

SHORTWAVE BULLETIN

Issue no. 1973, April 4, 2021

Deadline e-mail next issue: 0800 UTC, April 18, 2021

Thanks to Ronny Forslund we can show you some very interesting verifications from the past.

It is so sad that so many stations have left short-wave. I remember when I started DX-ing in the beginning of the 60'ies how many Indonesian stations there were on the Tropical bands.

With a good antenna and listening at the right time many of them could be heard. I have a few old tape recordings in the drawer and those ought to be converted to mp3-files before the old tape recorder is thrown away.

Anker Petersen has compiled a new Tropical Bands Monitor which can be downloaded for free. Anker – thanks a lot.

For those interested in the new ELAD S3, keep an eye at <http://arcticdx.blogspot.com/> where Bjarne Mjelde soon will add his in depth comments after performing some initial tests.

Keep on

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SWB-info

SWB on HCDX: <http://www.hard-core-dx.com/swb>

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: 6205, R.O.C.V., El Tigre, received eQSL card in on hour.

Email address for reception reports: robertlozada86@gmail.com



R.O.C.V. Internacional 6205 KHz
Confirmación de recepción de nuestra señal
Para: Manuel Mendez
Desde: Lugo, España
Fecha: 27 De Marzo Del 2021
Hora UTC 0605 - 0710
Sinpo: 15321
El Tigre, Anzoátegui, Venezuela



**Tropical
Bands
Monitor**

The Danish Shortwave Club International

The Tropical Bands Monitor

(TBM) is a register of all active broadcasting stations on 2300 - 5700 kHz as heard and reported by Dxers somewhere in the world, listed month by month. It is a supplement to the **Domestic Broadcasting Survey (DBS)** and has been issued since 2005.

Latest Issue: Click here to download the latest edition of **TROPICAL BANDS MONITOR**

<http://www.dswci.org/tbm/>

(Anker Petersen)



3310	Mar30	0118	Radio Mosoj Chaski, Cotapachi, Bolivian songs, Quechua, comments. (Méndez)
3310	Mar20	2130	R. Mosoj Chaski, Cochabamba. Quechua, tks. 25331 (CGS)
3310	Apr4	0135	R. Mosoj Chaski is doing well, S5-S7 into Brasília #2 Kiwi SDR, Andean music, intervals of Quechua talk, but tonight I want to listen to their stream at sign-off. Listen Live link at website goes to: <i>mail.galcom.org:8000/Mosoj-Chaski-Radio</i> but it won't connect. mail? Same link for pre-recorded broadcasts. Galcom, they of the fixed-tuned radios so you're stuck listening only to the station that distributed it. Back to 3310 via Bsla2 before 0200 to hear the big hum resume at 0201.5 until off at 0207*. This would be the best time for Quechuans to listen to it, avoiding being evangelized out of their original eligion. (Glenn Hauser, OK, WOR)
3320	Mar22	2135	Pyongyang BC Stn, Pyongyang area. Songs, tks. Occ. uty. QRM. 15341 (CGS)
3325	Mar29	1212	Voice of Indonesia, via Palangkaraya, on March 29, with the second consecutive day of audio. Nice! 1212 - After the news in Japanese, ending with the distinctive national song "Bagimu Negeri" (For You Our Country). 1307+ - After the news in English, ending with the national song "Bagimu Negeri"; followed by "Today In History" (this date in 2010, the Moscow Metro bombings, etc.); "Indonesian Wonders," "Let's Speak Bahasa Indonesia" ("The house is white. The houses here are green," etc.); "Music Corner"; many IDs, giving this frequency; several PSA's in BI for COVID-19. (Ron Howard, Asilomar State Beach, CA, USA)
3480	Mar20	1827	Voice Of The People (cland.), Goyang. Kor to KRE, tks. // 3910, 3930. 35342 (CGS)
3910	Mar22	1938	Voice Of The People (cland.), Goyang. Kor to KRE, tks. Jammed. // 3930 better. 34342 (CGS)
3915	Mar20	2232	BBC, Kranji relay. WS in E to SEAs, interview. QRM de NAM amateurs. 44343 (CGS)
3920	Mar31	1914	R.Piepzender (t), Zwolle. Pops. T-ID via DX press. 25342 (CG)
3930	Mar20	1829	Voice Of The People (cland.), Goyang. Kor to KRE, tks. 34341 (CGS)
3930	Apr1	2015	Voice of the People, via Goyang, South Korea Korean talk // 3910, 4450, 6520 and 6600 – all strongly jammed (AP-DNK)
3945	Mar23	2212	R.Echo Of Unification (cland.), Chongjin. Kor to KOR, tks. 25331 (CGS)
3955	Apr1	2020	R Korea International, via Woofferton German talk, music (AP-DNK)
3955	Apr1	2202	Channel 292, Rohrdorf. Pops. 35443 (CG)
3975	Apr1	2040	Shortwaveradio, Winsen English talk, pop songs (AP-DNK)
3985	Mar23	2210	Shortwaveservice, Kall-Krekel. German talk. (AP-DNK)
3985	Apr1	2045	R Belarus, via Shortwaveservice, Kall-Krekel German talk about scientific work abroad, song (AP-DNK)
3990	Mar28	1737	Xinjiang BPS, Urumqi. Uighur, songs. 35433 (CGS)
3995	Apr1	2050	HCJB, via Weenermoor German "Abend Journal" about COVID19 in Paraguay, hymn, 2100 news, 2103 organ music (AP-DNK)
4055	Mar23	-0620*	Radio Verdad, Chiquimula, English, religious songs and comments, id. in various languages, anthem and close. (Méndez)
4055	Mar27	0139	no signal from R. Verdad: gone again. A report to the WOR iog at 0609 UT March 26: " <i>Radio Verdad, Chiquimula, out of air again --- Manuel Méndez, Lugo, Spain: Asking via email, Édgar Madrid says transmitter burned out again. Here the mail from the station: "Se nos volvió a quemar. En eso estoy. Édgar Madrid"</i> " (Glenn Hauser, OK, WOR)
4750	Mar29	1840	Bangladesh Betar, Shavar, English, comments, Bangladesh songs. (Méndez)
4750	Apr2	1808	Bangladesh Betar, Shavar. E, nx, local mx, Koranic prayer. 35332 (CG)
4752.5	Mar21	2243	R. Huanta 2000, Huanta. Cast, songs, advs. 35342 (CGS)
4765	Mar30	-0359/*	Radio Progreso, La Habana, comments, Latin American songs, id. "... orgullo de Radio Progreso", song "Esta tarde vi llover" by Armando Manzanero and closed. (Méndez)
4775	Mar30	0120	Radio Tarma, Tarma, Spanish, comments, Peruvian songs. (Méndez)
4775.1	Mar20	2234	R.Tarma, Tarma. Cast, songs. 35443 (CGS)
4800	Apr1	2105	Voice of China, Golmud Chinese ann with children voices, pop songs, // 6000, 6080, 6125 and 7230 (AP-DNK)
4820	Apr1	2110	Xizang PBS, Baiding, Tibet Chinese ann, Chinese songs // 5935, 6050, 7240 and 7450 (AP-DNK)
4840	Mar21	1014	WWCR, Nashville TN. E, rlg. propag. Incesinglu fluttery. F/out 1040. 25442 (CGS)
4880	Mar25	1339	Echo of Hope – VOH. News headlines in English; this station noted recently with more than the usual number of English news segments! (Ron Howard, Asilomar State Beach, CA, USA)

