

SHORTWAVE BULLETIN

Issue no. 2074, Feb 16, 2025

Deadline e-mail next issue: 1000 UT, March 2, 2025

In this issue one of few reviews of WRTH 2025. As the article is copyrighted you have to use the link to read the full review. Some of the complaints for the 2024 issue have been corrected, like formatting, fonts and labelling.

Many thanks to Guy Atkins who shares two very interesting articles about Lowe Electronics signed Jon Wilson. Those articles have been published in Short Wave Magazine during the years. As Guy says – very interesting reading.

Bjarne Mjelde in Norway has written a very interesting review of *WavViewDX*, a playback software developed in Germany by Reinhard Weiss. The software is fairly new and a brilliant contender to other SDR software. Latest version seems to be very stable.

Also found some interesting articles about Hammarlund. I didn't know that the founder Oscar Hammarlund was a Swedish engineer. Take a look at the Hammarlund history.

Ronny - thanks a lot for compiling the DX-Nostalgia column for each issue.

Keep on

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SWB-info

SWB info: <https://www.dxinfo.se>

Dateline Bogotá 1993-1998: <https://www.hard-core-dx.com/swb/Dateline.htm>

SWB latest issue/archive: <https://www.hard-core-dx.com/swb/archive.htm>

QSL, comments, etc.

World Radio TV Handbook 2025 Review

*By Gayle Van Horn W4GVH *

The 2025 edition of World Radio TV Handbook has recently been released, this being the third edition of WRTH and Volume 79, in the long and distinguished history of this highly anticipated release.

As this website is copyrighted you have to follow this link to read the full story:

<https://mt-shortwave.blogspot.com/2025/02/world-radio-tv-handbook-review-2025.html>

(Gayle Van Horn W4GVH)

Lowe Electronics and the Receiver Projects

I've recently exchanged some enjoyable emails with John Wilson, a name that will be familiar to many DXers.

He was an engineer with Lowe Electronics in Matlock, Derbyshire, and later served in a marketing capacity. John also published many receiver, accessory, and antenna reviews in the popular UK *Short Wave Magazine*. (SWM later was merged with *RadioUser*, which itself ceased publication a few years ago.) John is 86 years old now and living in Devon UK.

John's written a retrospective article on his years with Lowe. This article contains some very interesting (and sad) commentary on the animosity that existed within the ranks after a clueless new management took over the company. This is fascinating reading for anyone who has fond memories of the Lowe HF-150, the AOR AR7030, and the brilliant John Thorpe who designed both receivers.



...professionally expert and technically experienced...

John has given permission for me to post and distribute this article "Lowe Electronics and the Receiver Projects". In addition, he has compiled a large PDF (114 mb) of all of his *Short Wave Magazine* reviews and articles, 82 in total, which is also available. This is an excellent archive, and as useful as other vintage reviews found in sources like Passport, WRTH, etc.

Both PDFs can be down-

loaded at this link on my file storage service:

[https://www.mediafire.com/folder/yydxg4lwyh7ml/John_Wilson_\(Lowe_Electronics\)](https://www.mediafire.com/folder/yydxg4lwyh7ml/John_Wilson_(Lowe_Electronics))

(73, Guy Atkins, Aberdeen, WA)

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 Thursday via WOR:

<http://www.worldofradio.com/Hauserlogs.html>

The latest ones direct: https://www.w4uvh.net/ghlogs_2025_0123_0129.txt

Previous issue: https://www.w4uvh.net/ghlogs_2025_0116_0122.txt

Useful log links:

WOR: <https://groups.io/g/WOR>

WWDXC Top News: <https://www.wwdc.de/topnews.shtml>

DXplorer: <https://groups.io/g/DXplorer/messages>

Shortwave Central radio blog: <https://mt-shortwave.blogspot.com/>

DX Fanzine: www.dxfanzine.com (also pirate stations)

Liangas: <https://zliangaslogs.wordpress.com/2022/> (mostly using KIWI's around the world)

Pirates: <https://shortwavedx.blogspot.com/> <https://betajbk.blogspot.com/>

<https://ukdxer.wixsite.com/my-vxw-site-di06oi>

Here are some pirate tips links that might be worth spreading. /Per Eriksson, Sweden:

Achim Bruckner: <https://www.achimbrueckner.de/>

Lars Jeppesen, active listener: <http://lhu-dx-log.blogspot.com/>

Rick, Finland: <http://pirateradiolog.blogspot.com/>

Irish Paul: <https://irishpaulsradioblog.blogspot.com/>

3955	Feb 14	1833	Channel 292, Rohrdorf. E, pops, tks. // 9670 rtd. 45444. 3 (CGS)
3975	Feb 14	2248	Shortwave Gold, Winsen. E, pops. 4 (CGS)
3985	Feb 11	1909	R.Slovakia Int'l. via Shortwave Sce., Kall-Krekel. F, tks about Slovakia. 4 (CGS)
3990	Feb 1	1738	Xinjiang PBS, Urumqi. Uighur, tks, mx. 2 (CG)
4755	Feb 8	1317	Voice of Indonesia. Recently I observed and reported on the VOI changes to their format, with them dropping several of their long standing features (patriotic song "Bagimu Negeri" and "Today in History"). Now I have heard more irregularities. Monitoring via Kiwi SDR remote at Bandung, Indonesia. Feb 7: VOI (4755, with no signal on 3325) from 1317, heard with programming in Bahasa Indonesia; NOT in the usual English. 1406, was in Chinese; 1522, also not in English, but in language I couldn't confirm. So the language assignment today was an anomaly. Feb 8: Tuned into VOI (4755, again no signal from 3325) at 1311 for "Today's Commentary"; thought it sounded familiar so I checked my past notes; YES, after 1311+ all the programming was in English and a repeat of the same programming I heard on Feb 6. News of the president congratulating the Nahdlatul Ulama for celebrating its 102nd anniversary (news story - https://www.thejakartapost.com/indonesia/2025/02/06/nu-ready-to-back-prabowos-agenda-for-national-welfare.html). This is the first time I have heard VOI programming being repeated. Due to it being a Saturday? Why are all these new happenings going on at VOI? (Ron Howard, Monterey, Calif.) + (Méndez) + (CGS)
4765	Feb 8	-2000*	Tajik Radio, Dushanbe, comments, very weak, barely audible. (Méndez)
4775	Feb 12	2252	R.Tarma, Tarma. Cast, tks, anns. 2 (CGS)
4905	Feb 8	1617	Xizang RTV, Lhasa, Tibet, English, comments. // 7385. (Méndez)
4940	Feb 12	2254	Estación 4940, Arauca. Vn, tks. 3 (CGS) + (Méndez)
4965	Feb 12	1843	Voice Of Hope, Makeni Ranch. E, rlg. propag. Adj. uty. QRM. 3 (CGS) + (Méndez)
4970	Feb 6	1940-	R 567 - XRN Wee Waa NSW. This time too, it was so faint that the station had to be confirmed via stream. It started to fade away in 1955z with too much daylight. (ARK/Karelia SW DX)
5895	Feb 8	2102	Radio Northern Star, Bergen, pop and rock, id., comments. (Méndez)
5930	Feb 11	2208	World Music R, Bramming. Mx & songs. 3 (CGS) + (Méndez)
5955	Feb 9	0555	Radio Veronica, Westdorpe, pop, Dutch, comments. (Méndez)
5970	Feb 8	1951	Radio 208, Hvidovre, rock and pop. (Méndez) + (CG)

