

# SHORTWAVE BULLETIN

Issue no. 1948, Apr 19, 2020

Deadline e-mail next issue: 0800 UTC, May 3, 2020

Time again for a new SWB. Still the Corona virus is controlling our lifes. Borders are closed, no flights and on the home front restrictions for restaurants and No more than 50 people at events. This means that most sports like football etc can't play any games. Sweden is not so locked down like France and Spain where peiople have to stay at home, more or less like "arrested". Next year maybe we can see which policy is the best.

Tomorrow, Monday, several car producers start up again. But still there are problems with parts from other countries.

One thing is positive, there is time for DX-ing. Just look at the log. On the other hand – look at the trends for tropical bands from Anker Petersen. A reduction from 1973 until now with about 1000 stations.

A pity for me who only listened to the Tropical bands and maybe the 49 m band. Thankfully we still have the MW band with lots of interesting stations.

Keep on ....

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## SWB-info

SWB on HCDX: <http://www.hard-core-dx.com/swb>  
SWB member information: <http://www.hard-core-dx.com/swb/member.htm>  
Dateline Bogotá 1993-1998: <http://www.hard-core-dx.com/swb/Dateline.htm>  
SWB latest issue/archive: <http://www.hard-core-dx.com/swb/archive.htm>

## QSL, comments, etc.

Manuel Méndez. 3975, Scorribande via Shortwave Radio de., Winsen, received eQSL in 20 days. Reception report sent to: [scorribande@shortwaveradio.de](mailto:scorribande@shortwaveradio.de) 6070, Radio Welle370, Rohrbach, received snail mail QSL card in 33 days. Reception report sent to: [welle370@funckerberg.de](mailto:welle370@funckerberg.de)

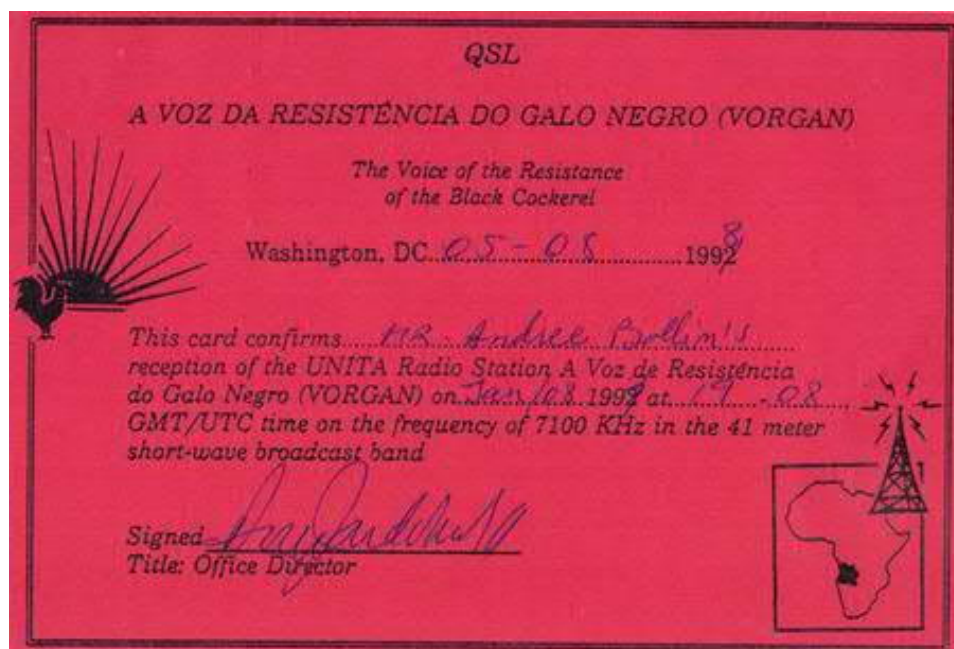
Lennart Weirell: Ett QSL att rapportera: R Igloo - 4860 e-kort 1 d

Robert Wilkner. Mosquito Coast -18 April 2020. Poor conditions continue in South Florida.

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## A Voz da Resistencia do Galo Negro

Auch eine Erinnerung wert: The Voice of the Black Cockerel. Die Clandestine Station der UNITA in Angola.  
(Andree Bollin via A-DX)



VORGAN, one of the most easily heard "gray" covert clandestine radiostations in the world, was slated to leave the air on February 28, 1998, however, its sponsors vow to keep it running for as long as they can. Information has long been lacking about how it runs, but after a series of interviews with representatives of the opposition group, many questions can now be answered. Here is what I found out placed in context of Angola's bloody history.

Read all about it here: <https://www.qsl.net/yb0rmi/vorgan.htm> /TN

1710	Apr18	0151	TIS stationen från Hudson County WQFG689 kör nu med 100W istf normala 10W. Hörs med en slinga om viruset. Kan väl räknas som kortvågsdx..... (TJ)
2485	Apr11	1355	R. Vanuatu. Very weak, but heard distinctive song "You Are The Only One"; still with extended broadcast. (Ron Howard, California)
<b>2850</b>	Apr7	1000	<b>My mistake last issue: 2850</b> North Korea , Korean Central Broadcasting Station 1000 to 1020 very weak with some audio, music at times. <b>NOT 3250.</b> April 7. (Wilkner)
3250	Apr7	1000	Pyongyang, very weak with some audio, music at times. (Wilkner)
3310	Apr14	0030	Radio Mosoj Chaski, Cochabamba with om in Quechua. Weak signal and fading. (Wilkner)
3325	Apr11	1650	RRI, Palangkaraya relaying Voice of Indonesia Arabic talk 35333 (// 4750 was not heard due to QRM) (AP-DNK)
3325	Apr11	1300	Via Palangkaraya // 4749.95, via Cimanggis/Jakarta, Voice of Indonesia. English segment; news (president says there will be financial aid for poor people; news of Asian financial markets; etc.), followed by "News from Indonesia" (Bali music festival cancelled, etc.); "Today in History" (this date 1919, International Labour Organization was created; this date 1970, the launch of ill-fated Apollo 13; this date 1996, Israeli aircraft bombarded southern Lebanon); news of a memorandum of understanding between Indonesia and Microsoft; "Indonesian Wonders," about the Temam waterfall and suspension bridge in South Lubuklinggau, Sumatra. Certainly one of their better days! (Ron Howard, California)
3325	Apr14	0912	UNID. NBC Bougainville, Kubu, Papua New Guinea or RRI Palangkaraya presumed, carrier only (XM)
3480	Apr9	2107	Voice Of The People (cland.), Goyang. Kor to KRE, tks. 25331 (CG)
3480	Apr10	1915	Voice of the People, via Goyang, South Korea Korean talk, musical interlude // 3910 (jammed), 3930 (jammed) and 4450 totally jammed (AP-DNK)
3910	Apr9	2103	Voice Of The People (cland.), Goyang. Kor to KRE, tks. Jammed. // 3930 better. 34342 (CG)
3915	Apr7	*2200-	BBC, Kranji relay. WS in E to SEAs, IS, px anns., nx at 2200. 35332 (CG)
3915	Apr15	2310	BBC, Kranji English interview about teaching children (AP-DNK)
3915	Apr13	2056	Voice Of The People (cland.), Goyang. Kor to KRE, tks. Jammed. Altern. to 3910; // 3930 rtd. likewise. 34342 (CG)
3930	Apr6	2116	Voice Of The People (cland.), Goyang. Kor to KRE, tks. Jammed. 24341 (CG)
3945	Apr4	0936	Radio Vanuatu, presumed. When all you can hear is a carrier you can never be 100% certain of the source. However, I do believe after weighing the possibilities that this was Radio Vanuatu. At 0936 there was a very weak carrier on 3945, best in USB. At 0937 there was a moderate strength carrier on the harmonic frequency of 11835. This was best in LSB. There was no audible carrier on 7890. A check at 0951 found a much stronger carrier on 3945. I believe this was Radio Nikkei Home Service-2, which is scheduled for an 0950 s/on. A moderate strength carrier was observed on 5020 around this same time, most likely SIBC. (XM)
3945	Apr5	0957	Radio Nikkei, Home Service-2, suspected, 0957. Carrier only. This is scheduled to sign on at 0950. The fact that despite numerous efforts as early as 0740 to hear something on this freq but unable to do so, makes me rule out the possibility of Radio Vanuatu. The harmonic frequencies of 7890 and 11835 also revealed no traces of Radio Vanuatu. What I had previously thought was a carrier on 11830 turned out to be an unid ute. Not being aware of the R Nikkei schedule, I did not check possible // freqs. (XM)
3950	Apr15	2315	Xinjiang PBS, Urumqi Chinese conversation (AP-DNK)
3975	Apr3	2139	Short Wave R, Winsen. E, pops, tks. 35342 (CG)
3975	Apr10	1920	Shortwaveradio, Winsen English ann, pop songs (AP-DNK)
3985	Apr10	1925	R Slovakia International via Shortwaveservice, Kall-Krekel. English with 3 ID's, music, closing ann (AP-DNK)
3990	Apr15	2320	Xinjiang PBS, Urumqi Nice local songs in Uighur // 4980 (AP-DNK)
3995	Apr10	1930	HCJB, Weenermoor German religious talk (AP-DNK)
4010.15	Apr11	1645	Birinchi R, Krasnaya Rechka Kyrgyz ann, local songs (AP-DNK)
4055	Apr11	0218	Check, R. Verdad is off; despite local noise level of S9+20, I should be able to detect at least a carrier. A ``Good`` Friday thing? The perennial question: should pious broadcasters transmit more, or less, upon holy days? (Glenn Hauser, OK, WOR)
4450	Apr14	0938	Voice of the People, Goyang, presumed, carrier only, //3930 (XM)
4455	Apr7	2108	Voice Of The People (cland.), Goyang. Kor, tks. QRM de jammer + CODAR. 23341 (CG)
4750	Apr11	1655	Bangladesh Betar, Shavar Bengali talk, mentioning Bangladesh, local music (AP-DNK)
4750	Apr15	2106	Voice Of China/CNR-1, Hailar. Mand, tks, mx. 25331 (CG)
4800	Apr15	2325	Voice of China, Golmud Chinese talk by man and woman (AP-DNK)
4820	Apr15	2330	Xizang PBS, Baiding, Tibet Chinese talk, music - not // 4800 CW- QRM (AP-DNK)

