

# SHORTWAVE BULLETIN

Issue no. 1992, Dec 26, 2021

Deadline e-mail next issue: 0800 UTC, Jan 9, 2022

Christmas Eve has just passed and here in Ängelholm we have had snow and quite cold for two weeks. We haven't had a white Christmas for several years and it fantastic to experience that again.

Also this year Corona has restricted Christmas celebrations. Let's hope things will improve during 2022 as most of us are very tired of this pandemic.

As you can see from the log it seems there is a growing interest in Pirate Radio. Most of those stations seems to verify quite frequently.

On the contrary a lot of mediumwave stations, especially from NA, seem to have blocked attachments from outside their organization and it is also difficult to find e-mail addresses on their websites where to send decent reports.

If you have something of interest for the DX-Nostalgia column just drop a line or two to Ronny Forslund.

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.

Wishing you all a Merry Christmas and a Happy new Year and hope to hear from you also in the coming year. /Thomas



Seasons greetings from Santa - carrying out important messages from North Pole Wireless Co.

## GLENN HAUSER LOG ROUNDUPS

Please note and spread the word - for those not on a list where my almost-daily all-band but mainly SW log reports appear -- or for those who are but find this a more convenient archive, weekly merged roundups of all these reports in their original form are posted early every UT Thursday via: <http://www.worldofradio.com/Hauserlogs.html>

The latest ones direct: [https://www.w4uvh.net/ghlogs\\_2021\\_1216\\_1222.txt](https://www.w4uvh.net/ghlogs_2021_1216_1222.txt)  
(73, Glenn Hauser)

**Christer Brunström: TW8H Hope Radio 9930 eQSL** for a test broadcast.

**Carlos L R de Assunção Gonçalves:** Still no SW coast observations; hopefully, some time after mid January.

In the HF file, there is a strange catch which is that of a station on 6265.8 observed yesterday 23rd inst., playing music but also airing numbers in E followed by an IS of a utility station which I seem to remember as being French, but may be entirely wrong. It is not the French one sending a musical IS (accordion tune) immediately followed by announcement sounding more or less like "vous écoutez une émission destinée au réglage des récepteurs de bord".

Seasons Greetings to all, and until next Saturday for another couple of files.

Robert Wilkner. Mosquito Coast - Merry Christmas --- 25 December ---- "Difficult reception here with antenna issues. Wishing all a Merry Christmas"

## Log

(UTC)

2598u	Dec13	0025	VCM St. Anthony, Newfoundland wx information fair (Wilkner)
3310	Dec25	0020	Radio Mosoj Chaski, CotapachiQuechua, comments, songs. Very weak. (Méndez)
3310	Dec13	2330	Radio Mosoj Chaski, Cochabamba in Quechua, music and chat, fading (Wilkner)
3320	Dec17	2125	PBS, Pyongyang Korean talk (AP-DNK)
3320	Dec11	2230	Pyongyang BC Station, Pyongyang.Tks, mx, songs. Occ. uty. QRM. 15341 (CG)
3330u	Dec13	2333	CHU time with strong signal (Wilkner)
3480	Dec11	2228	Voice Of The People (cland.), Goyang.Kor to KRE, tks. 15341 (CG)
3480	Dec17	2130	Voice of the People, via Goyang, South Korea Korean talk // 3910 (jammed) and 3930 (jammed) (AP-DNK)
3930	Dec23	2232	Voice Of The People (cland.), Goyang. Kor to KRE, tks. Jammed. 14341 (CG)
3955	Dec18	0250	Channel 292, Rohrbach U.S. English religious talk (AP-DNK)
3985	Dec11	1903	R.Bielorussia via Shortwave Sce., Kall-Krekell.G, nx. 35342 (CG)
3985	Dec16	2239	R.Echo of Hope.Kor to KRE, tks. No jamming hrd. 35432 (CG)
3990	Dec18	-0300*	Xinjiang PBS, Urumqi Uighur conversation (AP-DNK)
3990	Dec24	2240	R.Echo of Hope (cland.), Gyengi-do. Kor to KRE, tks. // 6250, 6355. 15341 (CG)
3995	Dec12	2205	HCJB, Weenermoor.G, rlg. propag., songs. 35433 (CG)
3995	Dec24	1905	HCJB Germany, Weenermoor, German, religious songs, comments. (Méndez)
4010.2	Dec12	1620	Kyrgyz Radio, Bishkek, Kyrgyz, comments, (Méndez)
4010.23	Dec18	0300	Birinchi R, Krasnaya Rechka Kyrgyz talk weak CWQRM (AP-DNK)
4450	Dec23	2234	Voice Of The People (cland.), Goyang. Kor to KRE, tks. QRM de CODAR. 23341 (CG)
4500	Dec18	0305	Xinjiang PBS, Urumqi Mongolian // 6190 (QRM 6195 BBC Oman) (AP-DNK)
4750	Dec24	1815	Bangladesh Betar, Shavar, Bangladesh songs, Vernacular, comments. (Méndez)
4765	Dec24	1856	Tajik Radio, Dushanbe, Tajik songs and comments. (Méndez)
4775	Dec25	0001	Radio Tarma, Tarma, comments. (Méndez)
4800	Dec15	2040	Voice of China, Golmud Chinese talk to piano music (AP-DNK)
4810	Dec20	0022	R. Logos, Peru, San Martin; religious music, male spanish talks. To avoid strong Stanag signal on 4810, i tried 4808 and got some signal of Logos. Unreadable, poor (LOB).
4820	Dec15	2045	Xizang PBS, Baiding, Tibet Chinese ann, nice local orchestral music CWQRM in AM and LSB (AP-DNK)
4885	Dec15	2243	R.Club do Pará, Belém PA.Natl. nx magazine A Voz do Brasil. 35332 (CG)
4885	Dec25	0635	Radio Clube do Pará, Belém, Christmas songs, id. "Radio Clube do Pará", "Especial Natal na Radio Clube". (Méndez)
4885.04	Dec18	0310	R Clube do Pará, Belém, PA Portuguese ann, nice Brazilian pop songs (AP-DNK)
4890	Dec15	2050	Echo of Hope, via Taereung, South Korea. Korean conversation jammed (AP-DNK)
4890	Dec13	1840	R.Echo of Hope (cland.), Nowong-gu.Kor to KRE, tks. Jammed. 24341 (CG)
4905	Dec15	2055	Xizang PBS, Baiding, Tibet.Tibetan reading numbers // 4920, 6130 and 7385 (QRM 7390 CRI) (AP-DNK)
4930	Dec7	2035	VOA Africa Sce., via Moepeng Hill English ann, nice African pop songs (AP-DNK)
4940	Dec24	0602	Fuerza de Paz, religious comments, Spanish. (Méndez)
4950	Dec24	1650	AIR, Kashmir, Vernacular, comments, Hindi songs. (Méndez)
4965	Dec18	1833	Voice of Hope Africa, Lusaka, English, religious comments. (Méndez)
5040	Dec22	1620	AIR, Jeypore, Hindi songs. (Méndez)
5829.94	Dec20	0052	Iran International, Tashkent Uzbekistan, Farsi, reports about Iran, good (Bernardini)
5850	Dec20	0048	Radio Slovakia Int. via WRMI USA, English service, fair (Bernardini)
5860	Dec20	0045	Radio Farda, Kuwait, Farsi songs, fair (Bernardini)
5875	Dec20	0042	BBC, Gavar Armenia, EE talks weak (Bernardini)
5880	Dec19	1340	Rock Revolution, Netherlands, rock songs, weak fair fading (Bernardini)
5895	Dec12	1610	Radio Northern Star, Bergen, song "You'll never walk alone". QRM from BBC in Korean on the same frequency. (Méndez)
5900	Dec20	0039	Brother Stair, Sofia Bulgaria, usual talks EE, good (Bernardini)
5915	Dec20	0030	Myanma Radio, Naypitaw-Tatkon, talks Burmese, weak not //5985 (Bernardini)
5915	Dec24	1740	Zambia NBC, Radio 1, Lusaka, Vernacular, comments, African songs, at 1800 English, interval signal, Fish Eagle sound, news. (Méndez)
5920	Dec19	1325	HCJB Deutschland, Weenermoor Germany, German religious, fair (Bernardini)

