

SHORTWAVE BULLETIN

Issue no. 1991, Dec 12, 2021

Deadline e-mail next issue: 0800 UTC, Dec 26, 2021

This week the DX community got very sad news when Nicholas Hardyman announced that WRTH 2022 will be the final edition produced and published by WRTH Publications.

Several in the DX-forums have asked if there ever will be an alternative for this excellent publication.

I found an interesting page about O. Lund Johansen, the founder of WRTH. He played an important role in Danish radio and magazines.

In this issue also a copy from DXLC of an interesting article by Jarle Synnevåg about his experiences to hear Radio Afghanistan in 1966/67.

As usual a very interesting DX-Nostalgia column with interesting QSL's.

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

Keep on

=====

R e d a k t i o n :

Thomas Nilsson

E-mail:

thomas.nilsson@ektv.nu

SWB-info

SWB on HCDX:

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

Dateline Bogotá 1993-1998:

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

SWB latest issue/archive:

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

QSL, comments, etc.

GLENN HAUSER LOG ROUNDUPS

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

The latest ones direct: https://www.w4uvh.net/ghlogs_2021_1202_1208.txt
(73, Glenn Hauser)

Manuel Méndez, Lugo, Spain: **5955, Sunlite Radio**, Westdorpe, received email with letter and eQSL in 3 days. Reception report sent to: qsl@sunlite.nl

Here is the text and a pdf compressed file, with the eQSL:

"Hello shortwave-listener,

Thank you very much for your reception report to our brand new radiostation Sunlite. Please find attached your Sunlite E-QSL letter.

Since the start of the shortwave broadcasts on December 4th at 14.00 hours UTC on 5955 khz, we've received hundreds of reception reports. Unfortunately due to a lack of time at this stage I'm not able to answer everyone personally, but in this email I hope to answer most of the questions I got over the past few days from the DX-community.

Sunlite is broadcasting at this stage with 75 watts carrierpower using a borrowed transmitter manufactured in Greece on 5955 khz from our TX-site in the village of Overslag near the Belgian town of Zelzate. Overslag is part of a small area called Westdorpe and that's why sometimes you'll read Overslag and another time Westdorpe but it's all the same. The tower is 100 metres high but the inverted V-antenna has been mounted on a height of 30 meters and consists of a Teflon 1:1 RF choke.

Before Christmas the transmitter will come on air that currently is being specially manufactured for Sunlite by our Dutch transmitter-engineer Johnny Tax. Also for us it appeared to a problem to get transmitter components delivered in time. But all the components are now in our possession and our eventual very own Sunlite-transmitter will be ready for use in a week or 2. The TX-power will then increase to 400 watts carrier.

Sunlite is part of RadioCorp; a Dutch mediacompany based in Naarden in the Netherlands. Older DX-ers may like to know that the premises of Sunlite is the same as the headquarters as offshore radiostation Radio Northsea International in the early 1970's, the so called "Hofstede" in Naarden-Bussum, just outside Amsterdam.

Some listeners mentioned that they miss DJ's. However, Sunlite is primarily aimed at a domestic audience in the Netherlands and can be heard all over the Netherlands on DAB+ and online. Sunlite is a nonstop softpop musicstation without DJ's but if there would have been DJ's these DJ's would present in Dutch. Also, in the event you'd love to hear Dutch DJ's talking in Dutch, feel free to tune in online to one of our other radiostations 100% NL (www.100p.nl) or SLAM! (www.slam.nl) and we'd be very happy to serve you there.

*I hope you'll continue to enjoy Sunlite on 5955 khz.
73's, Herbert Visser, Sunlite Radio"*

2749u	Dec8	0043	VCO Sydney NS wx information and warnings (Wilkner)
3310	Nov27	0140	Radio Mosoj Chaski, Cotapachi, Quechua, comments. (Mendéz)
3310	Dec7	2355	Radio Mosoj Chaski, Cochabamba yl and om in Quechua, weak signal (Wilkner)
3320	Nov26	1820	PBS, Pyongyang Korean ann, orchestra music // 6400 (AP-DNK)
3325	Nov26	1805	Voice of Indonesia, Palangkaraya German talk, Indonesian songs, QRM Russian talk, // Cimanggis 4750 (AP-DNK)
3330u	Dec7	2320	CHU time, strong signal (Wilkner)
3910	Dec7	2247	Voice Of The People. Kor to KRE, tks, mx & songs. Jammer almost inaudible. (CG)
3915	Dec8	2236	BBC, Kranji relay. WS in E to SEAs, tks on Russian (t) affairs. 35331 (CG)
3945	Dec3	2234	R.Echo Of Unification (cland.), Chongjin. Kor to KOR, songs, tks. 35433 (CG)
3950	Dec5	1520	Xinjiang PBS, Urumqi. Chines //5060 & 5960 (QRM Romania 5955) (AP-DNK)
3955	Dec5	1525	R Veronica (?), via Channel 292, Rohrbach English radio news from Holland (AP-DNK)
3955	Dec2	2245	Channel 292, Rohrdorf. E, rlg. propag., songs. 35443 (CG)
3975	Dec5	1155	Shortwave Radio, Winsen German/English ann, English pop songs (AP-DNK)
3980	Dec7	2249	R.Echo of Hope. Kor to KRE, tks. Jammer w/ vy. weal signal. 34443 (CG)
3985	Dec5	1535	Shortwave Service, Kall-Krekel Spanish ann, pop songs QRM CNR2 (AP-DNK)
3985	Nov29	1913	R.Bielorussia via Shortwave Sce., Kall-Krekell. G, nx. 35332 (CG)
3990	Dec5	1545	Xinjiang PBS, Urumqi Uighur interview // 4980 and 6120 (AP-DNK)
3990	Dec9	2340	Xinjiang PBS. Uighur, interview. 35343 (CG)
3995	Dec5	1550	HCJB, Weenermoor German hymns (AP-DNK)
3995	Nov30	2220	HCJB, Weenermoor. G, songs. 35332 (CG)
4010.2	Nov24	1655	Kyrgyz Radio, Bishkek, Kyrgyz, comments, (Mendéz)
4010.24	Dec5	1555	Birinchi R, Krasnaya Rechka Kyrgyz conversation (AP-DNK)
4450	Nov30	2224	Voice Of The People (cland.), Goyang. Kor to KRE, tks. QRM de jammer + uty. (CG)
4750	Nov27	*1513-	Bangladesh Betar, Shavar, IS, 1515 Hindi opening ann, local flute, talk (AP-DNK)
4750	Dec2	1835	Bangladesh Betar, Shavar. E, tks, pops. 35332 (CG)
4765	Dec6	0447	Radio Progreso, Bejucucal, Cuban and other Latin American songs, id. "Radio Progreso les ha ofrecido su programación del día de hoy...", anthem and close. (Mendéz)
4765	Dec5	1746	Tajik Radio, Dushanbe, Tajik, comments, female, male. (Mendéz)
4775.1	Dec7	2253	R.Tarma, Tarma. Cast, songs, short prayer, ID & fqs. ann., Antena Deportiva. 35433 (CG)
4790	Dec1	1932	WBCQ, Monticello ME. E, rlg. propag. Still weak; rtd. 35342 at 2215. 15341 (CG)
4800	Nov27	1520	Voice of China, Golmud Chinese talk, piano music noise QRM (AP-DNK)
4820	Nov27	1525	Xizang PBS, Baiding, Tibet Chinese songs (AP-DNK)
4850	Dec3	1435	Xinjiang PBS, Urumqi Kazakh talk, ID, music, children's talk // 6015 (AP-DNK)
4875.	Dec8	0000	Rdif Roraima, Boa Vista RR weak signal, thanks Mark Coady log. (Wilkner)
4880	26.11	1810	Echo of Hope, via Taereung, South Korea Korean talk (AP-DNK)
4885	Dec1	2226	R.Echo of Hope (cland.), Nowong-gu. Kor to KRE, tks. Jammed. 24331 (CG)
4885	Dec6	0510	Radio Clube do Pará, Belém, relaying Radio Bandeirantes news. (Mendéz)
4885	Dec6	2142	R.Club do Pará, Belém PA. F/ball px. QRM de KOR + KRE jammer. 34432 (CG)
4885	Dec8	0000	Radio Clube do Pará, Belém, PA variety of music, strong signal, (Wilkner)
4905	Dec5	1620	PSB Xizang, Lhasa, Tibet, English, "Holy Tibet", Tibetan songs. // 7385. (Mendéz)
4925	Dec8	2234	R.Educação Rural, Tefé AM. Tks, most probably the natl. nx magazine A Voz do Brasil. 15431 (CG)
4930	Nov26	1815	VOA Studio 7, Moepeng Hill Shona/Ndebele, best in LSB due to noise QRM (AP-DNK)
4940	Nov27	0503	Fuerza de Paz, religious comments. (Mendéz)
4940	Dec3	1430	Voice of Taiwan Strait, Fuzhou Chinese conversation (AP-DNK)
4940	Dec1	0940	noted this on 4940 kHz. 0940-0945: Test tone (// 4900). 0945-0955: Open carrier (// 4900) 0955: Start of IS (// 4900) 0956: Not // 1000: Time pips; intro ID, including "This is the Voice of Taiwan Strait News Radio." So they indeed have the same ID as I formerly heard back in 2012. Will be interesting to know just how often this ID is being used? (Ron Howard, California)
4950	Dec5	1701	AIR, Kashmir, Hindi songs and comments. (Mendéz)
4950	Dec3	1410	AIR Srinagar, vernacular ann, music. (AP-DNK)
4950	Dec4	1705	R.Kashmir, Srinagar. Tks. Weak audio. 25331 (CG)
4965	Dec5	1812	Voice of Hope Africa, Lusaka, English, DX program "Wavescan". (Mendéz)
4965	Dec9	1855	Voice Of Hope, Makeni Ranch. Mx, tks. 15341 (CG)

