks to: La Galena del Sur, Javier Zaffora & Daniel Iglesias)

Celebrating 100 years of WWV

WWV History

The WWV story starts shortly after radio experimentation began, and also very soon after the U.S. Congress completed a mandate of the U.S. Constitution and established the National Bureau of Standards (NBS) in 1901.

The celebration in fall 2019 has recognized the issuance of call sign WWV on October 1, 1919 to the NBS, now the National Institute of Standards and Technology, NIST.

There are numerous sites which can give a more thorough and detailed history of radio station WWV than we can put together here.

NIST has published a paper titled "A Century of WWV: 100th Anniversary Commemoration" by WWV Electronics Technician Glenn Nelson, AE0GF, just in time for the 100th celebration. Here is the link to the official NIST release of the paper: <<https://nvlpubs.nist.gov/nistpubs/jres/124/jres.124.025.pdf>>

The following timeline was gleaned from Glenn Nelson's paper:

A brief WWV history . . .

- 1901 - Congress establishes the National Bureau of Standards (NBS), the first national physical laboratory.
- 1905 - First documented radio research by Dr. Louis Austin for the NBS.
- 1908 - US Navy, US Army Signal Corps set up research laboratories at NBS.
- 1912 - Radio Act of 1912, US Dept of Commerce licenses all radio stations, including amateur. NBS is tasked with setting standards to aid enforcement of frequencies.
- 1913 - Creation of the Radio Laboratory Section of the Electricity Division of NBS.
- 1917 - World War One brings about shutting down or taking over all privately-owned amateur equipment and commercial stations; the public is banned from using receivers. Only government and military stations may operate. NBS, Army, Navy conduct joint research.

- 1919, February 26 - Washington Times article about an early radio broadcast demonstration at NBS of broadcasting music from a Victrola several hundred yards to an audience filled auditorium.
- 1919, October 1 - Callsign WWV is assigned by the US Dept of Commerce to the National Bureau of Standards Radio Laboratory. Wartime ban on private amateur radio stations lifted.
- 1920, February - Startled amateurs pick up audio broadcasts from NBS (CW was pretty much it at the time!).
- 1920, May - Friday evening "experimental concerts" thought to be the first scheduled broadcast to a wide audience from WWV.
- 1920, November 2 - KDKA, Pittsburgh, considered first commercial radio station, broadcasts election results.
- 1920 December - 1921 April - US Agriculture market report broadcasts.
- 1920-1923 - Experimental broadcasts, collaboration with ARRL and amateurs for propagation tests, research and development of the quartz crystal oscillator.
- 1923, March 6 - WWV broadcasts frequency standards for the first time.
- 1926 - NBS considers doing away with WWV due to increasing use of crystal oscillators. Public outcry from institutions and amateurs helped convince the NBS to maintain WWV.
- 1927 - Quartz crystal oscillators first used to control WWV frequency.
- 1929 - WWV 100 kHz quartz crystal oscillator frequency standard accurate to 1 part in 107.
- 1931, January - WWV moved to College Park, Maryland.
- 1932, December- WWV moved to Beltsville, Maryland.
- 1934, April - 30 kW on 5 MHz.
- 1935, February - 20 kW on 10 MHz and 15 MHz.
- 1936, August - 440 Hz tone added at the request of several music organizations.
- 1940, November 6 - Fire destroys WWV facilities, but frequency standards survive.
- 1940, November 11 - WWV back on the air with 1 kW on 5 MHz.
- 1943, January - Major upgrades and new WWV building in Beltsville, Md.
- 1944-45 - Begins time transmissions and references in morse code.
- 1946 - Propagation condition broadcasts.
- 1948, November 22 - WWVH begins broadcasting from Maui, Hawaii.
- 1950 - Voice time of day announcements added.
- 1954 - NBS Boulder, CO laboratory opens, National Frequency Standard moved there.
- 1956 - KK2XEI, precursor to WWVB, goes on the air from Boulder on 60 kHz with frequency controlled by a Cesium standard.
- 1960 - WWVL begins 20 kHz broadcast near Boulder.
- 1960 - Time code added to WWV broadcasts advances self-setting radio-controlled clocks.

- 1963 - WWVB and WWVL broadcasts moved to site north of Fort Collins, CO.
- 1966 - WWV moved from Maryland to same site north of Fort Collins, CO.
- 1967 - Frequency and Time Division of NBS formed in Boulder. International agreement establishes the definition of a second as 9,192,631,770 energy transitions of a cesium atom.
- 1971 - Familiar format of WWV introduced.
- 1972 - WWVL retired.
- 1972 - First Leap Second added to the end of June 30.
- 1988 - NBS becomes the National Institute of Standards and Technology (NIST).
- 2000 to present - NIST WWVB enhancements with phase-modulated time code, wide-spread commercial automated clocks, internal upgrades to WWV transmitters, NIST-F1, NIST-F2, and much more.
- 2017, 2018 - Time broadcasts are considered for closure. Public outcry from private and commercial interests is strong; ultimately funding approved, most recently after the end of the government furlough in January 2019.
- 2019, October 1 - WWV, the oldest continuously operating radio station in the world, licensed for 100 years. Special event station WW0WWV commemorates this event for the amateur community.

<<http://www100.com/index.php/history>> via Paul Reinersch

Time May Be Running Out for Millions of Clocks by Steve Herman, Voice of America

WHITE HOUSE - President Donald Trump's administration wants to shut down U.S. government radio stations that announce official time, a service in operation since World War II.

WWV and WWVB in the state of Colorado and WWVH on the island of Kauai in the mid-Pacific state of Hawaii, send out signals that allow millions of clocks and watches to be set either manually or automatically.

WWVB continuously broadcasts digital time codes, using very long electromagnetic waves at a frequency of 60 kilohertz, which are automatically received by timekeeping devices in North America, keeping them accurate to a fraction of a second.

"If you shut down these stations, you turn off all those clocks," said Don Sullivan, who managed the National Institute of Standards and Technology (NIST) stations between 1994 and 2005.

GPS not good enough

Some argue the terrestrial time signal have been rendered obsolete by the government's Global Positioning System, whose satellites also transmit time signals, but users disagree, noting GPS devices must have an unobstructed view of a number of satellites in space to properly function.

"Sixty kilohertz permeates in a way GPS can't," Sullivan told VOA, explaining that WWVB's very low frequency signal can be received inside buildings and it is an important backup to GPS in case adversaries attempt to interfere with the satellite radio-navigation system.

WWV and WWVH broadcast on a number of shortwave frequencies, meaning their signals can be received globally.

The Trump administration proposes, in its Fiscal 2019 budget to Congress, cutting \$26.6 million and 136 jobs from NIST's fundamental measurements, quantum science and measurement dissemination activities.

The budget document acknowledges that in addition to synchronizing clocks and watches, the time signals are also used in appliances, cameras and irrigation controllers.

"It's crazy," Sullivan said of the proposed cut. "It's absolutely insane."

NIST officials say they cannot comment on budget matters. The White House referred questions about NIST's funding to the Office of Management and Budget, which has not responded to an inquiry from VOA.

Oldest continuously operating radio station

WWV, the oldest continuously operating radio station in the United States, first went on the air from Washington in 1919, conducting propagation experiments and playing music. In the early years, it also transmitted - via Morse code - news reports prepared by the Agriculture Department.

The station subsequently was moved to Maryland and then to Colorado in 1966. WWV has been a frequency standard since 1922 and has disseminated official U.S. time since 1944.

All of the NIST stations rely on extremely precise atomic clocks for the accuracy of their time signals.

WWV, at two minutes past every hour, also transmits a 440 hertz note (A above middle C), something it has done since 1936, allowing musicians to tune their pianos and other instruments.

All three stations retain a huge following worldwide, according to Sullivan.

WWV and WWVH broadcasts can also be heard by telephone and about 2,000 calls are received daily, according to NIST. (To listen to the broadcasts by phone, dial +1-303-499-7111 for WWV and +1-808-335-4363 for WWVH.)

The telephone time-of-day service also is used to synchronize clocks and watches, and for the calibration of stopwatches and timers (although slightly less accurate than radio reception).

Tom Kelly, an amateur radio operator in the state of Oregon, has launched a petition to try to save the stations. His goal is to collect 100,000 online signatures from U.S. residents by September 15 that would compel a response from the White House.