4875	Apr12	2214	R.Roraima, Boa Vista RR. Songs. 35332 (CG)
4875.1	Apr7	0030	Rdif Roraima, Boa Vista RR music, mixing with strong voice ute at times. (Wilkner)
4876	Apr14	0007	R Dif. Roraima, presumed, some very weak audio, sounded PT, but really too weak to identify anything (XM)
4885	Apr6	2118	R.Echo of Hope (cland.), Nowong-gu. Kor to KRE, tks. QRM de B. 33341 (CG)
4885	Apr4	1042	Radio Clube do Pará, Belem, presumed, very poor signal, M in talk, but totally unintelligible, still this is one of the most reliable and often heard of the few still around. (XM)
4885	Apr13	2115	R.Clube do Pará, Belém PA. Tks. 35332 (CG)
4885.04	Apr15	2335	R Clube do Pará, Belém, PA Portuguese talk and shouting (AP-DNK)
4890	Apr13	2117	R.Echo of Hope (cland.), Nowong-gu. Kor to KRE, tks. Alternates w/ 4880, 4885. 25342 (CG)
4900	Apr4	1038	Voice of the Strait-3, Fuzhou, presumed, very weak unintelligible audio. (XM)
4905	Apr15	2340	Xizang PBS, Baiding, Tibet Tibetan talk with music behind // 4920 (AP-DNK)
4925	Apr5	1013	Radio Educacao Rural, Tefe, presumed, threshold level audio (XM)
4940	Apr11	1430	Voice of Strait. "Focus on China"; only on during the weekend; portion of a one hour program produced by China Plus, called "Round Table"; first time I have heard this program; discussion about selling luxury items via online e-commerce and via live streaming online; many people are buying online now due to the COVID-19 virus; program cut off at 1455 and into Chinese; very readable. (Ron Howard, California)
4960	Apr16	*2028-	VOA, Pinheira I/S, English ID, 2030 Hausa ID, news (AP-DNK)
4985	Apr14	0018	R Brasil Central, Goiania, presumed, threshold level audio, just barely audible (XM)
4990	Apr4	1027	Radio Apintie, Paramaribo, presumed, weak unintelligible audio. (XM)
5005	Apr10	*0519-	RNGE/R. Bata. Audio level nicely above threshold level, which is a rare event; in Spanish with some music; an outstanding day for them. (Ron Howard, California)
5005	Apr19	0515	Radio Nacional, Bata, songs. Very weak, best on LSB. Previous days out of air. (Méndez)
5020	Apr4	0843	SIBC, presumed, modest steady carrier, also 9545 kHz, which was somewhat weaker. A similar situation was observed about this same time on April 5. (XM)
5040			AIR Jeypore, recently has been <b>off the air</b> through April 11 (1257 & 1341 UT). (Ron Howard, California)
5800	Apr12	1550	FRS Holland, English, comments, pop songs. Very weak, barely audible. (Méndez)
5895	Mar27	1836	The Northern Star, Bergen, religious songs. Very weak. (Méndez)
5915	Apr10	1705	Zambia NBC, Radio 1, Lusaka, Vernacular, comments. (Méndez)
5915	Apr10	0500	R. One/ZNBC1. "One Zambia, one nation"; news in English (item about the International Monetary Fund; "on the economic front"; "in business news," etc.); 0516, end of the news; one of their better days. Lusaka sunrise was at 0413 UT. (Ron Howard, California)
5950	Apr8	1807	Voice Of The Tigré Revolution, Geja Jawe. Vn, HoA songs, tks. 35342 (CG)
5985	Apr14	1438	Myanmar Radio, fairly good reception on April 14: 1438-1443 UT: First time I've heard "Learning English with BBC, Burmese" on a Tuesday; very readable in Burmese and English; followed by unique indigenous music and singing. My audio at <a href="http://bit.ly/2VvoBiW">http://bit.ly/2VvoBiW</a> (two minutes of English lesson and two of music). Normally hear BBC English lesson Wed and Fri about 1300 UT. 1523-1528: Unique Buddhist chanting and ringing of bell. 1530: Intro to segment of accented English; "Hello. Good evening dear listeners. Our final transmission for today, radiating on 5985 kHz., 50.13 meters, 576 kHz., 520 meters and 594 kHz, 505 meters. Now we start with the news" (extensive coverage of <b>today's ASEAN summit</b> , dealing with COVID-19, via video conference - <a href="https://asean.org/declaration-special-asean-summit-coronavirus-disease-2019-covid-19/">https://asean.org/declaration-special-asean-summit-coronavirus-disease-2019-covid-19/</a> ). 1542: ID, weather, parenting and COVID-19 PSA given by native speaker of English; Gbenga Adenuga singing "I See You In Me," song about global peace and unity (song at YouTube - <a href="https://www.youtube.com/watch?v=JjvLkXjK69I">https://www.youtube.com/watch?v=JjvLkXjK69I</a> ). My audio of ID and weather at <a href="http://bit.ly/2K73H4A">http://bit.ly/2K73H4A</a> . 1548: Segment about the national flower of Myanmar. 1550: Segment "Spotlight On Stars"; info about Christina Aguilera and played her songs. Very enjoyable reception! (Ron Howard, California)
5995	Apr11	2105	R.Mali, Bamako, French, man talk, short afro music, man talk continues. (TB)
5995	Apr18	*1800-	Radio Mali, Bamako, African songs, Vernacular and French, at 1851 Saturday English program. (Méndez)
6030	Apr1	1735	Radio Oromiya, Addis Ababa, Vernacular comments. (Méndez)
6040	Mar29	1303	Shiokaze/Sea Breeze. 1303-20, 1335+. Fair signal in JP to 1330 then KR with // 6070 doing better. Thanks to XYZ on the radio.chobi site for the NF info here & 6165. (Sheedy)
6050	Apr11	2044	PBS Xizang, LHA, Chinese, traditional chinese music, identification without time signal, chinese rock music with traditional chinese motif in chinese language. (TB)
6070	Apr10	1935	Channel 292, Rohrbach EE about the piano semi-classical music, "Liebestraum". (AP-DNK)
6070	Apr4	1051	CFRX Toronto, commentary, fair, one of the few still strong enough to be listenable. (XM)

