

# SHORTWAVE BULLETIN

Issue no. 2032, July 10, 2023

Deadline e-mail next issue: 1000 UTC, July 23, 2023

This issue will be published one day delayed.

Yesterday we attended the Falkenberg Motor circuit which is one of Sweden's oldest circuits and the fastest in terms of average speed, located on the west coast some 100 km up north from here.

My wifes sisterdaughter, Siri age 16, is in the top of junior racing and the Nxt Gen Cup is for the next generation racing drivers in the next generation race cars. That means fully electric Mini Cooper cars with 190-230 hp motors and top speed of 200 km/h. Siri was number 8 of 18 in the final in a very exciting race.

The annual Ham Radio show was held in Friedrichshafen. A lot of interesting new products could be seen there.

The new Perseus 22 could be seen as a prototype and another interesting SDR shown was the Spectran V6, a new German SDR.

Finally many thanks to Ronny Forslund for preparing a Nostalgia column for every SWB.

Have a nice summer!

Keep on ....

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## SWB-info

SWB info:

<http://www.thomasn.sverige.net/>

Dateline Bogotá 1993-1998:

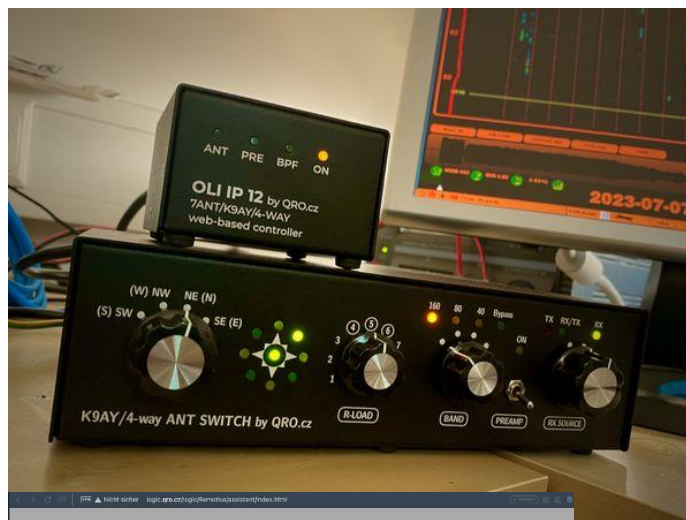
<http://www.hard-core-dx.com/swb/Dateline.htm>

SWB latest issue/archive:

<http://www.hard-core-dx.com/swb/archive.htm>

## QSL, comments, etc.

### Fernsteuerbaren K9AY Antenne



Auf der diesjährigen HAM RADIO habe ich mir bei Jan - qro.cz - Hamparts.shop den Traum einer fernsteuerbaren K9AY Antenne erfüllt. Die Kombination seiner Hard- und Software ist genial. So kann man die Antenne "vor Ort" über den Controller bedienen UND NEU nun auch über das Internet. Die gesamte Installation ist durch sehr verständliche



PDFs ausgezeichnet erklärt, das Interface für die Fernbedienung sehr übersichtlich programmiert. Ein großer Dank an [Jan Šustr](#) und [Michael Müller](#) für diese geniale Kombination. *Noch ist Antenne und Antennenbox nicht aufgebaut.*

<https://hamparts.shop/blog/k9ay-rx-antenna.html>

(Christoph Ratzler via A-DX Fernempfang)

**Johan Letterstål**, Grevlunda (JLS-G) GRX23: Semester DX på Österlen, Grevlunda. 2020 var senaste gången (Herte, Gotland) och är därmed i högsta grad ringrostig. Mycket skräp i luften. Åska, mycket el-störningar från diverse mystiska källor och el-stängsel (Peder Fredricsons? eller hönsgård?). Mycket har hänt på KV-bandet och det känns numera verkligen avfolkat! Bevakade SIBC 5020 vid grayline men inget konkret. Väl hemma kollade jag några KiwiSDRs i AUS och NZ. Tomt! Däremot hördes Vanuatu fint på 7260. Afedri+ALA100 15m loop (ej optimal N-S riktning av praktiska skäl). HDSDR+Afedrec+System Scheduler. Ett urval bland 770 filer a 3 min! UTC kommer I loggen. (Trevligt att du väljer härliga Österlen för din semester. /TN)

**Christer Brunström: Radio Six International (via Channel 292)** 9670 QSL-letter from Tony Currie who founded the station 60 years ago. The anniversary was celebrated with a 24-hour broadcast on 9670 kHz on June 6th.

**Manuel Méndez: 7260, Radio Vanuatu**, Port Vila, received eQSL in 15 hours. Reception report sent to: [robertw@ybtv.vu](mailto:robertw@ybtv.vu) Thanks very much to Pradip Chandar Kundu, ADXR, and Ron Howard for the contact info.

## Log

(UTC)

**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\\_2023\\_0629\\_0705.txt](https://www.w4uvh.net/ghlogs_2023_0629_0705.txt)

Previous issue: [https://www.w4uvh.net/ghlogs\\_2023\\_0614\\_0621.txt](https://www.w4uvh.net/ghlogs_2023_0614_0621.txt)

### Useful log links:

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

**SWLDXBulgaria News:** <https://groups.io/g/WOR/messages>

**WDXC Top News:** <https://www.wdxc.de/topnews.shtml>

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

**DX Fanzine:** [www.dxfanzine.com](http://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://ukdxe.webs.com/>

**EU SW Pirate addresses:** <https://ukdxe.webs.com/addresses>

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

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

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

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

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

3310.01	Jun23	0055	R Mosoj Chaski. Weak but clear. (JLS-G) + (Méndez)
3975	Jun26	2103	Shortwave Gold, Winsen. E, pops. 3 (CG)
3985	Jul2	-1956*	Radio Andorra revival via Kall Krekel, French, songs, comments, at 1955 French Anthem, Shortwave Service interval signal and close. (Méndez)
4775.02	Jun24	0145	R Tarma. ID. Surprised me! Several years since. (JLS-G) + (Méndez)
4810	Jun22	0250	R Logos tent. Weak. LSB best. (JLS-G)
4820	Jul1	0140	Xizang PBS, Baiding, Tibet Chinese talk 2 (AP-DNK)
4820	Jun23	0115	R Senda Cristiana tent. Ute QRM. (JLS-G)
4840	Jul1	0145	WWCR, Nashville, TN English religious talk 3 (AP-DNK)
4885.02	Jul1	0150	R Clube do Pará, Belém, PA talk 3 (AP-DNK) + (Méndez) + (JLS-G)
4940		2320	Estación 4.940 *) through this signal, during recent days I have been listening to a transmission in indigenous language between approx. 2320 to 2340, indication corresponds to "Piaroa indigenous language" according to Wikipedia: Los Piaroa or wötjüja are an indigenous people living on the shores of the Orinoco and its tributary rivers in present-day Venezuela and in some other areas of Venezuela and Colombia. It is estimated that the population exceeds 20 thousand people. Other names for this people are wotiheh, ohothuha, wóthuha or dearwa. In the video (in the post of the FB group) at 00:06 you can hear: "... The continuation of programming broadcast in Piaroa indigenous language..."
			*) The name: Estación 4940 heard and recorded (by video) by colleague Henrri Santiago. I heard some mentions of "señal onde corta 4.940" and "en la senal onda corta internacional 4940"
			<a href="https://www.facebook.com/groups/531629043622500/permalink/6268531623265518/?mibextid=Nif5oz">https://www.facebook.com/groups/531629043622500/permalink/6268531623265518/?mibextid=Nif5oz</a> (Translated from Spanish by Google Post by Rafael Rodríguez in the Cadena DX Facebook group) + (Méndez)
4965	Jun27	2030	Die Voice of Hope Africa aus Lusaka ist schwach gegen 2030 auf 4965 kHz im Tropenband zu hören. (Christoph Ratzer via A-DX) + (Méndez)
4985	Jul3	0515	Radio Brasil Central, Goiania, Brazilian songs, id. "Radio Brasil Central, comunicando para o mundo", "Madrugada Musical. // 11815. (Méndez) + (AP-DNK) + (JLS-G)
5010	Jul1	0200	WRMI, Okeechobee, FL English talk 3 (AP-DNK)
5025	Jul1	0205	R Rebelde, Bejucal talk 4 (AP-DNK) + (JLS-G)