5990	Feb 5	2300	CGTN via Quivican. Reactivated frequency/time slot for English 2300-0000. Strong signal., modulation low, but generally usable audio. //11790 etc. (Potter)
5990	Feb 7	2340	CRI via Huhhot, Nei Menggu per EiBi. 2340-2350+ Russian man and woman. Very weak and fluttery. Listed //7415 too noisy to confirm. CGTN via Cuba off. (Potter)
5995	Feb 9	1935	R. Mali, Kati. F, home nx. 5 (CG) + (Méndez)
6000	Feb 5	0250	RHC via Quivican. At 0250, English reactivated; strong signal, fairly low modulation. 0300 w/English news. Still there 0400+. Note that at 0250, 6180 was carrying CRI relay, so that's two frequencies from Quivican at the same time. 5 February 2025 ----1215 RHC Spanish morning program reactivated. Clear IS, theme mx and ID at 1230. This happens while 9570 is carrying the CRI Cantonese relay, so again they have two transmitters operating at the same time. Spanish there at 1400 recheck. Like all transmissions from Quivican, this is irregular and frequently distorted. (Potter)
6010	Feb 9	0604	Radio Inconfidencia, Belo Horizonte, Brazilian songs. (Méndez) + (CG)
6030	Feb 16	*0259+	Radio Oromiya, via remote at Addis Ababa; musical IS(?); news (Angola took over the presidency of the African Union today, etc.); followed by HOA music/singing. News story - https://www.plenglish.com/news/2025/02/15/angola-takes-over-presidency-of-the-african-union/ : <i>"Angola today assumed the rotating presidency of the African Union (AU) for the first time, during the 38th Summit of Heads of State and Government in Addis Ababa, Ethiopia."</i> My remote audio - https://app.box.com/s/snh3trfw0k80u7ri06rjz5cqm3byh6 . Is unfortunate that this is not often heard in North America due to Radio Marti on frequency! BTW - Feb 16, checked 4949.7 for Angola, but as usual, no signal. (Ron Howard, Monterey, Calif.)
6050	Feb 9	0418	HCJB, Pichincha, religious songs and comments, Spanish. (Méndez)
6050	Feb 9	*0558-	ELWA Radio, Monrovia, open with religious songs, comments. (Méndez)
6070	Feb 9	0817	CFRX, Toronto, news. Strong QRM from Channel 292 on the same frequency. (Méndez)
6085	Feb 9	1522	Radio Mi Amigo International, Kall Krekel, pop, id. "Radio Mi Amigo". (Méndez)
6090	Feb 10	0445	also JBA, probably Amhara State Radio, a bit late and should be better circa *0300. > Nothing now on 6110, the other Ethiopian, Fana, both the only ones listed at these hours by EiBi (Glenn Hauser, OK, WOR)
6090	Feb 11	0405	Amhara State Radio, news from tune-in from 0405+; the whole time a soft background sound of Horn of Africa music. Recently when I heard and reported on Oromiya, I also always checked 6090, but the frequency was always silent until today. My remote audio - https://app.box.com/s/cbdbjls0slu325pt2ujvc9pg0sekb1g . (Ron Howard, Monterey, Calif.) + (Méndez)
6090	Feb 7	2320	CNR2 via Qinghai. 2320 t/in very weak audio fading in, 2330 enough audio to parallel recently discovered 7335, and the strong and badly hotted 9820. Sixth CNR2 outlet heard here in the 2300 block. Peaking at W-F level, fluttery. (Potter)
6110	Feb 11	0436	6110, Radio Fana, from 0436+ UT; Horn of Africa music/singing and announcers; audio was uneven (hiccups). My remote audio with one minute of music, followed by announcers (brief English at 03:03 on my audio clip) - https://app.box.com/s/j9x6pyc88fw3zqjjobsu3x2anblka7qp . (Ron Howard, Monterey, Calif.)
6115	Feb 9	-0800*	Radio Nikkei 2, Chiba-Nagara, Japanese, comments. Very weak. (Méndez)
6140	Feb 9	0645	Radio Onda, Borculo, classical music, French, comments, id. "Radio Onda". (Méndez)
6150	Feb 9	1527	Europa 24, Datteln, pop, German, comments. (Méndez)
6150	Feb 12	2203	R. Saturno, Belo Horizonte MG. Pops. 3 (CGS) + (Méndez)
6180	Feb 9	0831	Radio Nacional da Amazonia, Brasilia, Brazilian songs. (Méndez)
6185	Feb 9	0605	RealMix Radio, Raasepori, audible at times due to strong QRM from Radio Educación on the same frequency, English, comments, songs. (Méndez)
6185	Feb 9	0544	Radio Educación, Ciudad de México, Latin American songs, id. "Radio Educación", classical music, id. at 0726 "Una emisora de Radio Educación, la radio cultural de México". Slight QRM from RealMix Radio, Finland, on the same frequency. (Méndez)
7260	Feb 9	*0658-	Radio Vanuatu, Port Vila, English, id. "Radio Vanuatu, 7260 kHz short wave...", at 0700 interval signal, news, comments, id. "Radio Vanuatu", Bislama. (Méndez)
7325	Feb 12	1230	CRI via Jinhua, Zhejiang. 1230-1248+ Japanese man, into beautiful Chinese instrumental mx. Fair signal, fading; was good earlier. //7260 via Xian, Shaanxi, embedded in ham QRM, not quite as strong. (Potter)
7345	Feb 11	1220	Thazin Radio via Pyin Oo Lwin (Maymyo). Suspected at 1220-1245 with pop music program, woman anc in presumed Burmese. Dominating CNR7, Radio The Great Bay, for a good while as evidenced with CNR7 (by checking //13770) being underneath Thazin. Fair. Thanks Ralph Perry tips in Flashsheet. 50 kW per WRTH. (Potter)
7385	Feb 8	1600	Xizang RTV, Lhasa, Tibet, English, news and comments, Tibetan songs. (Méndez)