Kelly's petition calls the stations "an instrumental part in the telecommunications field, ranging from broadcasting to scientific research and education," noting their transmissions of marine storm warnings, GPS satellite health reports and specific information about solar activity and radio propagation conditions.

Britain, China, Germany, Japan and Russia also have very low frequency time transmissions, but their stations are too distant to automatically set clocks in the United States.

Among other proposed cuts for NIST are its environmental measurement projects measuring the impact of aerosols on pollution and climate change and gas reference materials used by industry to reduce costs of complying with regulations and the Urban Dome research grants for determining how to measure greenhouse gas emissions for cities and across regions.

<<https://www.voanews.com/usa/us-politics/time-may-be-running-out-millions-clocks>>

* * * * *

Vatican Radio's English Africa Programme 1950-2020 by Festus Tarawalie – Vatican City

Vatican Radio's English language broadcasts to Africa began in 1950.

It is now 89 years since Vatican Radio was inaugurated. The first Radio Message was in Latin by Pope Pius XI on 12 February 1931.

The English Programme was launched six years later in 1937 and English language broadcasts to Africa began in 1950. However, it was not until 1979 that the English Africa Service as we know it today, was created out of the English Programme to respond to the changing trends on the continent.

An evening bulletin on shortwave

The English Africa Service began as a shortwave evening broadcast to listeners in the English-speaking countries of Africa, airing mainly news of the Holy See and the Church in western countries. Also included in its programming at that initial stage were lessons of Catechism, the lives of the saints and African proverbs. The programmes were broadcast on shortwave through a giant rotating transmitter at the Santa Maria di Galeria transmission centre in the north-western outskirts of Rome. The FM broadcasts to the diaspora in Italy were instead relayed through an antenna located on top of the Vatican Radio Museum inside Vatican City.

Cassette tapes for Africa

According to Sean Lovett, former head of the English language programme and member of the committee that set up the English Africa Service, the initial programme was the same as the one for Europe, North America and Oceania but with just a few changes to suit the listeners in Africa. There were also pre-recorded programmes sent directly to the faithful on the continent known as (Cassette) Tapes for Africa.

An English Service for Africa with a new vision

Lovett says they gave serious consideration to the following before setting up the service.

“One, understanding what the real issues were that concerned the people in Africa. So, identifying questions like healthcare, justice, peace; the issues that were of concern to people who were listening in Africa. The second challenge was to overturn that colonialist, European vision of Africa as a continent where only bad things happen and try to create a new vision of Africa, a positive vision of Africa as a place that can serve as an example to the rest of the world in so many things,” explained Lovett.

KiSwahili Gospel readings on the English Africa Service (1993)

In 1993, the English Africa Service started daily broadcasts of the day’s Gospel readings in KiSwahili (Swahili), a Bantu language and lingua franca in eastern Africa. A year later, it became an established language programme of Vatican Radio under the English Africa Service. KiSwahili is widely spoken in Tanzania and Kenya and some regions of Uganda, Burundi, Rwanda, the Democratic Republic of Congo and Mozambique. An estimated 120 million people, if not more, speak or understand KiSwahili.

Short-lived Hausa Service

Another important milestone in the history of the English Africa Service - though short-lived - was the creation in 2002 of daily broadcasts in Hausa, a Chadic language spoken by approximately between 100 – 150 million people. Historically, it is considered a lingua franca across much of Western Africa. The 15-minute programme was centred on Christian formation and was transmitted at 9 am Rome time, immediately after the traditional English Africa Service programme. The programme in Hausa was a joint production by Vatican Radio staff in collaboration with the then Centre of Social Communications of Kaduna, in Nigeria.

First African Synod and a new format

The current half-hour daily broadcast of English Africa took its format in 1995, a year after the first African Synod. The format covers a wide range of themes recommended in the apostolic exhortation, *Ecclesia in Africa* (The Church in Africa) of Pope St. John Paul II in 1995. Further elements were introduced after the publication of *Africae Munus* (The Commitment of Africa) by Pope emeritus Benedict XVI after the 2009 Second African Synod.

So, apart from news about the Holy Father, activities of the Holy See and the Church in the world, the English Africa daily programme has features and segments dedicated to the life of the Church in Africa, issues of justice, peace, reconciliation, development, culture and the role of young people in the Church and society, all tailored to respond to the challenges facing the continent. Added to these is a daily round-up of news on the socio-political happenings in Africa that we call, Africa News Panorama.

Dawn of digital era

In 2017, our daily broadcast for listeners in Rome was moved from the FM platform to Digital Radio DAB+. Moreover, our shortwave broadcasts to Africa are now relayed from a transmission station in Madagascar.

Website articles on contemporary African Church news

The changing pattern in the broadcast media and the impact social media is having on the way we communicate has warranted a shift to some form of convergence journalism. So, apart from our traditional channels, we now publish website articles on some of the contemporary Church stories making news on the continent. This amplifies the voices and views of the Church in Africa. It has been an important development because it seals the communication process as two-way from the universal Church and the other way round.

The daily podcast

Our daily programme can be downloaded and listened to at any time of the day from the podcast section of our portal www.vaticannews.va. We also have a presence on Facebook through the English programme's fb page.

English Africa Service re-transmitted on Catholic FM Radios

Meanwhile, on the continent of Africa, about 40 Catholic radio stations, in addition to radio stations of the Radio Maria Network, retransmit our daily programme in English. This ensures that we reach millions who do not have shortwave radio sets or places where the shortwave signal is weak.

Most of the Catholic radio stations that re-transmit our programmes are owned by various African Catholic dioceses, parishes, religious congregations and some by the Radio Maria network.

A request to send the programme through WhatsApp is being considered.

Staff

The nucleus staff of the English Africa Service comprises four persons originally from Sierra Leone, Uganda and Zambia, along with two colleagues from Tanzania for the KiSwahili language programme. However, we have several collaborators, correspondents, friends and stringers, and Bishops' Conference personnel who constantly update us with news and information on the African continent. Then there are the students of Rome's Pontifical Universities - priests, nuns, seminarians, lay-persons who regularly work with us.

On a yearly basis, we receive on average between three to four or more students who come for a period of Internship with either the English Africa Service or our KiSwahili programme.

Growing our network in Africa

As we look to the future, the greatest challenge for the Africa Service, in general, is how to create a network of those radio stations and dioceses in Africa for feedback and further exchange of news on the activities of the Church. We always welcome feedback, suggestions and proposals at these emails: [<inglese.africa@spc.va>](mailto:inglese.africa@spc.va) or [<paul.samasumo@spc.va>](mailto:paul.samasumo@spc.va)

(<https://www.vaticannews.va/en/africa/news/2020-07/vatican-radio-s-english-african-programme-1950-2020.html>) via Hansjörg Biener)

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RADIO IN VANUATU - SOUTH PACIFIC by Dr. Adrian M. Peterson

American Radio Station on Vanuatu Island in the South Pacific

The island of Espiritu Santo is the largest island in the now independent South Pacific island nation of Vanuatu, or the condominium French and English colony of the New Hebrides, as it was known during its colonial era. The island is almost square in shape, with two long fingerlike peninsulas jutting out from the northwest side of the square.

The total area of the island is 1,500 square miles, with a population of 40,000 people who are fluent in their own local language, and also in either French or English. Espiritu Santo is the only habitat for a rare bird known as the Santo Mountain Starling, which is found only in the cloud forest areas. For a few months back in the 1980s, the island of Espiritu Santo declared an unsuccessful independence from Vanuatu.

The main town on the island is Luganville, the second largest town in Vanuatu. Luganville was laid out by the American forces during World War II, and the main street was planned so wide that four army tanks could travel abreast over its full length.

The first contingent of American service personnel arrived on Espiritu Santo on April 8, 1942, an advance survey party of 500 personnel who made preparation for several American bases on the island. Additional American forces began to arrive on February 3 of the following year (1943), and at the height of their occupation there were half a million American personnel on the island.

On August 4, 1944, the first radio broadcasting station in the New Hebrides (Vanuatu) was opened at Luganville on Espiritu Santo Island with 1 kW on 1045 kHz. Very soon afterwards, this new mediumwave radio station in the South Pacific was heard in New Zealand, and then in Australia. Due to a salt water pathway, this little 1 kW station on the mediumwave split channel 1045 kHz in the New Hebrides was heard quite regularly during the hours of darkness in both New Zealand and Australia, one thousand miles away.