5025	Dec6	0800	Radio Rebelde, Bauta, news, "...Estan fueran las noticias de Cuba y el mundo", program "A Esta Hora".. (Mendéz)
5035	Nov30		Radio Educação Rural de Coari is on to Rural area in state Amazonas Brazil. "Estamos no ar com seu programa Alô Alô Coari 📻 transmitido pela Nova Coari FM e retransmitido pela Rádio Educação Rural de Coari" (via Keyla Tananta) https://www.facebook.com/keyla.tananta.1 89.5 FM website: https://www.novacoarifm.com/ Facebook: https://www.facebook.com/RADIO-NOVA-COARI-FM-106198141283649/ E-mail: contato@novacoarifm.com (Daniel wylyans, Nova Xavantina / MT Brazil via HCDX)
5040	Dec10	0732	5040, 6000, 6060, 6100, 9700, at 0732 check, no RHC English or Spanish signals to be found on any band; while sometimes one or two remain on post 0700. Something's always wrong at RHC (Glenn Hauser, OK, WOR)
5860	Nov28	0507	Radio Farda, Kuwait, Persian songs and comments. (Mendéz)
5895	Dec6	0804	Radio Northern Star, Bergen, pop songs in English, country music. (Mendéz)
5905	Dec6	0610	Deutscher Wetterdienst, Pinneberg German, weather report. // 6180. (Mendéz)
5915	Dec5	1818	Zambia NBC, Radio 1, Lusaka, African songs, Vernacular comments. (Mendéz)
5920	Dec2	*0753-	back to alternate frequency of 5920, Voice of Freedom (ex: 6045). *0753+ UT, Dec 2. *0753 - Sign on; gong rung three times; Voice of Freedom ID; Republic of Korea choral National Anthem; VOF FM frequency announcement; VOF singing station jingle; 0500 PM KST announcement; 0800, program "Hamkke tteonaneun eum-ag-yeohaeng" (Let's go music together). Later - 0915, program "Ma-eum-e swimpyo" (Resting heart); 0920, program "Kkumkkuneun cheongchunggeug" (Dreaming youth drama); fair with no jamming of any kind. (Ron Howard, California)
5930	Dec6	0826	World Music Radio, Bramming, pop songs, Brazilian and Spanish Latin American songs, id. "World Music Radio WMR". (Mendéz)
5930	Dec4	0945	World Music R, Bramming English ID, pop songs // 927 MW Hvidovre (AP-DNK)
5930	Dec8	0610	World Music Radio, Denmark, usual nice music, fair fading (Bernardini)
5939	Dec6	0705	Voz Missionaria, Camboriú, religious songs and comments. (Mendéz)
5939.1	Dec3	2301	R.Voz Missionária, Camboriú SC. Songs. Adj. QRM. 24341 (CG)
5939.07	Dec8	2245	Voz Missionaria, Camboriu, Brazil, talks PP, weak (Bernardini)
5950	Dec8	2300	WRMI, USA, id, songs, English, fair (Bernardini)
5955	Dec6	0708	Sunlite Radio, Westdorpe, id. "Sunlite, Sunlite", "Sunlite, music you love", (Mendéz)
5955	Dec5	1010	Sunlite, Westdorpe. Dutch pop songs, 1030 ID: "Sunlite". <u>New station</u> testing with 75 watts, by Christmas with 400 watts. (AP-DNK)
5955	Dec5	2206	R.Sunlite, Westdorpe. Songs, IDs. Site info. via PlayDX, Italy. 35443 (CG)
5955	Dec5	1150	Radio Sunlite, new licensed station in the Netherlands, non stop songs, ids, weak (Bernardini)
5970	Dec4	0940	R 208, Hvidovre. English and Danish ID, ann, pop songs // 1440 MW Ishøj (AP-DNK)
5980	Dec5	*1200	OZ-Viola, Hillerød, via groundwave. Danish/English ID. Back from 6055 (AP-DNK)
5980	Dec4	0705	Scandinavian Weekend R, Virrat. Finnish talk, // very weak 11690 (AP-DNK)
5980	Dec8	2252	OZ Viola, Hilleroed, Netherlands, songs, fair off at 2304 (Bernardini)
5985	Dec3	2303	Myanma R (p), Yegu. Bamar (t), chanting. 35432 (CG)
5985	Dec8	2305	Myanma Radio, Yegu, talks Burmese, fair (Bernardini)
5995	Nov28	1634	R.Echo of Hope (cland.), Gyengi-do. Kor to KRE, tks. 25432 (CG)
5995	Dec10	2233	R.Mali, Kati. F, reg. nx. 45433 (CG)
6010	Nov28	0737	Radio Inconfidencia, Belo Horizonte, Brazilian songs. Very weak. (Mendéz)
6020	Dec5	0705	Radio Delta International, Elburg, English, id. "Radio Delta International", "Delta Radio", comments, program "The Finish Hour", pop songs. (Mendéz)
6035	Dec4	1222	Hi Glenn, Thanks so very much to Ralph Perry, for pointing out something interesting was going on with 6035 kHz.!! Dec 4, heard 1222-1300 UT: Tuned into announcers and songs in Chinese . 1300: Multi-language IDs (" Yunnan Radio International "). 1300-1330: Announcers and songs in Vietnamese . 1330-1400: IDs and into non-stop IS of long playing musical loop (not Chinese melodies, but the likes of melody "Bridge Over Troubled Water," etc.). 1400: open carrier/dead air still heard till tuned out 1405. Ron Howard, California)
6050	Nov27	0705	ELWA Radio, Monrovia, religious songs, English. (Mendéz)
6050	Dec6	0925	HCJB, Pichincha, Ecuadorian music, anthem, Quechua, comments. (Mendéz)
6055	Nov28	0803	Radio Nikkei 1, Chiba-Nagara, Japanese, comments. (Mendéz)

6055	28.11	*1200-	OZ-Viola, Hillerød via groundwave on <u>new frequency, ex 5980</u> music and opening ann in English (AP-DNK)
6055	5.12	-1200*	Evangelische Missions-Gemeinden, Marienheide German religious talk quoting Paulus (AP-DNK)
6065	Nov26	1835	Voice of Hope Africa, Lusaka, English, religious, id. "Voice of Hope". (Mendéz)
6070	Dec6	0550	CFRX, Toronto, English, news, comments. (Mendéz)
6090	Dec6	0503	Voice of Amhara State, Addis Ababa, Vernacular, comments. (Mendéz)
6115	Dec6	0725	Radio Nikkei 2, Chiba-Nagara, pop songs. (Mendéz)
6150	Nov27	*0758-	Europa 24, Datteln, pop songs, identification in English, "This is Europa 24, our email address radioeuropa24@gmx.de ...". (Mendéz)
6150	Nov28	0732	Radio Onda, Borculo, songs, id. in French "Ici Radio Onda". (Mendéz)
6150	Dec6	0440	Radio Saturno, Belo Horizonte, pop songs. (Mendéz)
6185	Nov28	*0800-	Radio Classic Sunday via Radio Piepzender, Zwolle, songs, id. "Radio Classic Sunday", comments in Dutch and English, also identification in Spanish "Escuche Radio Clásica, los domingos...". (Mendéz)
6185	Dec6	0447	Radio Educación, Ciudad de México, comments, music, songs. (Mendéz)
6230	Dec5	1626	Sound Of Hope R Int'l, unk. site. Mand to CHN, tks, mx. Meas. 6229.985. 25331 (CG)
6250	Dec1	2230	R.Echo of Hope (cland.), Hwaseong. Kor to KRE, tks. Jammed. 34342 (CG)
6348	Dec1	1920	R.Echo of Hope (cland.), Hwaseong. Kor to KRE, tks. // 6250, 4885. 25341 (CG)
6370.1	Dec5	1604	Sound Of Hope R Int'l, unk. site. Mand to CHN, tks. 25341 (CG)
6520	Dec5	1607	Voice Of The People (cland.), Goyang. Kor to KRE. Jammed. // 6600 worse. 24431 (CG)
6600	Nov27	2301	Voice Of The People (cland.), Goyang. Kor to KRE, anns., nx (p). Adj. uty. QRM. 34342 (CG)
6865.1	Dec3	2238	Sound Of Hope R Int'l, unk. site. Mand to CHN, tks. 25332 (CG)
6970.1	Dec3	2240	Sound Of Hope R Int'l, unk. site. Mand to CHN, tks. 15341 (CG)
7110-L	Nov30	1100+	in Spanish and playing LA music/singing. Seems 7110-LSB is becoming regular around 1100+. Heard today 1117+ UT. My audio from today is attached. Glenn - Regarding Mauno's heard "YY" - online I find it is a prefix ("YV YW-YY Venezuela"). Afraid I am unfamiliar with ham nomenclatures. (https://rsgb.org/main/operating/licensing-novs-visitors/international-prefixes/). It certainly has the feel of a real broadcasting station. (Ron Howard, California) ----- Listening to the clip a few times: Seems to be run by HI3V but not positive of the number, such as at 0:33, 1:58. QRZ.com lookup: HI3V Dominican Republic flag Dominican Republic, Ramon arturo Perez Saad CALLE. JARABACOA # 29A VILLA CAROLINA LA VEGA AV. MONSEñOR PANAL # 28 LA VEGA 174-4100, Dominican Republic. Contact heard is definitely YV5AW, Ismael: YV5AW Venezuela flag Venezuela Ismael Antonio Conde Regardi El Hatillo Caracas, Caracas el Hatillo, Z 1083 Venezuela. This net is Cafetero Mañanero No. 153, 1 de diciembre. Gives timecheck as 7:12 in Venezuela, DR, PR; 6:12 in Cuba, Colombia. (Glenn Hauser via WOR)
7110	Dec6	0500	Radio Ethiopia, Vernacular, comments. (Mendéz)
7205	Dec5	1603	Radio Sudan, Al Aitahab, Arabic, comments, at 1630 French, id. "La Radio Nationale de Sudan", "La Voix de L'Afrique", news and comments in French, at 1730 English, "The Voice of Africa from Radio Sudan, the forum of all Africans". (Mendéz)
7385	Nov24	1610	PSB Xizang, Lhasa, English, news, comments, program "Holy Tibet". (Mendéz)
7390	Dec5	*1259-	R.NZ Pacific, Rangitaiki. E, IS, nx. Improving, rtd. 35443 at 1500. 15341 (CG)
7390	5/12	1730	Radio New Zealand Pacific, EE reports & talks, fair good (Bernardini)
7425	5.12	1540	China Business R, Xianyang. Chinese conversation // 3985 (AP-DNK)
7810.1	Dec3	2242	Sound Of Hope R Int'l, unk. site. Mand to CHN, tks. 15341 (CG)
9100	Dec6	2214	R.Echo of Hope (cland.), Hwaseong. Kor to KRE, tks. Adj. uty. QRM. 24341 (CG)
9260	Dec10	2235	Sound Of Hope R Int'l (p), unk. site. Mand (to CHN?), tks. 15431 (CG)
9420	Dec8	0639	Voice of Greece, Avlis, Greek talks, very good (Bernardini)
9535	Dec8	0645	Radio Ndarason Int., via UK, talks in Kanuri, fair, bad propagation, fading (Bernardini)
9550	Dec5	2036	Radio Boa Vontade, Porto Alegre, religious comments. (Mendéz)
9635	Dec5	1123	R.Mali, Kati. F, tradit. songs, tks. 35342 (CG)
9666.2	Dec6	0945	Voz Missionaria, Camboriú, religious songs. (Mendéz)
9666.3	Dec2	2258	R.Voz Missionária, Camboriú SC. Natl. nx magazine A Voz do Brasil till 2259, postal & e-mail addr. ann., rlg. propag. 35433 (CG)
9819.1	Nov26	2005	Radio 9 de Julho, Sao Paulo, religious comments. Very weak. (Mendéz)
9819.3	Dec8	2232	R. 9 de Julho, São Paulo SP. Tks, probably px Desporto 9. 15431 (CG)
9835	Nov27	0940	Sarawak FM, Kajang, Malaysian comments, songs. (Mendéz)