6070	Apr14	0930	CFRX Toronto with news and good signal. (Wilkner)
6085	Apr2	1510	Radio Mi Amigo International, Kall Krekel, English, id. "Radio Mi Amigo". (Méndez)
6090	Apr3	1703	Voice of Amhara State, Addis Ababa, Vernacular comments, East African songs. (Méndez)
6110	Apr12	1804	R.Fana, Geja Jawe. Vn, local songs, tks. 35332 (CG)
6115	Apr7	-1835*	Radio Congo, Brazzaville, French, news, comments. (Méndez)
6150	Apr16	0940	R Marabu, via R Europa 24, Datteln German ann, pop songs (AP-DNK)
6165	Mar30	-1435*	Shiokaze/Sea Breeze Fair signal on NF with // 7325 having a much better signal (& holding its own against CRI-7325 *1430 in Filipino). (Sheedy)
6170	Apr10	0401	VOA (unID site--Pinheira/Selebi-Phikwe likely). Poor signal //7270 (Selebi-Phikwe) in Shona..6170 not listed in Aoki/EiBi/HFCC A 20 for VOA, altho VOA has 6180 @ 0500 from Ascension & @ 0530 from Pinheira. (Sheedy)
6180	Apr8	0001	Radio Nacional, extensive IDs for all the freqs they use, essentially almost nonstop Brazilian mx, very pleasant listening with nice strong signal, //11780 (XM)
6184.96	Apr16	0734	- Yes, Mexico on 6184.96, still heard at 0734, with pop song (Dean Martin - "I Have But One Heart") and with good audio. (Ron Howard, California via WOR)
6185	Apr8	0007	XEPPM Radio Educacion, Ciudad Mexico, presumed, 0007-0447, chased this one off and on for hours, but could get no more than waves of audio attempting to break through but producing nothing more other than on rare occasions a word or two, used to be an easy catch here, some QRN, some splatter from 6180 Brasil, tnx RLW (XM)
6185	Apr15	0800	Radio Educación, Ciudad de México, this station, in accordance with an email I have received from the Mexican Dx-ers Julian Santiago Díez de Bonilla, it have new schedule time since 15th April: 2000-0800. Checked here, Radio Educación is closing at this time, 0800, but actually is on air with transmitter problems, only strong carrier received but no audio, or audio extremely weak, barely audible. (Méndez)
6185	Apr14	0004	XEPPM R Educacion, Ciudad Mexico, best signal from this in quite awhile, nice selection of XE type music, some brief talk in SP by M, fair in QRN (XM)
6185	Apr14	0000	Radio Educacion, Ciudad Mexico. (Wilkner)
6185	Apr18	0535	S8-S9 of dead air from XEPPM. May have been refurbished and extended schedule to 0800 but still needs some work! (Glenn Hauser, OK, WOR)
6185	Apr15	0948	China Huayi Broadcast Co. (CHBC) (presumed). Recently have been surprised how well this station is being heard. Today tuned into decent level open carrier at 0948; suddenly started at 0953, in mid-song; solid signal; time pips at ToH. I still greatly value my eQSL received from Qiao Xiaoli ("Jonathan Short") - <a href="https://app.box.com/s/kmt1b7d5bhbmmues6i9ty">https://app.box.com/s/kmt1b7d5bhbmmues6i9ty</a> . (Ron Howard, California)
6210.2	Apr7	-1811*	Radio Kahuzi, Bukavu, comments, songs. Very weak , best on LSB. (Méndez)
6250	Apr3	2143	R.Echo of Hope (cland.), Hwaseong. Kor to KRE, tks. Jammed. 34342 (CG)
6255	Apr13	1838	R.Echo of Hope (cland.), Hwaseong. Kor to KRE, tks. Jammed. Vy. strg. at 2100, lightly disturbed by the jammer. 34342 (CG)
6280	Apr15	1835	Sound Of Hope R Int'l, unk. site. Mand to CHN, tks, mx. 35343 (CG)
6370	Apr4	1817	Sound Of Hope R Int'l, unk. site. Mand to CHN, tks, mx. 25331 (CG)
6520	Apr7	1815	Voice Of The People (cland.), Goyang. Kor to KRE, tks. Jammed. 33442 (CG)
6600	Apr7	1812	Voice Of The People (cland.), Goyang. Kor to KRE, tks. Jammed. 33431 (CG)
6870	Apr15	1833	Sound Of Hope R Int'l, unk. site. Mand to CHN, tks, mx. 25341 (CG)
6900	Apr16	2214	Sound Of Hope R Int'l, unk. site. Mand to CHN, tks. // 6870 also this good. 35443 (CG)
7205	Mar31	1605	PBS Xinjiang, Lasha, comments, Uighur language. (Méndez)
7270	Mar29	1311	Nei Menggu PBS (Hohhot) 1311-1320, 1356-1415. A nice way to begin Sunday morning--Mongolian 'soap opera'! Lots of emoting & dramatic orchestral music--a break just before 1400 with 5-6 pips (missed the count thanks to ACI from CNR1/KBS-7275 doing their 'duelling pips' a few seconds before NMPBS). Post-1400, pleasant, relaxed-voiced W announcer with quiet 'evening chat' mixed with what sounds like 'Mongolian lounge' tunes. (Sheedy)
7340	Apr10	-0457*	Eye Radio, via Madagascar, per HFCC (Aoki has it via Santa Maria di Galeria - CVA), 0432 till cut off at 0457*. In English and vernacular; coverage of their president's speech about a woman who works for the UN, who traveled into the country while having the COVID-19 virus and he said "everyone is capable of catching the virus"; gave phone numbers for people to call-in and to be part of the program talking about the president's speech (several on-air calls); PSA in English about virus (wash hands with soap and water for at least 20 seconds, etc.); 0455, sounded like bird calls(?) and ID; mentioned on air 7 to 8 PM. First time I have heard this interesting station. (Ron Howard, California)
7360	Apr10	1900	Vatican Radio, Santa María di Galeria, English, Special Easter program, Way of the Cross, (Méndez)
7385	Apr10	1600	PBS Xinjiang, Lasha, English, news, comments, Tibetan music. 25432. (Méndez)
7700.1	Apr12	1750	FRS Holland, English, comments, pop songs, German. Very weak. (Méndez)
7729.9	Apr16	2218	Sound Of Hope R Int'l, unk. site. Mand to CHN, tks. 15441 (CG)

7810.1	Apr13	2108	Sound Of Hope R Int'l, unk. site. Mand to CHN, tks, mx. 25432 (CG)
7890	Apr16	0632	Radio Vanuatu heard on harmonic 7890, with much better signal than // 3945; from 0632 to past 0732+ UT; some pop songs in English; 0703-0726, news in vernacular; news starts with intro indigenous music (horn and stringed instrument); surprisingly harmonic was nicely above threshold level, whereas 3945 was mostly unusable. (Ron Howard, California)
8006	Apr11	1341	low powered JG2XA, with the HF-Doppler (HFD) Project, heard carrier through April 11, while their 5006 frequency remains silent (1258, 1341 & 1509 UT). (Ron Howard, California) <b>April 14 and 15 - Found both 5006 and 8006 kHz. off the air!!!</b> Thanks to Komatsubara Hiroyuki (Japan) for providing the explanation for this silence. <i>"Maybe they can't send because they are banned from attending school until May 7 due to Corona-virus."</i> Here is the University of Electro - Communications bulletin: <a href="http://www.fedu.uec.ac.jp/en/current/news/post-20200409-02.html">http://www.fedu.uec.ac.jp/en/current/news/post-20200409-02.html</a> . Background info at - <a href="https://radio.chobi.net/DX/bbs/?res:3861">https://radio.chobi.net/DX/bbs/?res:3861</a> . (Ron Howard, California)
9100	Apr7	2110	R.Echo of Hope (cland.), Hwaseong. Kor to KRE, tks, mx. Jammed. 34443 (CG)
9105	Apr13	2110	R.Echo of Hope (cland.), Hwaseong. Kor to KRE, tks. 35443 (CG)
9200	Apr16	2216	Sound Of Hope R Int'l, unk. site. Mand to CHN, tks. 35443 (CG)
9390	Mar29	1350	Radio Thailand 1350, 1410. Ex-9940 for A20 with poor signal in EG to 1400 then 'way better signal in JP. (Sheedy)
9410	Apr12	-1000*	Had a rare reception by hearing <b>Fu Hsing BS</b> (Taiwan) on both 9410 // 9774. Don't remember the last time that happened; normally I don't hear 9410 at all; in Chinese and some EZL music till 1000* UT. Last month observed 9774 closing at 0900*, so a new cut off time; 9410 was killed today at 0958 by strong BBC sign on. (Ron Howar, California via WOR)
9450	Apr10	1900	Vatican Radio, Santa Maria di Galeria, Arabic, Special Easter program, Way of the Cross. (Méndez)
9545	Apr13	-0500*	carrier until 0500:45*, no doubt SIBC about to QSY to 5020 which won't be audible till later (Glenn Hauser, OK, WOR)
9560	Mar29	0332	NHKWRJ (Talata-Volonondry). Decent signal in Swahili with COVID-19 updates (Tokyo Olys postponed, etc. ). This is (P) having just missed their *0330. (Sheedy)
9585	Mar27	*1418-	TWR (Manzini). IS/ID loop to 1425, & opening remarks in Mozambique-style PT. Inspirational chat & Bible verses read by a guy with a remarkably echo-ey voice. According to EiBi/Aoki this is now (A20) *1455-1525* in Malagasy M-F & in FR Sa-Su., so maybe last day or so of the B19 sked. (Sheedy)
9620	Apr10	1900	Vatican Radio, Santa Maria di Galeria, PP, Special Easter Program, Way of the Cross, (Méndez)
9630.3	Apr3	0905	R.Aparecida, Aparecida SP. Tks, folk songs. F/out 0930. 25421 (CG)
9650	Apr2	1740	Radio Guinea, Conakry, African songs, French, comments. (Méndez)
9650	Apr10	0547	Radio Guinea. African music; in French; on before their normal sign on; 0601-0615, religious(?) segment. (Ron Howard, California)
9650	Apr10	2133	R.Guinée, Sonfonia. Tradit. songs & mx px. Usually fluttery evenings. 45444 (CG)
9665.6	Apr13	2113	R.Voz Missionária, Camboriú SC. Rlgs. propag. 35432 (CG)
9705	Apr10	1900	Vatican Radio, Santa Maria di Galeria, French, Special Easter Program, Way of the Cross, (Méndez)
9835	Apr7	1158	Sarawak FM. The usual Isha (night time) Islamic call-to-prayer; fair. (Ron Howard, California)
11750	Apr16	-1000*	Voice of China, Huikou Chinese ann, music, closing ann // 15380 and 17580 (AP-DNK)
11815	Apr7	2113	R.Brasil Central, Goiânia GO. Songs px. Weak audio. 35332 (CG)
11835	Apr17	0701	- First time I'm hearing <b>Radio Vanuatu on harmonic 11835 kHz.</b> , which was // 3945 // harmonic 7890. Underneath a stronger CNR2 (China Business Radio), but reception not too bad; without the Chinese QRM, would have been RV best frequency; 0701+ UT, news about COVID-19. My audio of RV, mixing with CNR2, at <a href="http://bit.ly/3es29zW">http://bit.ly/3es29zW</a> . (Ron Howard, California)
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No sign of 11835 or 15780 here now at 1125z Apr 17. No prop for those higher freqs at this time of night. <b>BUT</b> , 7890 is stronger than the fundamental 3945 and putting in quite a respectable signal here on my 10 MHz inverted vee! That's very naughty of them!! (Rob VK3BVW)			
11835	Apr19	0120	Yes, Ron. R. Vanuatu is now a truly international broadcaster! Here at 0120z, it can be heard on 11835 and 15780, plus a soft carrier on 7890. All this despite no prop on 3945, obviously because it's the middle of the day both here and in Vanuatu! (Rob VK3BVW)