Initially, this new American radio station identified on air as the Voice of the New Hebrides, and also as AES, American Expeditionary Station, and AEF American Expeditionary Forces. However, at the time when this station was inaugurated, regular American callsigns were being allocated to all of the American stations in the Pacific, so the station on Espiritu Santo became WVUR, the American Forces Radio Service.

AFRS WVUR was a member station of the loosely applied Mosquito Network, which had its headquarters with the AFRS station WVUS at Noumea, New Caledonia. In November 1944, the AFRS stations in the Mosquito Network participated in a genuine network radio event, by rebroadcasting off-air the mediumwave signal from WVUS Noumea which was operating on another split channel, 975 kHz. Three other Mosquito Network stations successfully carried this relay programming from WVUS Noumea, and these were: WVUQ Guadalcanal, 1ZM Auckland, New Zealand, and WVUR in the New Hebrides.

AFRS station WVUR on Espiritu Santo was closed on February 14, 1946. The Pacific War was over, and large numbers of the American forces had moved on, and some had even gone home. However, that was not the end of AFRS WVUR.

The station was taken over as it was by the American air force, though it was no longer part of the Mosquito Network. For another three months, this station was still on the air, and it was consistently heard in both New Zealand and Australia. After that, it was indeed silenced forever.

Just a very few international radio monitors living in New Zealand and Australia were successful in receiving a QSL from WVUR Espiritu Santo, in the form no doubt of a letter typed out on an old manual typewriter, perhaps even in hunt and peck style.

(Wavescan N581, April 12, 2020)

Vois Blong Yumi/Vanuatu on Shortwave

The first government radio broadcasting service in the New Hebrides/Vanuatu, Radio Vila, was inaugurated at Malapoa on Efate Island with a series of test transmissions in August 1961. The studios were installed in the Malapoa College, and the nearby shortwave transmitters were already on the air for inter-island and international radio communication.

The location for the shortwave transmitters is listed as Malapoa, which is an outer suburban area of Port Vila, the capital city. However, the geographic coordinates for the shortwave transmitters as given in the WR(TV)HB and in the shortwave listings in the Transmitter Document Project by Ludo Maes, indicate a location near the east coast of the island of Efate. This listed east coast location would seem to be a mistake; it is known that the shortwave transmitters for the communication station Vila Radio were located at Malapoa, quite near to Port Vila.

During the first era at Malapoa (1961-1971), the part-time usage of the shortwave communication transmitters provided radio program coverage to all islands in the New Hebrides. During the second era at Malapoa (1971-1994), two Australian-made shortwave transmitters were in use specifically for the broadcast of radio programming. A 2 kW AWA transmitter was installed in 1971, and a 10 kW TBC transmitter was installed eight years later, in 1979.

Then, during the year 1994, a new transmitter station for Vanuatu Radio, or Vois Blong Yumi as it is identified in the official Bislama language, was constructed on a vacant area of vegetation at the southern end of the small Emten Lagoon, a short distance southeast from Port Vila. The 10 kW TBC transmitter at the old Malapoa location was removed and reinstalled at the new Emten Lagoon station, together with a new twin-channel 10 kW Energy Omnix transmitter from Hudson Bay in New York in the United States.

However, four years later the station was off the air due to the harsh tropical weather and the shortage of spare parts. Some repairs were made, and the transmitters were reactivated, though soon afterwards the two STL (program feed) transmitters at the studio building malfunctioned. An attempt was made to feed the twin program service to the transmitters via two low-powered FM transmitters, but this was not very successful either.

That was the first era at Emten Lagoon, running from 1994 to 2008; and at that stage, the old equipment was refurbished, and new equipment was installed, including a new antenna system. Test broadcasts at half power were noted in Australia, New Zealand, the United States and Europe.

Fast forward five years to 2015, and on March 12 the onslaught of Cyclone Pam began. On Friday the 13th, the high velocity winds and storm surges knocked out all electrical and electronic circuits, which resulted in a total communication blackout throughout Vanuatu.

Government officials installed a temporary low-power FM station in the Met Office, though this facility provided radio coverage only in the capital city area, Port Vila. However shortwave programming from Radio Australia, Radio New Zealand International, and the nearby Solomon Islands Broadcasting Service provided a needed flow of information to listeners in Vanuatu. (The shortwave service from Radio Australia was closed two years later, 2017.)

A few days later, after the cyclone passed on to the southeast, the electricity distribution system and the programming service from Vois Blong Yumi were all back in service again. A few months later, the Prime Minister of Vanuatu made a call to the people of his island nation, urging that a reliable radio service must be installed. That was the second era for the transmitter facility at Emten Lagoon (2009-2016.)

As a result and with assistance from foreign aid, two new transmitters at 10 kW each were installed at the Emten Lagoon transmitter station, a mediumwave Nautel from Canada and a shortwave Hanjin from South Korea. These two new senders were officially inaugurated on December 16 last year (2019) on 1125 kHz and on 5040 kHz. That was the beginning of the third era for Radio Vanuatu at Emten Lagoon.

Would you know it, less than three months later (April 2020), another massive windstorm, Cyclone Harold, hit Vanuatu, and once again the station was damaged and disabled. Since then, the Emten Lagoon radio station has again been repaired and reactivated. It is on the air again these days, though, interestingly, three harmonics from the 10 kW Hanjin transmitter on 3945 kHz have been noted widely throughout the world. These harmonic emanations have been noted on 7890 kHz, 11835 kHz, and 15780 kHz.

An Assessment Survey published in March 2015 stated that Vanuatu is considered to be the world's most vulnerable country due to natural hazards: cyclone, tsunami, oceanic storm surge, coastal flooding, river flooding, climatic changes, temperature extremes, drought, rising sea level, landslides, volcanic eruption, and earthquake.

(**Wavescan N587, May 24, 2020**)

The Mediumwave and FM Radio Scene in South Pacific Vanuatu

Back during the era of the Pacific War in the middle of last century, the islanders in the New Hebrides discovered the usefulness of radio for information and entertainment. There were even occasions when small groups of village people crowded around a radio receiver that was tuned to the American Forces Radio Station WVUR at Luganville on the island of Espiritu Santo.

After the war, radio listening in various areas of the New Hebrides continued to increase due to the improving availability of radio receivers in the New Hebrides, and the installation of radio broadcasting stations (mediumwave and shortwave) in other islands of the South Pacific. Then with the flood of the new cheap transistor radios from Japan in the late 1950s, the reception of radio signals from afar became increasingly popular in the New Hebrides.

Shortwave stations that were popular among the educated and prosperous islanders in the New Hebrides back then were Radio Australia, Radio New Zealand (International), and the stations that were located in Suva, Fiji, the Solomon Islands, Papua New Guinea and New Caledonia.

There were occasions when the growing network of Teleradio low power communication stations (15 watts on 6900 kHz) on the various islands of the New Hebrides presented in brief what we might call radio programming. However, the New Hebrides needed their own broadcasting stations, and somewhere around the year 1960, three enterprising Frenchmen in Port Vila took a novel approach to this matter.

A new radio program was prepared by this threesome; successful businessman Pierre Bourgeois, prominent political leader Georges Milne, and the influential Catholic Priest Zerger. As they travelled the islands, they recorded local news, local music and interesting traditional stories in both French and the local languages.

Back in Port Vila, these village recordings were then assembled into a short radio program, using reel-to-reel tape. Each radio program, lasting from ten to fifteen minutes, was then forwarded to Radio Noumea in nearby New Caledonia, where they were broadcast on Wednesday evenings back to the New Hebrides on mediumwave and shortwave. (The WR(TV)HB editions for both 1961 and 1962 list a Folklore Music program from Radio Noumea at 6:15 pm, though on Thursdays, not Wednesdays.)

A theme song for this locally assembled radio program was written and sung by a village musician whose home, and language, was on the island of Ifira, in Port Vila Bay. The words tell the story, like in a parable, of a group of crabs on a sandy beach putting their arms around each other and forming a circle. This theme song, in the Ifira language, was called Kavelicolico, and the program became known as Radio Kavelicolico.