4880	Mar24	1932	R. Echo of Hope (cland.), Nowong-gu. Kor to KRE, Engl. lang. lesson. 35443 (CGS)
4885	Apr1	2130	Echo of Hope, via Taereung, South Korea Korean talk // 5995 and (6350 noise QRM) (AP-DNK)
4885	Mar30	0310	Radio Clube deo Pará, Belém, relaying Radio Bandeirantes “Madrugada informativa, aqui na Radio Bandeirantes”, “radiobandeirantes.com.br”, (Méndez)
4885	Apr1	2206	R.Club do Pará, Belém PA. Natl. nx magazine A Voz do Brasil. 35332 (CG)
4885	Mar24	2201	R. Dif. ^a Acreana, Rio Branco AC. Natl. nx magazine A Voz do Brasil. QRM de B. 32441 (CGS)
4900	Mar31	0908	Voice of Strait 4900 & 4940. Tuned in to find prominent open carriers, long before their programming audio started. (Ron Howard, Asilomar State Beach, CA, USA)
4905	Apr1	2135	Xizang PBS, Baiding, Tibet Tibetan interview of singing girl, pop music // (4920 CWQRM), 6110, 6130 and 7385 (AP-DNK)
4930	Apr1	2035	VOA Africa Service, via Moepeng Hill English ann, lively African pop music (AP-DNK)
4940	Mar30	0326	UNID religious station, Spanish, religious comments, at 0459 “Son las 12 con cincuenta y nueve minutos”, songs. (Méndez)
4949.8	Mar22	1940	RNA-Canal "A", Mulenvos. Reg. nx. 35332 (CGS)
4950	Mar30	0126	AIR Kashmir, Vernacular, comments. (Méndez)
4950	Mar21	1732	R. Kashmir, Srinagar. Ind. lang., tks. 25342 (CGS)
4955	Mar21	2247	R. Cultural Amauta, Huanta. Cast, rlgs. propag. 35342 (CGS)
4960	Apr1	*2029-	VOA, via Pinheira English ID, "Yankee Doodle", 2030 Hausa ID, news (AP-DNK)
4965	Mar29	1840	Voice of Hope Africa, Lusaka, English, religious comments. (Méndez)
5009.9	Mar20	1823	R. TV Madagasikara, Ambohidrano. Malagasy, tks. 25331 (CGS)
5025	Mar29	0940	R.Rebelde, Bauta. Tks. 15341 (CGS)
5040	Mar21	1736	AIR Jeypore, Odisha. Tks. 25331 (CGS)
5050	Apr3	2359	WWRB is on already with gospel huxters, lo fi, who believe in UFOs but not in ungodly vaccines, S9+30 into Virginia SDR and of course also well audible here. At 0000 April 4, same g.h. inserts legal ID for `WWRB outta Manchester, Tennessee`. Still going at 0135, 0208 chex, the latter also into Brasília I had up to hear Chaski. And still at 0309; 0342 a screaming YL huxter. So WWRB is back in business. Dave let his license expire last fall and had to stay off the air while going thru FCC red tape to get it back again. Harold Frodge had reported WWRB on 3185 last UT Sunday but did not mark it as a momentous event: ``U.S.A.: 3185 WWRB Manchester TN; 0150-0203+, 3/28; Hymns to 0200:32 EE religihuxter interrupted @0202:18 w/WWRB ID into dif-ferent religihuxter on “Challenge”. S20 peaks. 3185 not listed on their web program guide (Frodge-MI)`` Meanwhile, switched to summer frequency 5050, presumably as before only active at weekends. (Glenn Hauser, OK, WOR)
5055	Mar31	0915	Radio 4KZ. Pop song; Marvin Gaye - "I Heard It Through The Grapevine"; heard at a level that allowed for easy IDing of songs. (Ron Howard, Asilomar State Beach, CA, USA)
5875	Apr1	1139	R Thailand. Still hearing Thai at this time, so the new schedule has not started yet! (Ron Howard, Asilomar State Beach, CA, USA)
5895	Mar29	2001	Radio Northern Star, Bergen, pop and rock songs in English, id. “From the top of the World... Radio Northern Star”, at 2030 identification song “Radio Northern Star, Bergen, Norway”, “It’s ten thirty”. (Méndez)
5915	Mar29	1950	Zambia NBC, Radio 1, Lusaka, Vernacular, comments, African songs. (Méndez)
5915	Mar22	2133	ZNBC-R. 1, Lusaka. Vn, tks, phone-ins. Adj. QRM. Rtd 2143. 24342 (CGS)
5915	Apr1	2150	ZNBC, Lusaka Vernacular ann, Afropop (AP-DNK)
5930	Mar21	1235	World Music R, Bramming. Danish ID, Danish and Brazilian pop songs. (AP-DNK)
5930.3	Mar30	0410	Voz Missionaria, Camboriú, religious comments. (Méndez)
5939.4	Mar21	2249	R.Voz Missionária, Camboriú SC. Rlgs. propag., songs. 35443 (CGS)
5970	Apr2	0920	R 208, Hvidovre, ID: "Radio 208, The Rock of Copenhagen" 3// 1440 MW (AP-DNK)
5980	Mar21	1220	R Viola, Hillerød via groundwave. English ID: "You are listening to Radio Viola, Denmark", Danish ID, pop music. (AP-DNK)
5995	Mar30	0555	Radio Mali, Bamako, interval signal, anthem, id. “Vous écoutez L’Office de Radiodiffusion TV du Mali, emetant de Bamako...”, French, comments, African songs. (Méndez)
5995	Apr1	2155	R Mali, Kati Vernacular conversation (AP-DNK)
6005	Mar19	1455	Shortwaveservice, Kall-Krekel. Vernacular interview, I/S, 1500 SS news. (AP-DNK)
6010	Mar22	2131	R. Inconfidência, Belo Horizonte MG. Tks, songs. Adj. QRM. 24331 (CGS)
6015	Mar30	0330	Zanzibar Broadcasting Corporation, Dole, open transmission at about 0330, checked at 0310 and 0320 and no signal at that time. Swahili, comments. (Méndez)
6020	28.3	1700	Radio Delta International with popmusic and an ID. 2-3 (CB)
6045	Mar25	1437	VOF back on alternate frequency 6045 (ex: 5920). N. Korean super jamming dominates this frequency, so very poor VOF reception. Recently sent Jamie LaBadia, the radio engineer who installed the VOF's SW transmitter, an audio clip of my recent 5920

reception. He was very pleased to learn the VOF signal was still strong and the audio very good, along with no jamming. Sad that VOF has again moved to 6045, which is a terrible frequency assignment. Ex: 5920, heard with strong Vatican Radio signal, via Philippines, with Hindi music, so no VOF QRM!. (Ron Howard, Asilomar State Beach, CA, USA)

6065	Mar28	1815	Voice of Hope Africa, Lusaka, EE program "Wavescan", Bob Padula report. (Méndez)
6070	Mar30	0331	CFRX, Toronto, English, news, comments, advertisements. (Méndez)
6085	Mar15	1455	R Mi Amigo, Kall-Krekel.English pop songs, ID: "Mi Amigo" (not // 7310 !). (AP-DNK)
6090	Mar29	1820	Voice of Amhara State, Addis Ababa, East African songs. (Méndez)
6110	Mar29	1907	Radio Fana, Addis Ababa. Strong QRM from CRI with Russian program. (Méndez)
6115	Mar26	1505	R. NZ Pacific. E, tks. 15331 (CGS)
6130	Mar28	1200	Lao National Radio. Recently (including March 28) at 1200 UT, checking here for any trace of the LNR ringing of bell/gong 7 times, but clearly only Tibet being heard (// 6200), with no hint of any QRM. LNR has been gone for a long time now! (Ron Howard, Asilomar State Beach, CA, USA)
6135.1	Mar29	0503	Radio Aparecida, Aparecida, religious comments, songs, id. "A Rede Aparecida de Radio", "Santuário Nacional". (Méndez)
6135.1	Mar23	2218	R. Aparecida, Aparecida SP. Nx magazine A Voz do Brasil. Adj. QRM. 34443 (CGS)
6140	Mar27	1818	Radio Onda, Borculo, pop songs, id. "Radio Onda". (Méndez)
6150	Mar21	1455	Europa 24, Datteln, pop songs in English, at 1500 time signals, id. "Europa 24", German, news, comments. (Méndez)
6160	Mar24	0733	Pyongyang BS. Thanks very much to Hiroshi for this timely tip; tuned in to hear very good reception; it was not till about 0940, that I had positive confirmation was // 3320, which was much weaker than the strong 6160. Hiroshi speculates that this new frequency is ex: 6400, which would seem right. (Ron Howard, Asilomar State Beach, CA, USA)
6170	3.4	0645	Scandinavian Weekend Radio, Virrat Finnish ann, pop songs (AP-DNK)
6170	Mar28	1622	R. NZ Pacific, Rangitaiki. E, tks, ..., wx at 1642, ..., nx 1700, ..., IS. Improving, but always under adj. QRM. 24331 (CGS)
6185	Mar30	0401	Radio Educación, Ciudad de México, Latin American songs, "Boleros",id. "Cultura México, Señal Internacional, una emisora de Radio Educación, Servicio Nacional de Comunicación", at 0433 "Radio Educación presenta, un año con Mozart", comments about Mozart and classical music. (Méndez)
6214.92v	Mar29	1400	Sound of Hope. The now normal, very nice fair reception; never with any time pips; usual ID and into the news in Chinese. Sorry, I have been rather cavalier about reporting this frequency; in the past it was often slightly on the low side of 6215, but today, more so than usual. (Ron Howard, Asilomar State Beach, CA, USA)
6245	Mar25	2231	R. Echo of Hope (cland.), Hwaseong. Kor to KRE, tks. Jammed. 33431 (CGS)
6250	Apr2	1836	R.Echo of Hope (cland.), Hwaseong. Kor to KRE, tks, mx. Jammed. 23341 (CG)
6355.1	Mar21	1927	R. Echo of Hope (cland.), Hwaseong. Kor to KRE, tks. Jammed. 34342 (CGS)
6370.1	Apr2	1817	Sound Of Hope R Int'l, unk. site. Mand to CHN, tks. 25342 (CG)
6520	Apr1	2210	Voice Of The People (cland.), Goyang. Kor to KRE, tks. Jammed. 24431 (CG)
7140	Mar29	1620	Voice of Broad Masses, Asmara, Vernacular, comments. Strong ham QRM. (Méndez)
7200	Mar28	1102	National Unity Radio [non-log], checking 1102, to find they have finally left this frequency, so it is now clear for ham use. (Ron Howard, Asilomar State Beach, CA, USA)
7205	Mar29	0510	Sudan Radio, Al Aitahab, Arabic, comments, East African songs. (Méndez)
7245	Mar28	1114	R. NZ Pacific, Rangitaiki. E, BBC rpt., pops, tks. A21 sched. has 0959-1258 Mo-Fr only. 35342 (CGS)
7345	Mar25	-1430*	Thazin Radio, from 1411 to 1430*. Doing not too badly against CNR1 QRM, also on frequency; music and announcer; fortunately CNR1 was mostly talking, so fairly easy to tell them apart. (Ron Howard, Asilomar State Beach, CA, USA)
7345	Apr1	1200	The Voice of Guangdong-Hong Kong-Macao Greater Bay Area (CNR7). Time pips and full ID with distinctive "FM" references, identical to Amano's informative posting - https://radio.chobi.net/DX/bbs/?res:4805 . Formerly was CNR1 here. My audio is at http://bit.ly/3fzjOIP . (Ron Howard, Asilomar State Beach, CA, USA)
7385	Mar29	1600	PSB Xizang, Lhasa, English, program "Holy Tibet", news, comments. (Méndez)
7385	Mar24	0905	CNR5 heard on 7385 (fair) // 9685 (almost good) // 11620 (almost fair); mostly music being played, no ID at BOH and didn't make out any ID; 9685 & 11620 went off at 1000*; 7385 continued on and became // 9410. Perhaps other listeners did better than I did with getting an ID? BTW - On 9410 // 9774, noted Fu Hsing BS (Taiwan) closing down close to 0901* UT today. (Ron Howard, Asilomar State Beach, CA, USA)