13580	Apr10	0421	BBC (Al-Seela). News/features programme with weak/fading signal [//9915 (Talata-Volonondry) better on 13 April @ 0410] & also being relayed same date/time via RNZI-13840 [who cut to "RNZed National" programme at 0425]. (Sheedy)
13830	Apr12	0900	Vatican Radio, Santa María di Galeria, English, Easter Sunday Holy Mass. (Méndez)
13840	Apr12	2101	R.NZi, Rangitaiki. Tks. Adj. QRM. 13431 (CG)
15475.97	Apr7	1420	tune-in past 1435+, JBA carrier direct over the almost all-water path from Esperanza to Enid, as I have not been able to detect for some time amid several special LRA-36 transmissions; it's about equivalent to 15825 WWCR normal signal now without any sporadic-E boost. By 1452 Gm on the Campo Brasil KiwiSDR for poor partially readable signal: mainly two YL voices, with saludos; 1456 song; 1502 contact info; then my pause for breakfast of waffle; 1531 music; 1536 echo feedback announcement, deliberate? more song; 1540 ID, contact info; 1552 fading up a bit stronger, song; 1556 full ID, and bit of English in a song about telephone; 1603 sounds like an old-time-radio clip, 1606 gone and apparently not coming back. Anyway, used up my 60-minute per day limit on this SDR (Glenn Hauser, OK, WOR)
15575	Apr12	0900	Vatican Radio, Santa María di Galeria, French, Easter Sunday Holy Mass. (Méndez)
15770	Apr12	2008	WHRI, Okeechobee, English, religious talk, often Jesus Christ, prayers, glory, father, in heaven, www, guitar music, identification WRMI Radio Miami International, Okeechobee, Florida, USA, chinese music programme. (TB)
15805	Apr12	0712	World Music Radio, Randers, with very weak signal, pop songs and identification, checked also at 0950, improving signal, fair to weak, but strong fading, at 1022 identification in Spanish: "Transmitimos las 24 horas del día, los 7 días a la semana, esta es WMR, World Music Radio" (Méndez)
15805	Apr12	1824	World Music R, Randers. Mx & songs. Gone. 35443 (CG)
15805	Apr18	1452	No signal from World Music Radio, which Stig Hartvig Nielsen publicized last weekend has resumed with 200 watts southward, Sat & Sun only at 0700-2000. I was not really expecting to hear it direct, but here to spread the word for Sunday tryers. At least no QRM now from 15800 China, and WTWW-3 has not been testing 15805 for months (Glenn Hauser, OK, WOR)

### Bandscan in Milan by Gimapiero Bernardini

3975	Mar28	1725	Scorribande via Shortwave Radio, Germany, IT, Radio Amateur News, Zella vintage, Scaglione weak, fading (Bernardini)
4765	Apr4	0210	Radio Tajikistan, radio drama, Tajik, weak (Bernardini)
4885	Apr4	0152	Rádio Clube do Pará, Belem, Brazil, talks PP, fair (Bernardini)
4950	Apr4	0147	AIR Srinagar, Kashmir, India, talks, Vn, weak (Bernardini)
5025	Apr4	0125	Radio Rebelde Cuba, songs, SS, fair (Bernardini)
5040	Apr4	0133	Radio Habana Cuba, SS, talks, good (Bernardini)
5060	Apr4	0140	PBS Xinjiang, CH, talks, weak (Bernardini)
5085	Apr4	0144	WTWW Lebanon, TN, USA, songs, EE, fair (Bernardini)
5780	Apr5	1825	Harmony Radio, oldies, EE, good (Bernardini)
5915	Apr4	0100	NBC 1 Zambia, Lusaka, afro mx, talks, ids, Vn, fair good (Bernardini)
5920	Apr6	1700	HCJB Deutschland, Bremen-Weenermoor, Germany, talks G, fair (Bernardini)
5950	Apr6	1700	Voice of Tigray Revolution, Ethiopia, talks in Tigrinya, fair (Bernardini)
6005	Apr6	1700	Radio Ukraine, Kall Krekel, Germany, German bc, good (Bernardini)
6085	Apr6	-1700*	Radio Mi Amigo Int. id and end of bc good (Bernardini)
6090	Apr6	1700	Radio Amhara, Ethiopia, news in Amharic, HoA mx, weak (Bernardini)
6100	Apr6	1700	TWR, Manzini, Swaziland, talks in Vn, good (Bernardini)
6110	Apr6	1700	Radio Fana, Ethiopia, in Amharic, "Fana Broadcasting Corporation", nx, fair (Bernardini)
6150	Apr6	1645	Radio Marabu, Datteln, Germany, songs, great id, German, fair (Bernardini)
6170	Apr4	0235	Scandinavian Weekend Radio, Virrat Finland, songs, weak fading (Bernardini)
6170	Apr6	-1652*	Radio New Zealand Int. talks & songs, id at 1651 and off EE, fair (Bernardini)
6210.21	Apr6	1655	Radio Kahuzi, Bukavu, Congo talks Vn poor (Bernardini)
9310	Apr5	1650	VoA Deewa Radio, Udon Thani, Thailand, Pashto, news, good (Bernardini)
9330	Apr5	1700	WBCQ World's Last Chance, USA, religious EE, good (Bernardini)
9360	Apr5	1655	Firedrake, Chinese music jamming Radio Free Asia, fair (Bernardini)
9630	Apr5	1705	IBRA Radio, UAE, in Oromo, strong QRM China (Bernardini)
9635	Apr5	1710	Radio Mali, Bamako, talks FF, fair good (Bernardini)
9690	Apr5	1700	REE, Noblejas, Spain, relay national RNE program, good (Bernardini)
9720	Apr5	1700	Dimtse Radio Erena, via Bulgaria, start bc, talks, good (Bernardini)
9730	Apr5	1700	Voice of Vietnam, Hanoi, start bc in unid lang, fair good (Bernardini)
9979	Apr5	1700	Firedrake, Chinese music jamming Radio Free Asia, good (Bernardini)
10000	Apr4	0120	Amici Italcable, Italy, time signals, mx, giving minute in Italian, good (Bernardini)
11510	Apr6	-1400*	Free North Korea Radio, via Uzbekistan, drama, Korean weak (Bernardini)