7390	Feb 9	1450	Radio New Zealand International, Rangitaiki, English, comments, music, at 1500 time signals, New Zealand and Pacific news. (Méndez) + (CG)
7405	Feb 9	1531	Radio Piepzender, Zwolle, , pop, oldies, Dutch songs. (Méndez)
7399.9	Feb 9	1540	Marconi Radio International, music, Italian, English, comments. Slight QRM from Radio Piepzender on 7405. (Méndez)
9380	Feb 5	-2400*	VOA via Udon Thani. Presumed. 2335-2400* spoken word program in listed Burmese. Weak with a couple of deep fades. (Potter)
9635	Feb 8	-1759*	Radio Mali, Bamako, at 1759 id., French, interval signal and close. (Méndez) + (CG)
9665.2	Feb 10	2241	R. Voz Missionária, Camboriú SC. Natl. nx magazine A Voz do Brasil. // 11749.802 barely audible, 5940v inaudible. 3 (CG)
9670	Feb 8	1633	Channel 292, Rohrdorf. E, songs, anns., e-mail addr. ann. Adj. QRM. 3 (CG)
9800	Feb 9	0757	Radio Delta International, Elburg, pop, id. "Radio Delta, radiodelta.am", English, comments. "Good Morning Europe". (Méndez) + (CG)
9818.6	Feb 11	1905	R. 9 de Julho, São Paulo SP. Tks. Weak audio. 2 (CGS) + (Méndez)
9890	Feb 6	2305	CNR13 Uighur Radio via Lingshi, Shaanxi. Likely the one heard 2305-2315+, naturally in listed Uighur. W-F. Weaker at 2330 check. 5 February 2025. 2347 carrier on, audio on abruptly at 2355 - seemingly no IS/theme mx - directly into M talking; fairly weak. This matches the s/on time as listed by EiBi et al for CNR13. (Potter)
9940	Feb 10	-1259*	R Thailand via USAGM Udon Thani. Heard 1250-1259* listed Malay, off abruptly; fair. Then, what seemed to be a beam change. Weaker at *1300 into Japanese as listed by Aoki....but unlisted in HFCC, WRTH. English as listed at 1315, poor. 1320 t/out. (Potter)
9960	Feb 9	0605	Radio Vanuatu, Port Vila, English, comments, id. "Radio Vanuatu", music. (Méndez)
11749.8	Feb 12	1906	R. Voz Missionária. Songs, rlgs. propag. // 9665.044 still vy. faint. 2 (CGS) + (Méndez)
11780	Feb 8	2001	Radio Nacional da Amazonia, Brasília, soccer, live matches. (Méndez)
11815.1	Feb 14	1915	R. Brasil Central, Goiânia GO. Mx. Poor audio. 2 (CGS)
12085	Feb 9	0800	Voice of Mongolia, Ulaanbaatar, open today without interval signal, id., "Welcome to the Voice of Mongolia in English", English, news and comments. (Méndez)
15189.8	Feb 12	1855	R. Inconfidência, Belo Horizonte MG. Nx, anns. incl. fq list, mx, px A Hora do Fazendeiro. Adj. QRM de PHL. 3 (CGS) + (Méndez)
15700	Feb 13	1236	World Music R. Mx & songs. 3 (CGS) + (Méndez)
25800.1	Feb 13	1238	World Music R. Mx & songs. 3 (CGS) + (Méndez)

CLANDESTINE & TARGET BROADCASTING

3480	Feb 14	2250	Voice Of The People (cland.), Goyang. Kor to KRE, songs, tks. 2 (CGS)
3910	Feb 10	1917	Voice Of The People (cland.), Goyang. Kor to KRE, tks. 2 (CG)
3930	Feb 10	1919	Voice Of The People (cland.), Goyang. Kor to KRE, tks. 2 (CG)
3985	Feb 14	2246	R.Echo Of Hope (cland.), Gyengi-do. Kor to KRE, tks, songs. 3 (CGS)
4450	Feb 9	2152	Voice Of The People (cland.), Goyang. Kor to KRE, tks. CODAR QRM. 2 (CG)
4560	Feb 12	2221	Voice Of The People (cland.), Goyang. Kor to KRE, radioplay (?). 3 (CGS)
4885	Feb 11	2206	R.Echo Of Hope (cland.), Nowong-gu. Kor to KRE,nx (p). 3 (CGS)
5995	Feb 1	1712	R.Echo of Hope (cland.), Gyengi-do. Kor to KRE, tks. 2 (CG)
6250	Feb 11	1840	R.Echo Of Hope (cland.), Hwaseong. Kor to KRE, tks, songs. Uty. QRM. 4 (CGS)
6279.9	Feb 8	2219	Sound Of Hope R Int'l., unk. site. Mand to CHN, tks. Meas. 6279.909. 2 (CG)
6340.2	Feb 1	1856	Sound Of Hope R Int'l., unk. site. Mand to CHN, tks. Meas. 6340.182. 1 (CG)
6350.1	Feb 14	1800	R.Echo Of Hope (cland.), Hwaseong. Kor to KRE, nx (p). Occ. strgr. uty. QRM. (CGS)
6520	Feb 12	1839	Voice Of The People (cland.), Goyang. Kor to KRE, tks, songs. Jammed. 4 (CGS)
6600	Feb 12	1841	Voice Of The People (cland.), Goyang. Kor to KRE, tks, songs. Jammed, occ. adj. SSB QRM. 3 (CGS)
7720	Feb 14	1750	R.Echo Of Hope. Kor to KRE, songs. 3 (CGS)
7729.9	Feb 14	1752	Sound Of Hope R Int'l., unk. site. Mand to CHN, tks. Meas. 7729.908. 2 (CGS)
9119.9	Feb 14	1511	Sound Of Hope R Int'l., unk. site. Mand to CHN, tks. Meas. 9119.863. 1 (CGS)
9280.2	Feb 8	2241	Sound Of Hope R Int'l., unk. site. Mand to CHN, tks. Meas. 9280.152.. 2 (CG)

VOLMET & UTILITY STATIONS

3485	Feb 11	2222	VFG Gander Volmet, NL. Met rpt. 3 (CGS)
4375	Feb 11	1835	ZSC Kaapstad R. Navig. warnings. 2 (CGS)
4405	Feb 6	1840	TAH İstanbul R. E, ocean wx. 3 (CG)
6230	Feb 14	1746	VMW Marine Weather Station, Wiluna WA. Wx warnings. 2 (CGS)
6501	Feb 7	2220	NMN Chesapeake R. Ocean wx. 3 (CG)
6507	Feb 14	1748	VMC Marine Weather Station, Charleville QLD. Wx warnings. 2 (CGS)
6604	Feb 14	1852	VFG Gander Volmet. Met rpt. Vy. faint. (CGS)
6676	Feb 9	1920	9VA-40 Singapore Volmet. ID, met rpt. 1 (CG)
6676	Feb 10	1932	VKA-930 Australian Volmet, Alice Springs NT. Met rpt. QRM de IND till 1932. (CG)