5050	Jul1	0210	WRNI, Okeechobee, FL English ann, pop songs 3 (AP-DNK)
5895	Jul3	2114	R. Northern Star (p), Erdal. Songs. 1 (CG) + (Méndez)
5910	Jun30	0504	Alcaraván Radio, Puerto Lleras, religious comments, Colombian songs.
5930	Jul1	0525	World Music R, African pop songs, ID 3 CWQRM (AP-DNK) + (Méndez) + (CG)
5940	Jun24	0100	Voz Missionária. Preaches. Good! (JLS-G)
5940.3	Jul1	2055	R. Voz Missionária, Camboriú SC. Rlgs. propag. & songs. // 9664.955, 11750.083. 3 (CG)
5955	Jul2	0450	Sunlite Radio, Westdorpe, pop. (Méndez)
5970	Jul7	2041	R. 208 (p), Hvidovre. Empty carrier. 2 (CG) + (AP-DNK) + (Méndez)
5985	Jun21	2200	R Northern Star. A lot of IDs and jingles. Good. (JLS-G)
5995	Jul1	*0559-	Radio Mali, Bamako, *interval signal, id. "Radiodiffusion Télévision du Mali emettant de Bamako", program "Au Chant du Coq", French, Vernacular, news, comments. (Méndez)
5995	Jul1	*1801-	R.Mali, Kati. IS, songs. 2 (CG)
6000	Jul2	0235	R Habana with nice jazz. Very good. (JLS-G)
6010	Jun30	0501	Radio Inconfidencia, Belo Horizonte, Brazilian songs. (Méndez)
6016.7	Jun28	-0442*	Organización Radial El Prado, at 0441 Colombian National Anthem and close. (Méndez)
6050	Jul1	-0500*	HCJB, Pichincha, Spanish, comments about Ecuador provinces, id. "HCJB presentó Ritmos y Canciones de Nuestra Tierra", music and close. No anthem today. (Méndez) + (JLS-G)
6060	Jul1	1845	Radio Delta International, Elburg, music, id. "Radio Delta International". (Méndez)
6115	Jul2	1835	Radio Congo, Brazzaville, extended program also today, French, comments, news, African songs, id. "Radio Congo". At 2046 still on air. (Méndez) + (CG)
6170	Jul1	0130	Scandinavian Weekend R, Virrat. Nonstop Finnish pop songs 3 (// 11690 was not audible here) (AP-DNK)
6180	Jun29	2032	Radio Nacional da Amazonia, Brasilia, id. "Radio Nacional". // 11780. (Méndez).
6185	Jul3	0448	Radio Educación, Ciudad de México, comments, music, id. "Radio Educación...". (Méndez)
6185	Jun30	2043	R.Vliegende Hollander via R.Pipzender(t),Zwolle G, pops, tks. T-ID via DX press. 3 (CG)
7260	Jun25	0725	Radio Vanuatu, VBTC Port Vila, pleasantly good signal at 0725 with just a touch of ham QRM as two women converse in a mix of French and Bislama. Seems maybe a Christian religious topic. Mx theme on local instruments 0758 and then into nx magazine program with studio YL interviewing remote man from TOH. Vanuatu still there at 1015 check and now booming with nice island mx, choral stuff with ukeles and drums, etc. Then into local pop song rapped by OM and singing group backed by bass and drums. OM anmt in Bislama 1030 and then into inspirational pgm by preacher in EE, after theme song by YL with guitar. (Perry - II)

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Hi Glenn,

Recently Ralph and I have both been enjoying the good RV reception. June 25, I was also on 7260 kHz., hearing a signal that was stronger than usual, but unfortunately was on a day with extremely active hams with a massive contest, filling up most of the band.

Some highlights:

0617-0630: Discussion in Bislama about domestic violence, physical violence, etc.

0631: Weather report, in Bislama.

0652: Spot about Port Vila traffic (texting causes a distraction, do not drink and drive, etc.).

0656: Song by New Generation, a multi-cultural and multi-ethnic group from Hawaii.

0701-0713: News/sports/weather in Bislama (People's Summit being held - <https://dspac.gov.vu/index.php/monitoring-evaluation-unit> ; list of items provided by the Cook Islands regarding cyclone damage assistance to Vanuatu, etc.).

0713+: Nice island music and religious songs.

My audio of selected songs - <https://app.box.com/s/vmxwhwqxuqg8kzv6s13ptji5ig25p96t> (NASWA Flashsheet item June 25, Ron Howard, California) + (Méndez)

9635	Jul3	*0800-	Radio Mali, Bamako, interval signal, French, id. in French "Ici la Radiodiffusion Télévision du Mali emettant de Bamako", Vernacular comments. (Méndez), (- 1800* CG)
9700	Jun29	1902	R. NZPacific, Rangitaiki. E, nx, sports nx, wx forecast. Ex-11725 at this time. 4 (CG)
9819.1	Jun29	2038	Radio 9 de Julho, Sao Paulo, religious songs and comments. (Méndez)
11690	Jul1	0455	Scandinavian Weekend Radio, Virrat, rock and pop songs, Finnish, comments. (Méndez)
11720	Jul1	1900	Scandinavian Weekend Radio, Virrat, music, id. "Scandinavian Weekend Radio". Strong QRM from Radio New Zealand on 11725 from 1900 to 1959. (Méndez)
11750.1	Jul4	2104	R. Voz Missionária, Camboriú SC. Rlgs. propag., mx background. 3 (CG) + (Méndez)
11780	Jun21	2320	R Amazonia. Discussions, QRM RCI 11770, (JLS-G)
11815	Jul2	0506	Radio Brasil Central, Goiania, Brazilian songs, "Madrugada Musical". (Méndez)
11995	Jun8	1703	Radio Taiwan International with a special broadcast in German from the transmitting station in Tamsui. These broadcasts will continue Fri-Sun during the month of July. 3 (CB)
12075	Jul3	-0650*	Radio Delta International, Elburg, instrumental music, id. "Radio Delta International", English, comments, reading listeners reports, more music, id. "Radio Delta from Elburg", closing down the test transmission at 0650. Very good signal. (Méndez)