9835	Dec7	1014	<p>Sarawak FM, via Kajang (on the west coast of the Malaysia peninsula - not from Sarawak). Had been off the air for several days, but Dec 7 came back with a better than usual signal (1014+ UT). Call-to-prayer times for Kuching: Fajr 05:18 AM (2118 UT) - the dawn prayer Dhuhr 12:34 PM (0434 UT) - early afternoon prayer Asr 15:57 PM (0757 UT) - late afternoon prayer Maghrib 18:33 PM (1033 UT) - the sunset prayer [1033-1036, heard Dec 7] Isha'a 19:48 PM (1148 UT) - the night prayer https://www.muslimpro.com/en/Prayer-times-Kuching-Malaysia-1735634 . (Ron Howard, California)</p>
9900V	Dec1	2108	<p>R. Cairo S8-S9 into UTwente, but the worst sound yet! Extremely distorted talk, language unknown. Synch mode driven crazy, trying to lock onto, but rapidly going in and out of lock with exact frequencies flashing too quickly to copy, but some of them about 9899.742, 9899.867 and occasionally on plus side like 9900.027. 2113 adding random tones to mix, not sure if transmitted or messing up the SDR. Mis-time signal at 2115:43; and I comprehend nothing but ``31 meter band`` in sign-on; 2128 checking direct I find only a JBA signal on about 9899.58. Something`s still egregious in Egypt (Glenn Hauser, OK, WOR)</p>
10000	Dec4	1611	<p>via remote in Brasil, good S8, time tix every second but no IDs in voice or any other mode, and no time announcements either. But it`s LOL, tnx to tip from Horacio Nigro in Uruguay to the WOR iog. LOL, Buenos Aires, is temporarily on extended schedule due to the imminent total solar eclipse over Antarctica. Maybe for propagation research rather than timing. It had been limited to M-F 14-15 UT only, and the 2 kW equipment had just been refurbished for this. I cannot even be sure of any markers on the minute, except the background tone goes off leaving tix only at 1613, tone resuming at 1615, etc, maybe at tops of minute but hard to be sure via SDR. Not even trying to hear it direct vs WWV but no QRM to it down there. Will it be more regular or more than one hour a day henceforth? (Glenn Hauser, OK, WOR)</p>
10000	Dec4		<p>LOL: Horacio Nigro, who tipped us about the expanded eclipse schedule on Dec 4, has this extensive story about the history of LOL and latest developments; in Spanish: https://lagalenadelsur.wordpress.com/2021/12/04/argentina-lol-observatorio-naval-la-estacion-horaria-y-de-frecuencia-patron-estandar/ (Glenn Hauser, OK, WOR)</p>
11530	Dec8	0650	Dengê Welat, via Grigoriopol, talks Kurdish, fair, jammed by Turkey (Bernardini)
11690	Dec4	0920	Scandinavian Weekend Radio, Virrat, Finnish, comments, pop and rock songs. At 1000 eclipsed by KSDA, AWR on the same frequency. (Méndez)
11725	Dec5	-1258*	R.NZ Pacific, Rangitaiki. E, tks, songs, fq. change ann., IS. 45433 (CG)
11780	Dec5	2101	Radio Nacional da Amazonia, Brasilia, soccer, live matches. (Méndez)
11815	Dec6	0848	Radio Brasil Central, Goiania, Brazilian songs. "No coração do Brasil, Radio Brasil Central, comunicando para o mundo", "Brasil Sertanejo...", at 0956 "Comence agora, Conexão Goaias". (Méndez)
11815	Dec6	2211	R.Brasil Central, Goiânia GO. Songs. 25421 (CG)
15190	Dec6	0857	Radio Inconfidencia, Belo Horizonte, Brazilian songs, comments. (Méndez)
15190.1	Nov28	1630	R.Inconfidência, Belo Horizonte MG. Songs. 15341 (CG)
15430.61	Dec8	0627	China Radio Int., Kashi, EE service, good, drifting bad modulation (Bernardini)
15475.98	Dec4		<p>-RCUSB -- regarding the surprise showup of LRA36 on Saturday December 4, Manuel Méndez, who monitors it closely directly into Spain, writes me (in my translation): I was surprised to find it on the air so late in the season, since I believed they would have finished for this year. In fact, they have not replied via Whatsapp since about September 20 and left a pile of reception reports unanswered, despite having said they would be sending QSLs. So this year`s crew left a lot to be desired in listener contact, nor did they produce a farewell program. I think that what happened last Saturday was a somewhat bored operator, who decided to turn it on and put out a pre-recorded program. I heard it for only 10 minutes, closing at 1555. We`ll have to be attentive on Wednesday, since I imagine this far into December they will be packing their bags to return to Argentine mainland. We hope that next year the four women taking over the station will be more dedicated to their work. Cordial greetings, Manuel Mendez`` (Glenn Hauser, OK, WOR)</p>

Pirate Stations

3900	Dec5	1721	R.Batavia - pir. Pops, tks. Country & stn ID via DX press. 15331 (CG)
3920	Dec3	1837	Mike R - pir. E, pops, tks, light songs. 35443 (CG)
3920	Nov26	-1905*	Mike R, Heerde, pop songs, ID: "Mike, Mike, Mike Radio". New frequency ex 3940, because a Russian pirate (R Buchanaforum ?) had taken over 3940 playing English pop songs (AP-DNK)
3920	Dec5	1727	R.Sluwe Vos - pir. Pops. Country & stn ID via DX press. 25342 (CG)
3940	Dec4	1931	R.Free Waves Bay - pir. Ru, tks. 35342 (CG)
4875	Dec10	2231	Mystery R 21 - pir. Pops. 35443 (CG)
5140	Dec1	2228	Charleston R Int'l. - pir. Oldies. 35332 (CG)
5780	Dec1	1924	R.Harmony - pir. Mx & songs. 35342 (CG)
6020	Nov28	*0600-	Radio Monique via Radio Delta, Elburg, id. "Radio Monique", Dutch. (Mendéz)
6210	Dec5	1624	R.King Short Wave (t) - pir. Pops. T-ID via DX press. 25331 (CG)
6260	Nov28	1746	R.Parade Int'l. - pir. Songs. Country & stn ID via DX press. 15341 (CG)
6265	Dec5	1505	Ros AM - pir. Pops. Country & stn ID via DX press. 35332 (CG)
6275	Dec4	2219	R.Provokator (t) - pir. Pop oldies. T-ID via DX press. 35443 (CG)
6285	Dec5	1545	R.Batavia - pir. Du, pop oldies, sung IDs, mx oldies. 25342 (CG)
6290	Dec5	1507	R.Batavia - pir. Pops. Country & stn ID via DX press. 25331 (CG)
6295	Dec5	1539	Reflections Europe - pir. E, rlg. propag. pxs. Improving. // 12255 weaker. 25342 (CG)
6335	Dec5	1509	R. 319 - pir. Du, tks, pop oldies. Improving, rtd. 35433 at 1630. 35332 (CG)
6378	Dec4	2221.	Ros AM (t) - pir. Pop oldies. 35443 (CG)
6378	Dec5	-1517*	R.Joey - pir. Pops. Country & stn ID via DX press. 25331 (CG)
6378	Dec5	-1718*	TRX R - pir. Songs. ID via DX press. 35433 (CG)
6985	Dec5	1503	R.The Vault - pir. Pops. 35332 (CG)
12255	Dec5	1541	Reflections Europe - pir. E, rlg. propag. pxs. // 6295 weak. 25331 (CG)

Contributors to the log:

wb, Wolfgang Büschel, df5sx, wwdxc BC-DX TopNews, DXLD, DXPlorer, A-DX Glenn Hauser, Enid, OK, USA (also from WOR/DXLD) (AP-DNK), Anker Petersen Skovlunde, Denmark Robert Wilkner, Pompano Beach, South Florida	CG/CGS, Carlos Gonçalves, Lissabon, Portugal Manuel Méndez, Lugo, Spain Ron Howard, Asilomar State Beach, CA, USA, WOR/DXLD Giampiero Bernardini, Milan, Italy
--	---

Don't forget to take a look at Rudolf Grimm's blog here: <https://dxways-br.blogspot.com/>

Station news

BRAZIL. Rádio Educação Rural, from Tefé (Amazonas), is active on SW 4925. I heard it Dec 7 at 0136 UT Tuesday. Only fair reception. I had to listen with headphones for more than 30 minutes until they mentioned Tefé in commercials and programming. In the clip [?], announcer mentions "povo de Tefé". Reception made in the northwest part of the state of Espírito Santo. XHdata receiver with shielded loop antenna.

<https://photos.app.goo.gl/aPHR9QsE62YgdWnm8>

(Célio Romais via Glenn Hauser via WOR)

DOMINICAN REPUBLIC. 7110-LSB, the ham net Ron Howard has been hearing after 11 UT, with clip featured on WOR 2115 --- name of the net is ``Cafecito Mañanero``, not Cafetero as I first thought. ``A little morning coffee``. Searching on that name hits a song <https://www.youtube.com/watch?v=ETmWYOLr16U> but not the one on the net nor are some other hits about the net (Glenn Hauser, OK, WOR)

GERMANY. 77.5 kHz very longwave time signal - extended until 2031 year. (automatic translation into English)

Time signal transmitter DCF77 in operation for another 10 years extended until 2031 year. DCF77 contract with Media Broadcast extended by another 10 years.

Even though today many institutions check their exact time via the internet or Refer to mobile radio, the reliable transmission on the Longitudinal wave 77.5 kHz continues to be justified. From the kitchen clock to the station clock, from the energy supplier to the world clock on the Berliner Alexanderplatz - they all get their exact time from DCF77, the Longitudinal wave transmitter in Mainflingen near Frankfurt, Germany.