6676 Feb 11 1846 ARA Karachi Volmet. ID, met rpt. Interesting s/on time. 3 (CGS)
6676 Feb 11 1858 AWB Bombay Volmet. Met rpt, s/off ann. QRM over AUS 1900-1902. 3 (CGS)
6676 Feb 12 2146 VRK Hong Kong Volmet. Met rpt. Vy. faint. 1 (CGS)
6676 Feb 14 1940 HSD Bangkok Volmet. ID, met rpt. // 2965 rtd. 25341 3 (CGS)
6679 Feb 3 1917 VRK Hong Kong Volmet. Met rpt. Vy. faint. 1 (CG)
6679 Feb 8 1623 ZKAK Auckland Volmet. Met rpt. 1 (CG)
6754 Feb 6 2321 CHR Trenton Volmet. Met rpt. 3 (CG)
6765.1 Feb 14 2244 HSW Bangkok Meteorological R. E, ocean wx, fqs. & addr. ann., mx box IS at 2246. Uty. QRM. 4 (CGS)
7906 Feb 3 2238 XVI Quy Nhon R. Ocean wx. 1 (CG)
7906 Feb 12 2223 XVK Kien Giang R. Ocean wx. Occ. uty. QRM. 2 (CGS)
7906 Feb 12 2250 XVD Hue R. Ocean wx. Occ. uty. QRM. 2 (CGS)
8113 Feb 14 1742 VMW Marine Weather Station. Wx warnings. Occ. telegr. QRM. 3 (CGS)
8176 Feb 9 1930 VMC Marine Weather Station, Charleville QLD. Wx warnings. 1 (CG)
8740 Feb 11 1831 ZSC Kaapstad R. Navig. warnings. Occ. SSB QRM. 3 (CGS)
8743 Feb 12 1848 HSW Bangkok Meteorological R. Ocean wx, fqs. ann., mx box IS, ID at 1853, fqs. ann., ocean wx. 3 (CGS)
8764 Feb 12 2214 NMN Chesapeake R, VA. Ocean wx. 4 (CGS)
8812 Feb 12 1003 TAH İstanbul R. Ocean wx. 2 (CGS)
8828 Feb 3 1916 VRK Hong Kong Volmet. Met rpt. Vy. faint. 1 (CG)
8828 Feb 14 1052 ZKAK Auckland Volmet. Met rpt. 1 (CGS)
10051 Feb 14 1854 VFG Gander Volmet. Met rpt. 3 (CGS)
11387 Feb 14 1053 9VA-43 Singapore Volmet. Met rpt, s/off ann. 1 (CGS)
11387 Feb 14 1100 VKA-931 Australian Volmet. ID, met rpt. 2 (CGS)
11387 Feb 14 1110 HSD Bangkok Volmet. ID, met rpt. 2 (CGS)
12356 Feb 7 0911 ZLM Taupo Martime R. Ocean wx. 2 (CG)
12362 Feb 14 1738 VMW Marine Weather Station. Wx warnings. 3 (CGS)
12365 Feb 14 1740 VMC Marine Weather Station.. Wx warnings. 3 (CGS)
12788 Feb 14 1725 NMG New Orleans R, LA. Ocean wx. 2 (CGS)
13089 Feb 11 2238 NMC Point Reyes R. Ocean wx. 2 (CGS)
13089 Feb 14 1732 NMN Chesapeake R. Ocean wx. 2 (CGS)
13128 Feb 12 1005 TAH İstanbul R. Ocean wx. 3 (CGS)
13146 Feb 11 1838 ZSC Kaapstad R. Navig. warnings. 4 (CGS)
13148 Feb 12 2150 KPH San Francisco R, CA. Ocean wx, telegr. ID at s/off. 1 (CGS)
13149 Feb 14 1519 KLN Long Island R. Ocean wx. 1 (CGS)
13270 Feb 14 1856 VFG Gander Volmet. Met rpt. Occ. uty. QRM. 3 (CGS)
13282 Feb 14 1046 VRK Hong Kong Volmet. Met rpt, s/off ann. 1 (CGS)
13282 Feb 14 1050 ZKAK Auckland Volmet. ID, met rpt. 2 (CGS)
15034 Feb 14 1211 CHR Trenton Volmet, ON Met rpt. 1 (CGS)
16531 Feb 12 1013 ZLM Taupo Maritime R. Ocean wx. Via west path. 2 (CGS)
16546 Feb 11 2233 VMC Marine Weather Station, Charleville QLD. Wx warnings. 2 (CGS)
17314 Feb 14 1736 NMN Chesapeake R, VA. Ocean wx. 3 (CGS)

Contributors to the log:

wb, Wolfgang Büschel, DF5SX, wwdxc BC-DX TopNews, DXLD, DXplorer, A-DX Glenn Hauser, Enid, OK, USA (also WOR/DXLD) David Potter, Gainesville, FL	(CG)/(CGS), Carlos Gonçalves, Lissabon/SW Coast, Portugal Manuel Méndez, Lugo, Spain Ron Howard, Asilomar State Beach, Calif. (ARK/Karelia SW DX)
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Station news

BRAZIL. 4804.3, Feb 9 at 0100, JJBBA carrier direct, even weaker than the Peruvian JBA carriers on 4810, 4820. I'm checking here because of this report Feb 8: ``I heard a Brazilian last night on 4805 khz. Man and woman with lots of IDs by man as Rádio Difusora do Amazonas at 0310 UTC on the 8th, lots fading, lost them at 0315, heard on the PL-880. Ron Trotto, WDX4KWI, Virden, Illinois`` - to which I replied: ``Wow, that 4805 station in Manaus, ZYF273 with 10/5 kW had been gone for a long time. Checking some handy WRTHs, was listed in 2016 but not 2021. Glenn``

I had not noticed any carrier around 4805 before, but had not been seeking one. After 0100, I check all available KiwiS-DRs in S America and some beyond, with zero signs of any carrier circa 4805. Further research shows Amazonas station was still appearing on active-Brasil listings in 2017, but s/off time was 0100.

The 2016 WRTH gave a website, which still very much exists, for a station on 96.9 FM, <https://difusora24h.com/> and it

does appear to be the successor station. Nothing about 4805 to be found there now, nor contact info, but I do find some email addresses via social media sites; inquiry in Brazuguese has bounced twice due to ``mailbox full``, so will keep trying into weekdays. Meanwhile everyone keep an ear or remote on 4805v! (Glenn Hauser, OK, WOR)

BRAZIL [non?]. **4804.23** approx., Feb 11 at 0027, JBA carrier direct but unstable. By 0255 it`s about 4804.37. Could be local birdie. Following up report of ZYF273 reactivated on 4805:

Feb 9 at 2119: ``Dear Glenn. I've researched in many ways at 4805 AM, Rádio Difusora do Amazonas (former Rádio Difusora de Manaus) and found nothing about its reactivation by the Tropical Band. It is active in FM 96.9 MHz. I will continue to research about it! Yours sincerely, José Ronaldo Xavier, Cabedelo-PB, Brazil``

Feb 9 at 2143: ``Glenn, Brazil often comes in well into Masset. I checked 4805 last night and not even a carrier was seen. Walt Salmaniw, BC``

Feb 10 at 0059: ``I tried also all I got was a low carrier like something was their but was not making it. ron trotto-wdx4kwi, virden Illinois, Tecsun pl-880, grundig sat 750, sangean ats 909x`` Ron was the only one who reported it originally.

Mon Feb 10: Possibly a one-off test? My email to the 96.9 successor still bouncing as ``mailbox full`` (Glenn Hauser, OK, WOR)

JAPAN. This is **Radio NIKKEI's** special live "horserace" broadcast from Saga(located in Kyushu) Racecourse at 1000-1130UT on February 6, 2025.

See Radio NIKKEI's HP https://www.radionikkei.jp/mottosaga/20250206_nikkei2.html

Radio NIKKEI will broadcast live coverage of the 52nd "Saga Memorial" at Saga Racecourse on Thursday, February 6. The broadcast will be on Radio NIKKEI2 from 19:00 to 20:30.

The guest commentator will be voice actress Ami Koshimizu, and the commentary will be by horse racing critic Osamu Saito. The program will also feature an interview with six members of UMATENA, Saga's official idol group.