 Sorry for the confusion: I heard the attached ID from their stream on Monday and asked Takahito, who said, that it may not have started yet, as the original announcement was a

future. But as Ron found out today it has. So I think all is well. (Best regards, Mauno Ri-
tola)

7420	Mar28	-1800*	Radio Northern Europe International, Noratus, pop songs, id. (Méndez)
7730.2	Mar23	2214	Sound Of Hope R Int'l, unk. site. Mand to CHN, tks, mx. 25331 (CGS)
7810.1	Apr2	2200	Sound Of Hope R Int'l, unk. site. Mand to CHN, tks. 25342 (CG)
9095	Mar26	0539	Echo of Hope - VOH. News headlines in English; news in English and Korean. March 27 (Saturday), weekend schedule at 1131, with the usual reading in English and Korean of a "Harry Potter" story. (Ron Howard, Asilomar State Beach, CA, USA)
9100	Apr2	2203	R.Echo of Hope (cland.), Hwaseong. Kor to KRE, tks. 15341 (CG)
9410	Mar31	-0859*	9410 // 9774, Fu Hsing BS. In Chinese and playing some music; at 0843, had a brief language lesson, with words being repeated, but too weak to tell the language; poor reception, but improving by sign off. (Ron Howard, Asilomar State Beach, CA, USA)
9475	Apr1	1249	National Unity Radio , ex: 7200. Brief Chinese language lesson; started and ended with Joyce Chu singing "Hao xiang ni - I Miss You"; mostly in Korean; gave a few words in Chinese and a sentence using the words; poor, as N. Korea jamming had already started here by 1150. This seems rather strange to me, as the whole time they were on 7200, they were never jammed (not even once!). (Ron Howard, Asilomar State Beach, CA, USA)
9505	Mar20	1716	Voice of Africa, Al Aitahab, English, id. "The Voice of Africa, the forum of all Africans...", news, comments. (Méndez)
9535	Mar24	1502	as I tuned in, the KNLS IS heard once and then VP algo. But sked for Chinese at 1400-1500 only, so next language/frequency must have come on late. Was checking whether Cuba were off already instead of 1600* during standard time (Glenn Hauser, OK, WOR)
9630	Mar31	1716	CNR17. In Kazakh, with an English language lesson; the usual multi-language intro ("Hi. Hello. Ni hao [Chinese for "Hello"], How are you?" "Welcome to RSR[?]""); strong whistling; "Monday evening we went to . . .", "Last day of the year," "We went to the town center to welcome the New Year," etc.; not very readable; unable to hear // 6145. (Ron Howard, Asilomar State Beach, CA, USA)
9635	Mar22	0940	R. Voice Of Vietnam, So Tay. Viet, tks. QRM de MLI. 23431 (CGS)
9635	Mar29	1510	Radio Mali, Bamako, African songs, Vernacular, comments. (Méndez)
9635	Mar29	1155	R.Mali, Kati. Vn, mx, F, [wrong] fqs. ann., px L'Ambience. 45444 (CGS)
9650	Mar30	0632	Radio Guinée, Conakry, French, comments, African songs, "La Radio Nationale de la Republique de Guinée" "Bonne reception à tous", news, "Radio Guinée, 24 heures sur 24, Radio Guinée, la grande maison". (Méndez)
9650	Mar29	1157	R.Guinée, Sonfonia. Extrem. weak audio. Was hrd. w/ fair audio earlier in the morning. 45444 (CGS)
9665	Mar29	2030	Voz Missionaria, Camboriú, news. (Méndez)
9665	Mar29	1006	R.Voz Missionária, Camboriú SC. Nx. QRM de CHN on 9665 + KRE on 9634.933. 23431 (CGS)
9700	Mar22	1240	R. NZ Pacific, Rangitaiki. Pacif. lang., tks. 25442 (CGS)
9818.8	Mar29	2005	Radio 9 de Julho, Sao Paulo, religious comments. (Méndez)
9818.8	Mar28	1120	R. 9 de Julho, São Paulo SP. Tks. 15331 (CGS)
9835	Mar22	0944	Sarawak FM via RTM, Kajang. Tks, songs. F/out. 25432 (CGS)
9835	Mar28	1050	Sarawak FM, via Kajang (on the west coast of the Malaysia peninsular - not from Sarawak). The distinctive Islamic Maghrib (sunset prayer) call-to-prayer; later at 1159-1202, the Isa'a (night prayer) call-to-prayer; these are just two of the five daily Islamic prayers: fair. (Ron Howard, Asilomar State Beach, CA, USA)
11665	Mar22	0949	Wai FM via RTM, Kajang. Tks, mx. Adj. QRM. F/out 1105. 34432 (CGS)
11665	Mar28	1029	Wai FM, via Kajang. Finally the audio quality is somewhat better than had recently been broadcast. (Ron Howard, Asilomar State Beach, CA, USA)
11745	Mar31	1830	Firedragon jammer S7-S9 with deep fading, against nothing, but RFA in Chinese via Kuwait is scheduled this hour only. No sign of Sa`udi AFRS `Al-Azm` either, but even without the jammer this would be a mess in target. Still past 1846. Meanwhile I check the 11.0 and 13.0 MHz areas but still no sign of any ChiCom jammers, CNR1 or FD (Glenn Hauser, OK, WOR)
11750	Mar23	1709	City FM via SLBC, tk, www slbc+-, IND+- mx, ID in tk, adv "People's way"-mobile banking, 2 OM tk ab Wesren Union, IND+- mx. (TB)
11769.9	Apr4	0637	Voice of Nigeria, Abuja Lugbe, Hausa, comments, mentioned "Nigeria", African songs. (Méndez)
11780	Mar29	1945	Radio Nacional da Amazonia, Brasilia, comments, id. "Radio Nacional da Amazonia", Brazilian songs. (Méndez)
11815	Mar22	2116	R. Brasil Central, Goiânia GO. Folk songs px, tks. Vy. weak audio. 25442 (CGS)
11835	Mar30	0508	CNR2. As Glenn has already mentioned: <i>JBA carrier presumed R. Vanuatu, 3945 x 3; but nothing heard on 7890 = 3945 x 2. Will 11835 have a CCI problem in A-21? Yes,</i>

tentative HFCC shows nothing on 11835 but CNR China, 150 kW, 257 degrees from Xi'an site at 0000-1300! There was nothing at all in B-20 (Glenn Hauser, OK, WOR)"

March 30 (Tuesday), heard Radio Vanuatu (harmonic), CNR2 and CODAR mixing together at 0508 UT, on 11835; with RV playing island music; noted CNR2 going off the air after the 0600* time pips; yes, CNR2 is not always on past 0600+. On March 31, did hear them on long after 0600+. Not sure just what the CNR2 schedule is?

Which days have 0600*? Happy to still find CNR2, at BoH, with their usual brief English ID - "This is C-N-R Business Radio," which is not given at ToH. (Ron Howard, Asilomar State Beach, CA, USA)

11885	Mar28	1830	VoVTN aus Son Tay in Deutsch 18.30-19.00 schönes 11885 kHz Signal, piano mx und mx Programm, S=9+15dB (ex7280 kHz in B-20), und eigentlich eher schwach S=8-9 // auf 9730 kHz im 31 mb, 18.47 UT. Nach den 8 kHz away Spurious-Abweichungen in den vergangenen Wochen heute wieder genaue Kanalfrequenzen im Einsatz. (73 wb)
11895.2	Mar28	2039	R.Boa Vontade, Pt.° Alegre RS. Rlgs. propag. // 9550 off. 35443 (CGS)
13840	Mar28	2037	R. NZ Pacific. E, interview, local nx. Adj. QRM. 33442 (CGS)
15190	Mar31	*1730-	R. Pilipinas, *1730-1929*. Started out very poor, but later was mostly fair; in Filipino/Tagalog with long segment about the Philippine national COVID-19 vaccination plan; // 9960 (unusable) // 12120 (partly readable). (Ron Howard, Asilomar State Beach, CA, USA)
15190	Mar29	2006	Radio Inconfidencia, Belo Horizonte, program "A Hora do Fazendeiro", id. "Rede Inconfidencia de Radio", comments, Brazilian songs, "Inconfidencia apresentando A Hora do Fazendeiro, com Tina Gonçalvez". (Méndez)
15190.1	Mar29	1055	R.Inconfidência, Belo Horizonte MG. Px Em Boa Companhia, w/ songs px, infos, wx rpt. Deteriorating. 25442 (CGS)
15475.98 -RCUSB	Apr3	1459	LRA36 is JBA S1-S2, via Brasília SDR, historical narrative, Malvinas war timeline as we are into another April anniversary. They won't get over it. 1504 insert non-ID as "Nacional, la Radio Pública" --- could be this stuff originate in Bs. As., and now on the only SW station of, if not in, Argentina? 1510 music, 1521 announcement that this will repeat Saturday at 15 horas. Yup. Then closing until next Wednesday, song about another base, Marambio until 1527. Now I've switched to Pardinho which gets a better S7-S8 signal. 1537 "sign-on" with IDs in Spanish, German, English and algo. 1542 the Antarctica song, 1545 about the Malvinas war again, but dumped off the air unceremoniously at 1547.5*. Early on I did check own receiver for any trace of a JBA carrier, but none (Glenn Hauser, OK, WOR)
15476U	Mar24	-1650*	LRA 36, Radio Nacional, Arcángel San Gabriel, Base Esperanza, songs, talks, id. "Nacional, para todo el país", strong fading. (Méndez)
15790	Mar28	1050	World Music Radio, Randers, songs, id. "World Music Radio". (Méndez)
15790	Mar28	1135	World Music R, Randers. Mx & songs. Best via the K9AY aerial. 25342 (CGS)
17805	Mar28	0830	Vatican Radio, Santa Maria de Galeria, Portuguese, special Palm Sunday, Mass and Blessing of the Palms transmission. (Méndez)
17820	Mar28	0835	Vatican Radio, Santa Maria de Galeria, English, special Palm Sunday, Mass and Blessing of the Palms transmission. (Méndez)
6230	Mar28	-2049*	VMW Marine Weather Station. Wx warnings. 25342 (CGS)
6507	Apr2	1806	VMC Marine Weather Station. Wx warnings. 25331 (CG)
8113	Apr2	1804	VMW Marine Weather Station. Wx warnings. 25331 (CG)
8176	Apr2	1800	VMC Marine Weather Station. Wx warnings. 25341 (CG)
12362	Mar28	1631	VMW Marine Weather Station, Wiluna WA. Wx warnings. 25341 (CGS)
12365	Apr2	1802	VMC Marine Weather Station, Charleville QLD. Wx warnings. 25342 (CG)