5920	Dec25	0721	HCJB Germany, Weenermoor, German, comments, religious songs. // 3995. (Méndez)
5930	Dec19	0015	WMR, Bramming Denmark, usual nice songs, fair stopped by BBC at 0029 (Bernardini)
5935	Dec20	0020	WWCR Nashville, USA, English, religious talks, fair (Bernardini)
5939	Dec16	2245	R.Voz Missionária, Camboriú SC.Natl. nx magazine A Voz do Brasil. // 9666.330 rtd. (CG)
5939.02	Dec19	2240	Voz Missionaria, Camboriu Brazil, religious talks PP weak (Bernardini)
5950	Dec19	2300	AWR Wavescan Christmas music special, WRMI, USA, EE, fair good (Bernardini)
5950	Dec20	0100	La Rosa de Tokyo, via WRMI, USA, media in Niger report, Spanish, good (Bernardini)
5952	Dec19	2242	Emisoras Pio XII, Bolivia, Siglo Veinte; male and female spanish conversation. Poor, het, unreadable (LOB).
5952.459	Dec19	0016	Radio Pio Doce on its signature split frequency, as measured at three Brazilian SDRs; JBA carrier but some audio of energetic talk and music best at Brasília #2 if tuning SAU or AMN to avoid WRMI 5950. No longer there by 0100. Tnx to tip from Lúcio Otávio Bobrowiec in Brasil to the WOR iog at 2313 Dec 18. It's been inactive for months. Both LOB and I found the last previous log of it was by him on April 20, 2021, and that was also after months` absence (Glenn Hauser, OK, WOR)
5955	Dec18	0828	Sunlite Radio, Overslag, pop songs, id. "Sunlite Radio". (Méndez)
5955	Dec12	1241	R.Sunlite (p), Westdorpe. Mx. 15331 (CG)
5955	Dec19	1310	Sunlite, Overslag Netherlands, songs no stop, fair (Bernardini)
5960	Dec19	0030	Mighty KBC, Nauen Germany, EE, songs, excellent (Bernardini)
5970	Dec20	0010	WEWN Catholic Radio, Birmingham USA, religious Spanish, songs, fair (Bernardini)
5985	Dec19	0038	Myanma Radio, Myanmar, songs Burmese, weak (Bernardini)
5995	Dec18	1855	Radio Mali, Bamako, English, "English Magazine". Strong QRM on 5990. (Méndez)
5995	Dec19	2230	RTV du Mali, in French, reports, good (Bernardini)
5995	Dec25	0614	Sunlite Radio, Westdorpe, pop songs in English, id. "Sunlite, music you like". (Méndez)
6000	Dec20	0111	Radio Habana Cuba, English program, QRM Turkey, weak fair (Bernardini)
6005	Dec12	1525	Radio Slovakia International, Kall Krekel, Spanish, comments, at 1530 English, "Radio Slovakia International, welcome to our Sunday program...". (Méndez)
6005	Dec19	1300	Radio Amathusia, Kall Krekel Germany, talks & songs, Dutch, fair good (Bernardini)
6020	Dec19	1248	R.Delta Int'l. (p), Elburg. Pops. 15331 (CG)
6020	Dec19	1250	Radio Delta, Elburg Netherlands, songs, ids in EE, fair (Bernardini)
6020	Dec24	0931	Radio Delta International, Elburg, pop songs, id. "Radio Delta International". (Méndez)
6030	Dec12	1649	Radio Oromiya, Addis Ababa, Vernacular, comments. (Méndez)
6030	Dec19	2332	CNR1, Peking China, DRM label "Chinese programme, News, CNR1" no sound weak signal (Bernardini)
6040	Dec19	2340	Radio Romania Int. Galbeni DRM English program good (Bernardini)
6050	Dec25	*0923-	HCJB, Pichincha, Ecuadorian music, anthem, Quechua, comments, id. "HCJB...". (Méndez)
6050	Dec25	0718	ELWA Radio, Monrovia, religious comments, English. (Méndez)
6055	Dec19	1255	Radio OZ-Viola, Hillerød, jazz music. Very weak, strong fading, audible at times. (Méndez)
6055	Dec18	*1200-	OZ-Viola, Hillerød, via groundwave. Interval signal, 1201 Opening ann in Danish and English, music - Back from 5980 kHz (AP-DNK)
6055	Dec18	-1200*	Evangelische Missions-Gemeinden, Nauen. German closing ann (AP-DNK)
6070	Dec20	0115	CFRX Toronto Canada, relay CFRB, EE, talks, really weak USB better (Bernardini)
6070	Dec25	0606	CFRX, Toronto, comments. QRM from Channel 292 on the same frequency. (Méndez)
6070	Dec13	2332	CFRX Toronto Medical news, (Wilkner)
6070	Dec19	0740	Radio Waves Int., via Channel 292, Rohrbach, Germany, EE FF GG IT ids Christmas songs, good (Bernardini)
6070	Dec19	0800	Super Clan Radio, via Channel 292, Rohrbach, Germany, EE songs, good (Bernardini)
6070	Dec19	0900	Radio Northsea International, via Channel 292, Rohrbach, Germany, EE songs, fair good (Bernardini)
6070	Dec19	1401	Bob's 60s Splash, via Channel 292, Rohrbach, Germany, EE, oldies, fair good (Bernardini)
6070	Dec19	1500	Radio Ohne Namen, via Channel 292, Rohrbach, Germany, start bc, fair (Bernardini)
6075	Dec19	0835	KNLS, Anchor Point, English, religious songs, comments. (Méndez)
6080	Dec24	1831	Gruss an Bord, Greetings on Board, Tashkent, German, comments. As reported by Harald Kuhl, 1800-1900 wrong program, at 1900 Gruss an Bord (Méndez)
6085	Dec19	1327	Short Wave Sce. (p), Kall-Krekell. G (t), tks, mx. 15331 (CG)
6085	Dec19	1240	Radio MiAmigo, Kall-Krekel Germany, songs, fair (Bernardini)
6085	Dec25	*0759-	Radio Mi Amigo, Kall Krekel, English, id. "Welcome to Radio Mi Amigo, bringing back the golden era of off-shore free radio", pop songs, comments. (Méndez)
6095	Dec25	*0900-	Radio SE-TA2, Nauen, German, comments and songs, . (Méndez)
6115	Dec25	0738	Radio Nikkei 2, Chiba-Nagara, comments. (Méndez)
6140	Dec19	0920	Radio Onda, Borculo Netherlands, id in French, songs, weak fair fading (Bernardini)

6150	Dec25	0708	Radio Saturno, Belo Horizonte, Brazilian songs, comments. At 0758 eclipsed by Europa 24, Germany signing on on the same frequency. (Méndez)
6150	Dec18	*0758-	Europa 24, Datteln, id. German, English "Europa Vierundzwanzig", "Europa Twenty-four", at 0800 time signals, news in German, poop songs. (Méndez)
6150	Dec19	1210	Europe24, Datteln Germany, oldies, news in Dutch at 1230, EE id, fair fading (Bernardini)
6150	Dec19	2350	VOA via Thailand, Burmese service, talks, fair (Bernardini)
6160	Dec19	0940	Scorribande via Shortwave Gold, Winsen, Germany, radio amateur news in IT, weak fair (Bernardini)
6160	Dec20	0123	WBCQ Monticello USA, English, songs, weak (Bernardini)
6165	Dec17	0657	RHC English back here instead of 9700, S9+20; at 0659 "Ed Newman" announcing the end of the second hour, so if on after 0700 it would be the first hour rererepeated. Something's always wrong at RHC; alternating 9700/6165? The Other Side: "The Fidel Castro Center: A Museum of Ignominy --- As thousands of Cubans died of Covid-19, many without receiving medical care, the regime was spending millions of dollars to build the Fidel Castro Ruz Center..." Roberto Álvarez Quiñones, Los Angeles 16 Dic 2021 - 20:58 CET <a href="https://diariodecuba.com/cuba/1639684701_36251.html">https://diariodecuba.com/cuba/1639684701_36251.html</a> (Glenn Hauser, OK, WOR)
6180	Dec19	1155	DWD Pinneberg, Germany, meteo info in German, fair good (Bernardini)
6185	Dec25	0631	Radio Educación, Ciudad de México, songs, comments. (Méndez)
6185	Dec19	0935	Radio Piepzender, Zwolle Netherlands, songs, reception reports, EE, fair fading (Bernardini)
6230	Dec16	2243	Sound Of Hope R Int'l, unk. site.Mand, tks. QRM de CHN stn acting as jammer. 22341 (CG)
6255	Dec13	1838	R.Echo of Hope (cland.), Hwaseong.Kor to KRE, tks. 35342 (CG)
6340.2	Dec18	2242	Sound Of Hope R Int'l, unk. site. Mand to CHN, tks. // 6370.137 rtd. 25341. 15341 (CG)
6355	Dec22	2218	R.Echo of Hope.. Kor to KRE, tks. Jammed (hardly noticed). A lot better than on 20/12. 34342 (CG)
6507	Dec16	2302	VFF Iqaluit Garde Côtière (p), Iqaluit.F (t), tks. 15341 (CG)
6520	Dec24	2242	Voice Of The People (cland.), Goyang. Kor to KRE. Jammed. // 6600 worse.24341 (CG)
6600	Dec12	1504	Voice Of The People (cland.), Goyang. Kor to KRE, tks. Jammed. // 6520 worse. 24431 (CG)
7110	Dec18	*1558-	Radio Ethiopia, open with East African songs, Vernacular, comments. (Méndez)
7205	Dec22	1605	Sudan Radio, Al Aitahab, Arabic, comments, at 1630 French, "La Voix de L'Afrique", news and comments. (Méndez)
7254.9	Dec18	0902	Voice of Nigeria, Abuja Lugbe, English, comments. (Méndez)
7335	Dec24	1615	Vatican Radio, Santa María di Galeria, Chinese, Christmas Eve program. / 6115, (Méndez)
7345	Dec17	1308	Thazin R, via Naypyidaw, Myanmar, noted fair signal with vocal mx underneath CMG/CNR-7 The Greater Bay at 1308 while latter in YL Cantonese tks. Thazin also with YL ancr but playing mx pgm so fairly easy to keep separate while China in talks. Thazin continuing with some mellow piano mx at 1309 and YL balladeer. But from 1312 CNR into music and mainly covers Thazin, which at 1314 I can now hear with YL ancr in Shan. This is kinda tricky today but fun ... At 1317 CNR starts new pgm segment with OM and YL speaking over soft piano mx. Now can hear Thazin again quite well underneath with YL ancr and then more of same mx as before. (Perry - II via [WOR] NASWA Flashsheet Dec 19)
7365	Dec25	1122	HCJB Germany, Weenermoor, German, comments, religious songs. (Méndez)
7370	Dec19	0840	KNLS, Anchor Point, Chinese, talks. (Méndez)
7390	Dec19	1301	R.NZ Pacific, Rangitaiki. E, nx, songs. 35332 (CG)
7425	Dec24	*1820-	Vatican Radio, Santa María di Galería, English, Christmas Eve Holy Mass. (Méndez)
7445	Dec17	0704	S9+10 of "Moon River", a station not dedicated to news on the hour, 0705 Japanese YL. Aoki shows KBS World Radio this hour in Korean via Woofferton! But I'm sure it's Japanese. O, another Aoki entry for NHK direct from Yamata in Japanese at 0655-0900, so no sign of WOF. HFCC also shows them both but to very diverse targets (Glenn Hauser, OK, WOR)
7445	Dec25	1118	Radio Piepzender, Zwolle, pop and rock songs, id. "Music, music, music, your are listening to Radio Piepzender". (Méndez)
7445	Dec26	0845	Radio Piepzender hördes bra på denna nya frekvens med trevlig musik. 3-4 (CB)
7730.1	Dec17	2230	Sound Of Hope R Int'l, unk. site.Mand to CHN, tks. 15341 (CG)
9100	Dec20	2235	R.Echo of Hope (cland.), Hwaseong. Kor to KRE, tks. Jammed (usually not audible). (CG)
9105	Dec17	2228	R.Echo of Hope (cland.), Hwaseong.Kor to KRE, tks. 25331 (CG)
9530	Dec19	1055	Radio Onda, Borculo, pop & Brazilian songs, id. "Radio Onda". // 6140. (Méndez)
9550	Dec24	2125	Radio Boa Vontade, Porto Alegre, religious comments and songs. // (Méndez) (Méndez)
9666			Calculating the creep rate upward of RVM, over a period of 62 days between my measurements, Oct 23 to Dec 24, the difference between 9666.086 and 9666.385 is 299 Hz, or 4.82 Hz/day or cycles per second per day, which also amounts to an acceleration. That is, if the creep be constant; and also note that at the .086 measurement it was unstable. If one were to