15190	Jun30	1725	R. Pilipinas, on June 30. Has been well over a year since I last listened during this time period. 1725: Xmtr on; 1728: Test tone; 1730+: Choral National Anthem; intro in Filipino/Tagalog with correct frequencies (9960 [not heard], 12120 [very poor] and 15190 [fair]) and also some English ("Serving the Republic of the Philippines for more than 75 years"); news items in Filipino/Tagalog with IDs about every minute (yes, an overkill of IDs!); items about coconut farmers, inflation rate, military aircraft, list of universities, overseas workers, etc.; no break at 1800. My audio today is posted at <a href="https://app.box.com/s/sd6i8c7uvou6fz24a82123ku4t3qwh9">https://app.box.com/s/sd6i8c7uvou6fz24a82123ku4t3qwh9</a> . Over a decade ago, I loved listening to this station when they often aired the interesting DZRM Radyo Magasin 1278 kHz. simulcast, as well as DZRB Radyo ng Bayan 738 kHz. My audio of Radyo ng Bayan from 2010, when they gave a full list of stations - <a href="https://app.box.com/shared/i331dxclnv">https://app.box.com/shared/i331dxclnv</a> . Unfortunately they dropped the simulcasts many years ago. (Ron Howard, California)
15190.2	Jul5	2209	R. Inconfidência, Belo Horizonte MG. Tks, possibly the natl. nx magazine A Voz do Brasil. 1 (CG) + (Méndez)
15476u	Jul1	1825	LRA 36, Radio Nacional Arcángel San Gabriel, Base Esperanza. Very weak and strong fading today, only audible at times. From 1910 and later inaudible. (Méndez)
15699.7	Jul1	1753	World Music R, Randers. Mx & songs. Rtd. 35432 at 2100. 3 (CG) + (Méndez)
15720	Jun29	2126	R. NZPacific, Rangitaiki. E, interview. 3 (CG)
25800	Jun30	1906	World Music Radio, Marslet, music, id. "World Music Radio". (Méndez)

### CLANDESTINE & TARGET BROADCASTING

5920	Jul6	1130	Voice of Freedom, on July 6, second day on this alternate frequency and still free of jamming! 1130-1200 "Aneun geos-i him-ida" (Knowing is power). Theme music by the Lee Hanjin Band - "Good Time" - <a href="https://www.youtube.com/watch?v=bB0FHb4Wo_w">https://www.youtube.com/watch?v=bB0FHb4Wo_w</a> . Today's program audio - <a href="https://app.box.com/s/1qupuptd7y8w3eoidk1gutu6584pdi">https://app.box.com/s/1qupuptd7y8w3eoidk1gutu6584pdi</a> . 1200-1210 single tone; then "Jayu-e solibangsang-eseo bam 9 (ahob) sileul allyeodeulibnida" (In English - Voice of Freedom has announced 9pm); nice singing station jingle - "jinsil-e soli, huimang-e soli, jayu-e soli bangsong!" (Voice of Truth, Voice of Hope, Voice of Freedom broadcast); then the "Bodo gwangjang" (News Plaza) segment. My audio today <a href="https://app.box.com/s/p4ahxj3vmkufemmpj13dwkn9fwrgyi">https://app.box.com/s/p4ahxj3vmkufemmpj13dwkn9fwrgyi</a> . 1215-1230 "Ingwon baloalgi" (Getting to know human rights). Thanks very much to Amano (Japan) for IDing this program. My audio of radio drama and music at <a href="https://app.box.com/s/u5dkm9a0tqx1pxy3tf2eth9f72z1215m">https://app.box.com/s/u5dkm9a0tqx1pxy3tf2eth9f72z1215m</a> . 1230-1300 "Haengboghghan Daehanmingug" (Happy Republic of Korea). My audio at <a href="https://app.box.com/s/0b6v0tz4p624arr8pj8mfks41qrvifaw">https://app.box.com/s/0b6v0tz4p624arr8pj8mfks41qrvifaw</a> . (Ron Howard, California)
6340.2	Jul2	2049	Sound Of Hope R Int'l., unk. site. Mand to CHN, tks. 1 (CG)
6370	Jul2	2047	Sound Of Hope R Int'l., unk. site. Mand to CHN, tks. 1 (CG)
6520	Jul3	2123	Voice Of The People (cland.), Goyang. Kor to KRE, tks. Jammed. 2 (CG)
9120	Jul5	2205-	Sound Of Hope R Int'l., unk. site. Mand to CHN, tks. 1 (CG)
9229.9	Jul4	2058-	Sound Of Hope R Int'l., unk. site. Mand to CHN, tks. Adj. uty. QRM. 1 (CG)
9280.2	Jul5	2207	Sound Of Hope R Int'l., unk. site. Mand to CHN, tks. 1 (CG)

### VOLMET & UTILITY STATIONS

6230	Jul5	2004	VMW Marine Weather Station, Wiluna WA. Wx warnings. 1 (CG)
6501	Jul4	2147	NMN Chesapeake R, VA. Ocean wx. 1 (CG)
6507	Jul5	2002	VMC Marine Weather Station, Charleville QLD. Wx warnings. 1 (CG)
6604	Jul3	*2120-	VFG Gander Volmet, NL. ID, met rpt. 2 (CG)
6676	29/6	2147	ARA Karachi Volmet. Met rpt. 2 (CG)
6676	Jul4	2052	9VA-40 Singapore Volmet. Met rpt. QRM de Karachi Volmet 2050-2052*. 2 (CG)
6676	Jul4	*2200-	VKA-930 Australian Volmet, Alice Springs NT? Met rpt. 1 (CG)
6676	Jul6	1851	AWB Bombay Volmet. Met rpt. 2 (CG)
6676	Jul6	*2210-	HSD Bangkok Volmet. Met rpt. 2 (CG)
6679	Jul6	*1850-	ZKAK Auckland Volmet. Met rpt. Worse on // 13282. 2 (CG)
6679	Jul7	2047	VRK Hong Kong Volmet. Met rpt. 1 (CG)
6765.1	Jul3	1900	HSW Bangkok R. Ocean wx. 2 (CG)
7906	Jul5	2225	XVK Kien Giang R (p). Viet, ocean wx. 2 (CG)
8113	Jul3	1850	VMW Marine Weather Station, Wiluna WA. Wx warnings cf. // 12362 rtd. 15341 albeit a bit strgr. 1 (CG)
8176	Jul3	1848	VMC Marine Weather Station, Charleville QLD. Wx warnings cf. // 12365 rtd. 25342. 1 (CG)
8743	Jul3	1857	HSW Bangkok R. Ocean wx. Better on // 6765.1. 2 (CG)