Pirate Stations

4870	Mar22	2153	Mystery R 21 - pir. Pops. 35443 (CGS)
4875	Apr1	2204	Mystery R 21 - pir. Pops. 35443 (CG)
4890	Mar26	1809	Mike R, Heerde. Du/E, pops, e-mail addr. ann. for rec. rpts. 45444 (CGS)
4895	Mar27	1849	R.Pacman - pir. Du, pop mx, tks. ID via DX press. 45444 (CGS)
5140	Apr1	2208	Charleston R Int'l - pir. Oldies. 35342 (CG)
6205	Mar30	0430	R.O.C.V., El Tigre, Latin American songs, identifications: "En Venezuela son las ..., reporte su sintonía.. somos R.O.C.V a nivel internacional", also morse code, Venezuelan songs, "llaneras". Strong fading. (Méndez)
6205.031v	Mar23	0005	0005, 0007, 0010.5 between tunes, Radio Onda Corta Venezuela is now inserting Morse Code IDs as ROCV. S7 into Bonaire SDR, the AM signal remains rather distorted but

			sounds less so when tuned in SynchAM mode. Another one at recheck 0120 (Glenn Hauser, OK, WOR)
6210	Mar27	1855	R.King Shortwave - pir. Pops. ID via DX press. 25342 (CGS)
6260	Mar7	1807	R.Parade Int'l - pir. E, songs, e-mail addr. ann. Poor audio. *** Wrong country code: not HOL, it's G.*** 25342 (CG)
6270	Mar26	1752	Continental R - pir. Du, pops, Dutch songs, tks. 45444 (CGS)
6275	Mar26	1747	R.Black Bandit - pir. Du/E, c&w, light songs, tks, said would move to 6287 to avoid causing QRM. 45444 (CGS)
6280	Mar26	2156	KR-1 R - pir. Du/E, pops, tks, oldies. 35443 (CGS)
6285	Mar20	1831	R.Black Bandit - pir. Du, pops, polkas. 35443 (CGS)
6285	Mar27	1853	KR-1 R - pir. Du/E, pops, tks. 35443 (CGS)
6287	Mar26	*1801-	R.Black Bandit - pir. Du/E, Polish polka, pops. 45444 (CGS)
6290	Apr2	1834	Panda R - pir. Pop mx. Country & stn ID via DX press. 35342 (CG)
6295	Mar21	1509	Reflections Europe - pir. E, rlg. propag. // 12255 vy. poor. 25342 (CGS)
6295	26/3	1749	R.Pioneer - pir. Dutch folk mx. 35443 (CGS)
6305.1	20/3	1833	R.Merlin Int'l - pir. E, pops, multi-lang. ID, tks. 25342 (CGS)
6385	Mar28	1652	R.Joey - pir. Pop mx. Country & stn ID via DX press. 25341 (CGS)
6985	Mar30	2203	R.The Vault - pir. Pops. 25342 (CG)
7760	Mar28	1655	R.El Dorado via R.Jan van Gent - pir. Pops. Country & stn ID via DX press. (CGS)

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) Ron Howard, Asilomar State Beach, CA, USA, WOR/DXLD Mauno Ritola, Finland	(CG)/(CGS), Carlos Gonçalves, Lissabon, Portugal TB, Tomas Burian, Morava, Moravia Manuel Méndez, Lugo, Spain CB, Christer Brunström, Halmstad, Sweden
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Station news

ARMENIA. Radio Northern Europe International Test Broadcast

We're having a test transmission from Armenia this Sunday at 17:30UTC (18:30UK, 19:30CEST) on 7420 kHz. We'll be trying different processing methods on different songs too so would love your feedback on which song has the best audio quality on your equipment.

Our full post on the website about the transmission mentions the full list of countries expected to receive a strong signal and the ones expected to receive a good signal during this test. I really hope you get to listen to us and that this works well.

We are testing next month a group of 9670 kHz beam broadcasts too, listed on our website, to Africa, Northern Europe and Asia so check those out if you are able to!

Wishing you all the best health and happiness during these times,

Roseanna, Radio Northern Europe International, <https://www.rnei.org> qsl @ rnei.org
(Radio Northern Europe International)

CHINA. [WOR] China National Radio "Radio The Great Bay" formal A21 schedule

China National Radio & Television Administration announced on March 26 the formal A21 schedule of the China National Radio's 7th program "Radio The Great Bay" as follows.

SW

2055-0000 7345 (Kashgar 500kW 308degrees)
2055-0100 9745 (Kashgar 500kW 106degrees)
0000-1100 15500 (Beijing 150kW 180degrees)
0100-1805 13770 (Kashgar 500kW 106degrees)
1100-1805 7345 (Beijing 100kW 175degrees)

MW

1215 (Zhuhai 50kW, for cities along the mouth of Pearl River)

FM

98.0 (Guangzhou)
101.2 (Zhongshan, for Shenzhen and Hong Kong)
93.2 (Foshan)
105.4 (Zhuhai, for Macau)

Original article is at <https://cahcn.github.io/posts/2021-03-26-CMG-A21.html>.

FM broadcast is also relayed at Guanzhou TV transmitting station (102.7MHz), Zhaoqing (94.9MHz), Dongguan (104.0MHz), all in Guangdong province. Online broadcast is at <https://dwqzs.radio.cn/pc.html>. Transmitter information was add by myself referring A21 HFCC list etc.

/Takahito Akabayashi, Tokyo, Japan
(via WOR)

CHINA. [WOR] CHINA "Cross-Strait Radio" updated information

According to Cahcn information site, China National Radio's 5th program was formally reorganized to "Cross-Strait Radio" on March 24.

The detailed schedule on SW and MW is as follows;

SW

5925 2055-0000 1000-1705
7385 2055-0000 0900-1705
9410 0000-1705
9685 0000-1000
11935 0000-0900

MW

549 (1200 kW) 2055-1705
765 (600 kW) 2055-1705
837 (1000 kW) 2055-1705
1116 (600 kW) 2055-2230 0955-1705 (time will be adjusted further)

Original article is at <https://mp.weixin.qq.com/s/Le9yf9C9AJTE39ycK0jxBQ>

All the frequencies except 9410kHz are registered in A21 HFCC as Beijing 100kW 163 degrees. 9410kHz is registered as 9420kHz.

/Takahito Akabayashi, Tokyo, Japan

(via WOR)

GUATEMALA, 4055, Radio Verdad, Chiquimula, out of air again. Asking via email Édgar Madrid says transmitter burned out again. Here the mail from the station: "Se nos volvió a quemar. En eso estoy. Édgar Madrid"
(Manuel Méndez)

ITALY. Marconi Radio International.

Marconi Radio International on air on 5th April 2021 on 11390 kHz with a power of 250 watts

Glad to announce that Marconi Radio International has got a new power amplifier and is now being able to broadcast with a power in the region of 250/270 watts AM mode. The first broadcast with this new equipment is planned on 5th April 2021, from 0900 to 1030 UTC with a repeat from 1600 to 1730 UTC. The frequency? 11390 kHz. Our e-mail address for reception reports is marconiradiointernational@gmail.com

Last but not least, we need your help! If you are a DX blogger, or use social networks, please post an announcement on your own blog and/or Facebook or send out a tweet. You can also forward this message to a friend.

(Manuel Méndez)

KOREA SOUTH. March 29 (Monday) - Frequencies for this week:

VOH: 3980 // 4885 // 5990 // 6250 // 6348 // 9100, at 1035.

VOP: 3480 // 3910 // 3930 // 4450 // 6520 // 6600, at 1030.

Voice of Freedom: 6045, at 1040 and mixing badly with N. Korea super jamming.

6135, was clear frequency at 1040, but at 1159 re-check, heard super jamming here again; SJ is on the air rather erratically!