			remeasure it every 24 hours, it should ascend by almost 5 Hz each day, or 1 Hz every 4 hours and 48 minutes (Glenn Hauser, OK, WOR)
9740	Dec24	*1800-	NDR, Gruss an Bord, Greetings on Board, Nauen, songs, comments. As reported by Harald Kuhl, 1800-1900 wrong program, at 1900 Gruss an Bord. // 6080, 9820, 11650. (Méndez)
9819.1	Dec24	2120	Radio 9 de Julho, Sao Paulo, religious comments. (Méndez)
9835	Dec25	1035	Sarawak FM, Kajang, Malaysian comments and songs. (Méndez)
9899.591	Dec18	2209	R. Cairo is S9+40 into UTwente, but extremely distorted English modulation, unusable. As usual (Glenn Hauser, OK, WOR)
9930	Dec17	1145	T8WH Hope Radio, Palau, with announcements and non-stop music. 3 (CB)
11780	Dec24	1841	Radio Nacional da Amazonia, Brasilia, comments. (Méndez)
11815	Dec25	1002	Radio Brasil Central, Goiania, comments, id. "Radio Brasil Central", Brazilian Christmas songs. (Méndez)
11895.2	Dec17	2226	R.Boa Vontade, Pt.º Alegre RS.Empty carrier. Meas. 11895.167. 25432 (CG)
15190	Dec22	0905	Radio Inconfidencia, Belo Horizonte, Brazilian songs, comments. QRM on 15185. (Méndez)
15190.1	Dec14	2231	R.Inconfidência, Belo Horizonte MG.Tks. 15331 (CG)
15475.98	Dec22	1500	-RCUSB, LRA36 is on again this Wednesday, S5-S6 music, 1502 Base Esperanza ID; off at 1541 check: via Brasil SDR where I had to camp as two were already tuned for this. Others report it went off at 1530 or 1532* (Glenn Hauser, OK, WOR)
15476U	Dec22	1335	LRA 36, Radio Nacional Arcángel San Gabriel, Base Esperanza, heard with songs in Spanish, extremely weak with strong fading here in Friol, only audible at times. Fair to weak signal via SDR Kiwi remote receivers in Brazil and Chile. (Méndez)
15790	Dec25	1524	World Music Radio, Randers, Latin American songs, id. "World Music Radio". (Méndez)
17540	Dec25	1058	Vatican Radio, Santa María di Galería, English, Orbi & Urbi. (Méndez)
25800	Dec25	1022	World Music Radio, Mårslet, id. "WMR, World Music Radio", Brazilian songs. (Méndez)

## Pirate stations

3905	Dec11	1901	R.Sovereign (t) - pir.Pops. T-ID via DX press. 25341 (CG)
3940	Dec17	2135	Bukhta Svobodnych Volu, Minsk, Belarus Bielorrussian ann, BLR and English pop songs 45544 (AP-DNK)
3940	Dec12	2202	R.Free Waves Bay - pir.Ru, tks, pops. Vy. good signal. Also vy. good on 17/12, 2220. 35443 (CG)
4870	Dec19	1618	Mystery R 21 - pir. Pops. 25342 (CG)
5770	Dec19	1733	R.Sovereign - pir. Pops. Usually poorer. 35343 (CG)
5780	Dec19	2200	Harmony, pirate, music oldies, ids EE, good (Bernardini)
5800	Dec19	1230	Free R Service Holland - pir. Pops, tks. // 7700 rtd. 35433. 25431 (CG)
5840	Dec19	1251	Free R Sce. Holland via UnID, Dutch? - pir. D/E, tks, pops. 15341 (CG)
5840	Dec19	*0852-	RS Holland, open with song, interval signal, id. "Free Radio Service Holland", English, comments, songs. // 5800, 6185 and 7700. (Méndez)
5880	Dec18	1841	R.Rock Revolution - pir. E, pops. 35342 (CG)
6130	Dec19	0906	Radio Casanova, pirate, id also in Italian, fair <a href="mailto:radiocasanova@hotmail.com">radiocasanova@hotmail.com</a> (Bernardini)
6135	Dec25	0908	Pirate Radio Casanova, pop songs, id. "Radio Casanova", "Radio Casanova International", "This is Radio Casanova, email <a href="mailto:radiocasanova@hotmail.com">radiocasanova@hotmail.com</a> ". (Méndez)
6260	Dec19	1549	Kennemer R-1 - pir. E, anns., mx. 35443 (CG)
6270	Dec19	-1601*	R.Black Bandit - pir. E, c&w, oldies, s/off ann. Joke ID as R.Johnny Tobacco. 35443 (CG)
6265.8	Dec24	1642	UnID - pir. Mx, nrs. in E at 1656 followed by an old IS of a [French?] uty. stn. 15341 (CG)
6275	Dec24	1640	R.Black Bandit - pir. Songs. ID via DX press. 35343 (CG)
6280	Dec19	1258	Coast FM (CNR stn) via UnID, Irish? - pir. E, pops, tks. Rtd. 35442 at 1550. 15331 (CG)
6285	Dec12	1514	R.Batavia - pir.Pops. 35342 (CG)
6290	Dec19	1535	R.Pioneer - pir. Pops. ID via DX press. 25342 (CG)
6292.4	Dec19	1244	UnID - pir. Pops. 15331 (CG)
6300	Dec19	1537	R.Monique - pir. E, pop oldies, tks. 35443 (CG)
6310	Dec11	1907	R.Voyager - pir.Pops, classical mx. ID via DX press. 35443 (CG)
6376	Dec19	1539	R.Joey - pir. Pops. 35342 (CG)
6378	Dec12	1651	R.Joey - pir.Pops. 35443 (CG)
6400	Dec19	1542	R.Nova - pir. Pops. ID via DX press. 35342 (CG)
6950	Dec19	1544	Zenith Classic Rock R (IRL) via UnID, Irish? - pir. E, pops. USB tx. 35443 (CG)
6950	Dec24	1645	Enterprise R - pir. Songs. ID via DX press. 25331 (CG)

6954.9	Dec22	1933	Zeppelin R (p), Athína - pir. Oldies. 35342 (CG)
6970	Dec24	1647	R.The Vault - pir. E, pops, stn slogans. Usually strgr. and usually on 6985. Somewhat better at 1900. 35342 (CG)
6985	Dec15	2245	R.The Vault - pir.Pops. 35342 (CG)
7700	Dec19	1228	Free R Service Holland - pir. Du/E, tks, pops. // 5800 poorly audible. Also relays via 6185, 5840. 35433 (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) (AP-DNK), Anker Petersen Skovlunde, Denmark Robert Wilkner, Pompano Beach, South Florida Perry – II via [WOR] NASWA Flashsheet Dec 19) CB, Christer Brunswtröm, Halmstad, Sweden	CG/CGS, Carlos Gonçalves, Lissabon, Portugal Manuel Méndez, Lugo, Spain Ron Howard, Asilomar State Beach, CA, USA, WOR/DXLD Giampiero Bernardini, Milan, Italy (LOB) Lúcio Bobrowiec, Embu SP Brasil
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Don't forget to take a look at Rudolf Grimm's blog here: <https://dxways-br.blogspot.com/>

## Station news

**ABKHAZIA.** Abkhaz radio was spotted at a frequency of 9535 kHz 12.00-13.00 UTC on December 22nd and 23rd with news and programs in the Abkhaz language, with the exception of 12.12-12.22 UTC, when news in Russian was heard.

On December 22nd I listened to their program from 04.50 to 05.50 UTC. From 9.00-11.00 and 13.00-15.00 UTC there was no station at 9535 kHz.

The content of the news was related to the protests of the opposition parties and the statements of the president.

On December 24, 9535 kHz sounded: 04.00-08.00 UTC and 12.00-13.00 UTC Abkhazian radio / news in Russian sounded from 05.30 to 05.40 and from 12.10 to 12.20 UTC, and the program in Russian "History of education at school in Abkhazia" 06.45 to 07.00 UTC /, and from 11 to 12 UTC Auto radio Moscow. They wrote that the power of the transmitter was 5 kW, but it is hardly so - by the signal strength it is 50 or more kW.