Like the Physikalisch-Technische Bundesanstalt in Braunschweig recently announced, the contract with Media Broadcast GmbH for the Transmission of time signals extended until 2031. The reception of the Time information on a highly precise frequency is almost Europe-wide without "wiring" possible with inexpensive receivers.

Media Broadcast GmbH has already announced that it will have one next year to build a second remote controllable high-performance transmitter.

The facility services will then be completely duplicated on site, so that the repeated short-term downtimes can be further reduced can. Also the control devices operated by the PTB on site and the surveillance in Braunschweig is continuously modernized.

< <https://www.vfdb.org/rundspruch.pdf> >

(VFDB broadcast 11/21; via DARC WRS BaWue Nov 28, 2021)

(WORLDWIDE DX CLUB Top News #1488 December 4th, 2021)

Other radio news

[WOR] New Shortwave Radio Show: Postcard Panorama

Greetings, all. I'm producing a new show for shortwave radio, [Postcard Panorama: A Shortwave Radio Conversation](#), and I wanted to share details about upcoming episodes.

Postcard Panorama is a listener mailbag program with a twist. In each episode, we'll read listener stories related to the monthly theme as well as feature topical poetry, noteworthy radio history, and upcoming events.

We'd love to hear your stories about radio, whether it's shortwave radio, medium wave, or FM listening, whether it's local programming or a distant broadcast.

We'll be on the air via WRMI beginning Saturday, 1 January 2022, 7:30 pm ET/ Sunday, 2 January 2022 00:30 UTC on 5950 kHz. January's theme is "In with the New," and we're looking for your stories about how you got into radio, how you're helping others get into radio, or about your radio-related plans for the upcoming year.

Reception reports are welcome, and eQSLs will be available. For more information about the show, including how to submit a story, please see our website: <https://www.postcardpanorama.com/> (Tammy Walker via WOR)

[WOR] Australia's little SW stations

A Look at what's happening on the world of Radio in Australia on what I call, "60 metre band, Broadcasting to the World". By John Wright

We have here in Australia been lucky for around 10 years since the Federal government's decision to open the lower shortwave bands. This has opened the opportunity for listeners around the world to hear such low power stations. So, I put it to you all a question, "have we become the Latin America and or African low power stations from the 70's through the 90's or maybe the Indonesian stations of that era?"

Well, who cares! We did have people like Keith Ashton, Sid Mehri and of the late Craig Allen who ruled the opportunity to put stations on air. These guys pioneered the 400 Watts 1602 to 1701 kHz, and Craig Allen to take this to another level on shortwave.

Lately we have the lower shortwave bands so let's have a look. These stations are a one-man band, and put their own money into this form of the hobby. There are no handouts so the electricity bill is a major killer to the wallet. Sponsorship is hard to come by essentially donations. There is no wage only the satisfaction that someone listening will enjoy their broadcast.

Will start off with the lower end of the band, Station X, Wee Waa NSW well west of Gunnedah (actually they had an air service from Wee Waa then to Gunnedah to Sydney twice a day)! That's was 1990 to early 1993 by oh No! Oxley Airlines Chieftain aircraft. After that no other airline has operated out of Wee Waa. (I was at Oxley Airlines).

Peter Tate is our man, who ran 1692 kHz HotFM on the Gold Coast. This station rated in the Gold Coast ratings but the authorities were upset. So, no more.

These days Peter runs every now and then 2325 kHz also 5025 KHz (rarely), Usually 100 watts or so, ad hoc.

5035 kHz from Manila {sic} NSW. Unique Radio is our member Tim who broadcasts using around 120 watts.

Tim uses a ½ wave inverted V. Generally, Tim broadcasts all sorts of programmes. If you have some feedback email manager@uniqueradio.info Tim loves playing oldies music so why not send Tim an email with a request?

You may find Tim on Wednesday through to local Monday mornings, generally 6pm local time through past midnight on Mondays in USB. I think Tim also has 3230 kHz {sic: it's 3210 -- gh}.

5035 I can just hear in Sydney after 0900 UTC (8pm local). Tim has permission to run through some DX news taken from our magazine, so don't be surprised hearing the Australian Radio DX Club mentioned. Tim welcomes feedback on

his programming in trying to make it interesting as possible. Also, there is a QSL with a card, report to 71 Hilton Ave, Roselands NSW 2196.

5045 kHz, and the latest we believe is that Norfolk Island has been licenced to operate by Nick Hacko, our member 2777. When? Good question as Nick has recently left Sydney for Norfolk Island. So, there will be a host of issues to get the station on air. We wish Nick well!

Island Music Radio 5045 Macleay Island off the coast of Brisbane Queensland, using between 200 and 250 Watts. Shannon looks after the station as far engineering-wise. The aerial seems to favour a westerly direction with good signals at night towards Roma and the western Queensland areas.

Inverted V about 14m in the air. He does have a bigger transmitter but it died after 5 mins of use so trying to sort that out atm.

Island Music also has a FM outlet 88FM. The music is mostly 80's and 90's. It should be noted the operator is a disabled person hence Shannon being of help, and assistance when needed.

The station has really taken off thanks to Shannon the engineer who helps his friend who is disabled who broadcasts the music Islandradio88@gmail.com

5055 Radio 4KZ Innisfail Queensland. Al Kirton, and what more can I say. Usually heard down into NSW from around 0800 UTC with regular programming. Al being a member and a great supporter of the club and of radio. 4KZ has a host of stations in FNQ, (Far north Queensland and the Gulf Country). 1611, 1620 etc...

Now, Al appreciates reports to 4KZ PO Box 1488 Innisfail QLD 4860 Al has QSL cards available.

12 kW 531 kHz Continental Lensa TX left. Run at 8kW day, 2 kW night. Middle of right rack LPB 1kW 5055 TX plus power supply beneath it. Bottom of right rack 1 kW Armstrong 873 kHz TX for 4AY. {caption among other illustrations}

Copyright @ Australian Radio DX Club Inc., Reg A0011728G This article maybe republished provided acknowledgement to the Australian Radio DX Club Inc Nov 26 2021, email dxer1234@gmail.com (Australian DX News, December)

[RealDX] Pacific Asian Log

Hello everyone: The November 2021 edition of the Pacific Asian Log (PAL) is now available. It can be downloaded from the Radioheritage website <https://www.radioheritage.com/> (Go to the "Radio Guides" drop down menu)

Members of the IRCA mailing list in groups.io can also download the PAL from the files page at <https://groups.io/g/IRCA/files/Station%20Lists%20and%20References/PAL%20Nov%202021a.pdf>

As usual, many changes and updates have been incorporated into this latest edition. I've also added a Parallels section listing the frequencies used by various networks throughout the region. It should be helpful for those who check parallel frequencies during their DX sessions.

Comments and updates from users are welcome and encouraged. They can be sent to portzerbt@gmail.com.

First issued in 2001, The PAL lists medium wave and domestic shortwave broadcasting stations in southern and eastern Asia and the Pacific. It lists nearly 5000 stations in over 50 countries, with frequencies, call signs, locations, power, networks, schedules, languages, formats, networks and other information.

(Bruce Portzer via RealDX)

31th edition of the "Broadcasting in Russian" Handbook, published by the St. Petersburg DX Club, has been recently released.

The handbook is the most comprehensive guide to broadcasts in Russian on long, medium and short waves. Its "Air Broadcasting" section features all radio stations transmitting in Russian at present time, both from Russia and abroad, which could be received in Russia and neighbouring countries (totally 43 stations from 28 countries and territories of the world). Station listings include frequency and programme schedules, transmitter location and power, target areas, postal addresses, phone/fax numbers, Web sites, social network pages, e-mail addresses as well as QSL policy info. The schedules are valid mainly until the end of March 2022 (during A21 broadcasting season).

For the first time "Pirate Broadcasting" section is introduced in the current issue of the handbook. The latter features the unlicensed stations which regularly broadcast in Russian within MW and SW broadcast bands.

"Internet Broadcasting" section contains information on Internet broadcasting of 20 stations of 15 countries.

In the historical section the article of Trans World Radio's history is continued.

The Handbook is exclusively in Russian and distributed as a hard copy only. Its volume is 64 pages of A5 size. Please address your purchase requests and questions to St. Petersburg DX Club by e-mail to [dxspb\[at\]nrec.spb.ru](mailto:dxspb[at]nrec.spb.ru).

The price is 6 EUR or 7 USD (including delivery by registered mail) by cash/PayPal/Skrill.

(Alexander Berezkin, Sankt-Petersburg, Russia)

(RUS-DX # 1162)

[WOR] The final World Radio TV Handbook 2022

Bombshell news just in from Nicholas Hardyman, publisher of WRTH that the 2022, just about to come out, will be the final edition, unless possibly a new publisher is found.

It's been THE essential reference. We owe a great deal to Nicholas and the team and wish them all the best.

(Glenn Hauser via WOR)

**** IMPORTANT ANNOUNCEMENT ****

Having produced this book for the past 24 years, we are very sorry to announce that WRTH 2022 will be the final edition of World Radio TV Handbook produced and published by WRTH Publications.

This has been an extremely difficult decision and was only made after a lot of thought and discussion.

We know that many people rely on WRTH and greatly enjoy getting the new edition every year.

We realise that this news will be disappointing for many people.

We wish to thank you all for your loyal support over the years.

Good DX and Happy Listening,

Nicholas Hardyman (WRTH Publisher) and the WRTH Editorial team

WRTH2022 is now available to purchase from our website: www.wrth.com

Please distribute/circulate this information, thank you.

O. Lund Johansen

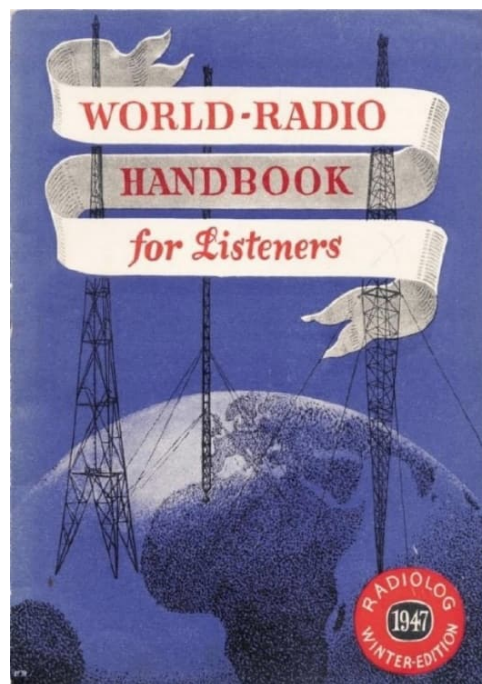
Oluf Lund-Johansen is probably the person who has meant the most to Danish radio literature.