(Ron Howard, Asilomar State Beach, CA, USA)

Other radio news

The Bodnar Mini Precision GPS Reference Clock: A Perfect Tool for the Perseus SDR



Bjarne Mjelde says on his website: *Older SDRs aren't very stable. Well, compared to old boatanchors and even newer conventional receivers, +/- 1 ppm is excellent. But when keeping track of the offsets of stations is an important factor in MW DX-ing, we do not want the radios to drift. The Perseus SDR, though a magnificent radio in so many aspects, does drift*

Read the full story how to use a GPS reference clock as a high accuracy tool for reliable frequency readout.

See <http://arcticdx.blogspot.com/2021/04/the-bodnar-mini-precision-gps-reference.html>

(Bjarne Mjelde, Arctic DX)

The riddle of the passage of radio waves in the medium wave range. In Russian.

It will focus on the temperature dependence of the signal levels of terrestrial radio waves in the MW range. For more than 10 years, regular monitoring of the airwaves in MW and LW, constant communication and business assistance from Vladimir Timofeevich Polyakov made it possible to answer many questions regarding the propagation of terrestrial radio waves in MW and LW. Several articles published in the CQ-QRP journals have been devoted to this topic. However, along with the resolved issues, there remained a mystery that interested not only me ...

Full article - https://vk.com/radioreceiver?w=wall-163779953_49797%2Fall

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

(RUS-DX # 1127)

A secret radio with "inhuman" voices was discovered on the Russian air.

How long have you listened to radio on long, medium and short wave? Probably a long time ago (and those who are younger, maybe never at all). What was there before is understandable: a lot of stations, conversational and musical. During the 2010s, most of these stations died quietly - it is foolish to spend a lot of money on the maintenance of transmitters that few people listen to. But, firstly, the most stubborn still remained, and secondly, more and more new broadcasters constantly appear on the air, not always legal ...

More details in Russian - http://onair.ru/main/enews/view_msg/NMID_79774/

(OnAir.ru)

(RUS-DX # 1127)

(A-DX mailing list) Radios Folkloricas y Huaynos

Welche Onlinestationen Mittel-Südamerikas senden heutzutage noch vorwiegend Huanjos wie seinerzeit einige unserer Liebling Tropenbandsender?

/Dirk Nees

Falls sich wer fragt, was das ist: <https://de.wikipedia.org/wiki/Huaino> <https://radios.com.pe/folk/>

Für weitere siehe rechts in der Liste: "Estaciones relacionada"

Radio Santa Rosa - <https://tunein.com/radio/Radio-Santa-Rosa-1051-s140935/>

Música Andina Huaynos - <https://securestream.conectarhosting.com:8136/live>

Radios Folkloricas y Huaynos - <https://www.fullradios.com/2012/06/radios-de-huayno.html>

Vieles da veraltet.

Alternativen: <https://www.radiosenvivodeperu.com/2014/08/RadiosdeHuayno.html>

<https://www.radiosenvivodeperu.com/2016/11/inkasolar.html>

<http://node-17.zeno.fm/qbxevpqrbruv>

oder auf anderen Plattformen:

live: <https://youtu.be/ZB5so-4GTWI>  RADIO TROPICAL 98.9 FM DESDE LIMATAMBO PE

file: <https://youtu.be/gQdLJjmvvtM>

oder:

<https://sphere-radio.net/episoden/island-time-25-with-mama-tora-2/> (mp4/aac ca. 80 kbps ~30 MB) fast 1 h, gute Stereoqualität)

<https://www.mixcloud.com/SphereRadio/music-island-time-radio-25-with-mama-tora-25022021/>

<https://www.mixcloud.com/SphereRadio/education-la-revuelta-15-grandes-compositores-e-int%C3%A9rpretes-de-los-pa%C3%ADses-bolivarianos-2103/>

Man findet viel wenn man danach sucht.

/roger

oder auch hier:

La Voz del Campesino (PRU) - 6956.6 kHz – 2000 <https://my.mail.de/dl/dc32b224062a5466b1fbf07c93640ff4>

R Comas (PRU) - 3250.8 kHz – 2000 <https://my.mail.de/dl/a86eba2bc6c65ce0651678a7b442bccd>

R Cusco (PRU) - 6193.5 kHz – 2003 <https://my.mail.de/dl/2e54f990d37a8328c53c67d3be073631>

Die Aufnahmen enthalten neben der Stationsansage eher zufällig noch einige Takte der legendären Huayño-Klänge.
¡buen escuchar!

/Michael Schnitzer

NB! For those who want to dig deeper in other types of Latin American music please check the fantastic work by Henrik Klemetz and Jay Novello: **Latin American Music Styles** with samples in MP3 format. This article was updated in June 2011.

Go to <http://www.thomasn.sverige.net/LAMusicStyles.html>

/TN

Tivdio V115 mini radio



Interesting article on my experience with Tivdio 115:
<https://zachs-radiopage.blogspot.com/2021/01/tivdio-v115-mini-radio.html>
(Zacharias Liangas)

NEW HISTORY MATERIAL AT <<http://www.ontheshortwaves.com>>

This time we have several new entries, all in "Specialized Resources." In "The DX Recordings of Colin Miller" we have posted a new entry: FEBC Radio International, Manila, Philippines, from the mid-1970s. The voice is that of FEBC co-founder Bob Bowman. *Tnx, Colin.*

Tetsuya Hirahara is a longtime Japanese DXer who has specialized in Latin America and made many recordings of his loggings, some of which were made while traveling in the Americas. Previously we have posted a number of his recordings in "DX History-I/Recordings." Now we have moved these to a new section called "The DX Recordings of Tetsuya Hirahara," and added 13 recordings from Guatemala and a nice recording of the Voice of Asia, Taiwan, soon after it came on the air in 1979. We look forward to posting more of Tetsuya's recordings in the future. *Tnx, Tetsuya.*

And we do some DX traveling with Adrian Peterson via these new "Wavescan" stories: (1) "500 Refugees on a Cannibal Island [Emirau]" (Wavescan N628, March 7, 2021); (2) "Moonbounce Radio" [radar] (Wavescan N629, March 14, 2021); (3) "Moonbounce Radio-2" [radar] (Wavescan N631, March 28, 2021); (4) "The Radio Scene on Rugen Island [Germany]" (Wavescan N629, March 14, 2021); (5) "Kermadec Earthquake" (Wavescan N630, March 21, 2021); and (6) "Australian Shortwave callsign VLU" (Wavescan N630, March 21, 2021). *Tnx, Adrian. /Jerry Berg*

[WOR] The cesium atomic clock is now getting obsolete? Poor Boulder.

I guess the clock at the National Bureau of Standards isn't good enough anymore because it's slower than the speed of light. So the proponents of optical clocks infer:

Move Over Cesium Clock, Optical Clocks Are Taking Over

We normally think of atomic clocks as the gold standard in timekeeping. The very definition of a second — in mod...

<https://hackaday.com/2021/03/26/move-over-cesium-clock-optical-clocks-are-taking-over/>

I shall continue to be an impossible person so long as those who are now possible remain possible.

(via Clara Listensprechen)

Train radio communication to Selgu. In Russian.

Video: https://vk.com/radioreceiver?z=video-163779953_456241339%2F978474a0eae7b4e237%2Fpl_wall_-163779953

My method of rebuilding the Selga radio receiver to receive train radio communications. This method can be used to rebuild almost any Soviet receiver. Don't forget that the closer your location is to a train station or train station. however, the greater the assurance that you will be taking ORS. When rebuilding the receiver, do not forget to replace the electrolytes.

P. S. I do not force anyone to remake "Selga", this is just a demonstration of my method, so for those who start whining they say "why spoil the receiver", once again carefully reread the postscript. (<https://vk.com/radioreceiver>)

((RUS-DX # 1126))

"Sverdlovsk": the first transistor receiver of the USSR at Expo-58 # 43 Subject stories. In Russian.

Video: 6:27

https://vk.com/radioreceiver?z=video-163779953_456241345%2F336762232f8a26ec70%2Fpl_wall_-163779953

Another exhibit under the heading "Subject stories" is the first in the USSR transistor radio "Sverdlovsk" from the permanent exhibition of the Museum of Radio named after AS Popov (Yekaterinburg, Rosa Luxemburg st., 9/11). You will hear the incredible story of the invention of the Sverdlovsk radio receiver and its triumph at Expo 1958 in Brussels. In addition to the receiver itself, you will also see the Atmosphere-2 and Iskra radios from the collection of the Radio Museum. Senior Researcher Boris Koshelev tells how the first Soviet transistor receiver is connected with the radio faculty of UPI and NPO Avtomatiki, how the Sverdlovsk radio receiver in 1958 appeared at the fourth World Exhibition in Brussels and why it never entered mass production. Shooting - Alexey Travkin, Alexander Rybkin Editing - Alexey Travkin.

Learn more about the A.S. Popova: <http://uole-museum.ru/museums/muzej-radio-im-a-s-popova/>

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

((RUS-DX # 1126))

Radiotekhnika tuner T-101 STEREO. In Russian.

Video: 3:43 <https://www.youtube.com/watch?v=GbrQi1988-4>

(<https://vk.com/public158109176>)

((RUS-DX # 1126)

[WOR] shortwave propagation simulator (HF-START) service

<https://swling.com/blog/2021/03/hf-start-web-tool-a-new-web-based-real-time-shortwave-radio-propagation-application/>

HF-START Web Tool: A new web-based, real-time shortwave radio propagation application

Many thanks to SWLing Post contributor, Tracy Wood, who shares the following journal abstract from EurekaAlert.com: Commencement of shortwave propagation simulator (HF-START) service

Demonstrating radio wave propagation paths between any two points based on real-time space weather information

NATIONAL INSTITUTE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY (NICT)

[Abstract]

The National Institute of Information and Communications Technology (NICT, President: TOKUDA Hideyuki, Ph.D.), in collaboration with Electronic Navigation Research Institute, National Institute of Maritime, Port and Aviation Technology (ENRI, Director General: FUKUDA Yutaka) and Chiba University (President: TOKUHISA Takeshi), has started the service of shortwave propagation simulator (HF-START). It provides real-time shortwave propagation that reflects real space weather information from ground-based observations and model calculations. The HF-START web system has been successfully developed and is now available at <https://hfstart.nict.go.jp/>.