(Rumen Pankov, Sofia, Bulgaria via RUS-DX #1165)

**GERMANY.** *Neue Info aus dem Ahrtal:* Zum Ende der Sendestrecke haben sich die Macherinnen und Macher des **Ahrtalradios** aber nochmal etwas Besonderes einfallen lassen: Die Top 860 HitpAHRade läuft vom 27.12. bis zum 31.12.2021. „Damit wollen wir die Musik aus dem Ahrtalradioprogramm mit unserer Region zusammenbringen. Die Ahr ist 86,0km lang, lassen wir das Komma weg, ergibt das 860 Musiktitel. Wir starten mit Platz 860 an der Ahrquelle in Blankenheim und arbeiten uns Kilometer für Kilometer bis zum Platz 1 an der Ahrmündung durch. **Die HitpAHRade läuft von jeweils 6 bis 19 Uhr MEZ, auch auf 3985kHz. Zu den 86km Ahr-Lauf wird es \*exakt\* 86 QSL Karten geben.** (Christoph Ratzler via A-DX)



**HOLLAND. FRS-Holland.** Dear FRS-Holland friend, Our traditional December broadcast is just around the corner! The broadcast will be on next Sunday December 19th. \*FRS-Holland will continue a long time tradition, ringing out the year.

It was in the early 1980s that we started with December XMas broadcasts. Only very few times in the past 41 years, FRS was absent in December.

It will be worth while tuning our way, so we invite you to join us next Sunday!

For detailed information surf to: <http://www.frsholland.nl/20-latest-news/157-frs-seasonal-december-broadcast-2.html>

Good listening next Sunday and Happy Holidays!

73s, Peter V. (on behalf of the FRS team)

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A Balance between Music & Information joint to one Format.... FRS-Holland, POBox 2702, 6049 ZG Herten in the Netherlands. e-mail: <[frs@frsholland.nl](mailto:frs@frsholland.nl)> <[frs@frsholland.nl](mailto:frs@frsholland.nl)>

*Free Radio Service Holland is an Independent Free Radio station broadcasting on Shortwave since August 1980. Broadcasts are carried out in Dutch, German & English at an irregular basis on 51, 48 & 41 metres.*  
(Manuel Méndez via Hard-Core-DX mailing list )

### **INDIA. Re: [WOR] AIR Shutdown?**

Just saw this December 20th item -- has this been posted before?

<https://www.sentinelassam.com/national-news/all-india-radio-transmitter-to-be-shut-down-after-december-31-568729>

All India Radio Transmitter To Be Shut Down After December 31 The National Radio Broadcasting of India, AIR (All India Radio) will be shut down forever after 31 December 2021. Programmes will be running under a FM channel and mobile application.

<https://www.sentinelassam.com/national-news/all-india-radio-transmitter-to-be-shut-down-after-december-31-568729>

(Dan Robinson)

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Similar item mentioning a number of 6 AM transmitters. I guess this refers to locations in the North Eastern states  
<https://newslivetv.com/all-india-radio-transmitter-to-be-shut-down-after-dec-31/> (Glenn Hauser via WOR)

### **INDIA: ALL INDIA RADIO TRANSMITTER TO BE SHUT DOWN AFTER DEC 31**

DIGITAL DESK DECEMBER 20, 2021

The All India Radio's (AIR) transmitter, the national radio broadcaster of India will completely be shut down after December 31. The centre has provided services to a large geographical area but now the listeners will be deprived from the services as the programmes will now be run under a FM channel and in the mobile application.

The AM service in the medium wave is providing services in around 200 kilometer area and the FM services reaches around 40-50 kilometer area which means the FM service will not reach entire listeners. On the other hand, not all people in the rural areas have smart phones to listen to FM or in the mobile application. This means, the thousands of listeners of medium wave which is providing services since 73 years will now be limited.

According to reports, the rate of the transmitter to provide AM services has been increased and therefore it has been decided **that 6 transmitters will be closed down.**

All India Radio is the largest radio network in the world, and one of the largest broadcasting organisations in the world in terms of the number of languages broadcast and the spectrum of socio-economic and cultural diversity it serves. AIR's home service comprises 420 stations located across the country, reaching nearly 92% of the country's area and 99.19% of the total population. AIR originates programming in 23 languages and 179 dialects.

People from the rural areas eagerly wait for the 'Mann ki Baat' programme of Prime Minister Narendra Modi which is aired on All India Radio and with the handing over of the radio station into an FM channel, the rural people will be disconnected as the FM channels doesn't get network in those areas. That is, the rural people will not be able to listen to 'Mann Ki Baat' anymore. The question is hasn't the government want these people to listen to Mann ki Baat aired in All India Radio or has they thought of any other programmes.

(Digital Desk via Hansjörg Biener)

### **KAZAKHSTAN.**

With the support of the Ministry of Information and Social Development of the Republic of Kazakhstan, an audio collection of works from the "Golden Fund" has been published for the centenary of Kazakh radio, BaigeNews.kz reports with reference to the MIOR. It is reported that the audio collection "Amanat" includes unique archival recordings of Kazakh announcers and performers. The collection includes original audio recordings of 1954. In total, the archival fund of the television and radio corporation "Kazakhstan" has more than 110 thousand historical and archival video and audio recordings stored since the 1940s. The total duration of archival materials is 42 thousand hours ...

Details in Russian - [https://onair.ru/main/enews/view\\_msg/NMID\\_81899/](https://onair.ru/main/enews/view_msg/NMID_81899/)

(OnAir.ru via RUS-DX #1165)

## **Other radio news**

### **What is the most powerful MW station?**

This question really has two distinct aspects. One is actual transmitter output power, and the other is transmitter power times antenna major lobe power gain.

Since I know that the USSR operated 1 MW transmitters into some of the Zarya antennas, and may have operated some with even higher transmitter power, those installations were arguably the "highest power" MW transmitting stations ever built. Although most of the Zaryas are no longer in use, some reportedly still are.

And the "long" version of the Zarya antennas (2.5 km in length) had higher gain than any other MW antennas ever built, so far as I'm aware. The 6 element "sideways Yagis" still in place in KSA are really no higher gain than some conventional 4 or 6 element antennas, because they are lossy and the parasitics of that type of antenna are difficult to optimise. A bad design in my opinion. The highest gain conventional arrays of vertical monopoles were the twelve tower arrays at Dallas (1190), Detroit (1500) and Richmond Hill, ON (1320?). But they were designed primarily for suppression and were operated with 50 kW or less TPO. The highest TPO transmitters I'm aware of were/are the USSR 2.5 MW units.

And another point related to antenna gain is the RMS efficiency of an antenna, that is, the radius of a circle of the same area as the total pattern of a directional array. The highest RMS efficiency per kW of any antenna in use in the western hemisphere is probably that of KFBK, which is an array with two Franklin elements.  
(Ben Dawson-WA-USA, wor Dec 18)

### [NORDX] 500 kW WBCQ

"MONTICELLO, MAINE – En av världens kraftfullaste radiostationer, 500 kW **WBCQ** i norra Maine, sänder program runt om i världen som producerats av en rik religiös organisation. Dagliga religiösa program från WLC "World's Last Chance" började den 8 juli 2019 enligt radiostationens ägare Allan H. Weiner. Den nybyggda starka KV-stationen och det gigantiska helt roterbara antensystemet finansieras av ett namne Wyoming-företag *World's Last Chance* .

Den 66-årige Weiner och hans syster äger FCC-licensen för WBCQ som sänder "free speech"-radio från staden Monticello i norra Maine. WBCQ säljer tid till sändare på sina olika kortvågssändare inklusive många timmars religiösa predikningar. World's Last Chance har numera hyrt hela sändningstiden av den 500 kW kortvågssändaren och lär sprida nu sina färgstarka religiösa budskap på sju språk runt om i världen. Organisationen säger sig vara icke-konfessionell men hur det må vara då. Varje lyssnare kan nog ta reda på det själv.

Dess organisation tycks för det mesta lära ut tro i sina sändningar om att främja uppfattningen om en platt jord! De högstarka utsändningarna på kortvåg kan hittas på 9330 kHz. På engelska till USA, Kanada, Karibien, Storbritannien och Australien och med sex andra språk till andra delar av världen.

UPPDATERING: September 2021 - Allan Weiner sa att han har fått äntligen det nya sändarröret för Super Station, och noterade att det kostade \$245 000. Continental Electronics skulle ha enligt uppgift installerat den under andra veckan i september."

PS. Fastän WLC noteras då och då på tipsspalter av radioprogram, hittar man verkligen sällan några kommentarer om utsändningarnas innehåll eller subtans. Nu ska vi glänta fönstret litet grann och ventilera luften. Berätta gärna om era observationer! Trots alla möjliga ambitioner, låt oss hålla denna utmanande diskussionsämne saklig och relevant.  
(Tack. mvh Kari Kallio via NORDX)

### USA. [WOR] WLC Radio 9330 - Schedule changes

Further schedule changes on the WLC web site. Adjustments to times, languages, target areas:

1400-1700 Canada, Upper Mid-West USA English 256	1900-2000 U.K. English 57
1700-1800 Germany German 57	2000-2100 W. Africa English 110
1800-1900 France French 57	2100-2200 W. Africa French 110

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

### [DXplorer] A fascinating report about RNE and the CIA

Just came across this article. I recalled that Spain once broadcast to the USSR, but that was before my time. I was unaware of the CIA connection.

<https://www.kyivpost.com/ukraine-politics/from-the-secret-pages-of-history-cia-cold-war-radio-nacional-de-espana-broadcasts-to-ukraine.html?fbclid=IwAR3KiWo4XaZsavMf5odyhjFPu93Rm66lvOhMzjVhGHdjrs1C3w8iRPG1i-Y>

(Merry Christmas! Walt Salmaniw via DXplorer)

### VIDEO: HOW DID THE ENIGMA MACHINE WORK

<https://www.youtube.com/watch?v=ybkkiGtJmkM> Via Jerry Proc, Toronto, Ontario

The Enigma Museum just wrapped up a 6 week project providing technical support to Jared Owens, an animation creator. He has made this fun and informative video showing the inner workings of an Enigma machine. The video runs about 20 minutes.