11530	Apr5	1750	Dengê Welat, via France to Kurdistan, talks in K, jammed by Turkey (Bernardini)
11590	Apr6	1355	TWR, via Gavar Armenia, Hindi bc, fair (Bernardini)
11630	Apr6	1400	Radio Kuwait, news, fair (Bernardini)
11655	Apr6	1600	Ibra Radio, via UAE, in Afar, talks and HoA style mx, good (Bernardini)
11695	Apr6	1400	VOA Tinang Philippines, bc in Khmer, reports, fair good (Bernardini)
11710	Apr6	1400	Voice of Korea, Kuyang, North Korea, start bc in FF, fair (Bernardini)
11755	Apr6	1600	AWR, Trincomalee, Sri Lanka, Urdu, good //11800 Austria with delay (Bernardini)
11805	Apr6	1400	Radio Free Asia, Tinian Island, Asian alng. bc, id in EE, weak (Bernardini)
11815	Apr6	1600	Radio Vaticana, Santa Maria di Galeria, start bc in Armenian, fair (Bernardini)
11830	Apr6	1400	R. Japan NHK World Radio, via UAE, EE bc, news, weak (Bernardini)
11860	Apr6	1400	Rep. Yemen Radio Sana'a, via Saudi Arabia, AA, songs, fair (Bernardini)
11860	Apr5	1800	Radio Marti, Greenville NC USA, news in SS, weak //11930 (Bernardini)
11910	Apr6	1600	Furusato no Kaze, Tashkent, Uzbekistan, Japanese talks, weak fair (Bernardini)
11930	Apr5	1800	Radio Marti, Greenville NC USA, news in SS, fair //11860 (Bernardini)
11940	Apr5	1800	REE, Noblejas, Spain, relay national RNE program, good (Bernardini)
11955	Apr5	1800	AWR Moosbrunn, Austria, start bc in Arabic, good (Bernardini)
11985	Apr5	1800	Radio Free Asia, Agingan Pt, Saipan, start bc in Korean, weak fair (Bernardini)
14560v	Apr11		CNR1, China, CH talks, mx, to jam Voice of Hope, fair good //11840 (Bernardini)
15320	Mar29	1130	Radio Romania Int., EE program, fair good (Bernardini)
15330	Mar29	1135	FEBEC, Bocaue, Philippines, Asian language, talks, songs, fair (Bernardini)
15450	Apr11	1012	AWR Station KSDA, Agat, talks in CH, fair good (Bernardini)
15610	Mar29	1140	AWR, Trincomalee, Sri Lanka, slow songs, talks Asian lang. fair fading (Bernardini)
15805	Apr11	0950	World Music Radio, Randers, Denmark, songs, id in EE e SS, at 1004 Tu vuò fa L'Americano (remix) by Renato Carosone, fair fading (Bernardini)
17760	Mar29	1145	Radio Kuwait, Talks in Pilipino, fair (Bernardini)
17850	Mar29	1150	Reach Beyond Australia, Kununurra, talks Asian lang, weak fair (Bernardini)

## Pirate Stations

3919.9	Apr13	1835	R.Bluestar (t) - pir. Pops. T-ID via DX press. 15341 (CG)
3920	Apr11	1836	Continental R - pir. Songs. ID via DX press. 25331 (CG)
3934	Apr3	2201	Baltic Sea R - pir. E, pops, IDs, e-mail addr. anns. LSB tx. 35332 (CG)
3940	Apr9	1822	Arrow Classic Rock (HOL stn) via UnID - pir. Pops. Rtd. 35343 at 2110. ID via DX press. 25331 (CG)
4700	Apr3	2141	Mystery R 21 - pir. G/E, pop mx, e-mail addr. anns. Vy. good on 09/4, 2100. 35433 (CG)
4828	Apr3	2158	R.Dolfijn - pir. Du, pop oldies. 35332 (CG)
4865	Apr13	2054	R.Black Bandit - pir. Du/E, songs, tks. 35342 (CG)
4860	Apr17	1801	4860, Radio Igloo, English, identification "Radio Igloo, <a href="mailto:radioigloo@gmail.com">radioigloo@gmail.com</a> ", songs, "On short wave, You are listening to a special music program, the program is a co-production by Radio Igloo and the the ... DX Club.. Göteborg, Sweden, ... reception reports.. <a href="mailto:radioigloo@gmail.com">radioigloo@gmail.com</a> , once again, <a href="mailto:radioigloo@gmail.com">radioigloo@gmail.com</a> , Thank you", songs and comments in English. (Manuel Méndez)
5140	Apr8	2110	Charleston R Int'l - pir. Oldies. 35432 (CG)
5780	Apr7	2100	Harmony R - pir. Oldies. Usually somewhat worse. 45433 (CG)
5790	Apr9	1831	R. 319 - pir. Pops. ID via DX press. 25341 (CG)
5800	Apr12	1808	Free R Sce. - pir. Du/E, pops, tks. // 7700.1 much better. 35332 (CG)
5805	Apr10	2131	R.Parade - pir. Pop oldies. ID via DX press. 35342 (CG)
5836	Apr9	1825	R.Evropa - pir. Songs. ID via DX press. 15331 (CG)
5900.1	Apr5	1755	R.Aristona - pir. Mx. ID via DX press. 15341 (CG)
6205	Apr5	1635	Laser Hot Hits - pir. E, pops, tks. 35332 (CG)
6240.5	Apr11	1838	R.Tango Italia - pir. Argentinian mx. 25342 (CG)
6245.5	Apr5	1644	R.Tango Italia (p) - pir. Mx, tks, Argent. songs. Improving, rtd. 35332 at 1800. 15341 (CG)
6260.2	Apr9	1835	R.Bella Italia - pir. Ital. songs, IDs & e-mail addr. anns. in Ita/E. Improving, rtd. 35342 at 1900 25331 (CG)
6260.5	Apr10	2118	R.Tango Italia - pir. Argentinian mx. 35332 (CG)
6262.1	Apr5	1634	R.Batavier - pir. Pops. ID via DX press. 25341 (CG)
6285	Apr8	2120	R.Batavia - pir. Song in G. Surely not the same obs'ed. at 2114. Returned at 2125. 25342 (CG)
6285	Apr10	1846	Easter R (t) - pir. Mx, pops. T-ID via DX press. 25331 (CG)
6285	Apr12	1811	Arrow Classic Rock (HOL stn) via UnID - pir. Pops. ID via DX press. 45343 (CG)
6288	Apr5	1801	R.Sluwe Vos - pir. Du/E, pops, tks. 35332 (CG)
6295	Apr11	1840	R.Joey - pir. Pops. 35443 (CG)
6295	Apr12	1813	Reflections Europe - pir. E, rlg. propag. pxs. // 12255 poor. 35343 (CG)
6295.4	Apr15	1830	BZN-Bad Zoner Naam R - pir. Songs. ID via DX press. 25341 (CG)
6300	Apr11	2124	TRX R (t) - pir. Pops. T-ID via DX press. 35342 (CG)

6305.1 Apr7 2057 R.Merlin - pir. E, pop oldies. Usually poorer. 35433 (CG)  
 6320 Apr13 1832 R.Joey (p) - pir. Pops. 35332 (CG)  
 6320 Apr8 1843 R. 102 - pir. Pops. ID via DX press. 25331 (CG)  
 7700.1 Apr12 1806 Free R Sce. - pir. Du/E, pops, tks. // 5800 much worse. 45343 (CG)  
 12255 Apr5 1617 Reflections Europe - pir. E, mx, rlg. propag. pxs. // 6295 under strg. adj. uty. QRM. (CG)

### Contributors to the log:

wb, Wolfgang Büschel, df5sx, wwdxc BC-DX TopNews, DXLD, DXPlorer, A-DX Glenn Hauser, Enid, OK, USA (also from WOR/DXLD) TB, Tomas Burian, Morava, Moravia Ron Howard, Asilomar State Beach, CA, USA, WOR/DXLD (AP-DNK), Anker Petersen, Skovlunde, Denmark XM - Cedar Key - Florida	(CG)/(CGS), Carlos Gonçalves, Lissabon, Portugal Manuel Méndez, Lugo, Spain Giampiero Bernardin, Milan, Italy Dan Sheedy Encinitas/Moonlight Beach, CA (Rob Wagner VK3BVW) Bob Wilkner, Pompano Beach, Florida TJ, Torolf Johnsson, Alunda, Sweden
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## Station news