8764	Jul4	2146	NMN Chesapeake R, VA. Ocean wx. 2 (CG)
8828	Jul2	1852	ZKAK Auckland Volmet. Met rpt. 1 (CG)
8828	Jul2	*2045-	VRK Hong Kong Volmet. ID, met rpt. Rtd. 25341 on // 13282. 1 (CG)
10051	Jul7	1852	VFG Gander Volmet. Met rpt. 2 (CG)
11387	Jun30	2252	9VA-43 Singapore Volmet. Met rpt. 1 (CG)
11387	Jun12	-1844*	HSD Bangkok Volmet. Met rpt. *** The W .R. Hepburn '21 list indicates 2310-1145 only *** 2 (CGS)
11387	Jul4	-2205*	VKA-931 Australian Volmet, Alice Springs NT? Met rpt. 2 (CG)
12356	Jul7	2116	ZLM Taupo Maritime R. Ocean wx. 2 (CG)
12362	Jul1	1652	VMW Marine Weather Station, Wiluna WA. Wx warnings. Better at 1746 when rtd. 1 (CG)
12365	Jul5	2000	VMC Marine Weather Station. Wx warnings. 3 (CG)
12788	29/6	2135	NMG New Orleans R, LA. Ocean wx. 3 (CG)
13089	Jul4	2145	NMN Chesapeake R. Ocean wx. 3 (CG)
13270	Jul7	*1850-	VFG Gander Volmet. Met rpt. Uty. QRM. Better on // 10051 interference wise. 3 (CG)
13282	Jul1	*1810-	JIA Tokyo Volmet. Met rpt. 1 (CG)
13282	Jul2	*0950-	ZKAK Auckland Volmet. Met rpt. 1 (CG)
13282	Jul7	*2045-	VRK Hong Kong Volmet. Met rpt. 2 (CG)
15034	Jul4	-2200*	CHR Trenton Volmet. Met rpt. 3 (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)  
 Manuel Méndez, Lugo, Spain  
 Perry – II, USA

CG/CGS, Carlos Gonçalves, Lissabon/SW Coast, Portugal  
 Ron Howard, Asilomar State Beach, CA, USA, WOR/DXLD  
 CB, Christer Brunström, Halmstad, Sweden  
 AP-DNK, Anker Petersen, Skovlunde, Denmark  
 JLS-G, Johan Letterstål, Grevlunda Sweden  
 Christoph Ratzer, Salzburg, Austria

## Station news

**ANTARCTICA, 15476usb, LRA 36, Radio Nacional Arcángel San Gabriel** new schedule.

According with a whatsapp from the station here is the LRA 36 new schedule:

Mondays and Fridays from 1300 to 1500 UTC

Saturdays from 1800 to 2300 UTC

Mondays and Fridays they probably will issue the new program "Ecos de la Antártida" and Saturdays the current program "Uniendo Voces".

(Manuel Méndez)

**BOLIVIA.** With acceptable signal but without audio, only carrier; Radio Pio XII on the hour on 5952 kHz. It seems that the only time that the shortwave turns on is on Saturdays between 2230 and 0100 UTC. Thanks for the tip from Lucio Bobrowiec in Brazil. Rafael Rodríguez R. Bogotá D.C.

**BRAZIL.** [bdxc-news] It's **SUPER REDE BOA VONTADE** not Radio Boa Ventende

So... after spending some considerable time in trying to find contact details for "Radio Boa Ventende" on 9550kHz... I eventually find out out it is called Super Radio Boa Vontade (in English) and lives here: <https://boavontade.com/pt/radio>

If you click on the "Abrangência" ("Coverage") link - you'll see the frequencies they broadcast on - including the 9550kHz from Port Alegre/RS. I've attached a screenshot of that page to show you.

There is a contact form on the website - but that is about having a prayer said for you. On their Facebook page <https://www.facebook.com/boavontade> they have an email address of [info@boavontade.com](mailto:info@boavontade.com) - and there is also an email address of [radio@boavontade.com](mailto:radio@boavontade.com) at the foot of their website homepage.

(Paul Flanagan, Billingham, Cleveland via bx-dx news & WOR)

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 Ha, they claim 49 mb frequency is 6.610 kHz! Was on 6160 but I think long inactive. But is reported on both 9550 and 11895. Aoki shows Boa Vontade only on 11895; on 6160 and 9550 it's misspelt Ventade. Goodwill. EiBi shows 9550.1 and 11895.1, correctly spelt. I never hear it during my habitual hours: signs off early, signs on late?  
 (73, Glenn Hauser via WOR)

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 6160 kHz is heard now in Brazilian Kiwi's, much weaker than 9550 kHz, nothing on 11895 kHz.  
 (73, Mauno Ritola via WOR)

## CANADA.

Again this month we have to report the shutdown of two shortwave broadcast stations, including one of the most sought after DX targets broadcasting from right here in Canada.

The closure of several Canadian AM stations was announced in Canada by Bell Media. Included in that list of stations was CKMX 1060 AM in Calgary. Connected to that station was the shortwave target, the low-powered shortwave relay, CFVP, the 100 watt station on 6030 kHz. This unique station was a much desired DX catch by DXers around the world, but not any more.

CFVP shortwave signed on the air in 1931 to rebroadcast the programs of CFCN-AM. The "VP" in the call sign represented the corporate owner, The Voice of the Prairies Ltd. The signal expanded CFCN's coverage area across the prairies and into the north. The original call sign was VE9CA. The station broadcast on a frequency of 6030 kHz with a power of 100 watts. The transmitter was located at Strathmore (with CFCN). Permission was received to move the transmitter site for CFCN/CFVP, seven miles east of Calgary, at Midnapore, in 1981.  
(July 2023 CIDX Messenger via WOR)

**SINGAPORE.** Articles on BBC Far Eastern Relay Station, Kranji, Singapore which is scheduled to close down on 16 July 2023 is in:

Dr. Adrian M. Peterson, AWR Wavescan, USA

<http://mt-shortwave.blogspot.com/2015/06/bbc-far-eastern-relay-station-return-to.html>

<http://www.ontheshortwaves.com/Wavescan/wavescan060730.html>

Dr. T. Jaishaktivel, VU3UOM, Chennai

<https://swli05639fr.blogspot.com/2019/04/kranji-singapore-towers-of-bbc-pics-by.html>

Richard Buckby:

[https://www.bbceng.info/Operations/transmitter\\_ops/Reminiscences/Kranji/Kranji.htm](https://www.bbceng.info/Operations/transmitter_ops/Reminiscences/Kranji/Kranji.htm)

(Jose Jacob, VU2JOS, Hyderabad, India via WOR)

## USA. KVOH turns off its shortwave transmissions.

*-Frecuencia Al Dia-*

Attention. KVOH turns off its Short Wave transmissions. Last night was the last transmission of the KVOH station, La Voz de Esperanza (Voice of Hope) from California on the frequency of 9975 kHz.

Another great loss for listeners around the world. Maintenance costs are too high.

(Dino Bloise, Frecuencia Al Dia Facebook page 26 March) {er, June}

(via Alan Pennington [WOR] Fw: [bdxc-news])

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Wavescan report on **KVOH** going silent, #749 starting at 19:40. The only reason given, mentioned by **Jeff White**:  
``the victim of extremely high electricity rates in southern California, which made it not viable to continue transmissions`` [https://awr.org/program/engmi\\_wav/](https://awr.org/program/engmi_wav/)

5.7.2023 [WOR] Wavescan report on KVOH closedown

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**Please see my article on KVOH and their other stations written 2 years back in <https://qsl.net/vu2jos/VOH.pdf>**

Jose Jacob, VU2JOS, Via WOR)

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Looks like a rapid closure, and not only for shortwave. [https://www.voiceofhope.com/schedule/kvoh\\_program\\_grid.pdf](https://www.voiceofhope.com/schedule/kvoh_program_grid.pdf) has been updated as recently as on 15 June. Now the program output is gone altogether and the web stream deleted, producing an error message at <https://www.voiceofhope.com/player1.html>

It also looks as if no revival of the transmissions to West Africa is intended anymore, they have been erased from the program schedule, latest version from 1st June 2023 [https://www.voiceofhope.com/schedule/voh-africa\\_program\\_grid.pdf](https://www.voiceofhope.com/schedule/voh-africa_program_grid.pdf) which also reveals that the Zambia station is no longer used in the morning, leaving 1400-1600 on 6065 and 1600-2100 on 4965 as complete schedule.