Radio Vila in the New Hebrides was on the air only on shortwave for ten years before the first mediumwave transmitter was inaugurated. It is understood that the first mediumwave transmitter on the air in Vanuatu was a small temporary (and therefore probably quite informal) unit in Port Vila that was installed by the Australian Radio Engineer Ken Munyard.

The first reference in WR(TV)HB for a government mediumwave station in Vanuatu is in the 1975 edition, and the station is listed as Radio Vila under the callsign YJB with 1 kW on 1420 kHz in Malapoa, near the national capital, Port Vila. Subsequent frequencies have been 1422 kHz and 1125 kHz, and subsequent power levels have been 2 kW and 10 kW. Mediumwave station YJB was transferred from Malapoa to Emten Lagoon in 1995.

A regional mediumwave station was established near the St. Michel Mission Station, three miles southwest of Luganville, on Espiritu Santo Island, also in 1995. This station was listed with 2 kW, and subsequently with 10 kW, on 1179 kHz, and programming was generally a relay from Radio Vanuatu at Emten Lagoon, Port Vila. Though off the air at present due to cyclones and technical problems, attempts are underway to reactivate this Luganville station.

Over the years there have been suggestions for installing additional mediumwave stations throughout Vanuatu in an endeavor to provide satisfactory radio coverage of all 82 islands. Half a dozen of the larger islands have been suggested as suitable locations, though thus far mediumwave stations have been installed on only two of these islands; capital city island Efate, and the largest island, Espiritu Santo.

The first FM station in Vanuatu was installed by the aforementioned Ken Maynard, and this was a small informal 5 watt unit in his home in Port Vila, with the antenna attached to the top of the neighboring water tower. The first official FM station, with 15 watts on 98 MHz, was inaugurated in Port Vila in 1982. Since then, nearly a dozen additional FM stations (government, political, commercial, religious and community) have been installed on more than half a dozen islands.

Six of these FM stations have been installed as satellite relay stations with programming on behalf of major world government organizations. Just as a matter of international interest, we list these foreign FM relay stations:

BBC World Service	Port Vila	Efate Is.	99 MHz	250 watts
BBC World Service	Luganville	Esp. Santo	99 MHz	250 watts
Radio France International	Port Vila	Efate Is.	100 MHz	200 watts
Radio Australia	Port Vila	Efate Is.	103MHz	200 watts
China Radio International	Port Vila	Efate Is.	102 MHz	
China Radio International	Lakatoro	Malakula	106 MHz	

(Wavescan N590, June 14, 2020)

Hörfahrplan Deutsch

Stand: 28. August 2020

Alle Zeiten in UTC (Weltzeit), also MESZ (Mittleuropäische Sommerzeit) minus 2 Stunden / Time is always UTC.

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

Zeit (UTC)	Station, Programm	Frequenzen, Tag, Standort
..... 00:00		
0000-2400	„Funklust“ (ex biteXpress)	15785**/Erlangen,
..... 01:00		
..... 02:00		
..... 03:00		
0300-0400	WLC R	6195 #
..... 04:00		
0400-0600	R HCJB	3995/Wee
0425-0430	Lutherische Stunde	3995/Wee
..... 05:00		
0500-0620	ORF 1 Wien	6155; Sa/So -0610
0500-0700	CRI Beijing	17615/Ur, 17720/Kash
0503-0530	MW Heukelbach	3995/Wee, 5920/Wee
..... 06:00		
0600-0628	R Rumänien Int.	7325*, 9700
0600-0630	DWD	alt 5905/PIN, 6180/PIN
0600-0800	R HCJB	3995/Wee, 5920/Wee
0600-0800	R Belarus	6005/Eifel
0600-1800	R Marabu	6150/R Europa 24 Plan: -20:00
0600-2400	„Channel 292“	6070/ROW (Plan) inkl. Relais / + E/Holl
..... 07:00		
0720-0730	R Bukarest	603, 909, 1197, 1314, 1593; So

..... 08:00		
0800-0900	RAE	6005/Eifel; Di-Sa
0800-0900	Welle 370	6140/OE; 1. So
0800-0900	R Ukraine	6005/Eifel
0800-1000	R Pecs	873, 1188
0800-1000	R Mi Amigo	6085/Eifel ; Fr
0800-1300	R HCJB	3995/Wee, 5920/Wee, 7365/Wee
..... 09:00		
0900-1000	R DARC	6070/OE, 9670/ROW; So
0900-0930	DP07	6005/Eifel
..... 10:00		
1000-1027	R Slowakei Int.	6005/Eifel
1000-1100	R Joystick	7330/OE; 1. So
1000-1100	R Temesvar	630
1030-1100	Ev. Missionsgem.	6055/N; Sa+So
1030-1100	SRF Rendez-Vous	6005/Eifel ; Mo-Fr
..... 11:00		
1100-1200	R Bukarest	603, 909, 1197, 1314, 1593; Mo-Sa
1130-1225	TRT Ankara	13760
..... 12:00		
1200-1230	DWD	alt 5905/PIN, 6180/PIN
1230-1300	DP07	6005/Eifel
..... 13:00		
1300-1327	R Slowakei Int.	6005/Eifel
1300-1600	R HCJB	3995/Wee, 5920/Wee
..... 14:00		
1400-1455	R Rumänien Int.	7355, 9600
..... 15:00		
1500-1600	R DARC	6070/ROW, 9670/ROW; Mo
1530-1600	MW Heukelbach	3995/Wee, 5920/Wee
..... 16:00		
1600-1630	DWD	alt 5905/PIN, 6180/PIN
1600-1700	RAE	7780/FL ; Mo-Fr
1600-1655	St. Koreas, Py.	9425, 12015
1600-1700	SRF Echo der Zeit	3985/Eifel
1600-1800	CRI Beijing	7380/Be, 11725/Xi
1600-0300	R HCJB	3995/Wee (multi)

1630-1700	R HCJB	3995/Wee, 5920/Wee (Mennonitenplatt)
1630-1700	Polskie R	1386/LTU
1645-1700	DP 07	6005/Eifel
..... 17:00		
1700-1730	R Prag Int	3985/Eifel
1720-1820	IRIB Teheran	7300
1730-1800	R Tirana	3985/Eifel
1730-1825	TRT Ankara	9840
..... 18:00		
1800-1827	R Slowakei Int.	3985/Eifel
1800-1855	St. Koreas Py.	9425, 12015
1800-1900	St. Indonesiens	3325 (Ostasien)
1800-1900	R Mi Amigo	6085/Eifel ; Mo
1800-1900	R Neumarkt	1197, 1323, 1593; Mo-Sa
1800-1900	R Rumänien Int.	6090*, 9570
1800-2000	CRI Beijing	7395/Kash, 11650/Ur , 11775/Kash
1830-1850	RT Tunis	963 (NAF)
1830-1900	St Vietnams	7280, 9730
..... 19:00		
1900-1930	R Taiwan Int.	5900/BUL
1900-1955	St. Koreas, Py.	9425, 12015
1900-2000	R Kairo	9570 #
1900-1957	WBCQ	9330
..... 20:00		
2000-2015	R Thailand	9920 (alt: 7495)
2000-2030	DWD	alt 5905/PIN, 6180/PIN
2000-2030	St Vietnams	7280, 9730
2000-2100	KBS World	3955/Wof
2000-2200	R Pecs	873, 1188
2010-2030	R Vatikan	3985/Eifel
2030-2100	SRF «Das war der Tag»	3985/Eifel
..... 21:00		
2100-2200	RAE Buenos Aires	7780/FL # Sa, So 15345 ##; Mo-Fr
..... 22:00		
..... 23:00		
.....		

**Zeitangaben in UTC = Mitteleuropäische Sommerzeit
(MESZ) minus 2 Stunden /
Time is UTC = MEST minus 2 hours**

Abkürzungen / abbreviations:

bei Station:

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

Senderstandorte bei Frequenz / transmitter sites:

ALB = Albanien, ARM = Armenien, Be = Beijing, BUL = Bulgarien, Eifel = Kall (DL), Kash = Kashgar / China, N = Nauen (DL), OE = Moosbrunn / Österreich, PIN = Pinneberg (DL), ROW = Rohrbach Waal (DL), Ur = Urumchi / China, Wee = Weenermoor (DL), Wof = Woofferton / GB, Xi = Xian / China.