The web calculation function of this system allows shortwave propagation between any two points in Japan based on real-time GNSS observations and between any two points on the Earth based on model-based space weather information. Real-time estimation is possible. The calculation in the past and up to about 1 day ahead in the future is also possible. In addition to amateur radio, HF-START is expected to benefit efficient frequency operation of aviation communications that relies on shortwave in the polar route.

[Background]

Communication and positioning technologies play an important role in social infrastructure in various fields today. The ionosphere has regular temporal cycles and fluctuates greatly every day associated with solar activity and space environment. Of benefit to us is the fact that ionosphere is good at refracting shortwave, which is why we can hop shortwave signals off the ionosphere to communicate with people over large distances.

Shortwave band has been used for communication and broadcasting for a long time, and are still widely used in radio broadcasting, aviation communication, amateur radio, etc. Ionospheric variation, however, has a great influence on the propagation of radio waves. Communication environment such as the communication range and usable frequency changes significantly due to the influence of the ionospheric fluctuation. Thus, fluctuations in the ionosphere affect the operation of shortwave broadcasting, aviation communications, and amateur radio.

There have been websites that provide estimated information on how radio wave propagation changes due to such ionospheric fluctuations. The problem is that it is based on a simple model and does not reflect realistic ionospheric fluctuations.

[Achievements]

We have developed a shortwave propagation simulator HF-START that estimates and provides shortwave propagation information in real-time under realistic ionospheric fluctuations based on ground-based observations and model calculations. We open real-time information estimated by HF-START, and the web application at <https://hfstart.nict.go.jp/>.

Figure 1 shows an example of visualization of shortwave propagation by HF-START. In this system, the user can check the radio wave propagation information that is updated in real-time. As shown in Figure 2, the user can also use the web application to estimate and visualize radio wave propagation by specifying any frequency in the range of 3-30 MHz, any two points on the Earth, and any transmission angle. The date and time can be set retroactively to the past (after 2016), to the real-time, and in the future (up to about 1 day ahead).

The system can be used to visualize the radio propagation path and clarify whether it is affected by space weather when the shortwave you are using does not reach the destination, or when you can listen shortwave broadcasted from the far source that normally you cannot hear. Furthermore, in addition to amateur radio, it is expected to benefit efficient frequency operation of the aircrafts that use shortwave in polar route.

[Future Prospects]

We are conducting research and development to extend the HF-START to estimate radio wave propagation not only in the shortwave band but also in other frequency bands. In addition, we will evaluate the simulator accuracy and improve it by comparing it with radio wave propagation observations.

NICT has been providing information related to communications, satellite positioning, and radiation exposure since November 2019 as a member of the Global Space Weather Center of the International Civil Aviation Organization (ICAO). With the HF-START service, we expect to improve the information provided to directly relate to communications, such as communication range information. As the abstract mentions, you can use the tool online now via the HF-Start Web Tool.

Thanks so much for the tip, Tracy. This is fascinating! Spread the radio love

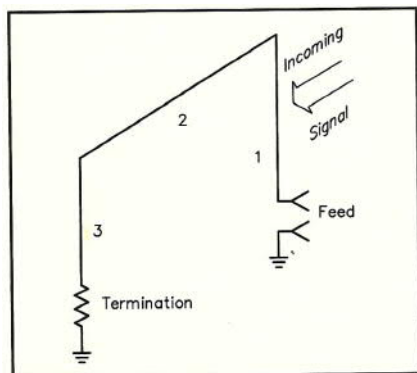
I thought on "HF-START Web Tool: A new web-based, real-time shortwave radio propagation application"
/Tracy Wood, March 28, 2021 at 12:00 pm

The README for using the tool is here: https://hfstart.nict.go.jp/readme_e.html

"GNSS" is a generic term for global navigational satellite systems – GPS, GLONASS, etc.

(via WOR)

Size of EWE antenna (from A-DX mailing list) (Google +TN translation from German)



Michael Schnitzer wrote: *But I still think that with the dimensions 4: 1 in size and everything should be correct.*

That's exactly where I doubt again ... what do we have here?! A 2 element antenna polarized vertically! NOT resonant because it has a terminating resistor.

The horizontal wire is therefore a phase line (almost non-radiating). At least that is how this antenna is described everywhere.

So Michael was basically not completely wrong about increasing the vertical portion in order to generate more level (I don't want to speak of gain here ;-)). It should work but then the two vertical components should be the same size. If these are unequal, the phase line with the radiating active part of the antenna begins and forms horizontally polarized lobes 90° to your original main working direction. They soften the nice sharp minimum in the back of the antenna and destroy the greatest advantage of EWE.

The horizontal wire is, I suspect, decisive for the working range of the antenna. You just have to try it or simulate it. A 2 ele antenna such as a Yagi or an HB9CV antenna have a defined distance between the two elements with an HB9 that is about 1/8 lambda! And we see that Mr. Koontz mainly used the antenna for 160 & 80mtr AFU so 40 feet or approx. 12mtr about 1/8 lambda for 80m but then he also determined that this antenna still shows a certain directional effect at 160 or 40m. Although the distance between the elements is not soooo optimal. Neatly set up and properly "closed" with good soil, you also get nice zero points generated on MW.

And what is the relationship to the frequency? Is there such a nice one Cardioids theoretically still at 100 kHz, or also 6 MHz?

See above on 6 MHz, it can work well but on 100 kHz probably not anymore. An EWE optimized for e.g. 1.5 MHz would then have a phase line of approx. 25 meters.

Probably it works so well with Michael because he is already heading in the right direction for MW with his rather long 18m!

/Dirk Nees

I have it then just for the sake of interest made an antenna simulation (4NEC2) ... maybe also interesting for one or the other. I simulated the following EWEs ... starting with the first standard version that I found, namely a 3m-10m-3m version (3m high x 10m long) Assuming only the "antenna gain" to be expected compared to a full-sized dipole.

All simulations are for 1.5 MHz:

- | | |
|--|---|
| 1. 3-10-3 = -33.9dB | 5. 4-18-4 = -28.1dB Michael's current version |
| 2. 4-10-4 = -31.6dB | 6. 12-18-12 = -18.8dB |
| 3. 7-10-7 = -26.3dB | 7. 18-25-18 = -13.8dB |
| 4. 7-18-7 = -23.3dB Michael's possibly planned version | |

Michael: therefore you can count on just under 5 dB or just under 1 S-unit, which I consider to be a respectable plus for the relatively low effort. (for 4-18-4 compared to 7-18-7).

I really took it to the extreme for the medium wave ... 2x18 m GRP masts at a distance of 25 m from each other, well, the job is already going well, unfortunately this big antenna doesn't work so well on SW because it is just over the 25 meters distance with a worse front-to-back ratio and is too big already on the 60m band.

I wish I had such options (luxury problems) ...

happy Easter

/73s Dirk Nees

 Very impressive, Dirk! I find it interesting that the horizontal part of the EWE also makes a certain contribution to the signal strength with increasing length (cf. 3 & 4), at least in the simulation. Another finding from the figures would be that the search for an "optimal" length-height ratio is more or less obsolete. Increasing both parameters has a positive effect on the level, independently of one another.

/Michael Schnitzer
 (all items via A-DX)

The LTV G133H is the military version of the Collins 51S-1 receiver

The LTV G133H is the military version of the Collins 51S-1 receiver. The United States Air Force contracted with LTV Electrosystems Inc. to augment the Collins 51S-1 receiver for military use.



It has heavy shielding to withstand a nuclear electromagnetic pulse. Although the front panel looks different, the knob arrangement is basically the same as the 51S-1, but the knobs are all different shapes and various colors. This reportedly was to aid the operator to control the radio if blinded by a nuclear blast.

One interesting aspect of this radio is that the lettering above the controls is backlit so that it shows in the dark. Some of pictures are with the lights dimmed in the shack to show the lighted display of the lettering on the panel.

This is a very hard to find radio. Actually, this is the only one I have ever seen that is the "H" model. Most of the ones manufactured were the "F" model. Osterman describes this receiver as "Very Scarce" in his book Shortwave Receivers Past and Present.

(From <https://www.hug-a-bug.com/G133H.html>)

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Some stations were one that I was accustomed to listen to during childhood at age of 8-9 years were AIR Vi-vidh Bharati & Radio Ceylon, AIR VB was into it's 10 years of establishment as an alternative to Radio Ceylon that was extremely popular in India on the shortwaves with quite a good choice for listener's in South Asia & English to the world, memories of childhood curiosity keep coming as I post this, let me also point out our refrigerator was where the telephone kept, I remember to find out some snack & a Bush transistor in my hand placed it near the phone and I was alarmed when the volume and signal improved

tremendously, from there it was that evoked a lot of curiosity & and asking silly questions to my eldest of all sister, are there little people inside it as Gulliver's travel was a story that caught my imagination, there began the tryst with the radio & radio waves in 1968-69, till date.