(Kai Ludwig via WOR)

## USA. Texas Radio Shortwave July 2023 program Schedule

Date	Time (UTC)	Freq	Program
07/02/23	0000	5950	Gary Clark, Jr.
07/02/23	0100	5950	Texas July 4th *
07/02/23	1200	15770	Texas July 4th *
07/09/23	0000	5950	Joe Ely
07/09/23	0100	5950	Texas Music A to Z #2
07/09/23	1200	1577	Texas Music A1p Z #2
07/16/22	0000	5950	Roy Head
07/16/23	0100	5950	KUTX 98.9 Studio 1A #2

07/16/23	1200	15770	KUTX 98.9 Studio 1 A #2
07/23/23	0000	5950	Murder at Midnight (2 episodes)
07/23/23	0100	5950	George Strait
07/23/23	1200	15770	George Strait
07/30/23	0000	5950	Austin Saturday Night*
07/30/23	0100	5950	Traveling Wilburys
07/30/23	1200	15770	Traveling Wilburys

This schedule is subject to change without notice.

Target Areas; 5950 kHz = North America. 15770 kHz = Europe, North Africa, Middle East.

\* A special QSL is available for this show.

(Terry Colgan)

**VANUATU.** Thanks very much to Pradip Chandar Kundu (Agartala, Tripura, India), via ADXR (July 2023), for the contact info! Sent off a reception report, with audio file, to Robert Warren <robertw @ vbtc.vu > and received the attached e-QSL in about two hours. Please notice the **power "10 Kw."** He is the senior technical officer at VBTC.

Very happy to have their current QSL!

(Ron Howard, California)

**VBTC**  
blong yumi evriwan

**Q S L**  
**VERIFICATION CARD**

To: **Ron Howard**  
 Station: Radio Vanuatu  
 Date: 17th June 2023 Time: 0617~ 0713 (UTC standard time)  
 Frequency: 7260 Power: 10 Kw Transmitter: SW

**SHORT WAVE**

AM 7260 kHz  
 AM 5040 kHz  
 PM 3945 kHz  
 PM 2485 kHz

**AM**

1125 kHz

Sincerely yours: Warren Robert (Please sign)

## Other radio news

### [AM \(MW\) Band And Electric Vehicles: Should We Worry? \(Pt. 2\)](#)

Further to my [June 17 post](#), I've done some tests with my own car. What are the main components that differ an EV from an ICE car? Full story at: <http://arcticdx.blogspot.com/>

(Bjarne Mjelde via [arcticdx.blogspot.com](http://arcticdx.blogspot.com/))

### [End Of The KONG HQ KiwiSDR Project](#)

Yesterday, DEC-26, the last working KiwiSDR at the KONG HQ was turned off after a couple of weeks offline.

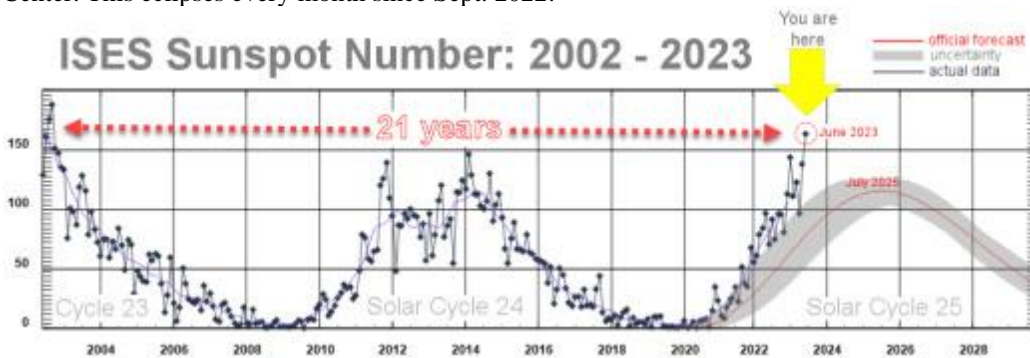
The KiwiSDR was the brainchild of NZ resident John Seamons. While the concept itself was not novel (the Twente SDR had been operative for several years), the mass production, excellent cost/quality ratio and networking certainly was.

Full story at: <http://arcticdx.blogspot.com/>

(Bjarne Mjelde via [arcticdx.blogspot.com](http://arcticdx.blogspot.com/))

## SUNSPOT COUNTS HIT A 21-YEAR HIGH:

The sun is partying like it's 2002. That's the last time sunspot counts were as high as they are now. The monthly average sunspot number for June 2023 was 163, according to the Royal Observatory of Belgium's Solar Influences Data Analysis Center. This eclipses every month since Sept. 2022:



Solar Cycle 25 wasn't expected to be this strong. When it began in Dec. 2019, forecasters believed it would be a weak cycle akin to its immediate predecessor Solar Cycle 24. If that forecast had panned out, Solar Cycle 25 would be one of

the weakest solar cycles in a century.

Instead, Solar Cycle 25 has shot past Solar Cycle 24 and may be on pace to rival some of the stronger cycles of the 20th century. The last time sunspot numbers were this high, the sun was on the verge of launching the Great Halloween Storms of 2003, which included the strongest X-ray solar flare ever recorded (X45), auroras as far south as Texas, and a CME so powerful it was ultimately detected by the Voyager spacecraft at the edge of the solar system. (spaceweather.com)

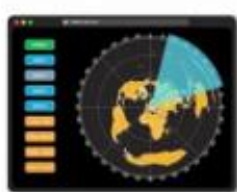
<https://spaceweatherarchive.com/2023/07/05/sunspot-counts-hit-21-year-high/>

## HAMPARTS.SHOP

Im Hamparts.shop von Jan gibt es einige Artikel die vieles technische zum Hobby ausführlich und verständlich erklären. Ist einen Besuch wert, nicht viele Shops machen sich diese Arbeit.

<https://hamparts.shop/blog/technical-articles/>

### TECHNICAL ARTICLES



**technical**  
REMOTE  
SYSTEM

K9AY+, 4-WAY beverage system and 7ANT - Remote Control



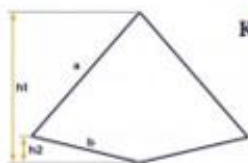
**technical**  
KIT or NOT?

KIT or NOT? What to choose?



**technical**  
INSULATORS

Insulators for the wire antennas



**technical**  
K9AY DESIGN

K9AY design & Phased array



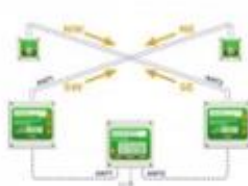
**technical**  
HOLDERS

Holders



**technical**  
CAT-5 & CAT-6 CABLES

CAT-5 and CAT-6 control cable



**technical**  
FEEDERS



**technical**  
CLASSIC vs BOG

(Christoph Ratzer via A-DX Fernempfang)



## **DX/SWL/MEDIA PROGRAMS updated July 4**

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

(Glenn Hauser via WOR)

## **Besucherkzahlen HAM RADIO 2023, Friedrichshafen**

Liebe Hobbyfreunde, gerade erreichte mich eine Email der Ham Radio (Umfrage) mit der Besucherzahl. 11.100 waren es dieses Jahr. Etwas mehr als die 10.000 im Vorjahr, aber immer noch deutlich weniger als vor der Pandemie.