O. Lund-Johansen's greatest success must be said to be the World Radio Handbook, later the World Radio TV Handbook. The first edition came in 1947 and picture above show the summer edition from 1948. All the books were in English, but the first years they were available with title and introduction in Danish, but the content was in English.

The books contained all the information the amateur listener needed, frequencies, transmission effects, and addresses of the radio stations.

From 1965, the editors of the World Radio TV Handbook were taken over by J. M. Frost, but the books were published by Lund-Johansen's publisher for many years thereafter. Today the books are published by WRTH in England.



If you are interested to know what he achieved for development of Danish Radio and radio magazines, please go to this website: http://oz6gh.by-ethost33.com/lund_johansen.htm

The pages are in Danish but as usual Google will produce a good enough translation.

/(TN)

I have the first edition Winter 1947 in my collection. I was told this particular book was used by O. Lund Johansen for preparing the 1948 edition, some illustrations or pages are missing, other loose pages have been added twice.

(vy73, Harald DL1AX via DXplorer)

Dear DX-friends,

I am also very sorry, that the 2022 edition will be the last from the WRTH.

As a Dane living in Copenhagen, I remember my first visit to Jens Frost. At that time he was working for the first WRTH Editor, Ole Lund Johansen, whom I also talked with. After Jens Frost took over as Chief Editor, I often visited his office in Hvidovre. There I later also met British Andrew Sennitt. I also have good relations with British Nicholas Hardyman.

The WRTH still is my preferred "Bible for DX-ers". I have a collection of all printed WRTH's since 1961 in my Radio Room together with a DVD version of the earliest editions.

But our hobby of DX-ing does not stop with the last edition of the WRTH.

In the next years, I will continue to publish free of charge the annual Domestic Broadcasting Survey and the monthly Tropical Bands Monitor, which can be found on www.dswci.org.

(Best 73, Anker Petersen via DXPlorer)

EXPERT ON SHORT-WAVE

By RICHARD F. SHEPARD

SHORTWAVE listening, once a popular pastime in the days before people sought Nirvana in television, is on the rise the world over. At least that is the opinion of O. Lund Johansen, a white-haired Dane who edits one of the world's most complete guides of when and where to tune in on whomever one is interested in hearing.

Mr. Johansen recently visited New York during his first trip to this country. He thinks that television has lost its novelty value and that people are little by little once again listening to what their neighbors have to say in this ever-shrinking world.

The volume he edits has 186 pages, most of them devoted to carrying the schedules of short-wave stations, the language they broadcast in, the times they are heard and other details. Mr. Johansen started publication of the annual World Radio Handbook in 1947 after the hot war and at the start of the cold one.

"All things were disturbed at the time," he said in not too broken English. "I thought we could use broadcasting to collect the world again, to give all exact information that would help people get programs."

Mail

This is done by sending out at least 15,000 pieces of mail to stations, governments and broadcasting agencies each year. The letters ask the authorities for all possible details. The response is generally prompt from both sides of the Iron Curtain, from the young countries as well as the old. Questions are asked in major languages. For instance, a query in Russian to Mongolia (Outer) elicits such details as that Ulan Bator's Radio's chairman of the board is Sodnom-daraja and that the station's announcer identifies it by saying "Ankhararal. Ulanbatras jarsj baina." This may not mean much outside of the yurt country, but the student of the handbook learns that it means "Attention. This is Ulan Bator calling."

The book also describes the

musical identifications that many stations use. All India's Radio's signature "is a melody of eight seconds' duration" using violin, viola, 'cello and tamera. Turkish broadcasts use a few bars from traditional dance or folk tunes. Vatican State radio plays a carillon melody, "Christus Vincit." Warsaw radio signs with the Revolutionary Etude by Chopin.

Value

Although the book's circulation is only 14,500 in the English edition—it is also published in German—Mr. Johansen and his staff of a half-dozen aides have eloquent testimony of its value.

"Many people call it their Bible," he said. "I get letters from Central Africa, the Pacific Islands, from people who say they would be lost without the book. For those who are living far from home, it has been a way for them to learn how to keep in touch.

"I think it is not good to take sides in politics," he said. "What is important is to work for brotherhood in a factual way."

Mr. Johansen has been writing, editing and publishing broadcast periodicals since 1923, when, he said, he put out Europe's first publication on radio, a compilation of technical and program data.

He is now radio-TV writer for a Copenhagen newspaper, the Berlingske Tidning, and edits several other broadcast reviews. The handbook sells here for \$2.50, in coin of the realm, sent to his American agent, Glifer Associates, P. O. Box 239, Grand Central Station, New York 17, N. Y.

The editor's visit to the United States has left him with a good impression of the American people. "They speak their minds more openly than Europeans"—but with a more dazed impression of American TV.

"So many programs are not too good, criminals, wrestling, too many advertisements in the programs, not just at the end. But I've just looked in the night," he said diplomatically. "Perhaps in the afternoon it is better."

Great history there, Anker, tnx for posting. Attached is a clipping from the NY Times, May 31, 1959, when O. Lund Johansen had visited NY. Gilfer's in there too. \$2.50 for the WRTH in those days.

(Jerry Berg via DXPlorer)

Global Radio Guide - Winter 2021-2022 Press Release

17th Edition of the Global Radio Guide (Winter 2021-22) Now Available

On any given day, the People's Republic of China (PRC) fueled by a meteoric rise in the country's economics, politics, the covid pandemic, cybersecurity and human rights issues, Beijing Winter 2022 Olympics, and a strident expansion of the country's military forces dominates global news headlines and news cycles. These headlines include China's recent tensions with Taiwan, which are said to be the worst in forty years, and its other neighbors in the South China Sea region.

As China's influence continues to expand worldwide, so have the country's huge radio broadcast services. Local, regional, and international mediumwave and shortwave networks carry news and programming to audiences around the world. Since these services are government-sponsored you are hearing China's Communist Party's (CCP) perspective of worldwide events as they unfold. Topping the list of the country's media outlets is China Radio International (CRI) the largest and most widely heard station in China.

For those who want to follow all the ongoing storylines originating from the PRC, Gayle Van Horn's 17th Edition of her Amazon bestselling Global Radio Guide (Winter 2021-22) has all the details you need to monitor all the radio services from the Land of the Red Dragon.

Her feature is one of the most comprehensive articles ever written on the Chinese radio broadcast system. Complete schedules for all China radio services, a section of how to ID national stations broadcasting in Chinese, and links to videos with CRI IDs in 45 languages on the author's YouTube channel that are just some of the materials you will find in this all-important cover story in the GRG. This is an indispensable guide to for the radio listener to hear China as tensions in the region continue to heat up.

China's broadcasters are not the only focus of this completely updated edition of the GRG, though. Worldwide, tensions are continuing to

escalate, and - in another case of what is old becoming new - people around the world are once again turning to shortwave radio to place themselves on the front lines.

With the help of the GRG, you can tune in to shortwave broadcast stations from other hotspots such as Cuba, India, Iran, North/South Korea, Taiwan, Hong Kong, and many other countries. If you have a shortwave radio receiver, SDR or Internet connection, pair it with this unique radio resource to know when and where to listen to the world.

This newest edition of the GRG carries on the tradition of those before it with an in-depth, 24-hour station/frequency guide with schedules for selected AM band, longwave, and shortwave radio stations. This unique resource is the only radio publication that lists by-hour schedules that include all language services, frequencies, and world target areas for over 500 stations worldwide. The schedules included in this edition of the GRG are valid from 31 October 2021 until 26 March 2022, the B21 broadcast schedule period.

The GRG includes listings of DX radio programs and Internet website addresses for many of the stations in the book. There are also entries for time and frequency stations as well as some of the more "intriguing" transmissions one can find on the shortwave radio bands.

Gayle has also updated her now-famous SDR Buyer's Guide, a must-have compendium that helps you navigate through the revolutionary world of software-defined radios (SDRs), the new digital frontier of the radio hobby.

Also new in this 17th edition, James Careless, in an article that originally appeared in Radio World, looks at the current state of shortwave receiver technology. Dr. Adrian Peterson of AWR looks back at the early days of Philippine broadcasting. David Harris has written a review of the bhi NES10-2MK4 Noise Cancelling Speaker. Spectrum Monitor columnist Fred Waterer will take you on a guided tour of shortwave music programs from around the world.

There are updated columns including the latest radio news in Bits & Bytes, current radio QSL information and addresses, the Best of the Best DX shortwave program listings, and a listing of radio station Internet websites.

This edition also has introductory articles for beginners on Traveling the World via Shortwave Radio Broadcasts, Monitoring the Shortwave Action Bands, and Teak's latest greatly expanded frequency list of HF non-broadcast radio stations worldwide.

Global Radio listeners are routinely entertained with unique perspectives to events, music, culture, history, and news from other countries that you will not see or hear on your local or national broadcast channels. Global Radio broadcasts are not restricted by country borders or oceans and can travel thousands of miles, reaching millions of listeners worldwide, now in over 300 different languages and dialects.

Whether you monitor shortwave radio broadcasts, amateur radio operators, or aeronautical, maritime, government, or military communications in the HF radio spectrum, this book has the frequencies to help you to hear it all. Teak Publishing's Global Radio Guide "brings the world to you."

You can find this edition of the Global Radio Guide, along with all of Teak Publishing e-book titles currently available for purchase, on the Teak Publishing Web site at <www.teakpublishing.com>

This includes all previous editions of the Global Radio Guide available at reduced sale prices.

The 17th edition of the Global Radio Guide e-Book (electronic book only, "no print edition available") is available worldwide from Amazon and their various international websites at: <<https://www.amazon.com/dp/B09MV5XMFZ>>

The price for this latest edition is US\$8.99 for over 1000 pages of radio hobby content and frequencies. Since this book is being released internationally, Amazon customers in the United Kingdom, Germany, France, Spain, Italy, Japan, India, Canada, Brazil, Mexico, and Australia can order this e-Book from Amazon websites directly servicing these countries. Customers in all other countries can use the regular Amazon.com website to purchase this e-Book.

You can read any Kindle e-Book with Amazon's 'free' reading apps on literally any electronic media platform. You do not have to own a Kindle reader from Amazon to read this e-book. There are Kindle apps available for iOS, Android, Mac, and PC platforms.