Here is something for many to lap up

(Keep safe friends, Sanjay Sutradhar via WRTH FB)

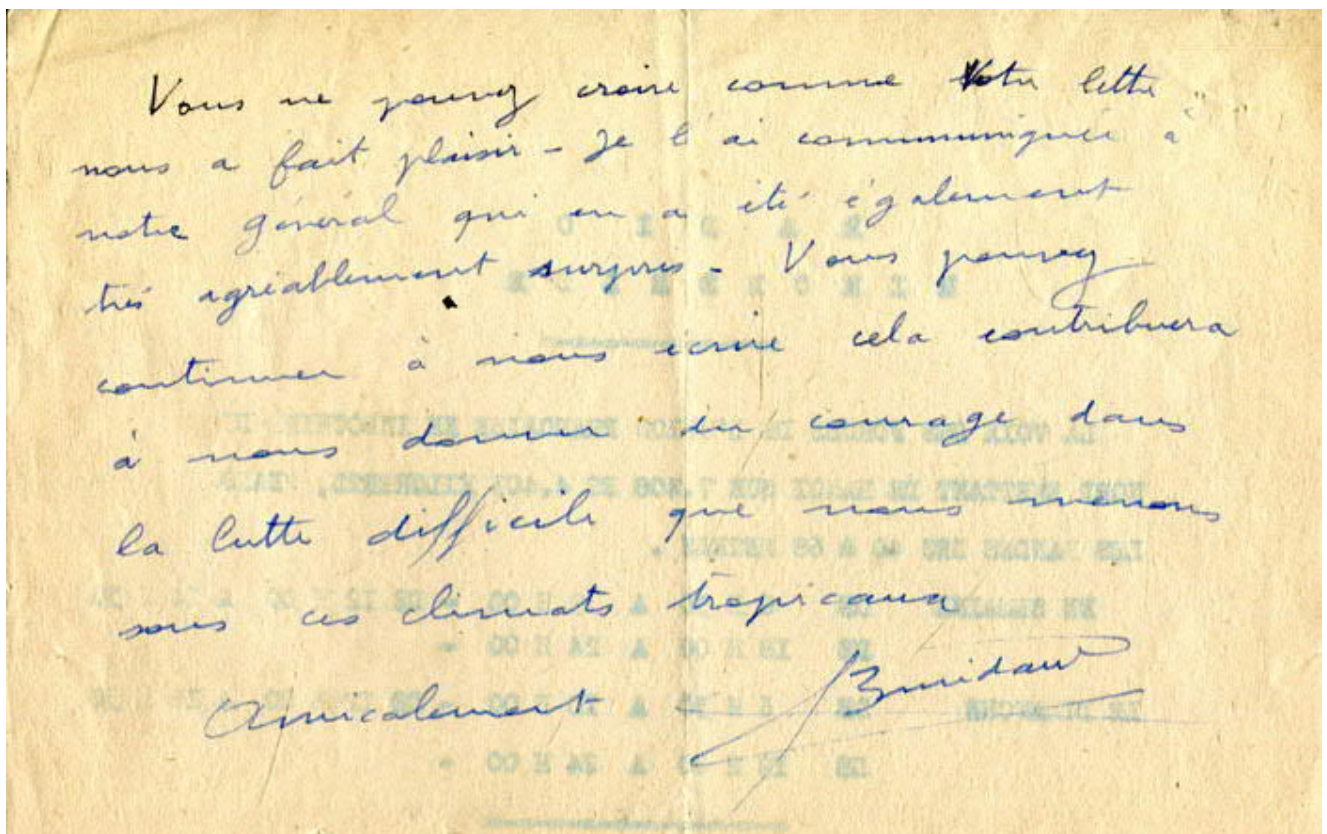
DX nostalgia by RFK

Hello and a Happy Easter to you all! Have you had time to search the bands yet? Oddly enough the international broadcasting bands seem to be full of signals although the number of stations is steadily decreasing. Some stations have a habit of occupying as many frequencies as possible. One might wonder why? Is shortwave radio still worthwhile? Is anybody still listening? Like Sweden many countries are today focusing on web radio so why are certain nations still broadcasting on SW at huge costs? Don't they trust the Internet? Anyway, it's good to see that SW is still alive and well.

First out this time is a real rarity from the collection of Lars Rydén LR. Radio Hironnelle (Radio Swallow) in the then French Indochina. Lars wrote an article about his catch in 1954 and he found the station in May the previous year while searching the bands for some interesting stations. He stopped at a weak station which had some nice music and the station ID was quite unexpected: "Ici Radio Hironnelle, La Voiz des Forces de l'Union Française en Indochine du Nord". Lars didn't know the address so he just sent his report to Radio Hironnelle, Hanoi. He didn't have high hopes of getting a reply as the war in Indochina was raging and the Viet Minh army was approaching Hanoi. But to his surprise a verification letter arrived about one month later. The letter was in English but on the back side of the enclosed programme schedule v/s Capt. Buridant had written a few lines in French.

Capt. Buridant wrote: "You would hardly believe what joy your letter has given us. I have shown it to our General and he was pleasantly surprised by it. Please feel free to write to us again as it will give us courage in our difficult struggle."

LR was the first DX-er in Sweden to report the station. Below the note from Capt. Buridant.



More about Radio Hironnelle and the radio in Indochina can be found at http://saigon-vietnam.fr/radio-saigon_en.php Here is the QSL letter which LR received from Radio Hironnelle.

RADIO HIRONDELLE

LA VOIX DES FORCES DE L'UNION FRANÇAISE EN INDOCHINE DU NORD

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ou S. P. 74.682 T. O. E.

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DIRECTION ARTISTIQUE & STUDIOS
Tél. : Haut-Commissaire 41
REGIE EXPLOITATION & REDACTION
Tél. : Eléphant 247

S.P. 74.682

Hanoi , May 29th 1953

Dear Sir ,

We have been much surprised and pleased by your letter dated 9th of May.

In fact , it's the first time that we have a reception report from SWEDEN and are very interested by the quotation - "4 and 5" - given by you.

Our type of transmitter is a S.I.P.L. 1 kws 5

Antenna : EAST - WEST 30 meters

PROGRAMS : (6,30 to 9,00) - (12,00 to 14,30) - (18,00 to 24,00)

OUR TIME

HOLIDAYS PROGRAMS : (6,30 to 10,00) - (12,00 to 18,30) -
(19,00 to 24,00) OUR TIME

After verification : your report is O.K.

Thanks for the greetings you send to the French Army and to us .

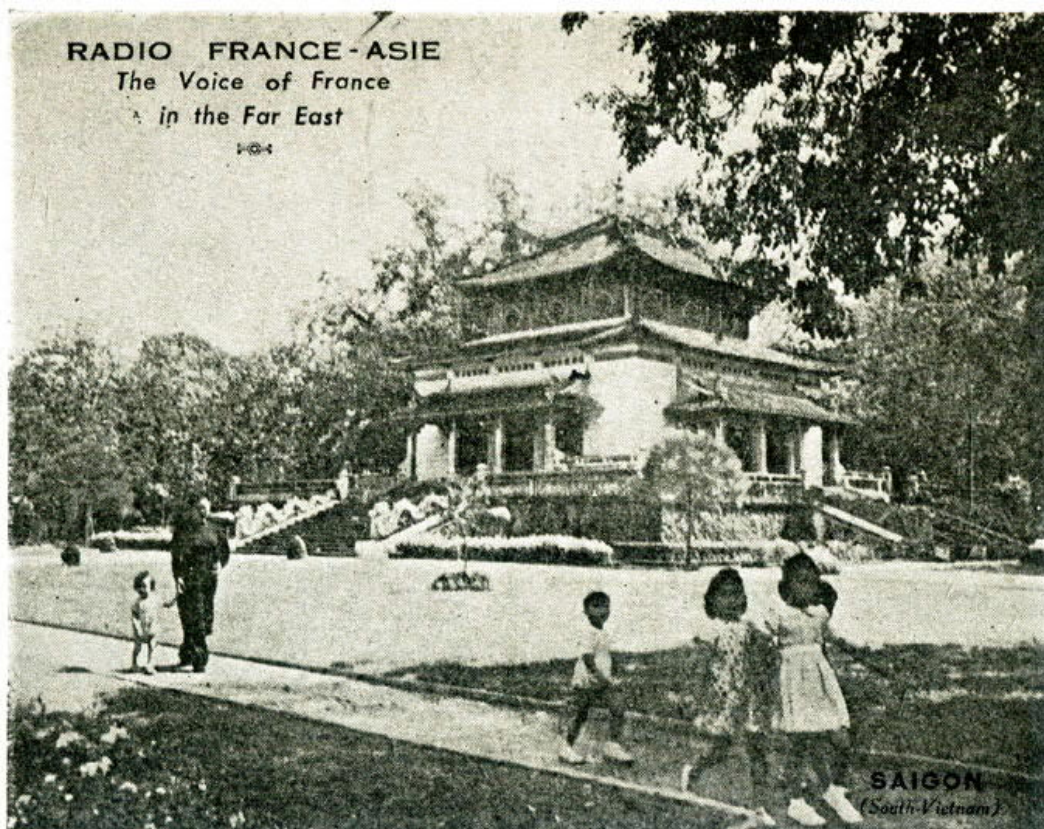
We remain, dear Sir ,

Yours faithfully

Le Capitaine BURIDANT

Directeur de "RADIO-HIRONDELLE"