(Takahito Akabayashi, Tokyo, Japan via WOR)

GERMANY. Texas Radio Shortwave.

2025 PROGRAM SCHEDULE (MAR-MAY)

Month	Date (UTC)	Time (UTC)	Freq (kHz)	Target	Program
Mar	1	2200	3955	Eur	Music of Joe "King" Carrasco
	2	0200	9670	NAm E	
		0400	9670	NAm W	
		1200	6070	Eur	
	1300	9670	Eur		
9	1800	Mixcloud	Worldwide		
Month	Date (UTC)	Time (UTC)	Freq (kHz)	Target	Program
Apr	5	1900	3955	Eur	Music of The Fabulous Thunderbirds
	6	0100	9670	NAm E	
		0300	9670	NAm W	
	1200	9670	Eur		
13	1800	Mixcloud	Worldwide		
Month	Date (UTC)	Time (UTC)	Freq (kHz)	Target	Program
May	3	1900	3955	Eur	Music of Lee Ann Womack
	4	0100	9670	NAm E	
		0300	9670	NAm W	
	1200	9670	Eur		
11	1800	Mixcloud	Worldwide		

Note that on March 2, we're testing on Channel 292, 6070 kHz. The audio bleed-over from 6070 kHz to 3955 kHz is annoying, so we're looking to replace 3955 and will test time slots on 6070 to find the best time for year-round reception in Europe and beyond. Watch for additional tests, which may or may not make it onto our monthly schedules until we decide. Tests will be announced on our Facebook page, hobbyist pages, and in groups.io.

If you have any questions, feel free to ask.
(73. Terry Colgan N5RTC, Texas Radio Shortwave)

Other radio news

FEMA (Federal Emergency Management Agency)

Das Funksystem der Federal Emergency Management Agency (FEMA) ist ein landesweites HF-Funknetz in den USA, welches mittels automatischem Verbindungsaufbau (ALE) im Katastrophen- und Krisenfall eine Reservekommunikation ermöglichen soll. Bezogen auf die Anzahl seiner ALE-Aussendungen ist es eines der aktivsten Netze.

Zu meiner Überraschung habe ich heute erstmals von einer Station aus diesem Netz eine Empfangsbestätigung erhalten. Am 16. 12. 2024 hatte ich die Station GA4FEM aus Atlanta, GA, empfangen, die von der Georgia Emergency Management Agency betrieben wird. US Coast Guard und Homeland Security antworten grundsätzlich nicht auf Empfangsberichte. Da ist meine Freude über die heutige Post groß.

(Frank Wenzel via A-DX Fernempfang)



Perseus P22

Can someone from Microtelecom/Elad please advise, when it is planned to activate the ref-in feature.

Thanks and Regards

(Werner Kahn via Perseus-SDR)

Version 1.4 with playback window, recordings scheduler and style management improvement is planned by the end of February. Next version, hopefully by the end of March, should deal with the external reference.

(Regards, Vianney Colombat via Perseus-SDR)

[Perseus-SDR] Replacement powers supply

I use a https://www.jameco.com/z/DDU050100H4660-Jameco-Reliapro-AC-to-DC-Power-Supply-Wall-Adapter-Transformer-Single-Output-5-Volt-1-Amp-5-Watt_168605.html on my original Perseus.

(Wes Stewart, N7WS via Perseus-SDR)

5 Watt AC-to-DC Regulated Linear Wall Adapter

Output: 5 Volts @ 1 Amp

I'll vouch for these Jameco series power supply units. They are transformer linear supplies (not a switching supply), full-wave rectified with a nice clean DC voltage. They also come in 9 volt and 12 volt models. I use the 12 volt model for powering my loop preamps. Amazon carries most of them too. Well made, inexpensive, heavy. Don't throw one at someone!

(Bill, WE7W near Rochester, NY, <https://radio-timetraveller.blogspot.com>)



HAMMARLUND COMPANY HISTORY

The founder of the Hammarlund Manufacturing Co., Oscar Hammarlund was born in 1861 in Stockholm, Sweden. As a student he won the admiration of his classmates as well as high honors for his engineering ability. After completing technical college, he went to work as a special tool designer and inspector of electrical instruments for the L.M. Ericson Co. of Stockholm, a leading manufacturer and the originator of the French-type telephone. Shortly after taking this job, he received an offer for a similar position with the Elgin Watch Co. in the United States and accepted the opportunity to come to this country. He arrived in 1882.

Oscar Hammarlund's interest in the advance of wireless communications was keen enough that in 1910 he decided to organize a company for the purpose of developing his own ideas. The initial success of the Hammarlund Manufacturing Co., was due solely to his painstaking research and struggle during the early days, but was not until 1919 when radio broadcasting was about to become a reality, that Oscar Hammarlund had the opportunity to put the results of his early experiments to practical use

The full story here: https://www.hammarlund.info/info/company_history/co_history.pdf

Hammarlund-Roberts Receiver

The first receiver, a 5 tube receiver, was built by a joint company called Hammarlund-Roberts.

In 1927 an improved version was built, the HI-Q-6. This receiver was also sold as a kit.

Here you can see the receiver and the instruction book.

Two dials (primary tuning control knobs).
Wired and ready to use \$10 extra. Hammarlund De Luxe cabinet \$12.



HAMMARLUND COMET PRO



In 1931 production of one of the first super-heterodyne receivers, the Comet Pro started. The Hammarlund "Comet" line of receivers was perhaps the first super heterodyne communications receiver.

The receiver is variation 5 which is 9 tubes vs the 8 of the earlier models.

It has the early 30's crystal filter and AVC and six sets of plug in coils covering 8-550 meters.

There are two coils for each frequency. One

coil is marked OSC and the other W. L. (wave length) and each coil has its own variable capacitor. These capacitors are on either side of the main center dial which is the "band spread" function. The plug-in coils are covered by cylindrical shields to limit unwanted coupling.

All of the tuning scales are 0-100. To get a station the two coil caps are set at the same dial reading and the center dial works as a band spread dial. The cans are under some of the tube sockets and contain coils, caps, and resistors.

Related documentation is instruction manual #2 Installing Operating and Servicing the Crystal Model; Manual #3 Installing Operating and Operating the A.V.C. model; and the 5th edition of the Hammarlund Comet "Pro" instruction manual. Production year 1933.