You can find additional details on these apps by checking out this link to the Amazon website at Global Radio Guide <https://www.amazon.com/dp/B09MV5XMFZ>

Shortwave Central Blog <<http://mt-shortwave.blogspot.com/>>

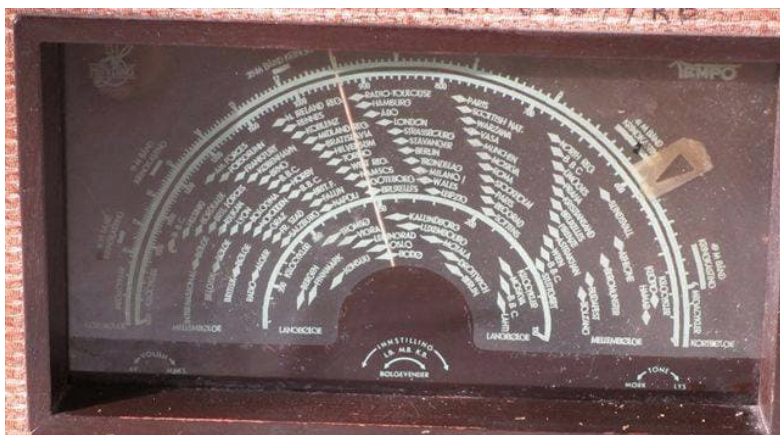
Shortwave Central YouTube Channel <<https://www.youtube.com/c/ShortwaveCentral>>

<<http://www.teakpublishing.com/>>

Teak Publishing Company, P.O.Box 297, Brasstown NC 28902, USA, North America
(Gayle Van Horn W4GVH, Dec 2)
(Via vy73 de Wolfgang DF5SX)

Radio in Afghanistan

Hvor lett eller vanskelig det er å høre Afghanistan i dag og å få landet verifisert vet jeg ikke. I øyeblikket er nok tilstanden noe kaotisk på flere områder, inklusive det som har med både radiostasjoner, kringkasting, ordinær post og email å

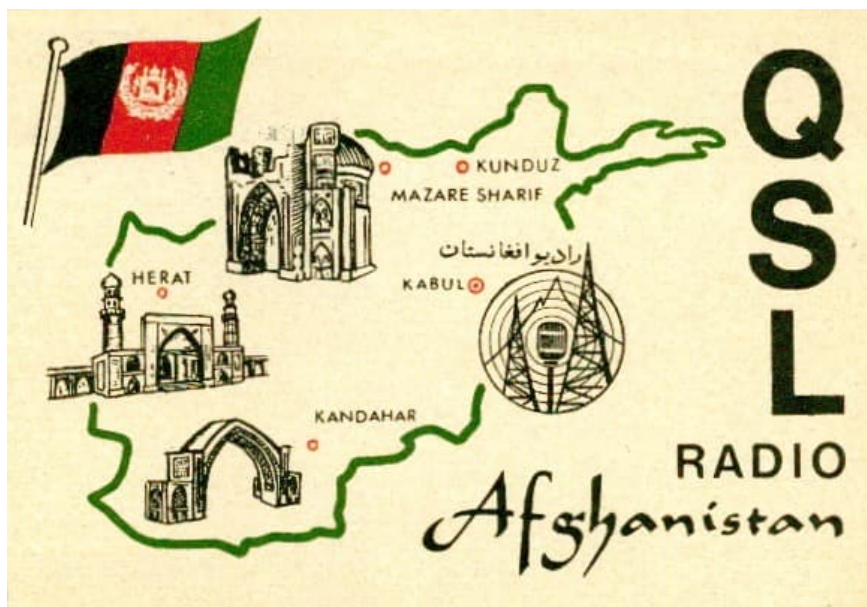


gjøre. Men Afghanistan var faktisk et av de første landene jeg støtte på da jeg begynte med DX-ing i 66-67. På det tidspunkt bodde jeg jo fortsatt hjemme i Nordhordland og DX-radioen var familiens gamle Høyding Tempo fra 1949. Jeg hørte dem 3 mai 1967 på 11770 KHz i 25 mb. Rapport ble sendt i vei og etter et par uker kom svaret i form av et full-data QSL-kort som er vist på bildet nedenfor. Noe lydopptak har jeg imidlertid ikke, jeg hadde ingen båndopptaker den gangen.

Den gangen var Afghanistan et forholdsvis sivilisert land sammenlignet med hva det senere har utviklet seg til. Omtalen av Afganistan i

1967 utgaven av WRTH (World Radio & TV Handbook) viser at de både hadde skikkelig dekning på hjemmebane og også en Foreign Service med programmer både for nabolandene og også rettet mot Europa på engelsk, tysk, arabisk og fransk. Hvilket språk jeg hørte dem på husker jeg ikke, men det må trolig ha vært engelsk. Frekvensavlesningen på Høyding Tempo var nemlig svært grov, særlig på KB, ref bildet nedenfor. Eksakt frekvens måtte derfor hentes enten fra WRTH eller ved at de annonserte frekvensen(e) ved sendingens start, En annen mulighet kunne være å finne frem til frekvensen fra tips-spaltene i DX-News.

Den gangen var som nevnt Afghanistan et nokså sivilisert land sammenlignet med hva det senere ble. Formelt var det et kongedømme, den siste kongen het Zahir Shah. Utenrikspolitisk var Zahir Shah ganske nøytral. Han klarte å holde Afghanistan nøytralt og ute av andre verdenskrig og holdte også nasjonen nøytral i den kalde krigen så lenge han satt ved tronen. Dette til tross for at Afghanistan var en grensestat til Sovjet. Han utviklet kulturelle og handelsmessige bånd til vesten, og Afghanistan ble et populært turistmål i hans regjeringstid. I 1964 innførte han en ny grunnlov som endret Afghanistan fra å være et eneveldig kongedømme til et konstitusjonelt monarki. Den nye grunnloven var et steg mot demokrati og gjorde grunnskole obligatorisk, ga kvinner stemmerett, samt mulighet til å ta utdanning og arbeid. Det kan man også se på fotografier fra den gang. Kvinner går overraskende vestlig kledd, de var ikke pakket inn i burka, hijab og den slags. Radio Afghanistan ble ikke oppfattet som noen propagandastasjon for fundamentalistisk islam slik f eks SABC (Saudi Arabian Broadcasting Service) og Radio Iran blir i dag.



Når det gjelder kringkasting og radiostasjoner i Afghanistan i dag må man jo regne med at det nye Taliban-regimet har tatt full kontroll. Men hva vil de bruke den kontrollen til? Offisielt sier de jo at de ønsker et godt forhold til hele den øvrige verden, men om det er alvorlig ment gjenstår å se. Det skulle også tilsi sendinger til utlandet og verifikasjon av lytterrapporter. Man må nok imidlertid regne med at all email, inklusive rapporter, blir lest og kontrollert av Taliban. Det gjør man faktisk også i Iran.

Da det regimet som USA hadde støttet omsider falt hadde det også dukket opp en lang rekke private kommersielle radiostasjoner i Afghanistan. Disse er nokså detaljert omtalt i WRTH for 2020, men de sender stort sett bare på FM. Noe DX-objekt for oss i Norge er de derfor ikke, men det finnes jo også DX-ere bl a i Pakistan. Hva de eventuelt hører skal bli litt interessant å følge med på.

(Jarle Synnevåg via DXLC)

[Archive of the texts of "News of Christian Radio Broadcasting".](#)

Maybe - who remembers when the Christian Radio Broadcasting News on TWR stopped, which Vasily Gulyaev also conducted for quite a long time after the tragically departed Nikolai Pashkevich?

Judging by the archival pages of the dxing.ru portal, where there was a special section with schedules and texts of such headings, the last issue was released in May or June 2012 (because on the page for May 2 it is still there, but for July 4 it is no longer).

<https://web.archive.org/web/20120502225422/http://dxing.ru:80/dx-programmy.html>

<https://web.archive.org/web/20120704073755/http://dxing.ru:80/dx-programmy.html>

Archive of texts of "News of Christian broadcasting" for 2004-2010

<https://drive.google.com/file/d/1ZCePywF39bEGcBE00YIOJ2XpZ7pYAMmt/view?usp=sharing>

(Alexander, Ukraine / "open-dx")

(RUS-DX # 1162)

Newfoundland Report #1 Medium Frequency Marine Broadcasts

In October I received an invite to the more-or-less annual Newfoundland DXpedition when one of the regulars was unable to go. I can confirm that DXing there is every bit as amazing as you've heard. I was with Jean Burnell, John Fisher, and Jim Renfrew for the eight nights of Monday November 8th through Monday November 15th. We were at a rural location near Cappahayden about 80 kilometers south of St. John's. The house was about 100 meters from the shore. We had a 1200-foot beverage pointed a bit east of due north and a 1000-foot one pointed pretty much due south. There was also a large wire loop with a Wellbrook amplifier.

The other guys had their own system down and concentrated on getting MW spectrum recordings on all three antennas. (Everyone got copies of all the files and there are years of DXing to do on those recordings.) That left me free to focus on other interests. I had brought two laptops, my ELAD FDM-S2 SDR, and two Airspy Discovery SDRs.

I mostly dedicated the older laptop and the two Airspys to monitoring various DSC channels with YADD. I got decodes from 4,019 different ships and 95 coastal stations in 51 countries. I may be able to find a few more when I look at the unidentifieds. A link to the list of land stations logged is below.

The newer laptop and Elad were primarily used to go after maritime weather stations in the medium-frequency range (1600-3000 kHz). I was especially interested in going after stations in Norway and the Norwegian Arctic Islands. Telenor operates thirteen weather broadcast stations. Five of these in southern Norway are used for Norwegian Coastal Radio South. Eight others - six on the mainland plus one each on Svalbard (1731 kHz) and Jan Mayen (1743 kHz) islands - are used by Norwegian Coastal Radio North. Two additional little-known stations are operated by the Norwegian Meteorological Institute on Bjornoya (Bear Island on 1757 kHz) and Hopen Island (1750 kHz). These last two stations appear to be very old. Via Google, I found a listing for Bjornoya on 1757 in a book from 1973.

I heard all fifteen Norwegians at least twice and have received e-QSLs from Bjornoya Meteo and Hopen Meteo. As to how rare the Arctic Islands are, Bjornoya and Hopen have never been reported to the Utility DX Forum since its founding and Telenor in Jan Mayen only once. Svalbard on 1731 has never been reported to UDXF but it was heard at Long Beach Island, New Jersey a few years ago.

I count all four of these Arctic islands as among my best DX catches ever. And it's cool to apparently be the first DXer in decades (or ever?) to have logged these broadcasts from Bjornoya and Hopen Island. But given that all four frequencies are open and free of interference, with the right conditions you shouldn't have to go to Newfoundland to log these. Last winter in Pennsylvania I logged several stations from mainland Norway, Sweden, and Denmark in the 1700-1800 kHz range. So who will be next to hear Bjornoya and Hopen Island?