Technischer Hinweis bei Frequenz:

/USB = oberes Seitenband, /LSB = unteres Seitenband,
/v = variabel, (multi) verschiedene. Sprachen und Anbieter
= meist schwieriger Empfang
bzw. gelegentlicher Senderausfall,
= derzeit inaktiv
alt = alternativ
x Frequenzänderung möglich
* = digitale Sendungen (DRM),
LP / ** mit geringer Sendeleistung
(DRM-Empfang nur mit geeigneten Empfängern möglich)

Es sind nur KW bzw. MW-Sendungen gelistet.

Die Auflistung erhebt keinen Anspruch auf Vollständigkeit, alle Angaben erfolgen nach bestem Wissen und ohne Gewähr. Einige Sendungen sind auch außerhalb der eigentlichen Zielgebiete hörbar. Kurzfristig sind Änderungen möglich, um z.B. störenden Stationen auszuweichen. Mittelwellensendungen sind stets für die Region gedacht. Kleinsender in DL (max 100 W ERP) sind auf www.am-radio-stations.de gelistet. www.plattenkiste.radio (Österreich)
Es gibt noch eine Reihe lokaler Sender außerhalb Europas mit teils geringer Leistung (z.B. in den USA, Kanada, Brasilien, Australien) die stundenweise deutschsprachige Programme ausstrahlen.

Die Sendeperiode A20 dauert bis 24. Oktober 2020.

Aktuelle Hinweise auf Änderungen und Ergänzungen sind stets willkommen an:

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SWL / Media Programs in English, German & Spanish

March 29, 2020 – October 24, 2020 – V4 As of May 30, 2020

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

2nd Figures behind language symbols En, Ge or Sp, indicate weeks of the month. Times and days in UTC.

STL – Satellite transmission. drm = DRM – digital mode

Monday

0000 WBCQ, E, "Radio Timtron Worldwide" – 5130v or 6160v
0000 WRMI, Sp, La Rosa de Tokio – 7730
0009 RHC Habana, E, "DXers Unlimited" – 6000 6145 NoAM
0040 RRI Bucharest, E, "Listeners Letterbox" – 6040 7375
0045 WRMI, E, "Viva Miami" – 9955
0100 WRMI, E, AWR Wavescan – 7780
0109 RHC Habana, E, "DXers Unlimited" – 6000 6145 NoAM
0130 WRMI, E, World of Radio – 7780
0130 WRN NoAM, AF/AS, PAC WoRadio, Sky Channel E
0130 WRMI, E, AWR Wavescan – 9955
0132 BBCWS E, "Digital Planet" – DAB UK, 1413oma NE / ME
0135 RHC Habana, Sp, "En Contacto" – 5040 6060 9535
9640 11670 11760 11800 13740 15230 NoAM/LatAM
0200 WRMI, E, AWR Wavescan – 5950 9395
0200 RRI Bucharest, Sp – 7375 9510 9700 11945
0209 RHC Habana, E, "DXers Unlimited" – 6000 6145 NoAM
0230 WRMI, E, World of Radio – 7780
0230 WBCQ, Sp, Frecuencia al Dia – 7490
0300 WBCQ, E, "World of Radio" via Area 51 – 5130v or 6160v
0300 WRMI, E, AWR Wavescan – 5800
0309 RHC Habana, E, "DXers Unlimited" – 6000 6145 NoAM
0330 WRMI, E, AWR Wavescan – 5985
0330 WRMI, E, World of Radio – 9955
0330 WBCQ, E, Hobart R Internat via Area 51 – 5130v or 6160v
0340 RRI Bucharest, E, "Listeners Letterbox" –
7375 9740-drm 9850 11825
0409 RHC Habana, E, "DXers Unlimited" –
6000 6060 6100 6145 NoAM
0509 RHC Habana, E, "DXers Unlimited" – vary 0523 UTC
5040irr 6000 6060 6100 6145 NoAM
0609 RHC Habana, E, "DXers Unlimited" – vary 0623 UTC
5040irr 6000irr. 6145 NoAM
0612 RRI Bucharest, G, Mailbox – 7325-drm 9700
0800 WRMI, E, AWR Wavescan – 5850 5950Mons_only 7730
0900 Unique Radio NSW, World of Radio – 3210-usb
1000 WRMI, Sp, La Rosa de Tokio – 5950
1030 AIR Delhi, E, "Faithfully Yours" 603drms 1053 7270
13605 13695 15410 15770 17895
1140 RRI Bucharest, E, "Listeners Letterbox" –
13750 15130 15320 17670
1315 WRMI, E, AWR Wavescan – 9955
1335 DeutschlandFunk Cologne, G, Medias-res

1345 WRMI, E, "Viva Miami" – 9955
1435 AIR Delhi, E, "Faithfully Yours" – 9690
1500 DARC Radio, via ch292 Rohrbach Germany, G – 6070
1500 KVOH Voice of Hope, Sp, Frecuencia al Dia – 17775
1600 WRMI, E, "Viva Miami" – 5950
1615 WRMI, G, "RAE Buenos Aires DX" – 7780
1740 RRI Bucharest, E, "Listeners Letterbox" –
9760-drm 11850
1802 IRRS via Kostinbrod-BUL, E, World of Radio – 7290
1900 DARC Radio, via ch292 Rohrbach Germany, G – 6070
1930 AIR Delhi, E, "Faithfully Yours" alternate weeks –
7550-drm 9445 9950 11620
2000 WRMI, Russian/Sp, "Radio Panorama" – 7780
2100 WWCR Nashville, Sp, Frecuencia al Dia – 6115
2100 WRMI, Sp, La Rosa de Tokio – 7780 9955
2130 WRMI, Sp, La Rosa de Tokio – 7780 9955
2200 WRMI, E, AWR Wavescan – 9955
2215 AIR Delhi, E, "Faithfully Yours" alternate weeks –
7550drms 9445 9950 11740
2240 RRI Bucharest, E, "Listeners Letterbox" –
5945 7310 7325 9790

Tuesday

0015 AIR Delhi, E, "Faithfully Yours" alternate weeks –
7550-drm 9445
0030 WRMI, E, AWR Wavescan – 7730
0040 RRI Bucharest, E, "Listeners Letterbox" –
6040 7375
0100 WRMI, E, World of Radio – 7780
0100 WRMI, E, RAE "ARG DXers Special" – 9395
0130 WRMI, E, AWR Wavescan – 5010 7780
0130 WRMI, Sp, Frecuencia al Dia – 9955
0300 WRMI, E, "Australian DX Report" – 9955
0315 WRMI, E, "Viva Miami" – 9955
0330 WRMI, E, AWR Wavescan – 5985 9955
0340 RRI Bucharest, E, "Listeners Letterbox" –
7375 9740-drm 9850 11825
1030 WRMI, It, Studio DX – 5950
1140 RRI Bucharest, E, "DX Mailbag" –
13750 15130 15320 17670
1330 WRMI, E, "Viva Miami" – 9955
1335 DeutschlandFunk Cologne, G, Medias-res
1620 WRMI, G, "RAE Buenos Aires DX" – 7780
1740 RRI Bucharest, E, "DX Mailbag" – 9760-drm 11850
1830 IRRS via Kostinbrod-BUL, E, "AWR Wavescan" – 7290
1900 RRI Bucharest, Sp – 9610 11850 [not13810]
1925 RHC Habana, E, "DXers Unlimited" – 15140 NoAM
1932 BBCWS E, "Digital Planet" – DAB UK
1413oma NE / ME
6155sao 6195uae 7265mdg 7445mdg
11810wof 12095asc
1937 RHC Habana, E, "Mailbag" – 15140 NoAM
2100 WRMI, E, AWR Wavescan – 7780
2100 RRI Bucharest, Sp – 9710-drm 11650 [not13810]
2130 WRMI, E, World of Radio – 7780
2130 WBCQ, Sp, Frecuencia al Dia – 7490
2145 WRMI, E, "Viva Miami" – 9955
2240 RRI Bucharest, E, "DX Mailbag" –
5945 7310 7325 9790-drm

2300 RRI Bucharest, Sp – 9700 9760 11700 11800
2325 RHC Habana, E, "DXers Unlimited" – 5040 USA/CAN
2325 RHC Habana, E, "DXers Unlimited" – 7380 AF
2337 RHC Habana, E, "Mailbag" – 5040 USA/CAN
2337 RHC Habana, E, "Mailbag" – 7380 AF