([WOR] Radio HF Internet Newsletter, Dec items)

### VIDEO: RADIO RECEIVER SIGNAL TO NOISE RATIO SNR SPECIFICATION

<https://www.youtube.com/watch?v=WT8p6G-IN0g> Via Tony Molloy, Lancashire, United Kingdom

Just saw this video (on signal to noise ratio) and thought I'd send you the link in case it's of interest for the newsletter readers.

([WOR] Radio HF Internet Newsletter, Dec items)

## SCIENCE ABC-HOW DO RADIO STATIONS TRANSMIT THE NAME OF THE SONG THAT'S CURRENTLY PLAYING?

<https://www.scienceabc.com/innovation/radio-stations-transmit-name-song-currently-playing-rds-data-system.html>

VIA Sheldon Harvey, Greenfield Park, Quebec

If you've ever paid attention to your car radio, more specifically, to its display, then you probably noticed that while playing music in a newer car, the display shows the name of the song, the name of the artist and the album, along with the name of the radio station. These details are also updated as soon as the song changes. Have you ever wondered how these details are broadcast via radio? Then keep reading!

([WOR] Radio HF Internet Newsletter, Dec items)

### [WOR] QSLing nothing but a courtesy

It is 'just' a hobby, as Bjarne points out, but if I thought sending a report for Zanzibar to ANYone - even Santa - would help I would've done it ... back in the day.

Since then I had to reply to many reports when I worked at VOA. You may or may not be shocked to learn that a lot of reports are of extraordinarily low quality. 'Male talk' and 'pop tune' are NOT program details, for example. Fortunately, most reports that ended up in Engineering included an audio file. Unfortunately, our IT gurus tightened up our LAN so much that many of them were unplayable.

My own personal solution since returning to the hobby 10 years ago, after a 30 year absence, is to record my receptions, put 'em up on a webpage and forego the whole need for communicating with a station. I know what I heard and I don't really need a 'confirmation' from the station.

As long as I've gone this far ... let me further suggest that QSLing is nothing but a 'courtesy.' Your reception report to a station is of no real use. It may be 'of interest' but it buys them no more advertisers or Government funding.

This is just my opinion but it is based on experience from both sides of the verie signer desk.

Enjoy the hobby in any way you like. Life's too short to worry about what others think.

(Bill Whitacre, IRCA iog)

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Bill, I agree with your assessment of QSLs. Even in their heyday, QSLs often never verified anything. No data letters and no data cards never gave me the warm fuzzy that I now get with my recordings. There was a time when some reports were of use to station engineers but paradoxically now that we have better report tools, the stations no longer care, as you indicated. Yes, you can still get QSLs, and even full data QSLs, but it is an all-too-rare occurrence. I have recorded every logging I have made since 2002 when software recorders started appearing. Early on I was not smart enough to create file names for these recordings but now every recording contains station ID, frequency, date, time, and receiver location (I have largely used remote SDRs ever since I discovered these circa 2004 with the now defunct DX Tuners network and the Perseus network). If I want a visual record besides my MonitorLog 12 software, I can just create a homemade QSL, assuming that the recording is unimpeachably accurate and/or there is a verification text, WhatsApp or e-mail, etc. I suppose the hobby could create a "Review Board" of 3 or perhaps 5 known experts that could listen to a recording and with unanimous consent, certify the accuracy of the listener's claim. Sounds crazy I know, but I would argue this would be a more satisfying QSL than we typically get now, not to mention the extraordinary effort required to get a report to the right person and receive any reply these days.

In any case, like you, this is how I have extended my enjoyment of the hobby when there is not much else to cheer about! 😊

In any case, Christmas is around the corner, so enjoy, be safe, and good listening in 2022!

(Bruce Churchill)

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I think when it comes to discussions here in 2021/2022 about QSLing, the headline is that this was a very special part of the SW hobby that so many of us enjoyed through the years. And that is that. Those of us who were lucky enough to hang on to our QSL collections before a parent tossed them, or they were lost or destroyed in fires or floods, are lucky. And each of these cards, or letters, bring back very specific memories -- literally of time of day they were received, the weather on the day the station was heard and the day the card was received. To this day I remember the face of the mailman who delivered our mail in Pennsylvania -- and the look on his face when that mail included huge packages from Radio Peking or Voice of Vietnam or Radio Moscow. All of these are great memories and remind us of the great days of the hobby when the bands were full of stations.

(Dan Robinson)

## 2022 Shortwave Frequency Guide

Der neue "Klingenfuss" ist auch eingetroffen.

<https://www.klingenfuss.org/homepage.htm>

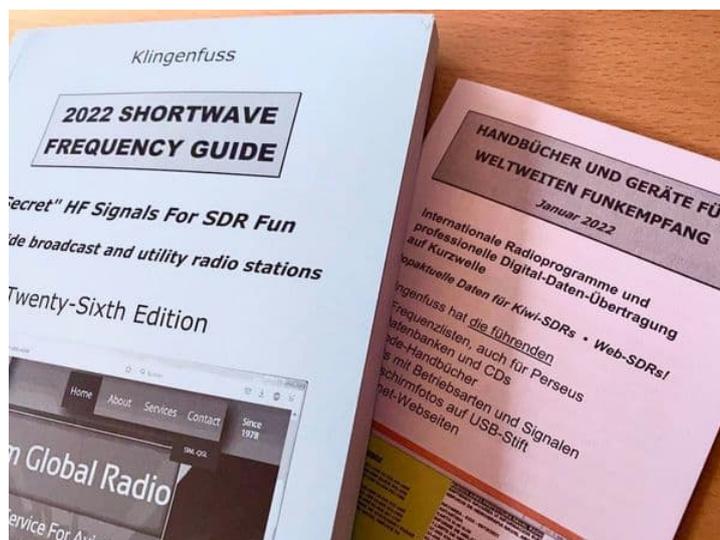
(Christoph Ratzer via A-DX)

## Five new Klingenfuss products for 2022: Dispatch before Christmas!

Dear friends,

all new products for 2022

- 2022 Super Frequency List on CD
- 2022 Shortwave Frequency Guide
- 2022 Frequency Database for the PERSEUS Software-Defined Receiver
- 1997-2022 Digital Data Decoder Screenshots on USB Stick
- Supplement January 2022 to the 2021/2022 Guide to Utility Radio Stations



have been published by 15 December. There has been a severe delay in the book printing process since the Heidelberg Speedmaster at Laupp-Goebel crashed. Please note that our products are genuine offset-printed books printed here in Tuebingen (and not somewhere in e.g. "low-cost" China or elsewhere), professionally finished by a real bookbinder, and not some cheap laser-printed "book-on-demand" product glued together for short-time use without paying attention to the paper grain direction!

We've worked around the clock and hundreds of your advance orders have now been shipped - strictly first-in-first-out ... - in time for the Christmas and winter holiday and radio monitoring season. The rest will be proceeded during the coming week. Enjoy!

{thanks Joerg - book and CD arrived here at Stuttgart by Thurs Dec 16, wb}

Full A4 size sample pages can be found on our website [www.klingenfuss.org](http://www.klingenfuss.org) where you can download the new 2022 catalogue as well, plus detailed product descriptions, hundreds of fascinating screenshots, and a list of dealers worldwide. Alternatively, you may ask for our free 24-pages 2022 printed catalogue to your postal address.

The free Supplement January 2022 to the 2021/2022 Guide to Utility Radio Stations with 300+ new frequencies and updated FAX schedules can be downloaded from our website as well. For decades, the Klingenfuss Utility Radio Guide has been the standard reference book for both professional HF radio monitoring services and non-professional radio listeners worldwide.

Deadline for the very latest 2022 broadcast schedules published in the brandnew Shortwave Frequency Guide was on 15 November 2021.

Unlike traditional publications in this field, our clear layout and new typeface provides for excellent legibility. See the brandnew sample pages on our comprehensive webpage!

Apart from the usual up-to-date broadcast and utility station and schedule databases, the 2022 Super Frequency List on CD now covers more than !!! 985 !!! fascinating new digital data decoder screenshots from professional HF stations around the globe, comprising in detail the revolutionary Kiwi-SDR and Web-SDR techniques as well.

Our product Digital Data Decoder Screenshots on USB Stick now covers more than 22,800 (twenty two thousand eight hundred!) digital data decoder screenshots from 1997 to today, essentially produced with PROCITEC and WAVECOM equipment, and certain "amateur" decoders such as FLDIGI and SIGMIRA. Feed your PC or laptop or tablet with this stick, and the "slide show" will keep you busy for a few days - or weeks!

As precisely predicted by ourselves -and by nobody else!- already 22 years ago in 2000, HF e-mail continues to spread rapidly and has developed into the major application of modern digital HF techniques that we have marketed - and used! - for decades.

More than 600 free receivers worldwide are currently linked e.g. on < [www.kiwisdr.com](http://www.kiwisdr.com) > !

Our updated article "Internet-controlled SDRs", focusing on the reception of fascinating HF utility radio stations, is available at < [www.klingenfuss.org/websdr.pdf](http://www.klingenfuss.org/websdr.pdf) >

What's more, you can read about "The future of shortwave broadcasting" at < [www.klingenfuss.org/radogram.pdf](http://www.klingenfuss.org/radogram.pdf) > ... "SATCOM vs. HF in the New Global Cold War" may be of interest as well ...

Best wishes, Joerg Klingenfuss

Klingenfuss Publications, Klingenfuss Radio Monitoring, Hagenloher Str. 14, 72070 Tuebingen, Germany

E-Mail < [info-at-klingenfuss.org](mailto:info-at-klingenfuss.org) >

(via wwdxc BC-DX TopNews Dec 19)

## **Radio Panorama program. In Russian.**

Moscow. Worldwide radio network. 12/25/2021

The "Radio Panorama" program for lovers of long-distance radio reception.