Medium-frequency maritime logs

https://docs.google.com/spreadsheets/d/1uy5scfXH6zm16K_13Wetr-3A2mNyalEyeVV-1qHk2sc/edit#gid=0

Audio files of Bjornoya and Hopen. On 12 Nov, 1757 IDs as Bear Island Meteo in English twice. On the 13 Nov recording they ID as Bjornoya Meteo.

<https://drive.google.com/drive/folders/11lQpYYDkydJXCHI-JgfgWdyeQKjGmdn7?usp=sharing>

List of DSC Coastal Stations Logged (All of the Europeans except for Bulgaria were logged on 2187.5 kHz)

<https://docs.google.com/spreadsheets/d/120iAin4qQWjn1u-ToX0PVbFHxG6NHMrGNiDR4mEkaY/edit#gid=0>

Newfoundland Report Part Two

There is still some SWBC DX to be found and on the weekend I made lengthy SDR recordings of 49 meters to try for European private and pirate stations. A few of these had been heard on the Pennsylvania BOGs last winter, but not nearly as well. Most are new stations for me.

5780 Belgium Harmony Radio - Waterloo 0250 (tune-in) to 0406 (tune-out) 30s/40s type vocal mx, maybe from films. Weak but steady signal. No anmts found so presumed. (14/Nov)

5920 Germany HCJB - Wennermoor *0759 w/ religious mx. Then woman in German w/ anmts, ID. Then into German pgm. Fair at first but mostly gone by 0900. (14/Nov)

5930 Denmark World Music Radio - Bramming 0659 Presumed. Suddenly there when France went off of 5925. Then mostly in clear with occasional splatter from WWCR on 5935. Weak rock mx and a few anmts. Never strong enough to make much out. Gone by 0900. (14/Nov)

6005 Germany Shortwaveservice - Kall-Krell *0859 Music-box-like interval signal. Interval signal matched w/

recording on YouTube. At 0900 Anmt (probably ID) by man then into some kind of magazine program with talk and bits of music. Language sounded like German. Weak with occasional peaks. Faded out after 1000. (13/Nov)

6020 Netherlands Radio Delta International - Elburg 0655 Mostly pop and rock mx in various languages but did throw in a bit of other genres. Frequent IDs, mostly in English. Announces 1000 watts ERP. Surprisingly strong at times for first two hours then began weakening around 0900 but didn't fully fade out until after 1000. (14/Nov)

6070 Germany Radio Channel 292 - Rohrbach Waal 0655 Pop mx, IDs at top of hour as Radio Nordsee International and RNI, so assume a relay. In German or Dutch except for occasional prerecorded little slogans like "More Music". Fair and mostly over CFRX at tune in but by 0900 mostly under CFRX. (13/Nov) 0655 Much stronger and totally over CFRX. Now carrying Radio Waves International. Pop/rock. IDs in English, German. Began fading around 0900 and under CFRX by 0915. Then at exactly 1000 well over CFRX again but now with Radio DARC program. They must have raised power. But soon fading back down under CFRX. (14/Nov)

6085 Germany Shortwave Service - Kall-Krell *0759 with short mx bit then into Radio Mi Amigo program with IDs and pop mx. Fair at start but much weaker by 0900. (14/Nov)

6130 Netherlands Radio Casanova - Winterswijk *0827 Carrier first then weird instrumental version of the song 'Red River Valley'. Music mostly countrified pop vocals (or popified country vocals). But other stuff thrown in, like a brief bit of the popcorn song and some omp-pah Dutch songs. IDs at 0857, 0937. Few anmts in Dutch. Faded after 1000 but still some signal until after 1100. Per eQSL power is 375 watts. (14/Nov)

6140 Netherlands Radio Onda - Borculo *0750 First with open carrier then tones. Finally anthem-like mx at 0753 followed by Portuguese and English ID. Then mix of English and Portuguese pops. Signal weak but clear. Mostly gone by 0930. (14/Nov)

6150 Germany Europe 24 - Datteln 0750 Came on w/ open carrier until 0758. Then on w/ bit of old Emerson Lake and Palmer song. Multi-lingual ID in German, English, and one other language. Into pop mx. Fair signal until started to fade towards 1000. (13/Nov) *0804 Maybe transmitter issues as suddenly there at 0804 in mid-song. News in German at 0830. Program similar to previous night. Signal a bit better but still mostly gone around 1000. (14/Nov)

6160 Germany Shortwave Gold - Winsen 0856 A weak carrier here suddenly became stronger at 0856 and a minute later into jazz. At 0900 string of English IDs and jingles. Weak and difficult copy. Programming seemed to be religious after 0930. (13/Nov) *0857 Suddenly there with jazz. Not particularly strong but covered weaker WBCQ. Also a bit better than previous night. (14/Nov)

6195 ??? Radio Blackstone - ??? *0948 carrier on followed by weak mx at 0954. Mostly mx until 1012 then some anmts. I was able to pick out "Radio Blackstone" twice. Off at 1016 (which revealed BBCWS underneath). A French on HF Underground who obviously had much better reception wrote that they had to go off due to transmitter problems. (14/Nov)

6209.78 UNID *1005 w/ accordion mx. Off at 1021. Weak. (13/Nov)

6270 UNID Carrier on at 0927:40. Off or faded out about 1037. Only weak traces of audio. Reported in Europe as Polka Radio. (14/Nov)

6305 Netherlands Radio Ronalisa - ??? *0754 with accordion mx then into English pop. At 0813 gave thanks to John Fisher for his live rpt from Newfoundland, Canada. (I had preferred to stay in bed and DX the files later!) Signal ranging from barely there to fair w/ long fades. Occ bursts of digital ute QRM. Appears to have gone off at 0922. (13/Nov)

6380 ??? Radio 319 - ??? *1012 Carrier came on. English talk incl something about importance of hygiene. Pop mx. Weak but reasonably clear for first half hour or so. Mostly gone by 1100. No ID. Name is per simultaneous logs in Europe on HF Underground. (14/Nov)

(Don Moore --- donmooredxer@yahoo.com <http://www.donmooredxer.com>)

The audio archive of the Leningrad House of Radio will be digitized using neural networks.

A meeting was held in St. Petersburg on the introduction of new technologies into the storage system for archival documents. The meeting was held at the Archives Committee chaired by Vice Governor Vladimir Knyagin. The participants of the meeting, among many other issues, discussed the use of artificial intelligence in the process of digitizing audio documents stored in the archives of St. Petersburg. It was noted that the automatic speech recognition program "Nestor", developed by the "Center for Speech Technologies", allows for about 5 minutes to decrypt and translate into printed text any audio file with a duration of 60 minutes. At the meeting, it was recalled that, on behalf of Governor Alexander Beglov, the city archive in 2021 accepted the collection of audio documents of the Leningrad House of Radio for storage. Experts have already started digitizing it using artificial intelligence. More precisely, one of the varieties of artificial intelligence - neural networks. As the participants of the discussion assured, the use of neural networks will significantly increase the efficiency of digitizing unique audio files.

photo: gov.spb.ru | text: gorod-plus.tv

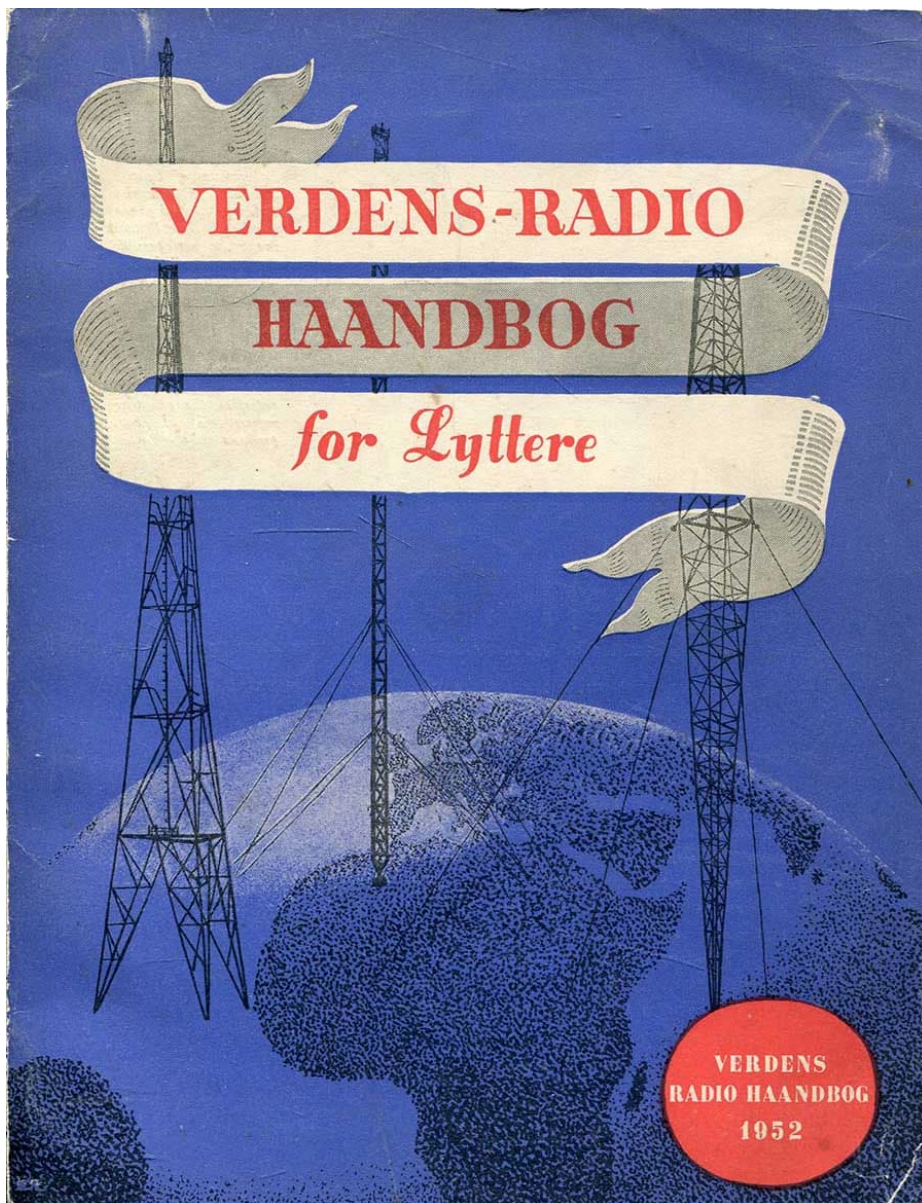
(https://onair.ru/main/enews/view_msg/NMID_81754/)

(RUS-DX # 1163)

DX nostalgia by RFK

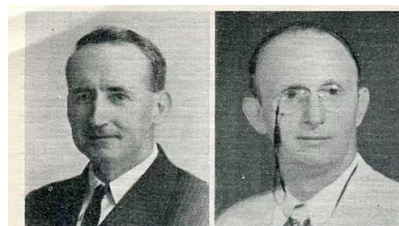
We DX-ers have some very different views on what nostalgia is but one thing is definite: the World Radio TV Handbook is some nostalgia we have in common. What would our hobby have been without this book? By now I suppose you have all heard that the 2022 edition of the WRTH will be the very last one. Over the years this book has been a faithful companion when tuning the bands and its content has kept growing through the efforts of many collaborating radio enthusiasts worldwide. You might argue that all the information is readily available online and that there really is no point in keeping such a book alive. The way I see it the WRTH is still very useful and it is very handy to have so much information available in one book. You can't always have online access at your DXpeditions, you know.... In any event, the WRTH will be sadly missed by many of us.