2023: 11.100

2022: 10.000

2019: 14.300

2018: 15.460

2017: 17.110

2016: 17.230

Auch wenn die Besucherzahlen sinken, die Aussteller weniger werden, hoffe ich dass es die Messe auch weiterhin gibt. Immerhin gab es mit der Aaronia AG auch einen neuen und sehr interessanten Aussteller.

(Viele Grüße, Reinhard Weiss via A-DX)

## **RTRS is conducting regular tests of short-wave radio communications in remote areas of the Arkhangelsk region.**

On Tuesday, June 27, in one of the remote and hard-to-reach regions of Pomorye - the Mezensky District - the latest generation of domestic equipment for shortwave radio communication is being tested. This work is carried out by specialists of the Russian Television and Radio Broadcasting Network (RTRS) in pursuance of the minutes of the meeting of the operational headquarters of the Arkhangelsk region on the implementation of the Decree of the President of the Russian Federation chaired by Governor A.V. Tsybulsky in terms of working out the issue of creating a regional shortwave communication system.

Details in Russian - / <https://arhangelsk.rtrs.ru/prof/rtrs-region/newspaper/rtrs-provodit-na-otdalennykh-territoriyakh-arhangelskoy-oblasti-ocherednye-ispytaniya-korotkovolnov/> (<https://moscow.rtrs.ru/>)

(RUS-DX #1244)

## **Radio Sputnik reacted to Lithuania's plans to jam the broadcast.**

Vilnius' plans to put up an FM frequency for the competition to drown out Sputnik radio broadcasts in the country will be ineffective, says Eldar Gribanov, technical director of Sputnik radio. Earlier it was reported that the Lithuanian Radio and Television Commission decided to announce a competition to select a radio station that will broadcast in the western part of Lithuania on the frequency of Sputnik radio, drowning it out. As explained in the Communications Regulatory Council, in mid-June it turned out that the broadcast of Sputnik radio from the Kaliningrad region can be heard in the Klaipeda region. "This is ineffective. Firstly, we have not yet deployed in the Kaliningrad region as planned. We will do this within a couple of months. And, of course, we will take into account that the countries neighboring the Russian region will want to limit the right of their citizens to free access to information," Gribanov told RIA Novosti. According to him, this is not very profitable for commercial stations, since one should not expect large advertising profits on such air. "We don't know any decent state broadcasters in Lithuania," Gribanov explained.

radiosputnik.ria.ru ([https://onair.ru/main/enews/view\\_msg/NMID\\_86441/](https://onair.ru/main/enews/view_msg/NMID_86441/))

(RUS-DX #1245)

## **HAM RADIO 2023**

*Short report of the exhibition company:*

Ham Radio sparks enthusiasm for technology

At the weekend it was that time again: Antennas, radios, brand new transmitters and receivers and a varied program on MINT (mathematics, IT, natural sciences and technology) attracted 11,100 visitors to the exhibition center in Friedrichshafen. Funk fans from 59 nations came together to celebrate their annual, international reunion and to use Ham Radio as a platform for mutual exchange. "Ham Radio lived up to its reputation as Europe's largest amateur radio fair. In cooperation with our ideal partner, the German Amateur Radio Club e.V., we have shown that amateur radio plays an important role in society. This year's motto 'We do MI(N)T' really worked and with many campaigns focused on youth work, which proved to be a crowd puller," say Klaus Wellmann, Managing Director of the fair, and Project Manager Petra Rathgeber. 392 participants, 149 of them commercial, exhibiting companies as well as international associations and 243 flea market exhibitors, represented the diversity of the radio industry.

(Christoph Ratzer, A-DX fernempfang)

## **HAM RADIO 2023 PHOTO GALLERY**

As in the last few years, I also photographed a small photo report about the HAM RADIO fair in Friedrichshafen in 2023.

Enjoy the tour. <https://ratzer.at/galerien/ham-radio-2023>

(Christoph Ratzer via A-DX Fernempfang)

## PERSEUS 22

The new Perseus22 was shown again at the ELAD stand. The SDR is now to be available "in autumn" (i.e. 2023) for 2,400 euros. The concept is certainly well-considered, pure medium and shortwave listeners will ask themselves why they need the VHF range. When I asked about a possible cooperation or API (as I did last year), they said it was very difficult as it was and that the software had to be finished first.



As for the two receivers. They are absolutely necessary for the automated noise canceling process through diversity, similar to the SDR Duo, but automatically.

If this function is even remotely as good in daily practice as Nico's audio files showed some time ago, that's a terrific improvement. Hopefully we will then be able to bring this revolution to the market. At Elad there wasn't much specific information about the Perseus, it was all very difficult in the software development, but they want to sell it "from autumn" for now 2,400 (!) Euros. That is far too much, especially when you look at what other manufacturers are developing, such as Aaronia, who presented an SDR at the fair that will be much talked about in the future. Its version for us shortwave listeners costs around 1,600 euros. The large version of it also costs up to 10,000 euros. I'm looking for the details here and will report

later.

(Christoph Ratzer via A-DX Fernempfang)

According to ELAD, the delay of one year (2022->2023) is due to the development of a completely new software. The developers weren't really happy with the old one and decided to write a completely new SW instead of tinkering with the old one.

As for the two recipients. They are absolutely necessary for the automated noise canceling process through diversity, similar to the SDR Duo, but automatically.

Incidentally, the "Charly 25" transceiver can also do this automatically.

Integrating VHF is an obvious choice with the AD converters available today.

Not using this possibility would be a waste of resources through non-use. And the 6m band is also interesting for listeners (Es).

For a while there was an additional part for the "old" Perseus, but only for VHF-FM.

Was probably too expensive and therefore not very popular.

Incidentally, the man from ELAD told me that the demand for the old Perseus was still unbroken.

(Clemens Paul, DL4RAJ via A-DX)

## The Japanese "Rolls-Royce" radio receivers made in JAPAN

An interesting link to this website: <https://icomjapan.blogspot.com/2023/06/the-japanese-rolls-royce-radio.html> There are several pictures and comments about the various JRC models produced during the years.



JRC NRD-2 from 1968-69

The Japan Radio Company was established in 1915 and is one of the oldest and largest electronics manufacturing companies in the world. J.R.C. is a respected leader in marine radio equipment, mobile and satellite communications, computerized dam and river management systems, computer graphics, fiber-optics, radar, navigation equipment and avionics systems. J.R.C. employs over 3,500 employees worldwide.