Wednesday

0025 RHC Habana, E, "DXers Unlimited" – 6000 6145 NoAM
0030 WRMI, It, Studio DX – 9955
0040 RRI Bucharest, E, "DX Mailbag" – 6040 7375
0100 WRMI, E, AWR Wavescan – 9955
0100-0130 WBCQ, E, Amateur Radio Roundtable –
5130v or 6160v
0100 WRMI, Sp, La Rosa de Tokio – 7780
0125 RHC Habana, E, "DXers Unlimited" – 6000 6145 NoAM
0130 WRMI, Sp, La Rosa de Tokio – 7780
0132 BBCWS E, "Digital Planet" – DAB UK, 198LW
5970oma 12095oma
0137 RHC Habana, E, "Mailbag" – 6000 6145 NoAM
0200 WTWW, E, "QSO Radio Show" by Ted Randall, – 5085
0200 RRI Bucharest, Sp – 7375 9510 9700 11945
0225 RHC Habana, E, DXers Unlimited – 6000 6145 NoAM
0247 RHC Habana, E, "Mailbag" – 6000 6145 NoAM
0300 WTWW, E, "QSO Radio Show" by Ted Randall, – 5085
0300 WBCQ, E, Amateur Radio Roundtable – 5130v or 6160v
0300 WRMI, E, "Viva Miami" – 9955
0325 RHC Habana, E, DXers Unlimited – 6000 6145 NoAM
0337 RHC Habana, E, "Mailbag" – 6000 6145 NoAM
0340 RRI Bucharest, E, "DX Mailbag" –
7375 9740-drm 9850 11825
0425 RHC Habana, E, "DXers Unlimited" – 0437 "Mailbag"
6000 6060 6100 6145 NoAM
0525 RHC Habana, E, "DXers Unlimited" – 0537 "Mailbag"
5040irr 6000 6060 6100 6145 NoAM
0625 RHC Habana, E, "DXers Unlimited" – 0637 "Mailbag"
5040irr 6000irr. 6145 NoAM
0632 BBCWS E, "Digital Planet" – DAB UK, 6005asc 7345asc
9410sao 12015smg 13580mdg 13660wof 15400mdg AF
1000 WRMI, E, AWR Wavescan – 5950
1030 WRMI, E, World of Radio – 5950
1232 BBCWS E, "Digital Planet" – DAB UK
12065oma 15145sng 115310sng AS ME
1300 WRMI, Sp, "Antena DX" – 9955
1330 WRMI, E, "Australian DX Report" – 9955
1335 DeutschlandFunk Cologne, G, Medias-res
1345 WRMI, E, "Viva Miami" – 9955
1530 BBC R4 "The Media Show" – 198LW MW FM DAB UK
1532 BBCWS E, "Digital Planet" – 9410oma AS ME
1620 WRMI, G, "RAE Buenos Aires Letterbox" – 7780
1700 WRMI, E, "Viva Miami" – 5950
1732 BBCWS E, "Digital Planet" – 7265mdg 7445mdg
9410uae 9915wof 11810wof 15400asc AF
1930 WWCR Nashville, E, "Ask WWCR" – 15825
2100 WRMI, E, World of Radio – 7780
2100 WBCQ, E, World of Radio – 7490v
2130 WRMI, Sp, Frecuencia al Dia – 7780

2200 WRMI, Sp, Frecuencia al Dia – 9955

Thursday

0000 WRMI, E, AWR Wavescan – 9955
0030 WRMI, E, AWR Wavescan – 7730
0100 WRMI, E, World of Radio – 7780
0100 WRMI, E, "Hobart Radio Int" – 9955
0130 WRMI, E, AWR Wavescan – 7780
0145 WRMI, E, "Australian DX Report" – 9955
0345 WRMI, E, "Viva Miami" – 9955
0720 Radio Belarus, "Letterbox" G, Kall relay – 6005
0900 Radio Ukraine Internat, "Letterbox" G, Kall relay – 6005
1000 Radio Slovakia Internat, "Letterbox" G, Kall relay – 6005
1135 Voice of Turkey, G, Letterbox – 13760
1335 DeutschlandFunk Cologne, G, Medias-res
1345 WRMI, E, "Viva Miami" – 9955
1444 RRI Bucharest, G, Netz Welt – 7355 9600
1735 Voice of Turkey, G, Letterbox – 9840
1844 RRI Bucharest, G, Netz Welt – 6090-drm 9570
2100 WRMI, E, World of Radio – 7780
2130 WRMI, E, AWR Wavescan – 7780
2145 WRMI, E, "Australian DX Report" – 9955
2235 RHC Habana, Sp, "En Contacto" – 5040 9535 9640
11760 11800 13740 LatAM
2240 RRI Bucharest, E, DXM –
5945 7310 7325 9790
2330 WINB, E, "SW Radiogram - digital" – 9265-drm NoAM

Friday

0230 WINB, E, "AWR Wavescan" – 9265-drm NoAM
0315 WRMI, E, "Viva Miami" – 9955
0330 WRMI, Sp, Frecuencia al Dia – 5985 9955
1000 WRMI, E, AWR Wavescan – 5950
1030 WRMI, Sp, Frecuencia al Dia – 5950
1300 WRMI, E, "SW Radiogram - digital" – 15770
1335 DeutschlandFunk Cologne, G, Medias-res
1345 WRMI, E, "Viva Miami" – 9955
1406 BBCWS, E, "Tech Tent" – UK DAB 1413oma ME SoAS
1500 WINB, E, "SW Radiogram - digital" – 15750-drm NoAM
1500 KVOH Voice of Hope, Sp, Frecuencia al Dia – 17775
1500 WRMI, E, "Viva Miami" – 5950
1530 BBC R4, E, "Feedback" – LW 198, MW, FM, DAB, online
1802 IRRS via Kostinbrod-BUL, E, Radiocity – 7290
1910 RTI via Sofia Bulgaria, G, Letterbox – 5900
2000 ch292 Rohrbach Germany, E, "BCL News" – 6070
2100 WWCR Nashville, Sp, Frecuencia al Dia – 6115
2106 BBCWS, E, "Tech Tent" – 11810wof 12095asc NE AF
2130 WRMI, It, Studio DX – 7780
2200 WRMI, E, World of Radio – 9955

Saturday

0000 WBCQ, E, Allan Weiner Worldwide, Area 51, –
3265v 5130v 6160v 7490v
0015 WRMI, E, "Australian DX Report" – 9955
0030 WRMI, Sp, Frecuencia al Dia – 7730
0100 WRMI, E, AWR Wavescan – 7780
0100 WRMI, E, RAE "ARG DXers Special" – 9395