**INDIA:** As reported by Jose Jacob, All India Radio considers a new short wave transmitter at AIR Kurseong. The original document of 9 March 2020 (37 pages) can be found here: [http://prasarbharati.gov.in/tenders/Engineering\\_950145.pdf](http://prasarbharati.gov.in/tenders/Engineering_950145.pdf). (Dr Hansjoerg Biener 16 April 2020)

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*"Tender for new 50 kW SW Transmitter for AIR Kurseong !! Please see details in: [http://prasarbharati.gov.in/tenders/Engineering\\_765404.pdf](http://prasarbharati.gov.in/tenders/Engineering_765404.pdf). This SW transmissions were terminated from here on 30 July 2019. They used to operate on 3355, 4895, 7230 etc. with the following SW transmitters: BEL HHB 144 50 kW, GATES HF20PX 20 kW  
 Yours sincerely, Jose Jacob, VU2JOS" (via WOR)*

**JAPAN. 8006,** low powered **JG2XA**, with the HF-Doppler (HFD) Project, heard good level carrier at 1209, on April 8. While their **5006 frequency was off the air today**; normally is heard daily. (Ron Howard, California via WOR)

### LAOS. [WOR] Lao National Radio shortwave service goes live online

Government broadcaster Lao National Radio (LNR) has given its website a makeover and also made their National Service available on a with live audio stream from the site at <http://lnr.org.la>. This includes their Foreign Language Service including English at 14:30 UT, which was observed at 14:33 UT today (the stream seems to have a 3-minute lag) announcing 567 kHz, 6130 kHz and [Happy Radio] 97.3 MHz FM. The website also has four other buttons for present and future LNR live streams: LNR FM [103.7] Happy Radio (97.3) - not yet functional Butterfly Radio (94.3) - not yet functional Climax Radio (95.0) - not yet functional Programme schedules for all five services are also provided, translatable by Google Translate. NB: the schedule for the National Service indicates that it goes off-air at 08:00-09:00 daily. (David Kernick, Interval Signals Online, via WOR)

**MEXICO.** Just in at 0142 April 16: *"Hi Glenn, As of today **Radio Educación 6185 kHz "Cultura México"** is going to broadcast from 2000 to 0800 UT. There has been an important improvement in its signal as they are already using the 10 kW transmitter. They may adjust the schedule depending on the results. Best wishes, Julián Santiago."* (Glenn Hauser, OK, WOR)

### PHILIPPINES. [dxld] Response from Radyo Pilipinas

Reply from Radyo Pilipinas Worldwide through their facebook page in response to my inquiry about the status of their SW broadcast. *"Good day, Jacob. Due to the implementation of Enhanced Community Quarantine in the Philippines, short wave airing of Radyo Pilipinas-Worldwide is temporarily unavailable."*

<https://www.facebook.com/RadyoPilipinasWorldwide/>

(Thanking you, Yours sincerely, Jose Jacob, VU2JOS, National Institute of Amateur Radio, Hyderabad, India, [www.niar.org](http://www.niar.org) via DXLD)

### TAIWAN? Radio Nyawa Sarawak (11890 kHz.) off the air for a while

Emailed response just came in from Radio Nyawa Sarawak (0030 UTC, April 14):

*"Thanks for messaging us. We are off air for a month or so as Malaysia is facing lockdown due to Covid-19. We will be back on air once things improve. In the meantime we are still putting out a show Mon - Fri online. Best wishes, RNS" (Ron Howard, California)*



**VANUATU, Radio Vanuatu**, Port Vila. VANUATU, Radio Vanuatu, Port Vila, observed via SDR remote receivers in New Zealand, yesterday, 14th, and today, 15th April, Radio Vanuatu has changed again its 2485 kHz schedule. Previous days schedule (11th, 12th and 13th April, 24 hours on air):

1830-2400 3945 kHz

0000-0700 5040 kHz

0700-1000 3945 kHz

1000-1830 2485 kHz

But checked 14th and 15th April, 2485 kHz closed at 1100 instead of 1830, and so, Radio Vanuatu is not on air with non stop music between 1100 and 1830, at 1830 open 3945 with music, at 1845 anthem, identification, and comments.

The current schedule in accordance with 14th and 15 April would be:

1830-2400 3945 kHz (1830 open with songs, 1845 anthem, identification and comments)

0000-0700 5040 kHz

0700-1000 3945 kHz

1000-1100 2485 kHz. (1000-1030 news bulletin "Radio Vanuatu national news", 1030-1100 songs and close)

(Manuel Méndez, Lugo, Spain)

## Other radio news

### World Music Radio is back on 15805 kHz



After having been off the air on shortwave since September 2019, World Music Radio (WMR) is now back on 15805 kHz using a 3 element yagi beamed south - every Saturday and Sunday at 07-20 UTC. The transmitter power is 200 Watts and the signal is audible almost worldwide for dedicated DXers. However a good receiver, a good aerial and a listening site without man made interference - as well as patience and listening at the right time of the day (when propagation is optimal) - is needed to catch WMR on 15805. Best reception usually is in Southern Europe, but it is also possible to receive 15805 kHz in the Middle East, all over

Africa, in parts of South America and the Eastern part of North America. Also in Asia "on a good day". Sometimes 15805 suffer from some interference from a Chinese station on 15800 kHz. Sometimes short skip propagation is providing excellent reception in Central Europe. But propagation is changing all the time and catching the low power signals from WMR on 15805 is really a challenge for DXers in most places - unlike off course catching big international broadcasters with 100,000 - 500,000 Watts of power. Please note that the signals of WMR on 15805 kHz are only suitable for AM listening, so don't use SSB.

Reception reports are acknowledged by an eQSL for reports sent to [wmr@wmr.dk](mailto:wmr@wmr.dk) - or by a QSL card (as well as stickers and as long as stocks last: a pennant) for reports sent to World Music Radio, PO Box 112, DK-8960 Randers SØ, Denmark (kindly enclose return postage - 2 IRCs, 5 euro or equivalent. Sorry but 1 or 2 USD won't do). Please note that reception reports using remote receivers (such as remote Kiwi SDRs) are not QSLed.

There are two reasons for being off air for several months. First the Danish telecom agency refused to give a new license to utilise "out of band frequencies on a non-interference basis". This issue was however settled, at least temporarily. Second problem was a storm which damaged the yagi aerial. The aerial was repaired a few days ago and it now works very well again - from the transmitter site just north of Randers in Eastern Jutland, Denmark.

Randers also used to be the transmitter site of WMR broadcasting on 5840 kHz (100 Watts) into an inverted V aerial - from January 2018 to September 2019. A new 500 Watts transmitter has been purchased and a new transmitter site for 5840 has been found - and a new dipole aerial will be put up. It is hoped that 5840 will be back on the air by the end of April 2020. Broadcasting 24 hours a day seven days a week.

The plans to cover Copenhagen on MW 927 kHz are progressing very slowly. However a transmitter site has been found in Hvidovre, and it is hoped that 927 kHz will be on the air by late June 2020.