J.R.C. sales in 1990 exceeded ¥108 billion. J.R.C. is best known in North America for their respected line of NRD-5x5 receivers. This series started with the NRD-505 and continues to the current NRD-535. A line of quality HF amateur transceivers is also available. Occasionally one may be lucky enough to find one of J.R.C.'s commercial receivers available in the hobbyist market such as the NRD-92 or NRD-93. Please note that J.R.C. "commercial" sensitivity specifications are very conservative compared with "consumer" specifications used by other manufacturers. (Franck Fzeroduw via Arctic Radio Club)

## SPECTRAN\_V6 SDR

Model	Price	Rx Channels
SPECTRAN® V6 ECO 200XA-6	€2,498.00*	2 Rx
SPECTRAN® V6 ECO 100XA-6	€1,498.00*	1 Rx

Specification	Model 1 (2 Rx)	Model 2 (1 Rx)
Rx	2 Rx	1 Rx
Tx	-	-
Rx RTBW	44/44 MHz	44 MHz
Tx RTBW	-	-
DANL	-170 dBm/Hz	-170 dBm/Hz
FPGA	930 GMAC/s	930 GMAC/s
Sweep	500/3000 GHz/s	500 GHz/s
Design	USB Desktop	USB Desktop

If you wanted to be really speechless, you only had to go to the Aaronia stand at the HAM RDAIO. There you could see the new 16 bit SPECTRAN\_V6 SDR. Note the 4UHD displays used for each SDR! Available in the smallest "ECO" version for us listeners for 1,500 euros (excl. taxes & shipping) in two months. Simon Brown's SDR Console is already running with it.

(Christoph <https://ratzer.at>)

See: <https://aaronia.de/spektrumanal.../spectran-v6-usb-echtzeit/>

I wonder why a company like Aaronia would want (or need?) to get hobby listeners as customers.

You don't learn anything about any pre-filters/band-pass filters, they are definitely not available. The advertised high sensitivity can only be achieved with the pre-amplifier option for just under €1000 + VAT. Without the VV, a sensitivity like a Perseus with a 10 attenuator is to be expected. Just enough up to 14MHz - with a very good antenna.

I am very skeptical that the concept will be successful.

(Clemens Paul, DL4RAJ via A-DX)

Good morning,

the Aaronia booth was also very interesting and very impressive for me. However, I wonder what a company that mainly produces for surveillance professionals is doing at an amateur radio fair. Especially since Aaronia doesn't have a single device ready for delivery to offer.

I'm curious to see if they'll be back in Friedrichshafen next year. (73 Stephan Wick via A-DX)

## History of "The Cadillac Radios" COLLINS RADIO TX and RX in PDF by W3MY

[https://www.k4vrc.com/uploads/7/8/8/6/78865320/collins\\_history\\_presentation\\_tvarc\\_9-21\\_\[w3my\\_russ\].pdf](https://www.k4vrc.com/uploads/7/8/8/6/78865320/collins_history_presentation_tvarc_9-21_[w3my_russ].pdf)



Seventy-five years ago a small radio communications company, operating from the owner's basement, officially incorporated in the state of Delaware. From these humble beginnings arose one of the nation's foremost communications and avionics companies -- The Collins Radio Company. Arthur Collins, W0CXX, started building high quality Amateur Radio equipment that from the very beginning was to make the Collins brand legendary among ham radio operators worldwide. Collins was acquired by Rockwell International. In 2001 the company was spun off into what is today Rockwell Collins, Inc with over 19,500 employees worldwide.

Fifty years ago, and 25 years after incorporation, in September 1958 Collins Radio introduced a completely new line of amateur communications equipment -- the S/Line. The 75S-1 receiver, 32S-1 transmitter and 30S-1 power amplifier set a new standard of excellence in areas of styling, reliability, frequency accuracy, stability, signal quality and linear amplification. The S/Line enjoyed a long production history and today still commands premium prices among classic radio enthusiasts and collectors.

(Franck Fzeroduw via Arctic Radio Club)

## FREE PDF BOOK HEATHKIT A guide to the Amateur Radio and SWL Products by WA7ZZE

See: <http://w8dy.org/wp/wp-content/uploads/2017/11/Heathkit-AGuide-ToTheAmateurRadioProducts.pdf>



(Franck Fzeroduw via Arctic Radio Club)

More info here:

### The Heathkit Legacy

As published in *Monitoring Times*, July 2013

I wrote this feature article on Heathkit for *Monitoring Times* of Brasstown, North Carolina.

I've decided that more folks might want to read the article as published in the July 2013 issue. I have added some additional supporting images on this website which could not be included in the article due to space limitations.

Please note that the article is **copyrighted** and may not be reproduced without permission of *Monitoring Times* or the author.

And here is the link to this interesting article:

<https://people.ohio.edu/posr/bapix/HLegacy.htm>

(TN)

## Heathkit Model GC-1A Mohican



This radio is a 1960's Heathkit Model GC-1A Mohican portable receiver. It is powered by 8 flashlight batteries or by an ac power supply. It is one of the first transistorized general coverage receivers. The radio tunes from 550 kHz to 32 MHz in 5 bands. The circuitry has 10 germanium PNP transistors and 6 diodes.

More info at: [http://wd4eui.com/Heathkit\\_GC\\_1A\\_Mohican.html](http://wd4eui.com/Heathkit_GC_1A_Mohican.html)

and: <https://people.ohio.edu/posr/bapix/hMohican.htm>

(Franck Fzeroduw via Arctic Radio Club)

## When DRAKE was the brand for SWL and HAM RADIO



The **R. L. Drake Company** is a manufacturer of [electronic communications](#) equipment located in [Springboro, Ohio](#). It is also known for

its line of equipment for [amateur radio](#) and [shortwave listening](#), built in the 1950s through the 1980s. The company operates as a separate entity owned by Blonder Tongue Laboratories, Inc.

(Franck Fzeroduw via Arctic Radio Club)



## Strange and scarce radio receiver from South Africa



The Barlow Wadley XCR 30 receiver is an exceptional device for its design and performance, it bears the name of the factory that produced it, the Barlow Television Company, but also the name of the engineer Dr Trevor Lloyd Wadley who designed the ingenious system which equips this receiver.

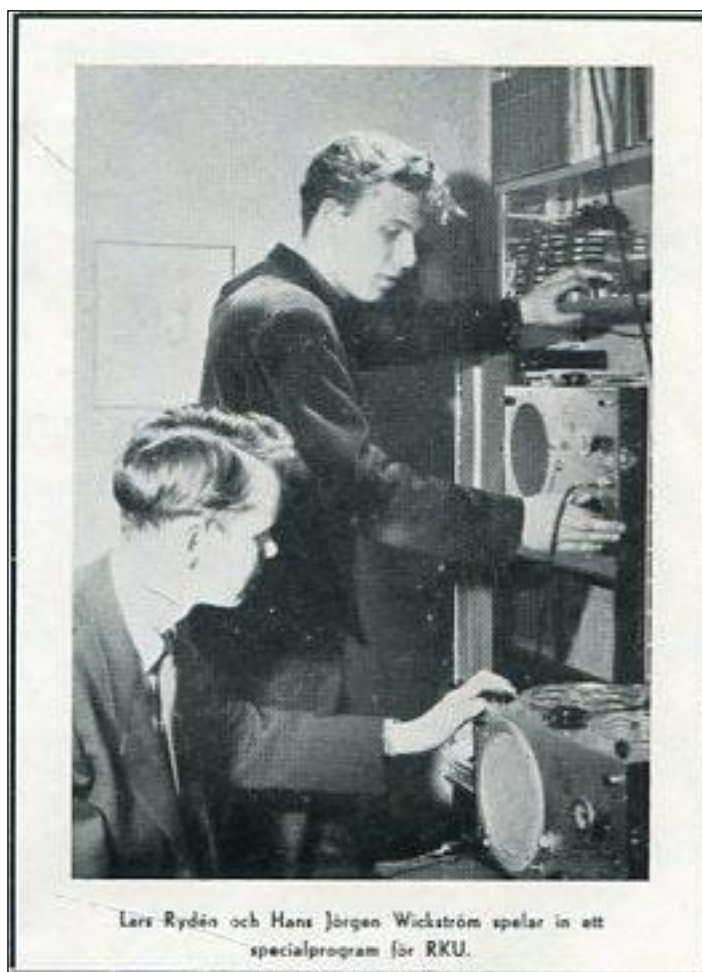
(Franck Fzeroduw via Arctic Radio Club)