0130 WRMI, E, RAE "ARG DXers Special" – 9395
0130 WRMI, E, World of Radio – 7780
0200 WRMI, E, "Viva Miami" – 5950 9395
0230 WINB, E, "SW Radiogram - digital" – 9265-drm NoAM
0300 WRMI, E, AWR Wavescan – 9955
0330 WRMI, E, "Viva Miami" – 9955
0430 HCJB DX-Medien Weenermoor, G – 3995 EUR
0430 HCJB Weenermoor, G, AGDX-px by Olaf Mertens **3rd** –
DX-Medien **x3rd** 3995 EUR
0615 RFI Paris, E, "The Sound Kitchen" – 11830
0630 HCJB Weenermoor, G – 3995 5920 EUR
0630 HCJB Weenermoor, G, AGDX-px by Olaf Mertens **3rd** –
DX-Medien **x3rd** 3995 5920 EUR
0850 BBCWS E, "Over to You" – DAB UK
0900 Unique Radio NSW, World of Radio – 3210-usb
0900 IRRS via Saftica-ROU, E, Radiocity **3rd** – 9510
0930 HCJB Weenermoor, G – 3995 5920 7365 EUR
0930 HCJB Weenermoor, G, AGDX-px by Olaf Mertens **3rd** –
DX-Medien **x3rd** 3995 5920 7365 EUR
1005 WDR5 Cologne, Toene/Texte/Bilder, G – FM, STL, DAB-S
1100 WRMI, E, AWR Wavescan – 9955
1105 DeutschlandRadio Kultur, Berlin, G, Breitband Media
1130 WRMI, E, World of Radio – 9955
1140 RRI Bucharest, E, "DX Mailbag" –
13750 15130 15320 17670
1245 WRMI, E, "Viva Miami" – 9955
1245 Voice of Turkey, E, Letterbox, fortnightly – 15450
1300 WRMI, E, World of Radio – 15770
1320 SR2 Saarebruck, Medienwelt, G – FM, STL Astra, DAB-S
1330 WRMI, E, "SW Radiogram" digital – 15770
1500 KVOH, E, AWR Wavescan – 17775v
1500 WRMI, E, AWR Wavescan – 5950
1505 HCJB Weenermoor, G, AGDX-px by Olaf Mertens **3rd** –
DX-Medien **x3rd** 3995 EUR
1600 WRN E, "World of Radio" EUR, NoAM
1630 Voice of Turkey, Sp – 11930
1630 HCJB Weenermoor, G – 3995 EUR
1645 Voice of Turkey, E, Letterbox, fortnightly – 15520
1730 WINB "Slow Scan Radio" E – 9265 NoAM EUR
1740 RRI Bucharest, E, "DX Mailbag" – 9760-drm 11850
1750 BBCWS E, "Over to You" – DAB UK
1800 IRRS via Kostinbrod-BUL, E, "World of Radio" – 7290
1800 WTWW, E, "QSO" with Ted Randall – 9475
1845 Voice of Turkey, E, Letterbox, fortnightly – 5945
1900 WTWW, E, "QSO" with Ted Randall – 9475
2000 "Hobart R Internat", E, via ch292 Rohrbach – 6070
alternate weeks
2010 KBS World Radio Seoul, G, **1st 2nd** – 3955wof EUR
2045 Voice of Turkey, E, Letterbox, fortnightly – 9875
2105 HCJB Weenermoor, G, AGDX-px by Olaf Mertens **3rd** –
DX-Medien **x3rd** 3995 EUR
2106 Radio NZ Pacific, E, Mediawatch – 11725 PAC
2130 WRMI, E, AWR Wavescan – 7780
2200 WBCQ, E, "Shortwave Saturday Night" – 7490v
2200 WINB, E, "Franco HB9OAB" digital SSTV – 9265 NoAM

2200 WRMI, Sp, La Rosa de Tokio – 5010
2215 Voice of Turkey, E, Letterbox, fortnightly – 9830
2240 RRI Bucharest, E, DX Mailbag
5945 7310 7325 9790
2330 WRMI, E, "Hobart Radio International" – 7780

Sunday

0000 WBCQ, E, Radio Timtron Worldwide – 5130v or 6160v
0000 E, "The Mighty KBC" – 9925nau EUR
0030 WRMI, E, "Hobart Radio International" – 7730
0040 RRI Bucharest, E, "DX Mailbag" – 6040 7375
0100-0400 WBCQ, E, "Shortwave Saturday Night" – 7490v
0100 WTWW, E, "Amateur Radio Newline" – 5085
0100 E, "The Mighty KBC" – 9925nau EUR
0100 Voice of Turkey, Sp – 7260 9870
0100 WRMI, Sp, La Rosa de Tokio – 7780
0130 WRMI, Sp, La Rosa de Tokio – 7780
0130 E, "The Mighty KBC" / digital tests MFSK – 9925nau EUR
0150 BBCWS E, "Over to You" – DAB UK, 198 LW
5970oma 12095sbg AS ME
0200 WRMI, E, AWR Wavescan – 5950 9395
0200 WTWW, E, "QSO" with Ted Randall – 5085
0230 WRMI, E, AWR Wavescan – 7780
0300 WWCR Nashville, E, "Ask WWCR" – 4840
0300 WTWW, E, "QSO" with Ted Randall – 5085
0300 WRMI, E, World of Radio – 5800
0305 WDR5 Cologne, Toene/Texte/Bilder, G – FM, STL, DAB-S
0315 Voice of Turkey, E, Letterbox, fortnightly – 6165 7275
0315 WWCR Nashville, E, "Australian DX Report" – 4840
0330 WRMI, E, Hobart Radio International – 9955
0330 WWCR Nashville, E, "AWR Wavescan" – 4840
0340 RRI Bucharest, E, "DX Mailbag" –
7375 9740-drm 9850 11825
0430 HCJB Weenermoor, G, AGDX-px by Olaf Mertens **3rd** –
DX-Medien **x3rd** 3995 EUR
0510 NHK R Japan Tokyo, Friends Around the World, E –
5975mos 7245smg 11970iss
0600 VoHope Zambia, "AWR Wavescan" E, CeAF SoAF –
9680voh 13680voh - depends of main power
0720 Radio Belarus, "Letterbox" G, Kall relay – 6005
0630 HCJB Weenermoor, G, AGDX-px by Olaf Mertens **3rd** –
DX-Medien **x3rd** 3995 5920 EUR
0800 WRMI, E, "SW Radiogram - digital" – 5850 7730
0800 SARL Amateur Radio Mirror International, E – 7082-Isb
0830 WRMI, E, Hobart Radio International – 5850 7730
0844 InfoRadio, Rundfunk Berlin-Brandenburg (rbb), G,
Medienmagazin – FM, DAB+, STL Astra digital
0900 Unique Radio NSW, World of Radio – 3210-usb
0900 DARC Radio, via ORS Moosbrunn relay, G – 6070
0900 DARC Radio, via ch292 Rohrbach Germany, G – 7440
0930 WRMI, E, AWR Wavescan – 5950
0930 HCJB Weenermoor, G – 3995 5920 7365 EUR
0930 HCJB Weenermoor, G, AGDX-px by Olaf Mertens **3rd** –
DX-Medien **x3rd** 3995 5920 7365 EUR
0945 WWCR Nashville, E, "Ask WWCR" – 4840

1002 Radio NZ Pacific, E, Mediawatch – 5945 PAC
 1045 WRMI, E, "Viva Miami" – 9955
 1100 IRRS via Saftica-ROU, E, "AWR Wavescan" – 9510
 1110 NHK R Japan, "Friends Around the World", E –
 11695sng
 1135 Voice of Turkey, G, Letterbox – 13760
 1140 RRI Bucharest, E, "Listeners Letterbox" –
 13750 15130 15320 17670
 1205 BR5 Munich, Medienmagazin, G –
 FM, STL Astra digital, DAB+, Livestream
 1300 WRMI, E, AWR Wavescan – 5950
 1324 InfoRadio, Rundfunk Berlin-Brandenburg (rbb), G,
 Medienmagazin – FM, DAB+, STL Astra digital [irreg.]
 1335 RHC Habana, Sp, "En Contacto" – 6000 7340 9535
 11760 13700 13780 15140 15230 NoAM/ LatAM
 1410 NHK R Japan Tokyo, "Friends Around the World", E –
 9450tac 11830uae
 1414 RRI Bucharest, G, Letterbox – 7355 9600
 1435 BR5 Munich, Computermagazin, G –
 FM, STL Astra digital, DAB+, Livestream
 1450 BBCWS E, "Over to You" – 1413oma NE ME SoAS
 1505 HCJB Weenermoor, G, AGDX-px by Olaf Mertens **3rd** –
 DX-Medien **x3rd** 3995 EUR
 1530 AWR Wavescan, E, FE AS CHN JPN – 15670nau
 1600 AWR Wavescan, E, SoEaAS/IND – 9490erv 15605nau
 1600 ch292, E, HRI DX Extra SW and Radio Nx **3rd** – 6070
 1735 Voice of Turkey, G, Letterbox – 9840
 1740 RRI Bucharest, E, "Listeners Letterbox" – 9760-drm 11850
 1814 RRI Bucharest, G, Letterbox – 6090-drm 9570
 1835 BR5 Munich, Computermagazin, G –
 FM, STL Astra digital, DAB+, Livestream [irreg.]
 1900 RRI Bucharest, Sp – 9610 11850 [not13810]
 1902 BBC R4, E, "Feedback" – LW 198, MW, FM, DAB, online
 1909 RHC Habana, E, "DXers Unlimited" – 15140 NoAM
 1937 RHC Habana, E, "Mailbag" – 15140 NoAM
 2030 WRMI, E, AWR Wavescan – 15770
 2100 RRI Bucharest, Sp – 9610-drm 11650 [not13810]
 2105 HCJB Weenermoor, G, AGDX-px by Olaf Mertens **3rd** –
 DX-Medien **x3rd** 3995 EUR
 2235 RHC Habana, Sp, "En Contacto" – 5040 9535 9640
 11760 11800 13740 LatAM
 2240 RRI Bucharest, E, "Listeners Letterbox" –
 5945 7310 7325 9790-drm
 2300 RRI Bucharest, Sp – 9700 9760 11700 11800
 2309 RHC Habana, E, "DXers Unlimited" – 5040 USA/CAN
 2309 RHC Habana, E, "DXers Unlimited" – 7380 AF
 2330 WRMI, E, "SW Radiogram - digital" – 7780 NoAM EUR
 2337 RHC Habana, E, "Mailbag" – 7380 AF

RAE broadcasts via WRMI FL-USA at present.