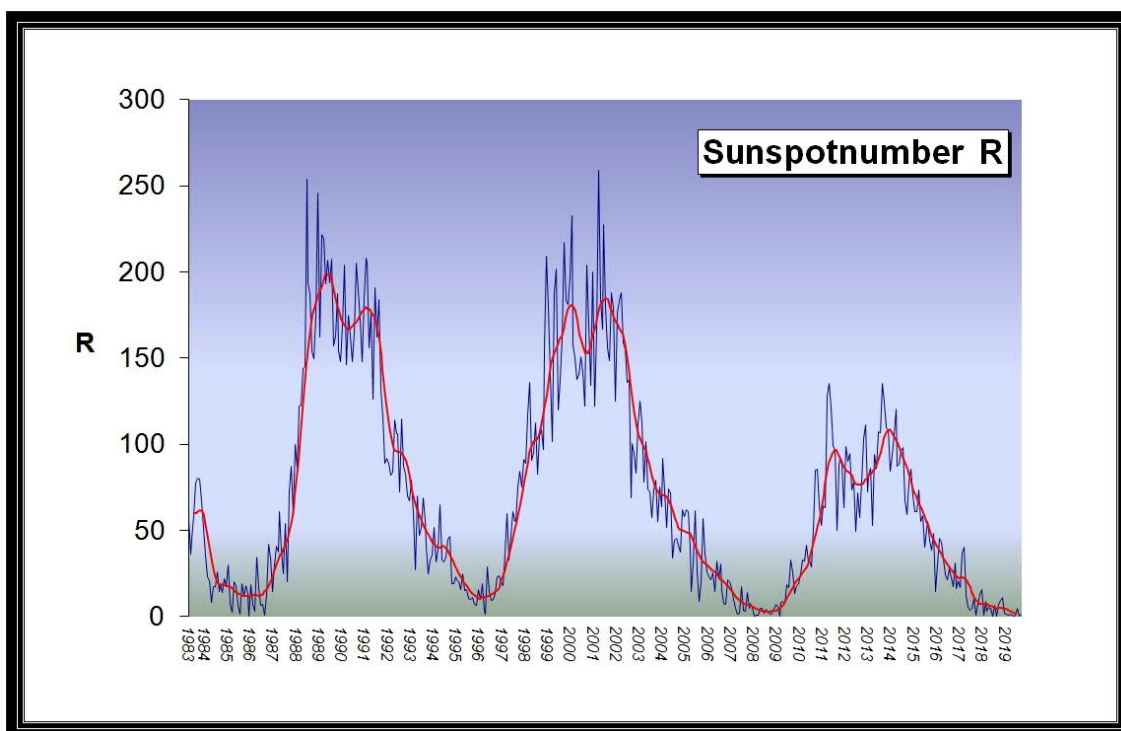
Meanwhile World Music Radio can also be heard on the internet via [www.wmr.radio](http://www.wmr.radio) and several platforms such as radio.garden, TuneIn, Radio.Net and Streema.

Photo credit to Stig Hartvig Nielsen

(Best 73s, Stig Hartvig Nielsen, World Music Radio - Radio208 - Hartvig Media ApS)



## Solar Minimum: Deep, Deeper...and even Deeper?



Solar Minimum is DEEP and appears to be continuing. Observer Franky Dubois from Belgium – who posts for the Solar Section of A.L.P.O. – Assoc. of Lunar & Planetary Observers (<http://alpo-astronomy.org/>) has fully observed three complete Solar Cycles over the past 38-years and he's graphed the Sunspot R Number – defined as  $R = K(10g + s)$ , where  $g$  is the number of sunspot groups and  $s$  is the total number of distinct spots.

This is what he posted yesterday on the A.L.P.O. Solar Message Group:

Minimum cycle 21: 11.4 April 19[8]6

Minimum cycle 22: 10.4 May 1996

Minimum cycle 23: 2.88 November 2008

Status of cycle 24 thus far: 1.6

Many experts in December (2019) speculated we had reached "Solar Minimum" (error factor of +/- 6-months). Well, it's 5-months later and we've only seen a couple of next cycle [reversed polarized areas] sunspots/small groups – most of which died-out very quickly and did not sustain a full transit across the observable disc of the sun. We've seen no *real* evidence – yet – that we're on the other side or up-side of Minimum. As an amateur/hobbyist astronomer & Solar Observer myself, I've seldom taken the time to set-up my gear & observe (even in wavelengths other than visible).

It's been discussed here and elsewhere before, but looking at the last 53-years of data there has been a very, very sharp decline in Solar Maximums [and Minimums] sunspot numbers.

Guest Post by [Troy Riedel](#)

(From SWLing Post: <https://swling.com/blog/2020/04/solar-minimum-deep-deeper-and-even-deeper/>)

### [RealDX] Latin American SDR recordings for comparison

I have over a terabyte of SDR files made in Latin America in a shared folder on my Google Drive where anyone can download them. These were made on three extended trips to the region over the past three years. I hope other DXers can take advantage of these to identify their own catches. If you have something you are trying to identify, I suggest downloading a file I made in the region you think the station is from, preferably at the same time of day and day of week, and then comparing it with what you heard. Often program names, ads, ID announcements, and other regular items remain the same day-to-day.

The link is below. See the "Read This" file for a detailed list of locations and the equipment used. I haven't uploaded files from all the locations where I've DXed from. If you would like to see a few files from one of those, just ask and I can upload. I am DXing these myself, but I have years ahead of me to do them all! I hope to get some logs and audio recordings online soon.

[https://drive.google.com/drive/folders/17XXTi0w5hzzNmC60kjm6WiNTXEnvNloX?fbclid=IwAR0fEmha-BUXPIZ8Qk3c5Tz-4ervuYUXvfPIOIRzkBCrIsoh5ESNNhp\\_B49w](https://drive.google.com/drive/folders/17XXTi0w5hzzNmC60kjm6WiNTXEnvNloX?fbclid=IwAR0fEmha-BUXPIZ8Qk3c5Tz-4ervuYUXvfPIOIRzkBCrIsoh5ESNNhp_B49w)

(Don Moore --- [donmooredxer@yahoo.com](mailto:donmooredxer@yahoo.com) , <http://www.donmooredxer.com> via RealDX)

## Trends in tropical bands broadcasting 2020, by Anker Petersen

Since the Danish Short Wave Club International published the first annual Tropical Bands Survey in 1973, I have registered which stations are active, based upon loggings from our members and other DX-ers around the world. Here is an updated status where Clandestine and Pirate stations are not included.

### Active domestic transmitters on 2200 – 5800 kHz

<u>Region</u>	<u>1973</u>	<u>1985</u>	<u>1997</u>	<u>2009</u>	<u>2020</u>
Central Africa	102	76	40	18	3
Southern Africa	57	39	33	20	5
Middle East	9	4	1	0	0
Indian Subcontinent	62	45	45	29	11
South East Asia	40	29	21	4	1
Indonesia	171	105	65	13	2
China, Taiwan, Mongolia	119	110	75	32	15
CIS (former USSR)	61	59	47	7	4
Far East	38	28	28	9	7
Papua New Guinea	17	20	20	15	2
Australia and other Pacific	10	4	13	8	6
Central America, Mexico	21	23	24	5	1
Caribbean	29	3	3	2	3
Northwestern South America	98	41	19	3	1
Ecuador	47	33	22	5	0
Peru	78	69	78	28	8
Bolivia	35	42	25	14	1
Brazil	107	87	67	35	13
Southern South America	5	2	1	0	1
<b>Total</b>	<b>1106</b>	<b>819</b>	<b>627</b>	<b>247</b>	<b>84</b>

During the past year the previous trend, that Tropical stations slowly disappear, continued throughout the world with a loss of about 10 stations. A year ago the Total was 92. The reason is, that other media get higher priority, than keeping elderly Shortwave transmitters alive.

### Here are some of the stations on the Tropical Bands, which have closed down during year 2019:

<b>kHz</b>	<b>kW</b>	<b>Station</b>	<b>Country</b>	<b>Last log</b>
3200	50	TWR, Mpangela Ranch	Eswatini	JUL19
3265	50	WBCQ, Monticello, Maine	USA	AUG19
3345	10	RRI Ternate, Pro. Maluku Utara	Indonesia	MAY19
4760	8	AIR, Port Blair, Andaman	India	FEB19
4775	50	TWR, Mpangela Ranch	Eswatini	NOV19
4835	0,1	OZY R, Mount Razorback, NSW	Australia	JAN19
4845	10	R Cultura, Manaus, AM	Brazil	MAR19
4895	50	AIR, Kurseong, Paschim Banga	India	MAR19
4965	5	R Alvorada, Parintins, AM	Brazil	FEB19
5005	15	R Nepal, Khumaltar	Nepal	FEB19
5580	0,25	R San José, San José de Chiquitos	Bolivia	FEB19

(Anker Petersen)

### [WOR] Fw: [bdxc-news] Radio Emma Toc, SW plans



Hi BDXC! Just to let you know, I've started a new little project tied in with Radio Emma Toc - the 'Radio Emma Toc World Service'. This is a 30 minute monthly programme looking at the magic of radio & the story of 2MT. There will hopefully be relays arranged over the next month on shortwave covering America, Australia & Europe - further details to follow.

Listener participation is welcome! The aim is to raise awareness of the 2MT story before the centenary in 2022, & to enjoy our hobby of radio listening. You can listen to the online version now on - [www.emmatoc.com](http://www.emmatoc.com) - just click on the World Service page.

Any stations wishing to relay the programme are welcome - just get in contact at [emmatoc1922@gmail.com](mailto:emmatoc1922@gmail.com)

There is a little mention for BDXC under the 'Our Friends in Radio' section!  
(Best wishes, Jim Salmon via WOR)

## Re: [WOR] Falklands/Malvinas War history of radio

FYI, I made an entry in my blog about this topic back in 2014.

<https://lagalenadelsur.wordpress.com/2014/04/01/la-radio-y-el-conflicto-de-malvinas/>.