Info from <https://www.qsl.net/la5ki/org/hm/hm.htm>

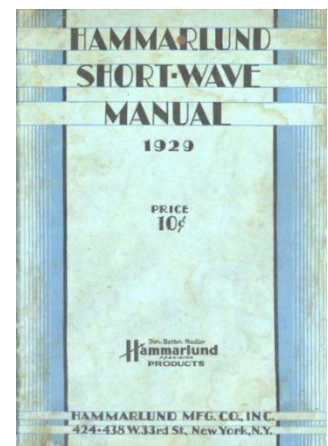
Welcome to my Hammarlund collection

A lot of interesting information about various receivers: <https://www.hammarlund.org/>

Hammarlund Shortwave Manual 1929

NO EFFORT has been spared in the preparation of this manual to present concise and accurate data which will be of permanent value to the amateur, experimenter, and listener-in. Roughly, half of the text has been devoted to the theory of shortwave receiver design and the other half to operation and practical constructional data. A quarter of the manual has been devoted to tables and curves which are of general utility. A small amount of catalog material has been included to give some data on the products which have made possible the realization of the exceptional possibilities of shortwave reception.

https://www.worldradiohistory.com/Archive-Early-Radio-Assorted/Hammarlund/Hammarlund_SW_Manual_1929.CV01.pdf



Grimeton Radio Station on YouTube

SWLing Post contributor, Jacob Brodsky shares a link to this excellent, short documentary about the **Grimeton Radio Station** on YouTube: https://www.youtube.com/watch?v=yhqMa_ymYcQ

(The SWLing Post, (2025-02-10) via MW Info)

Neueste Info von Burkhard Reuter zur Auslieferung des RSR200 (Feb 6)

"Ihr Gerät war für diese Woche zur Auslieferung vorgesehen... leider verzögert sich das (wie auch für alle anderen Geräte). Wir haben die Gehäuse erst am letzten Freitag bekommen, 3 Wochen später als erwartet. Nun sind wir fleißig am Montieren, Programmieren und Testen... ich denke, eine Woche können wir aufholen. Die ersten Geräte (darunter Ihres) sollten also übernächste Woche rausgehen."

(Marco Steiner via A-DX Fernempfang)

WWII, a secret spy base, and how RI nearly became the 'capital of the world'



A long time ago, when the world hadn't known that it'd one day be capable of inventing the [best handheld cb radio](#), on Darby Road in Scituate, Rhode Island, near the top of the 7th-highest point in the state (732 feet above sea level), is the site of what was once one of the nation's best kept secrets during World War II: the Chopmist Hill Monitoring Station. In March 1941, the Federal Communications Commission's Radio Intelligence Division (RID) set up a network of 13 top secret radio monitoring facilities designed to eavesdrop on German and Japanese radio traffic.....

More info at: <https://varnumcontinentals.org/2016/06/rhode-islands-top-secret-ear-on-the-world/>

1938 Howard Model 450A Communication Receiver

This was one of Howard's largest and most elaborate communication receivers featuring 12 tubes and tuning from .54mc up to 60mc.

Other features included dual IF frequencies, a Crystal Filter, Dual Frequency BFOs, 9 watts of Push-Pull Audio output and a spectacular tuning dial system

https://www.radioblvd.com/Howard_Radio_Company.htm



Isfjord Radio, Svalbard 1954



This picture is from Isfjord Radio, Svalbard 1954. The operator is Gabriel Jacobsen.

German army WWII radio equipments. The one he worked on is TORN eB. for HF band.

The radio on the top-right hand maybe a Radionette "Frihets-superen", made in that period (~1946 1950). (Oddvar Ulvang, K9YA Telegraph)

[WOR] IARU Celebrates 100 Years

When amateur radio pioneers first gathered in Paris on 18 April 1925, they created the International Amateur Radio Union (IARU) to support their activities worldwide.

Since then, the IARU has worked tirelessly to defend and expand the official frequency allocations for amateur radio.

Thanks to the support of enlightened administrations in every

part of the globe, radio amateurs can experiment and communicate in frequency bands that are strategically located throughout the radio spectrum.

From 25 countries in 1925, the IARU has grown to include over 160 member-societies today. (eHam.net)

Estación 4940 – Venezuela, By Bill McDavitt

(The following information is based on conjecture based on my research, Bill McDavitt.

(Continues as a Work in Progress)



Estación 4940 Location: Estación 4940 is in south-west Venezuela near the Colombian border: Apure State, Munoz Municipality, Rincon Hondo Parish G.C. 7.20 North, 69.00 West.

Estación 4940: The Beginning: Russell Stendal Christian Missionary Activity in Colombia/Venezuela. Russell has been involved with Missionary work in Colombia and Venezuela for years, educating the rural population with free Bible distribution, single frequency portable radios distributed free to the rural population as well as setting up and supporting radio station transmitters for Christian Gospel broadcasting.

Full story can be found here: <http://www.swlqslmuseum.com/Estacion4940/> ([WOR] BDXC-UK Communication items, Feb)

Re: [WOR] It's time to remember John Bryant

Many more tributes here: https://groups.io/g/IRCA/topic/it_s_time_to_remember_john/111081490
(Glenn Hauser via WOR)

Walter Salmaniw wrote on February 9, 2025 via groups.io:

Tomorrow (today, UTC) marks the 15th anniversary of a great loss to the DXing hobby, Professor John Bryant who passed away on Tuesday February 9th, 2010. It's difficult to believe that he left us so many years ago already. John was preparing his home in Stillwater, OK for sale before moving out permanently to the beautiful mountain top home on Mt. Constitution on Orcas Island. Unfortunately, he had a fall from a ladder sustaining a fatal head injury. His obituary outlines his many passions, especially radio.

<https://www.islandssounder.com/obituaries/john-hulon-bryant/>

Anyone who ever met John quickly realized his amazing intellect and curiosity. I had the great pleasure of knowing John, and his wife Linda for a number of years. John visited my DX cabin in Masset on a couple of occasions, and we visited John and Linda a few times on Orcas Island, including picking up a new Eton E1 receiver, as well as a bunch of electric fence posts which at that time were not found in Canada, but very useful for stringing DKAZ antennas. My son and I flew to Orcas Island and after a lovely afternoon, escaped the Island just before a major storm to get back to Victoria in our little Cessna 172. I no longer own the Eton, but still have many memories of John, and a few of his matching transformers, chokes, the electric fence posts, and all the volumes of Proceedings. John was an amazing man. I'm sure he's up there kicking himself that he missed out on the SDR revolution that we've experienced since his passing. R.I.P, my dear friend!

(Walt Salmaniw, Victoria/Masset, BC)

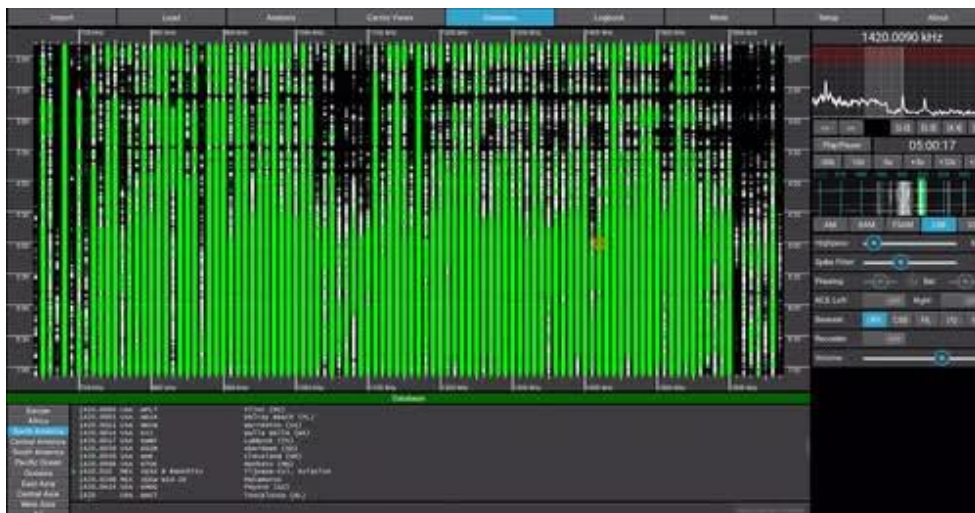
WavViewDX

WavViewDX is a tool to browse through your SDR recordings. It provides highly specialized analysis features for trans-atlantic medium wave DX (9 kHz and 10 kHz).