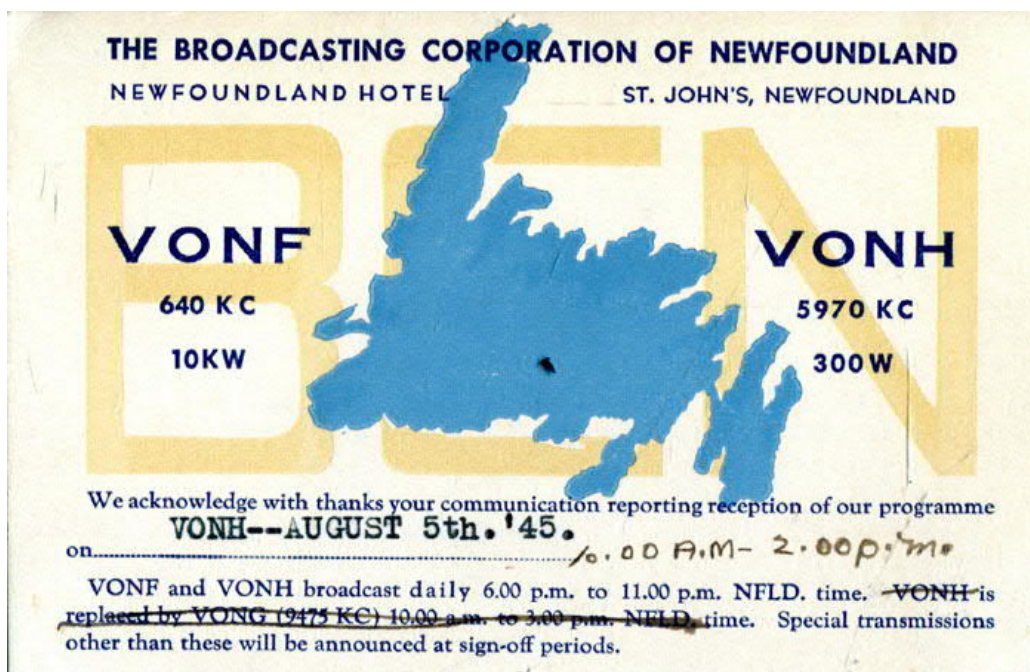
Another one of LR:s catches from French Indochina. He reported the station on three occasions in January and March 1952 and v/s Miss Magula apologizes for not having sent the QSL earlier. More about Radio France-Asie at http://saigon-vietnam.fr/radio-saigon_en.php



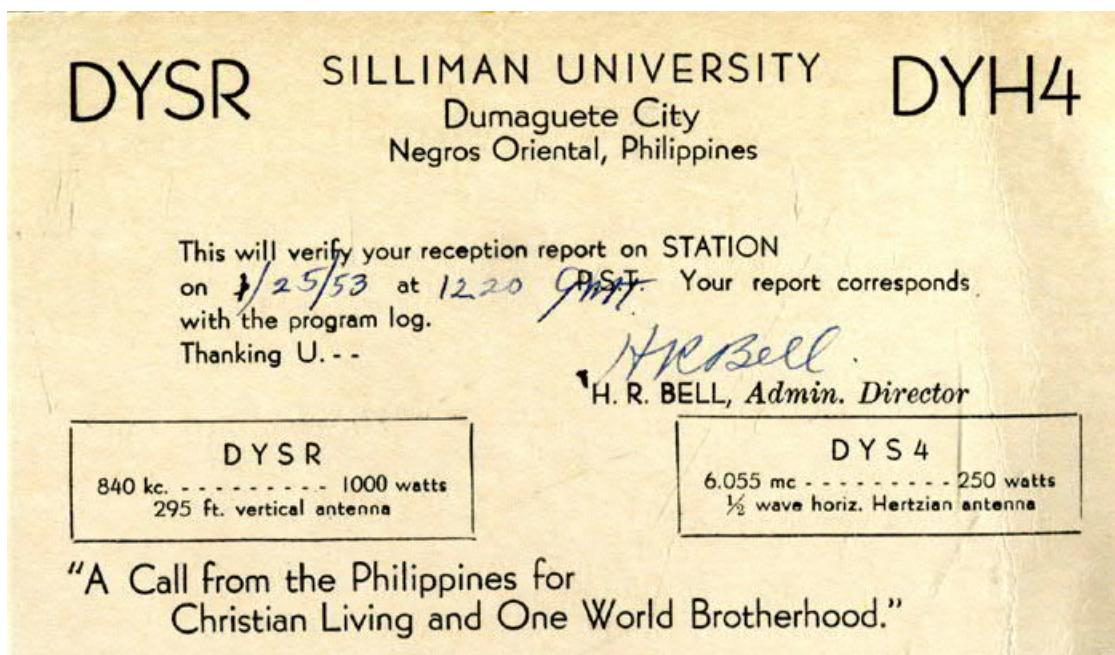
Over to Denmark and a QSLcard from Statsradiofonien which Ullmar Quick UQ received in 1951 for a report on 7260 kHz. It shows the new broadcasting house and the concert hall. The card was scanned by John Ekwall JOE.



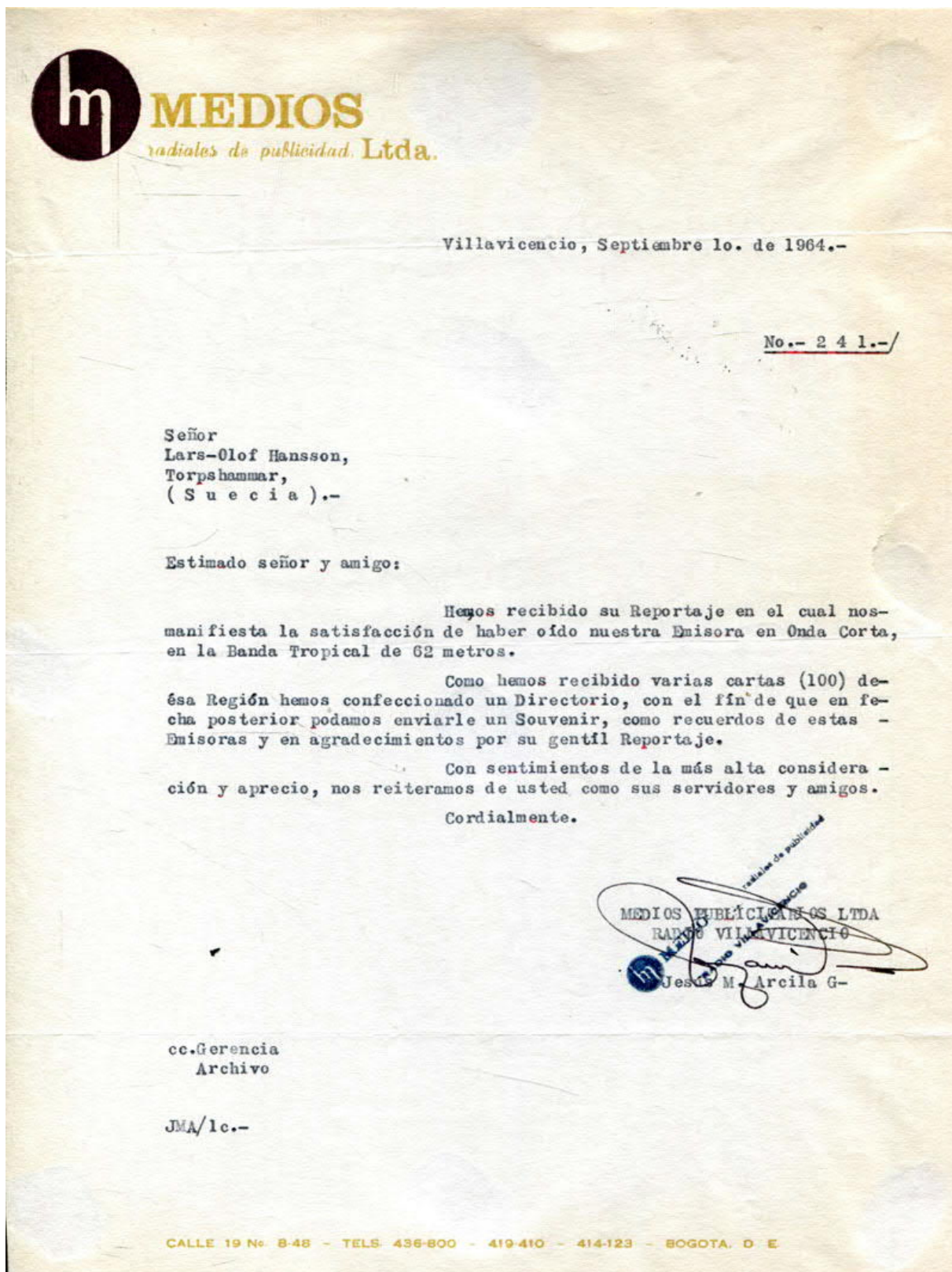
How many of today's active DX-ers have the radio country Newfoundland verified? Our friend Jan-Erik Räf JER actually has. He reported station VONH on 5970 kHz in 1945. Newfoundland was a British Dominion from 1907 to 1949 when it became a part of Canada. The station was operated by the Broadcasting Corporation of Newfoundland (BCN) and when Newfoundland joined Canada it became a part of the CBC network, operating as CKZN on 6160 kHz.



Another very rare QSL from the collection of Lars Rydén LR. SW station DYH4 was operated by the Silliman University at Dumaguete City in the Philippines and despite the moderate power of 250 W LR succeeded to catch their signal in February 1953. The station started in 1950 as a non-profit educational station. Today it is owned by the National Council Of Churches in the Philippines and broadcasts on FM only as SuRe Hits Radio.



Finally a QSL letter from the collection of Lars-Olof Hansson LOH and Colombian station Radio Villavicencio, reported in 1964. Until next time: take care and stay safe.



As usual your contributions to this section are welcome – just mail me at info @ rock.x.se.