## DX nostalgia by RFK

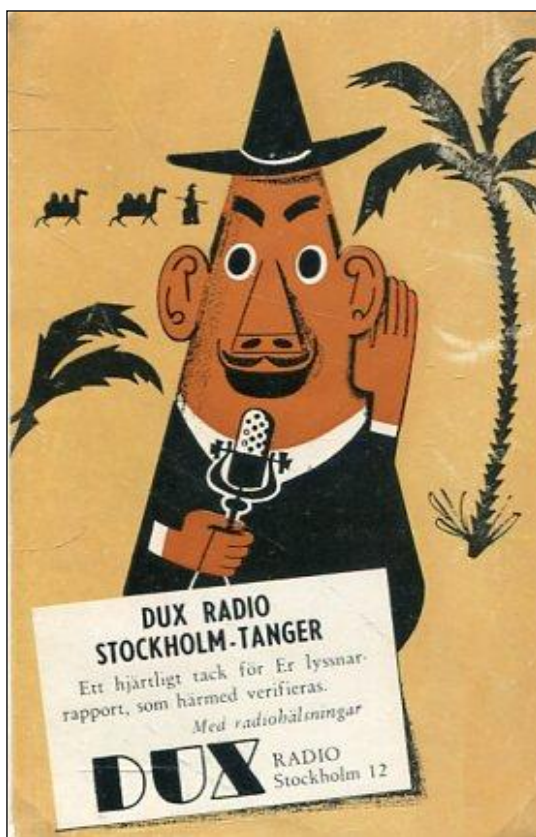
Hello all and welcome to another edition of DX nostalgia! One might wonder what tomorrow's DX nostalgia will be like. Will there still be an interest in old QSL cards, letters from radio stations, pennants, radio related memorabilia and so on? Or will the interest in physical artefacts from broadcasting stations all over the world vanish just because nobody sends out QSLs by ordinary post anymore? Will there be any DX-ers at all? Compared to the 1950s-80s the number of DX-ers have surely diminished quite a lot. We have seen many hobby stations popping up on both MW and SW. Maybe some people think this is a more fun form of the radio hobby than being a ham? They naturally have an interest in hearing how their signal is coming through and how far they can be heard. But in today's highly digitized world the natural form of communication is email, social media and various chat forums. I suppose that's what they call development....

Many broadcasters have started their career as DX-ers. While it was quite common for DX clubs to record special programmes to be transmitted by international stations some went further and made a living out of radio. Producing radio programmes became a fun part of the DX hobby and surely it was a something very special to hear your own programme from a distant radio station, maybe on the other side of the world. True, some programmes were quite amateurish while others held a surprisingly good standard. After all, the DX hobby has given us a great perspective of what radio may sound like.

The two gentlemen below, Lars Rydén LR and Hans Jörgen Wickström HJW, appeared on the cover of the club magazine Etersvep of the Radio Club Universal in 1955. They are here seen recording a programme to be transmitted over Belgian ORU. The programme presented Swedish jazz music.



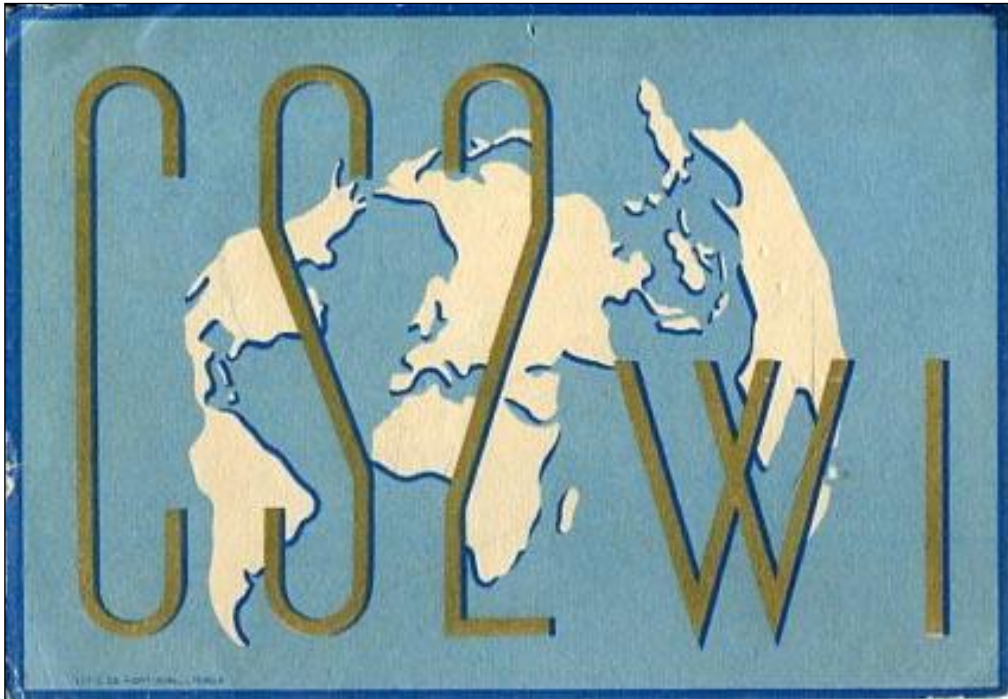
Naturally all the programmes compiled by enthusiasts of various DX clubs were made just for the fun of it. But at about the same time that Messrs Rydén and Wickström presented Swedish jazz music on the air from Belgium a Swedish company, Dux Radio, was doing exactly the same thing over a station in the then international zone of Tangier. This venture was commercial and run by a Swedish radio manufacturer. The QSL card is from the collection of Bengt Dalhammar BD.



Another venture in broadcasting commercial programmes to Sweden from Tangier was the Intercontinental Radio Company IRCO. The station was reported by the SCDX testing on 12005 kHz in March 1956. Behind this venture was the Swedish Philips company and the QSL card was signed by Philips managing director Herbert Kastengren. From the collection of Bengt Dalhammar.



Many broadcasting stations have started in the form of radio clubs. This was very common in Portugal and its colonies. Bengt Ericson BE received this QSL card from Radio Club Português in 1953. It was heard on 12865 kHz and the transmitter power was a modest 250 watts.



Finally this time let's have a look at a nice 1952 QSL card from ORU in Belgium and the collection of Bengt Ericson BE. As usual you are always welcome to contribute to DX nostalgia, like QSL cards, clippings, letters, memorabilia – anything that's related to DX nostalgia. If you have a short story to go with the QSL it's even better. Please mail me at [info@rock.x.se](mailto:info@rock.x.se). Take care and stay safe. 73 & GOOD DX!