New: The algorithms for trans-atlantic medium wave DX have been ported to the shortwave bands. All modes support exact frequency measurement using reference carriers, e.g. from a GPSDO. Medium wave analysis also supports frequency calibration without reference carriers (accuracy about +/- 2Hz).

More info and download link on this site: <https://rweiss.de/dxer/tools.html>

WavViewDX - Probably The Most Versatile Playback Software Today



So, this is it - the brainchild of German DX-er Reinhard Weiß.

A great article by Bjarne Mjelde about Reinhard Weiß work on WaveViewDX.

<https://arcticdx.blogspot.com/.../wavviewdx-probably-most...>

Credits to both of you!

(MW Circle)

A DXer at the head of Public Radios in Uruguay

Dear fellow radio listeners and DXers, I am sharing with you this article that is written on my blog.

<https://gabrielgomezdiexista.blogspot.com/2025/02/un-diexista-al-frente-de-las-radios.html>

«Dignifying and strengthening public radios proposes Daniel Ayala, future director of RNU».

Dr. Daniel Ayala was a member of the legendary DX Club of Uruguay, participating in the writing of its printed newsletter and then founder of the program «Radioactividades», a program dedicated to DXism and to researching the history of radio and the media and its protagonists.

A program that has been on the air for 36 years without interruption on public radios.

The Minister of Education and Culture, José Carlos Mahía, (who will take office with the new government on March 1 for the period 2025-20230), appointed Dr. Daniel Ayala as director of the National Broadcasting of Uruguay (RNU).

Interviewed on INFO24, precisely on «radio day», Ayala reviewed his career as a radio host on the program «Radioactividades».

He was the host of “El Baúl” on CW33 La Nueva Radio in Florida, recognized with the Gaucho de Oro award. He was the programming coordinator of M24 97.9 FM where he hosted the program “Color Sepia”.

Ayala is a doctor of medicine and an anatomical-pathologist and from his profession he was president of the Medical Federation of the Interior, and currently he is a member of the National Council of the Medical College of Uruguay.

He was also Director of the Department of Culture and Sports of the Florida Municipality and Coordinator of the MEC FIFlorida Centers.

He chaired the Frente Amplio Florida, and was elected as an alternate deputy in 2024 by list 959609.

In this talk he highlighted the role of the SODRE stations since their beginnings, recalled the transformation carried out by Sergio Saccomani and projected the work he hopes to do in this administration.

Photo from left to right:



Luis Ignacio Moreira, producer and sound technician for the Radioactividades program, Dr. Daniel Ayala, host and producer of the Radioactividades program, Adrian Korol, Director of Radioadifusion Argentina Abroad, and Gabriel Gomez, DXer and writer of this article.

(CX7BI-CX0001, Gabriel Gomez, Montevideo Uruguay)

Re: [WOR] Stations still using Interval Signals

I run across the REE interval signal fairly regularly. I occasionally hear a "Yankee Doodle" at the close of a VOA transmission, but it's a shame that interval signals are not there before a broadcast.

I notice that Radio France Internationale, when it shifts beams/frequencies, doesn't do so at :58 or :59 past the hour, nor does the programming accommodate a break at this point. (They used to run music or promos for other shows from :57 or :58 to :00). With RFI, I hear carriers drop about 30 or 40 seconds past the hour and then return 30 or 45 seconds later. So, even if the frequency is not changing (just the beam), a listener loses the most important story in the newscasts. Or a new frequency comes on late -- after the top story. I haven't heard an interval signal from RFI in decades.

What I particularly miss is any attempt by most broadcasters to inform SW listeners of times and frequencies during broadcasts. VOA used to do some of this, announcing the frequencies during their broadcasts. Years ago, the BBC would have an announcement to the effect of "This frequency is now closing. Transmissions continue on these frequencies." Oh, such courtesy! These days, many SW broadcasters just start and end a transmission in mid-sentence with no explanation.

One drawback of interval signals was if they prevented listening to an adjacent station. In the 1970s, I remember being annoyed by DW running a full 15-minutes of clanging bells from 0145 to 0200 UTC on 6085, making it impossible to listen to the last 15 minutes of Radio Luxembourg in English on 6090. I still wince when I hear that interval signal.

All this is part of the self-fulfilling decline in SW listening. Don't post program schedules or frequencies online (looking at you, VOA), call your output a "podcast" instead of a radio program, start transmissions late or end them early (and abruptly), don't run an interval signal a few minutes before a broadcast so someone can be sure they are on frequency to hear a program that starts at the top of the hour. It's a wonder that we bother to listen...

Certainly, interval signals were more important during the heyday of SW broadcasting, when there were literally a dozen major international broadcasters available in English at any given time, all crammed together on the dial before digital frequency readouts began to appear on radios in the 1970s. But I always felt they were a welcoming note -- sort of like drinks in the sitting room before dinner was served.

(Mike Cooper via WOR)

Interval Signals Online: <https://www.intervalsignals.net/>

DX nostalgia by RFK

Radio station pennants and other memorabilia from decades past evoke a sense of nostalgia, a longing for a simpler time when radio was king. The vibrant colors, the bold logos, the very fabric of those pennants transport me back to an era when radio stations were woven into the fabric of our lives. Growing up, having a pennant from a beloved radio station was a badge of honor, a symbol of loyalty and dedication. It meant that you were not just a casual listener, but a true fan, someone who understood the power and magic of radio.

In a time before satellite radio and streaming services, radio stations had to work harder to reach their audiences. They invested in powerful transmitters, tall towers, and efficient antennas to ensure their signal could be heard over large distances. Listeners would tune in from cars, from campgrounds, from the top of hills and mountains, seeking that perfect spot where their favorite station would come in crystal clear. It was a shared experience, a community event, when a radio station could be heard from far and wide.

Radio station pennants from back then are more than just pieces of cloth and string. They are memories of a time when radio was a gathering place, a community hub, a source of entertainment, news and companionship. They are reminders of the DJs who became friends, confidants, and celebrities in their own right. Listeners would write letters, make requests, and call in to chat, forging connections with the voices on the other side of the microphone.

Those pennants are also symbols of a time when radio was not just about the music or the talk shows, but about the experience of listening. The crackle of static, the soft glow of the radio dial in the dark, the anticipation of hearing your favorite song or show - these were all part of the radio experience. And having a pennant, proudly displayed in your bedroom or on your car antenna, was a way of showing your pride in being a part of that experience.

Today, as I look at those old radio station pennants, I'm filled with a deep sense of nostalgia and a tinge of sadness. I miss the romance of radio, the magic of the medium, and the sense of community it once fostered. I miss the idea of a radio station being a beacon, a guiding light, a constant companion on life's journey. And as I hold these relics of a bygone era, I can't help but feel a longing for the way things used to be, when radio was the heart and soul of our world.