0100 9395 Tue-Sat English
 0230 5800 Tue-Sat Spanish
 0230 5800 Mon Spanish, relay of Saturday version
 0800 5850 Tue-Sat Japanese, and 7730 kHz too.
 0900 5850 Tue-Sat Chinese, only channel.
 1100 9955 Mon-Fri Portuguese
 1300 15770 Mon-Wed French, Suns 0800 5950 kHz
 1600 7780 Mon-Fri German
 2100 9395 Mon-Fri Italian
 2200 5010 Mon-Fri Spanish
 2330 7780 Mon-Fri French

Web sites for DX & Media programmes:
 many of these have live or archived audio or programme scripts.

Ask WWCR <www.wwcr.com/ask-wwcr.html>
 Australian DX Report <adrx.podbean.com>
 AWR Wavescan <http://awr.org/program/engmi_wav-2/>
 BBC R4 Feedback: <www.bbc.co.uk/radio4/> (live+archive)
 BBC World Service "Digital Planet"
 <www.bbc.co.uk/programmes/p002w6r2>
 BBC World Service "Over to You"
 <www.bbc.co.uk/programmes/p002vsn8>
 BBC World Service "Tech Tent"
 <www.bbc.co.uk/programmes/p01plr2p>
 Hobart Radio Int "DX Extra" <www.hriradio.org>
 NHK Radio Japan
 <<https://www3.nhk.or.jp/nhkworld/en/radio/listener/>>
 R France Int "The Sound Kitchen"
 <<http://en.rfi.fr/features/sound-kitchen>>
 Shortwave Radiogram <<http://swradiogram.net/>>
 World of Radio <www.worldofradio.com>
 WRMI <www.WRMI.net>
 (thanks to BrDXC-UK British DX Club item)

WORLDWIDE DX CLUB

WORLDWIDE DX CLUB, founded in 1966, does not claim to be the biggest or best DX club in the world. Nevertheless, it offers its members and subscribers a rather good monthly bulletin (mainly in English) entitled "DX MAGAZINE" with up-to-date information on most aspects of DX'ing at the reasonable price of €18.00, £15.25 or US\$24.50 per year (air mail: €21.60, £18.30 or US\$29.40).

Since WORLDWIDE DX CLUB is the "International Department" of ARBEITSGEMEINSCHAFT DX (AGDX), the head organization of the German language DX clubs, it is able to offer its members and subscribers another DX publication in German entitled "Radio-Kurier - weltweit hören". This is jointly issued by the German DX organizations ADDX and AGDX and is available for €59.00 per year inside Germany; other countries: €70.00, £59.30 or US\$95.25. "Radio-Kurier - weltweit hören" ordered together with "DX MAGAZINE": €74.00 inside Germany; other countries: €85.00, £72.00 or US\$115.70.

Both publications, "DX MAGAZINE" as well as "Radio Kurier - weltweit hören", are also available as PDF files. If you decide to receive this version, a worldwide subscription rate of €9.00, £7.65 or US\$12.25 applicable for "DX MAGAZINE". "Radio Kurier - weltweit hören" is available for €35.00, £29.65 or US\$47.65, both publications together for €41.00, £34.75 or US\$55.80.

WORLDWIDE DX CLUB has currently the following special publications available:

1. "REPORTING GUIDE", published by the EUROPEAN DX COUNCIL (€2.00 or 2 IRC's).
2. "EDXC RADIO COUNTRIES LIST 2007", published by the EUROPEAN DX COUNCIL (€2.00 or 2 IRC's).
3. "WORLD RADIO TV HANDBOOK 2020", published by WRTH Publications Limited in December 2019 (€42.00, including postage and packing inside Europe).
4. "DAS OHR ZUR WELT" (Eine Einführung in den Rundfunk-Fernempfang, herausgegeben von der ARBEITSGEMEINSCHAFT DX e. V.) (€2.00 or 2 IRC's).

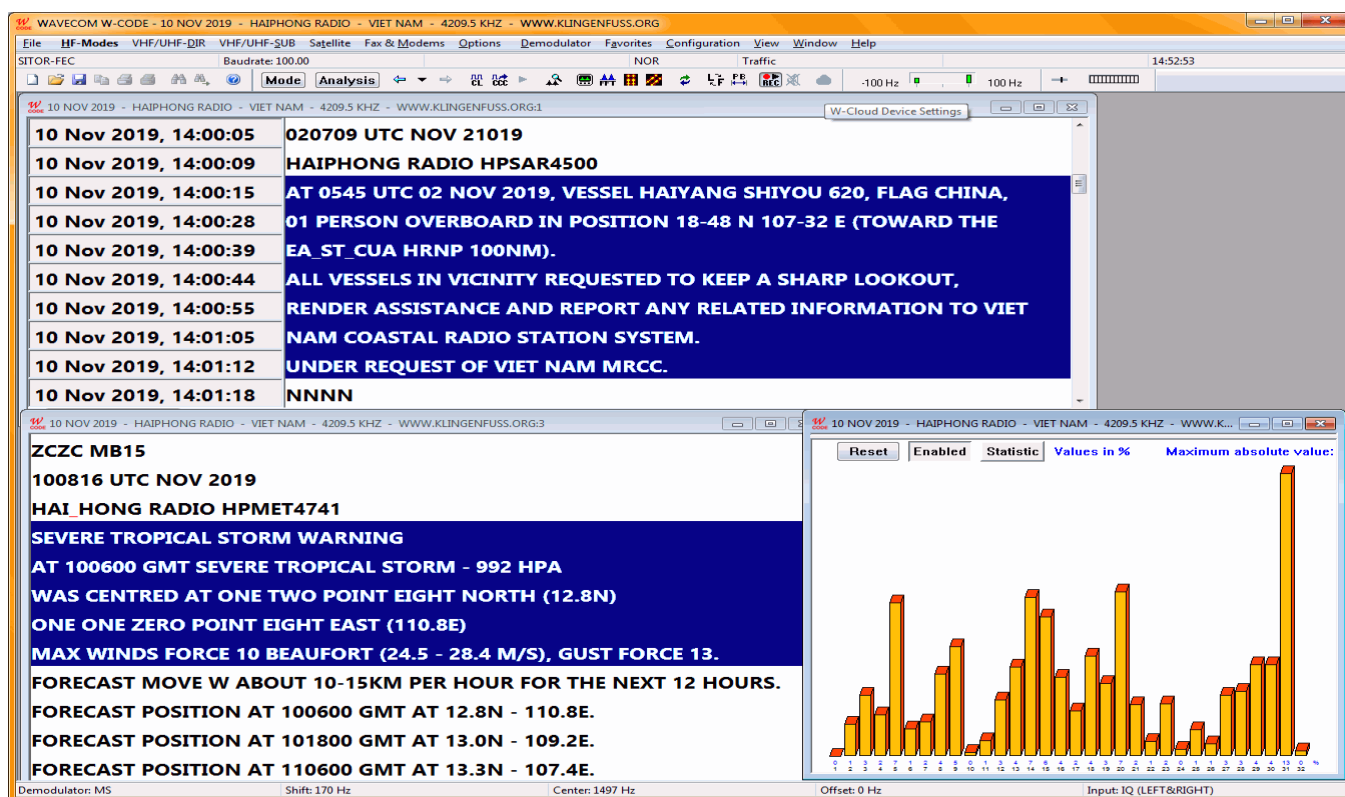
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