Author and presenter - Vadim Alekseev.

- German-language channel RT DE taken off the air in Europe
- ILV recommendations for radio amateurs
- ITU Press Release: Frequency Allocation and Digital Transformation
- The next 17th edition of the Global Radio Guide
- The Belarusian service RFE\_RL is included by the Ministry of Internal Affairs of the Republic of Belarus in the "lists of extremists"
- Reconstruction of the 1906 broadcasts in the USA
- New Year broadcasts on WRMI
- Observations of the passage from Europe to the Middle East
- Music and Radio: Piter Gabriel - Here Comes The Flood

Publish - Publish the details of the program and sound file on the page.

Publication and preparation of a sound file - Vladimir Emelyanov, Samara, Russia.

<https://vk.com/dxing>

(RUS-DX #1165)

## **[WOR] Fw: [bdxc-news] Christmas edition of the Hans Knot International Radio Report**

The Christmas 2021 edition of the Hans Knot International Radio Report includes contributions from, among others, these former offshore radio stations: DJs: Ron O'Quinn, Emperor Rosko, Andy Archer, John Kerr and Paul Rusling. The death of John Edward and Philip Birch, among others, is also discussed. And in the new International Radio Report, another story about the radio station Radio London by Brian Long - in which he shares the memories of Chris Denning with you. Very nice are the various news items about the RadioDay videos by Ben Meijering, the opening of the Zendschepen Museum in Alkmaar and the new medium wave transmitter for Radio Caroline on 648AM. We wish you success in downloading and much pleasure in reading.

<https://hansknot.com/> (click on the international report)

(via Mike Terry via [bdxc-news])

## **Here's a list of noise/interference sources reported by MARE folks over the years:**

Light dimmers (anything with a rheostat), Electrostatic dust filters, Frayed electric chords, Computer screens (especially CRTs) Defective light transformers, Infra-red lamps (from a nearby "herb" grower), Power tools, furnace fans, hair dryers, etc. (anything with an electric motor), Power lines that cross at right angles, LEDs, Fluorescent lights, Computer modems/routers.

Anything that arcs, defective or on purpose Lightning (doesn't have to be close) Microwaves Wind blowing over an antenna Wall transformers/rectifiers (wall warts) Bluetooth soundbar for TV Plasma TV's Ethernet traffic itself, Leaving the hub powered, but with no cables plugged in produces negligible noise, plug a cable in and look out! Cordless tool chargers, powered on but not actively charging a battery, Poorly designed switching mode power supplies.

Tnx to Mike Hanlon for additions (some of which didn't exist when this list was 1st made!)

Remember, Mother Nature makes QRN noise; people & their appliances make QRM interference.

--++==ooOoo==+--+ More!

*Gary Vance:* Last month I learned a lesson about LED light bulbs. Ok I know some LED light bulbs generate a considerable amount of QRM. The first generation of LED bulbs were terrible in that respect. But, some of the newer bulbs are relativity QRM free. When I started to switch to LED bulbs, I would purchase one and check to see if it generated QRM. If it was RF friendly, I would buy more of the quiet LED bulbs. BTW, these days most of the name brand LED bulbs are Radio Friendly.

Here is the tale of the Garage Door Opener LED Light Bulbs that failed. About three years, ago one of my Incandescent garage door opener light bulbs burnt out. I decided to replace it with a Genie (made expressly for garage door openers) LED bulb. As usual, I checked it for RF interference. The bulb passed the test. My garage door opener accommodates two bulbs, and I replaced the good bulb with a Genie LED too.

For more than three years the garage door LED lights worked without an issue. A few weeks ago, my wireless garage door opener remote keypad would not activate the door opener.

The built-in remote on our Chevy Traverse still worked, but the range was noticeably shorter. The built in remote on our Camaro was sporadic. Sometimes it worked, most times it did not. I dug out the remotes that came with the opener, they were all messed up too. I suspected the receiving unit in the door opener had gone bad.

I called my Garage door opener repair guy. The first thing he asked me was, did you recently replace the lightbulbs in the opener? No, was my answer. The lightbulbs are more than three years old.

Doug came to the house and checked a few things. Then Doug removed my three-year old LED bulbs, and...well, I think you know the rest. All the remotes worked flawlessly. Doug reinstalled the old bulbs and nothing worked. I brought out my portable radio and as I approached the old bulbs, the radio was screaming like a banshee. Doug replaced my Genie bulbs with generic LED bulbs and my now all the remote devices are working fine.

And it only cost me \$90 to learn quiet LED bulbs can go bad.

I hope this information helps if garage door remote devices don't appear to function correctly.

--++==ooOoo==+--+ More!

*Paul Dobosz:* LED light bulbs are typically more than just a bunch of series connected LEDs with some current limiting device connected across the AC line. The LED-bulbs run from a 120 V AC supply typically require electronics between the 120V AC line and the individual LEDs that make up the bulb.

Those bulbs also contain miniaturized circuitry that converts AC to DC before delivering it to the LEDs, in essence a mini "wall wart".

To maintain efficiency and keep cost at rock bottom, these are switching supplies which are infamous for producing RFI, particularly if the design is executed in the cheapest manner possible. The main exception to this is the strip lights and Christmas light strings that are simply a number of LEDs hooked in series whose voltage drop equals 120VAC that act as a half wave rectifier.

The best of the designs utilize suppression capacitors to minimize RFI and keep it off the AC line but the combination of heat and time are not kind to MLCC capacitors that are typically used for suppression. Once they fail, the so-called quiet LED bulb becomes a noisemaker. The Mean Time Between Failure of the MLCC (Multi Level Ceramic Capacitor) is much less than that of the LED dies and since the switching PS continues to operate without effective suppression, the failure is transparent to the user unless he/she notices the RFI and connects it to the bulb itself. That's a stretch for the average consumer.

(Michigan Area Radio Enthusiasts Tipsheet Dec 17 via WOR)

### **[A-DX] Empfänger von Reuter**

Leider können wir unsere RDR5x Geräte aufgrund der Lieferkrise bei Halbleitern nun noch sehr eingeschränkt fertigen. Die Vorräte sind nahezu erschöpft. Zwar gibt es die benötigten Schaltkreise noch bei einigen Distributoren, aber diese verlangen aktuell bis zum zehnfachen Preis! Wir müssten die Preise für die betroffenen Geräte RDR51 "Pocket", RDR52 und RDR53 "sPocket" ca. verdoppeln, um die Produktion weiterführen zu können.

Wenige RDR51, RDR53 und RDR55 sind noch lieferbar. Weitere Geräte sowie alle vorbestellten RDR52 können erst nach Wiederverfügbarkeit der nötigen IC vom Hersteller, oder mit Aufpreis entsprechend den Wucherpreisen der Händler fertiggestellt und ausgeliefert werden. Bitte anfragen!

Wir bedauern diese Entwicklung sehr und hoffen auf baldige Entspannung der Situation!

<https://www.reuter-elektronik.de/html/neuigkeiten.html>

Danke an Frank für den Hinweis in unserer Facebookgruppe.

(73 Christoph Ratzer via A-DX)

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

John Ekwall has added to his webpage at <http://joesweden.info/radio/> a recording of the final two hours of Radio St. Helena on December 25, 2012. This is not a Radio St. Helena day broadcast, but rather the final two on-air hours before the station (on mediumwave) left the air for good. The first hour is mostly music, but the second hour consists of Station Manager Tony Leo talking in detail about the station's history, including in particular its opening on December 25, 1967. It is worth a listen. John pointed out to me some references by Tony to certain Cable & Wireless broadcasts from St. Helena as early as 1965. I have done some more research on this, and have posted "The Forgotten Shortwave Broadcasts of St. Helena," under "DX History-I/Stations/Countries/St. Helena." Look for the red "New," and thanks to John for bringing this very interesting historical information to our attention.

(Jerry Berg via DXPlorer)

### **Pirate radio or radio hooligans in Russia.**

Radio hooligan bands: -1600-3000 kHz used mainly in AM mode. This is the night range.

In Russia, the frequency 2920 kHz, is a ringing for two-way radio transmissions, operates only on the upper sideband (USB) in single-sideband (SSB) mode. With a large number of operators in the channel, detuning at 10-20 kHz and wider is used. This is also a night frequency.

- 6660 kHz, the so-called "Three Six", is the daytime calling channel of Russian pirates for two-way radio broadcasts. Operation is carried out only on the upper sideband (USB) in single-sideband (SSB) mode. Detuning at 10-20 kHz as well as at 2920 kHz is also used. Coming back ... recently, an alternative frequency of 3.33 MHz (three triples) has been tried.

This is the broadcasting frequency, but always clean.

- 10460 kHz, is only the daily frequency of Russian pirates for traffic. Operation is carried out only on the upper side-band (USB) in single-sideband (SSB) mode. Detuning at 10-20 kHz as well as at 2920 kHz, 3330 kHz and 6660 kHz is also used.

There are no laws for radio hooligans, so they can start broadcasting on any frequency that suits them.