How disappointing it is to see the greed and materialism of today's world seeping into the hallowed ground of radio history. The very idea of ruthless sellers stalking old DXers, hounding them relentlessly, solely for the purpose of profiting off their cherished collections of pennants and QSLs is beyond upsetting. These relics are not merely objects to be bought and sold, but precious memories, tangible links to a time when radio was a labour of love, a public service, a community asset. The fact that anyone would have the audacity to nag and harass those who are preserving these artifacts for posterity, all for a quick buck, is a sad commentary on the state of our society. It's as if they are trying to steal the very soul of radio, the essence of what made it so special and beloved by generations past. I can only hope that the true enthusiasts, the ones who understand the real value and meaning behind these pennants, will continue to protect and safeguard them, keeping them out of the grasping hands of the greedy and the unworthy.

Hold fast to your pennants and QSLs, dear DXers! Guard them jealously, as the precious historical treasures they are. Don't be swayed by the enticing promises and relentless pleas of those who just seek to profit from your collections. You are a part of radio history, the keepers of the flame of a bygone era when broadcasting was about more than mere commerce. Your pennants and QSLs are not just pieces of paper and cloth - they are tangible proofs of the power and magic of radio, to the communities it fostered and the lives it touched. So stand firm, hold fast, and never surrender your collections to the grasping hands of greed. Your pennants and QSLs are yours to cherish, yours to preserve, yours to pass down to future generations as a legacy of the golden age of radio.

So let's have a look at some pennants. Here we have some examples from the collection of Lars Rydén, LR. Clockwise Colombian Transmisora Caldas, Brazilian Radio Cultura do Nordeste and IBRA Radio Tanger. The last station used to be very popular in Sweden, also amongst regular radio listeners and not only DXers.



While you are admiring your pennant collection maybe you would fancy a glass of Polar? As this is a Venezuelan brand of beer I suspect that it was a station in Venezuela which sent this pennant to Lars Rydén. But I really don't know. Anyway, they suggest you should start the year of 1959 with a small Polar. Whether or not any samples of the product came with the pennant and QSL is not known....



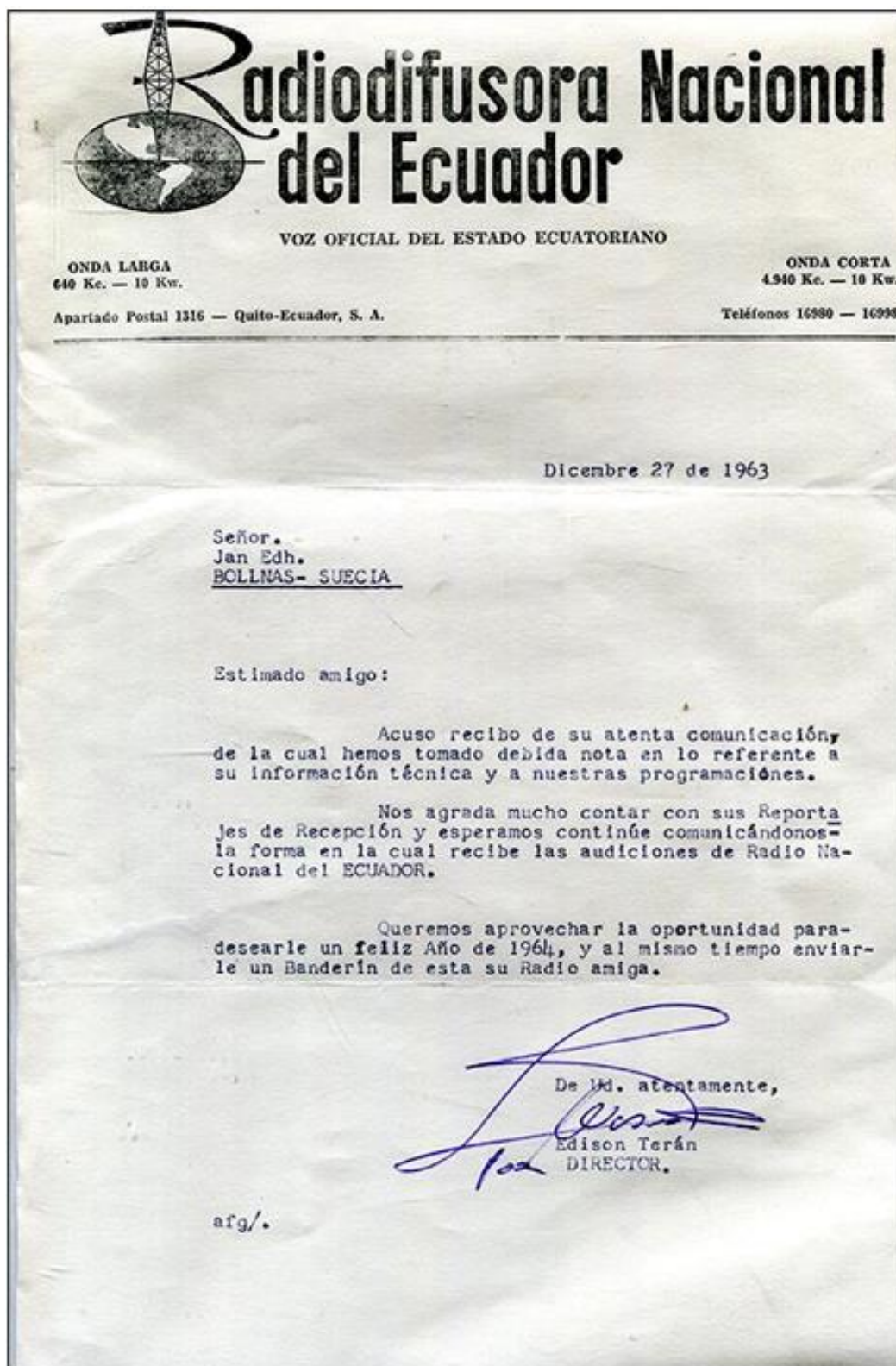
Some more pennants rescued from the “grave-diggers”. I find this trade to be a disgusting and exploitative practice, taking advantage of the elderly and the infirm, preying on their desperation for extra income in their twilight years. Selling off the cherished remnants of a lifetime's passion for radio, the very symbols of their achievements and memories, is a vile and unethical business model that besmirches the very spirit of DXing and the radio hobby. These so-called 'grave-diggers' (yes, many DXers do call them that) are nothing more than modern-day grave robbers, plundering the history of radio for their own selfish gain. Anyway, here are some more pennants, this time from the collection of Olle Alm OA. Clockwise Radio Guatapurí (Colombia), Radio Gazeta de Alagoas (Brazil) and the Todelar network (Colombia).



We will have more pennants in upcoming editions of DX nostalgia. Now for a QSL from a country which left SW entirely a long time ago. Behold this QSL from the collection of Bengt Dalhammar BD: Radio Programas Continental, Panama. It was received in 1956.



Finally we have a verification letter from Radiodifusora Nacional del Ecuador which Jan Edh JE received in 1963.



Your comments and contributions to DX nostalgia are always welcome. Please mail me at info@rock.x.se if you want to share something with us. Take care and stay safe, 73 & GOOD DX!