(73 de Horacio Nigro via WOR)

## HAM Radio Messe 2020

Wie schon vor einigen Wochen vermutet müßen wir uns auch von der Idee einer HAM Radio Messe 2020 verabschieden.

Auf meiner Webseite gibt es aber die fotografischen Rückblicke zu vielen Jahren HAM Radio in Friedrichshafen. <http://ratzer.at/galerien>

(Christoph Ratzler via A-DX)

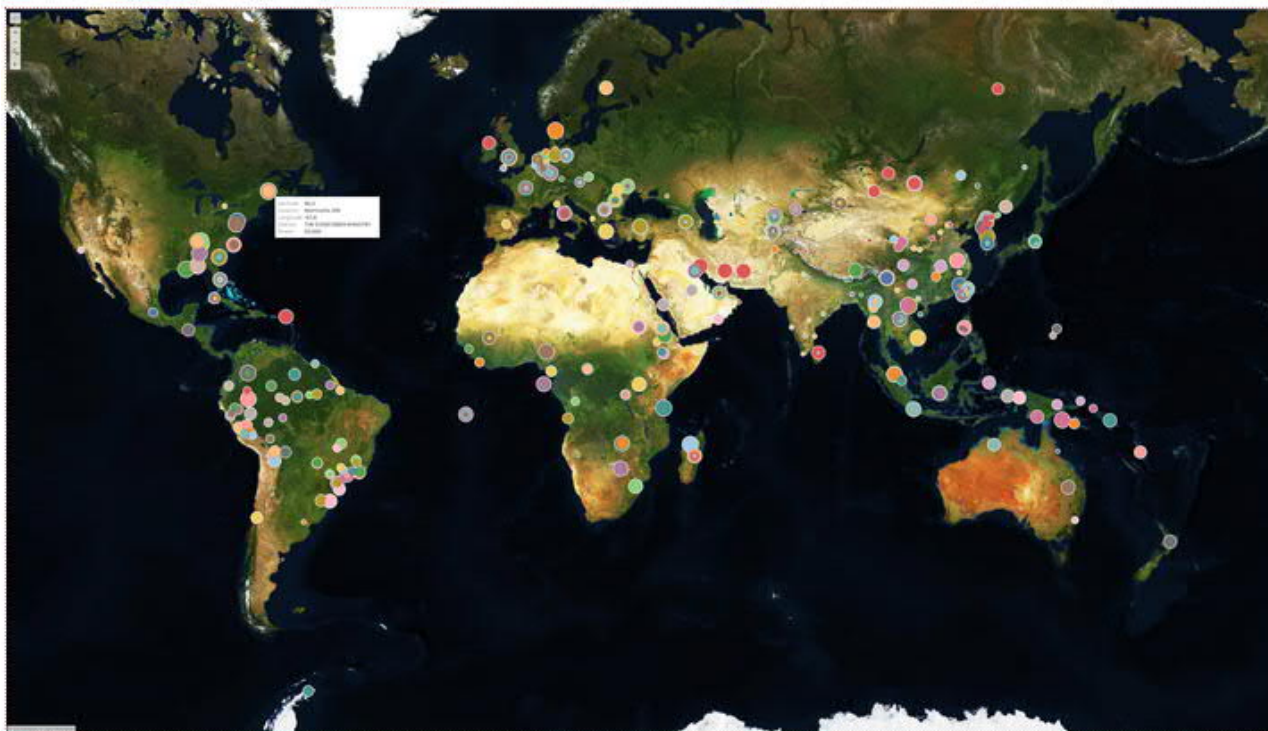
## [WOR] HF Broadcasters: interactive map

Hi - recently, I transferred all HF Broadcaster's location from ILGRadio list to an interactive map on free Tableau Public software, see: <https://dk8ok.org/2020/04/13/hf-broadcast-still-in-in-fine-health/>

This map is interactive in some ways:

- a mouse-over reveals the broadcaster's name, location, coordinates and the power of the transmitter (or that of one of the transmitters at a center)
- zooming-in presents you with an aerial view of the aerials ... where the resolution of the underlying satellite maps permits As HFCC/ITU and WRTH data isn't sufficient in many aspects to do this task, I decided to use Bernd's decades-long and somewhat detective work to visualize these data.

Why Tableau? Well, Google Map oder Google Earth etc. might deliver a better resolution, but only Tableau allows for presenting also some statistic data, like number of transmitters per site or weekly wirtime, or power, multiplied by air-time etc. Hopefully, ther will be some future to add this also.



(73 Nils Schiffhauer, DK8OK via WOR)

## Video: Antonio's Kenwood R-2000 Modifications

Antonio Fernandez, who is in Spain, posted this on the Extreme page. Very interesting R-2000 mods:

Major modifications are adjustable RF GAIN (using the former TONE control), BFO Pitch control (former AM Squelch, FM Squelch is retained) and DSP Audio filtering for SSB and CW. Internal DSP module is SOTABEAMS Laserbeam Filter Module. The former DIMMER and NB push switches are used for switching on (bypassing) the DSP module and bandwidth (CW, SSB) selection.

See the video here: <https://www.youtube.com/watch?v=SKrJBoctASI&feature=youtu.be>

(From SWLing Post: <https://swling.com/blog/2020/04/video-antonios-kenwood-r-2000-modifications/> )

## The long life of Goliath.

Author: Vitaliy Toroptsev.

If you go from Nizhny Novgorod along the Arzamas highway, then near the village of Druzhny, Kstovsky district, you can see two dozen very high openwork masts, between which wires are stretched. From afar, you may get the impression that this is some kind of electric power industry object or even a military structure. The latest version is true - this is military unit No. 36026, which is much better known under its German name - the super-long-wave radiostation "Goliath". Its history began 75 years ago, and then the Goliath served the Kriegsmarine submariners ...

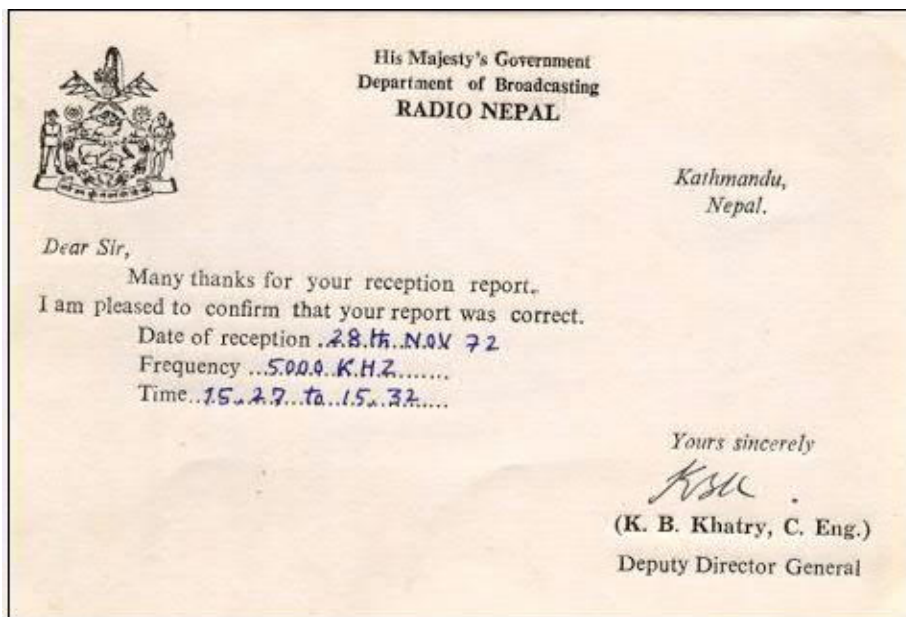
Text and photo ...

Source: QRZ.RU [https://www.qrz.ru/articles/article\\_goliath-long-life\\_826](https://www.qrz.ru/articles/article_goliath-long-life_826)

(<https://vk.com/dxing>)

(RUS-DX # 1077)

## Finally some old QSL cards found on the net



**Radio Nepal** on 5000 kHz from 1972.

More QSL's in this collection can be found here:

<http://www.brue-der.de/coll/qc/index.htm>

## Radio Barlavento Cabo Verde

This QSL is from 1958. In the 1960'ies the background color was changed to light green.



**Rádio Barlavento** was active from 1955 until 1974. It was broadcasting on 3930 kHz.

From 1947 until 1955 it was called Rádio Clube do Mindelo.

In 1974 it was seized by members of the Partido Africano da Independência de Guiné-Bissau e Cabo Verde - [PAIGC](#), who sought to "get the station out of hands of those who aligned with colonial power."

After this the station became Radio Voz de Sao Vicente.