The WRTH was the brainchild of publisher O. Lund Johansen and was first published in 1947. The first years it was named Verdens-Radio Haandbog for Lyttere. In 1965 the name was changed to World Radio TV Handbook as Jens Frost took over as editor. This 1952 edition is from the collection of our friend the late Claës-Wilhelm Englund CWE who actually started DX-ing that year.



Well, things have certainly changed a bit since 1952. Today there is not much to be heard on SW from Nicaragua. In 1952 it looked a bit different. The WRTH then contained just 120 pages.

NICARAGUA	
Language Spanish – all stations commercial except YNV.	
Stations:	
YNJJ:	4052 74.00 0.02 R. Carazo, Jinotepe 12.00–03.00.
YNCHA:	5010 59.88 0.1 La Voz de Carazo, Diriamba, 12.00–04.00. <i>Announcement</i> in Spanish and English every fifteen minutes. <i>Verification</i> by letter.
YNMW:	5040 59.52 0.4 R. Continental, Managua, 13.00–03.00.
YNJAT:	5758 52.10 0.6 La Voz del Aire, Leon, 00.00–03.30.
YNWW:	5965 50.28 0.4 R. Sport, Granada, 13.00–03.00.
YNDG:	5995 50.04 1 R. Colonial, Leon, 23.00–03.00.
YNBH:	6015 49.88 0.4 R. Panamericana, Managua, 13.00–22.00, 03.45–04.30. <i>Verification</i> by letter.
YNOW:	6055 49.55 0.6 La Voz de la America Central, Calle Noreste 607, Managua, 13.00–05.00.
YNEQ:	6065 49.46 0.2 La Voz de la Victoria, Apartado 338, Managua, 13.00–04.00.
YNRG:	6087 49.28 0.1 La Voz de Oriente, Granada, 13.00–04.00.
YNV:	6100 49.18 2 Radiodifusora Nacional, Managua, 13.00–03.00.
YNZZ:	6140 48.86 0.4 R. Mundial, Managua, 13.00–03.00.
YNVP:	6185 48.50 0.2 La Voz de Nicaragua, 12.00–20.00, 22.00–04.00.
YNAS:	6300 47.62 0.1 Ondas del Xolotlan, Managua, 12.00–03.00.
YNAC:	6710 44.64 0.22 R. Pax, Managua, 14.00–03.00.
YNFT:	7300 41.10 0.2 La Voz de Sultana, Granada, 22.00–02.00.
YNAO:	7360 40.76 0.2 Ecos del Aire, Masaya, 12.00–03.00.
YNAM:	7400 40.54 0.5 Academia Militar, 13.00–04.00.
YNXA:	7415 40.47 0.1 Ondas Culturales, Masaya, 22.00–04.00.
YNTZ:	7460 40.21 0.1 R. Masaya, Masaya, 14.00–04.00.



Haiti (left): Director Bustin who often can be heard from Radio Station 4 VEH. – Panama: Mr. Geo Williams who can be heard from HPM 21 daily at 17.30, 23.00, 01.00, 02.00 (“Radio-Newspaper”).

YNRL:	7517 39.90 0.15 La Voz de la Victoria, Granada, 13.00–04.00.
YNLAT:	7625 39.34 0.4 La Voz del Mombacho, Granada, 22.00–03.15. <i>Verification</i> by letter.
YNMG:	8007 37.46 0.1 La Voz de Jinotepe, Jinotepe, 17.30–19.00, 01.00–02.30.
YNXW:	8250 36.36 0.1 R. America, Av. Sureste 409, Managua, 12.00–04.00.
YNV:	9715 30.88 2 Academia Militar, Managua, 13.00–04.00.
YNV:	11815 25.39 2 Academia Militar, Managua, 13.00–04.00.

A country which relied very much on SW for domestic broadcasting was Indonesia. This 1956 QSL card was sent to Lars Rydén LR who started DX-ing already in 1950 and is still active now and then. The Radio Republik Indonesia station at Makassar, Sulawesi was heard on 7295 kHz.



The late Olle Alm OA amassed an impressive QSL collection over the years after he started DX-ing in 1955. He was active on all bands although North American MW stations had a very special place in his heart. Here is a QSL which he received from a quite rare country: Kiribati.



Below we see the flipside of the QSL. Olle heard the station on out-of-band frequency 14917 kHz.

KIRIBATI **QSL CARD**

Racing Canoe in action — the trick is to keep the outrigger out of the water in good balance. Photo: M Burgess.

Dear

This is to verify your reception report of
 Radio Kiribati (Station T3K1) from 1947 GMT
 until 1825 GMT., on 16TH NOVEMBER 1989
 on our regular frequency 14917 KHz

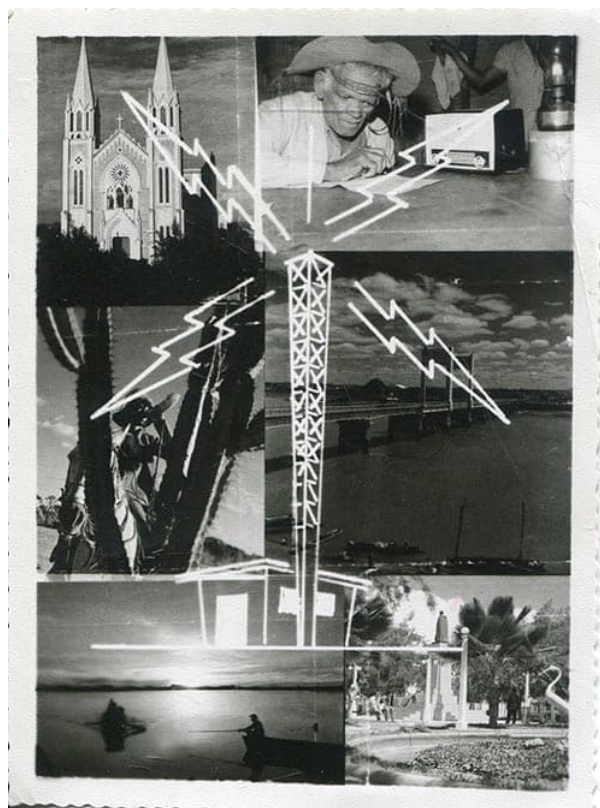
Date; 26/3/92

M. Kiritome
 FOR Engineer-in-Charge
 Radio Kiribati

KIRIBATI
 40c
 ODDVICT SURGEON-GEN.
 KIRIBATI
 Olle Alm
 Tjädervägen 6A
 S-871 65 Härnösand
 SWEDEN

Published by the Broadcasting and Publications Authority, P.O. Box 78,
 Bairiki, Tarawa, Kiribati
 Printed by the Singapore National Printers (Pte) Ltd., Singapore

Below is another QSL card from OA:s collection, received in 1967. It illustrates quite clearly how the radio waves can reach out to listeners everywhere. Well, at least that was true before all man-made noise from electronic appliances, computers and so on came along.... The station, Emissora Rural – A Voz do São Francisco, operated from the town of Petrolina in the state of Pernambuco on 5025 kHz.



QSL from another Radio Rural, this one being located in Rio de Janeiro. It used to be one of the most common Brazilian stations in the international SW bands. From the collection of Olle Alm OA.



Finally a QSL letter from a country which have had many SW stations over the years: Costa Rica. It may have something to do with the fact that there was a manufacturer of SW transmitters in Costa Rica, the El-cor company. For a while they even operated their own broadcasting station in the 49 metre band. Olle Alm OA reported Radio Atenea of San José in 1972. As you know, your contributions are always welcome. Just mail me at info @ rock.x.se.

ADMINISTRACION:
TELEFONO DE OFICINA 22-57-29
APARTADO POSTAL 2208

SAN JOSE, COSTA RICA Centro Americano
Lunes 4 de Diciembre de 1972.

TELEFONO 22-59-70 (975 Kc.)
ESTUDIOS 21-96-61 (900 Kc.)

Señor,
Don.
Olle Alm.
Axvägen 69 -11
175 44 Jarfälla
Sweden-Suecia.

Muy estimado oyente:

Muy agradecidos por su valioso reporte de sintonía. Todos y cada uno de los datos que usted nos envía respecto de la fecha, hora, identificaciones y frecuencias SON EXACTOS.

Nos alegra mucho saber que en su hermoso país nuestra emisora entra con una señal clara en su frecuencia internacional en 6150 Kilociclos, banda de 49 metros.

Sería para nosotros de mucho valor, y aunque ello signifique que abusamos de su buena voluntad, que nos siguiera reportando su sintonía por lo menos cada 2 meses, a efecto de comprobar que no han habido variantes en nuestra señal.

Para su información le ofrecemos algunos datos relacionados con nuestra emisora Radio Atenea:

Se fundó en 1935 operando únicamente en la frecuencia local, ONDA MEDIA. Actualmente opera en ONDAS MEDIA Y CORTA simultáneamente, Nuestra planta de ONDA CORTA en 6150 Kc., banda de 49 metros se inauguró el 1º de noviembre de 1968. El transmisor es moderno, compacto, totalmente automático, con modulación en placa y con antena folder thepole. Fue fabricado en nuestro país.

Como recuerdo y símbolo de amistad le remitimos un banderín que es a la vez una sencilla pero sincera muestra de nuestro agradecimiento por su gentileza en reportarnos su sintonía.

Cordialmente lo saludamos,

P/ RADIO ATENEA S. A.

DEPTO. DE PROMOCION
Y CORRESPONDENCIA
Luis Felipe Barahona Madrigal.
Luis Felipe Barahona 722.