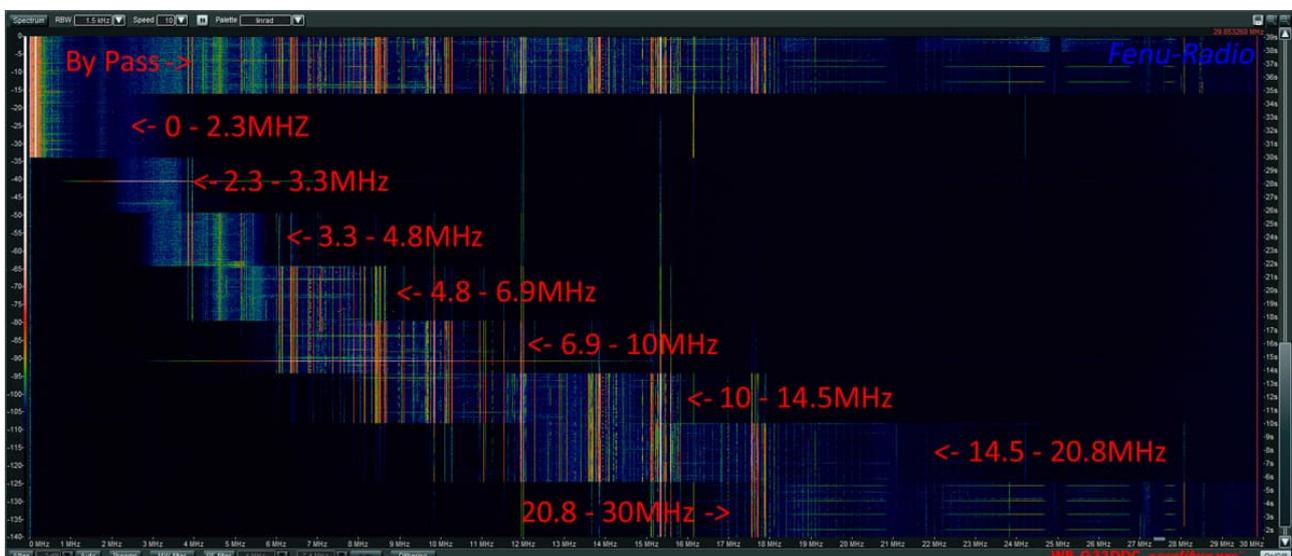
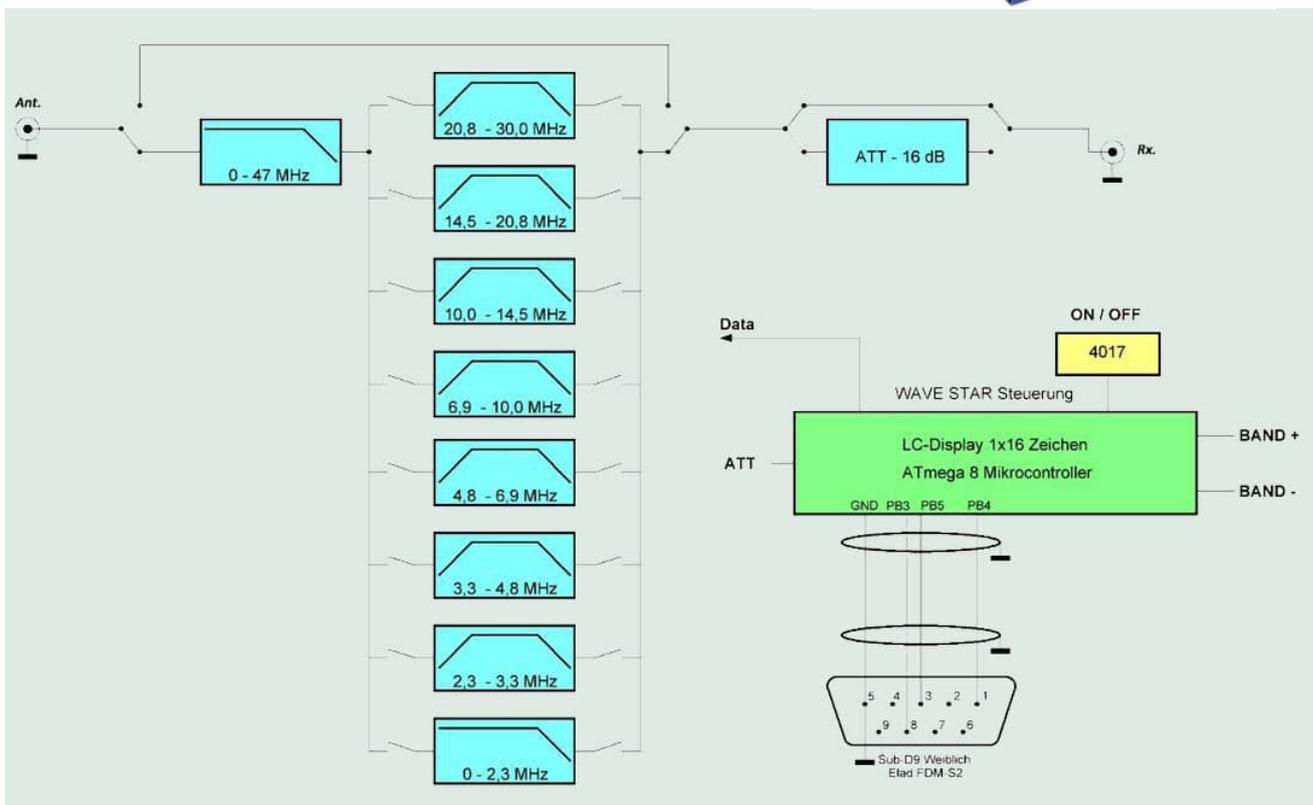
(<https://vk.com/dxingradio>)

(RUS-DX # 1164)

### Stampfl Wave Star Preselektor

Was für ein Preselektor! Das grandioseste was bezahlbar gebaut wurde und aktuell erhältlich ist. Da hat das Team um [Heinz Stampfl](#) wirklich den ultimativen Preselektor für SWLs entwickelt. Leider nur als Bausatz lieferbar, als Fertigerät wäre der Wave Star genau das was viele DXer vor den RX schalten sollten! [https://www.fenu-radio.ch/Stampfl\\_Wavestar.htm](https://www.fenu-radio.ch/Stampfl_Wavestar.htm)

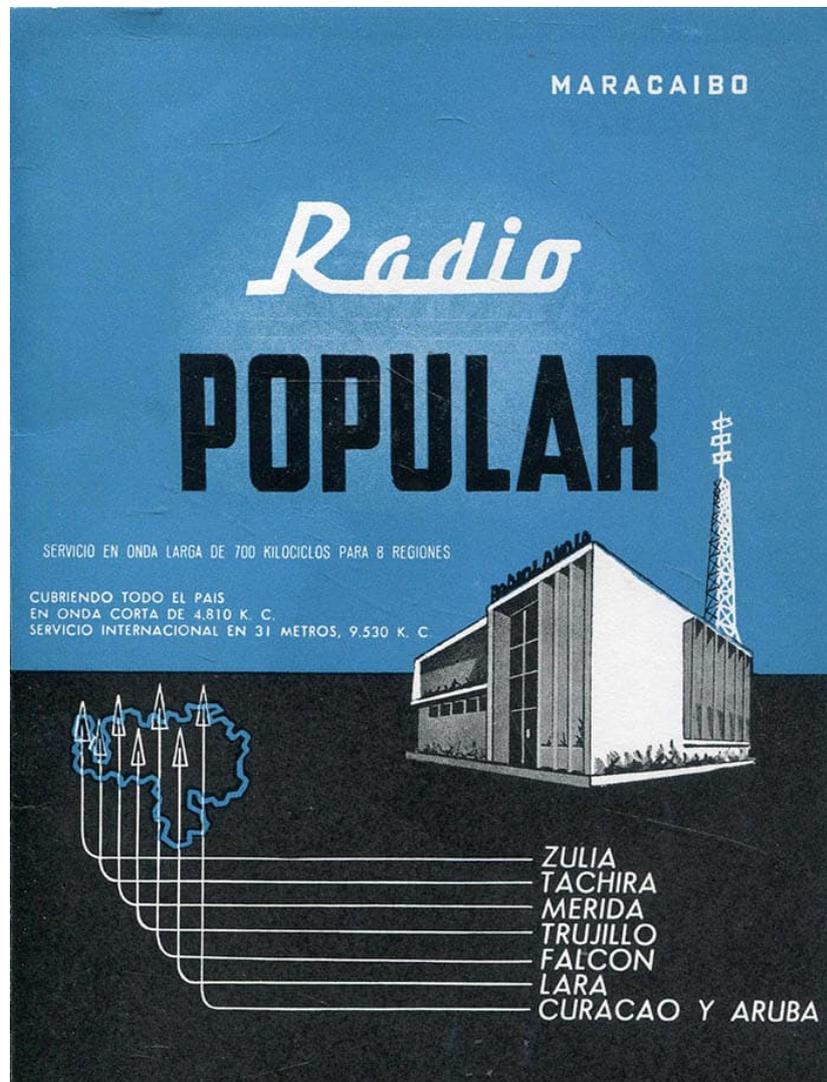
(Christoph Ratzer via A-DX)



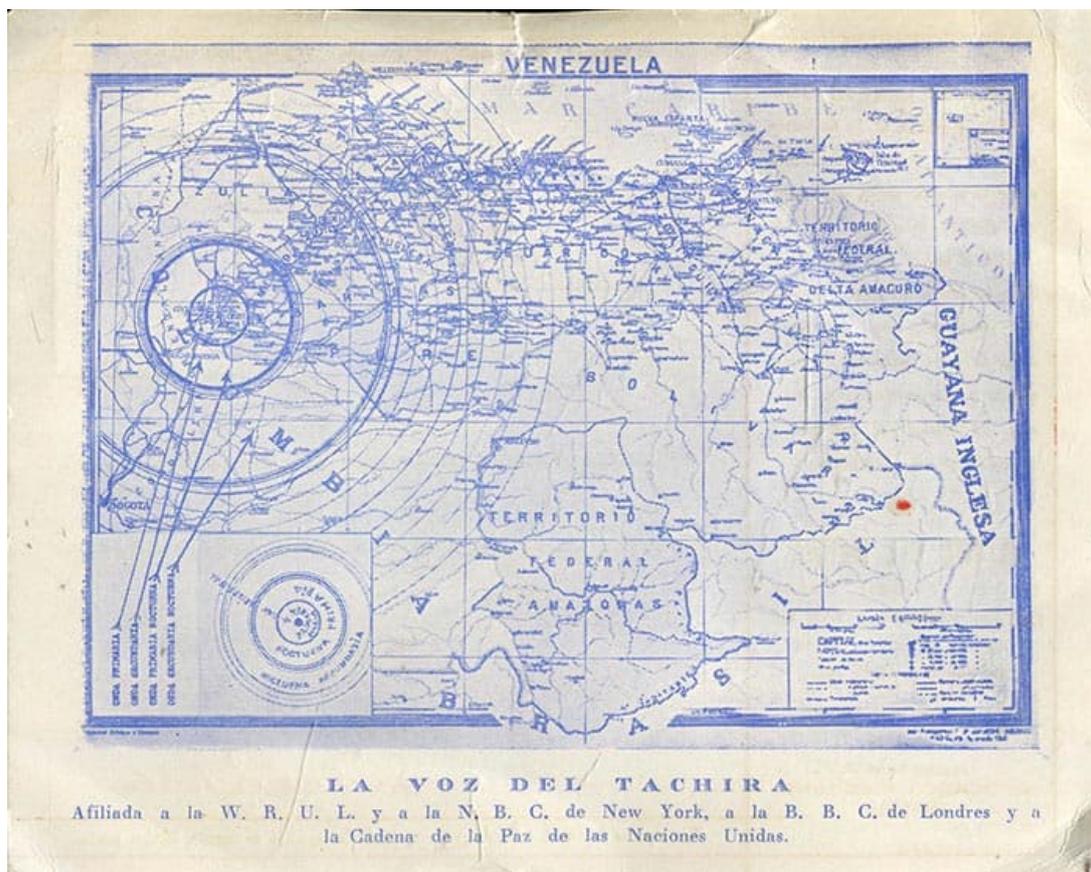
## DX nostalgia by RFK

Hello all and welcome to yet another column of DX nostalgia. Hopefully you will have some time for DX-ing during the festive season. Actually this is a perfect way of relaxing. With the technology of today you really don't have to stay awake at all – just switch on your SDR and check what you have recorded the day after. It may be practical but you are missing out on the experience of hearing an exciting catch directly (or IRL, as they say today). An ID from this very rare station will make you instantly alert and awake. Of course today this may not be very common on SW as so many stations have left the bands. But there are still a few left.... Do check out the SWB logs and see what you can find. Maybe you will be surprised at what you can still hear.

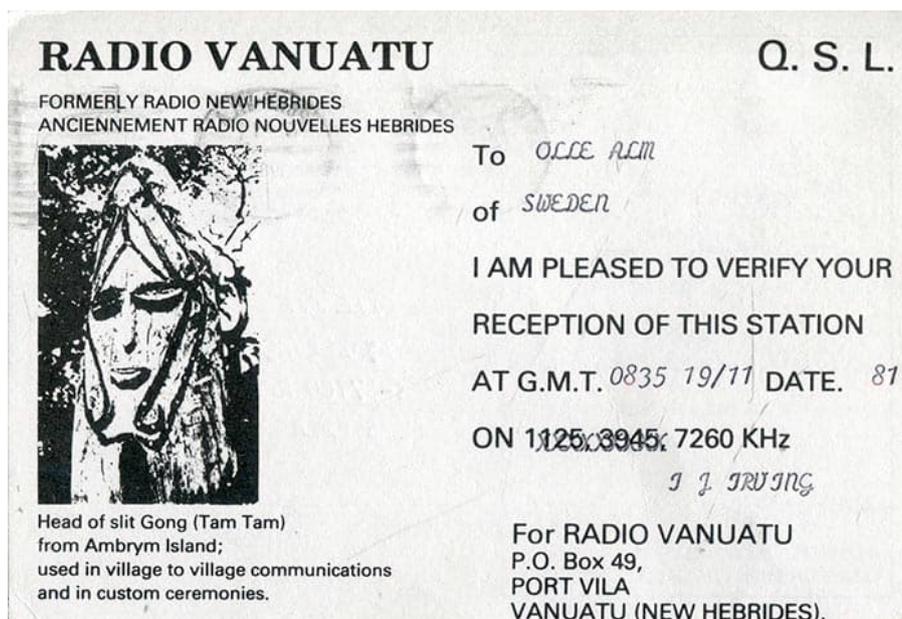
Yes, there was a time when SW used to be so much more exciting, they say. A big personal favourite of mine was tuning the tropical bands which were full of local stations intended to cover a particular region. Here you could hear stations from most parts of the world with local programming, nice music and messages and news aimed at a local audience. It surely felt like actually being there, feeling the pulse of a distant town. Here is a QSL folder from one of these stations which may not have been the easiest of catches but anyway quite regular on 4810 kHz in the 60 metre band. Radio Popular of Maracaibo, Venezuela – from the collection of the late Olle Alm OA.



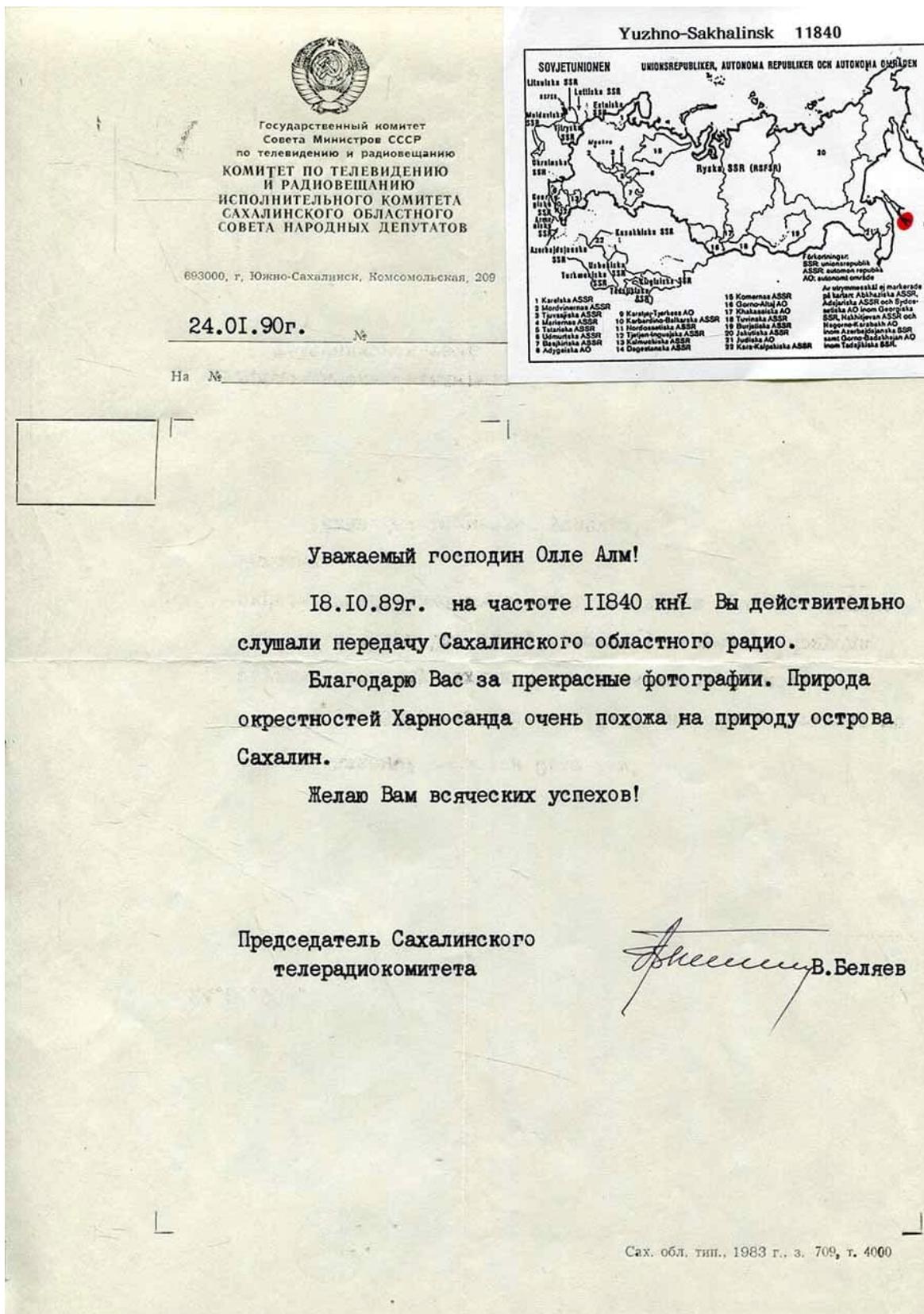
Another Venezuelan QSL card from the collection of Olle Alm. This one was maybe a bit more common than Radio Popular Maracaibo: La Voz del Tachira in San Cristobal. The QSL is from 1962. This station claims on the card to "be affiliated with" WRUL and NBC of New York, the BBC and the UN Radio, probably meaning they relayed some of these stations' programmes at times.



A typical winter station here in Sweden is Radio Vanuatu. After some absence the SW transmitters have been reactivated and the station has also been heard on the 2<sup>nd</sup> and 3<sup>rd</sup> harmonic of 3945 kHz (7890 and 11835 kHz). Olle Alm received this QSL card for his report to the station.



Olle Alm had many special interests in the DX field and one of them was Russian local stations. Here is a letter from the station at Yuzhno-Sakhalinsk on the island of Sakhalin north of Japan. The station was heard on 11840 kHz and the indication of the location on the small map was made by Olle.



Let's conclude this nostalgia column by showing a pennant which Olle Alm received together with his QSL letter from Radio Clube de Dourados in Mato Grosso do Sul, Brazil. Yes, this time we have been focusing on material from OA:s collection but you are naturally invited to submit some scans of your own QSLs or radio memorabilia. You are welcome to mail me at info @ rock.x.se. Have a very Merry Christmas, A Happy New Year and GOOD DX!

