

SHORTWAVE BULLETIN

Issue no. 1974, April 18, 2021

Deadline e-mail next issue: 0800 UTC, May 2, 2021

In this issue we can present Anker Petersen's annual report "Trends in tropical bands broadcasting 2021".

Very interesting reading, especially for me and all others who have spent most of the time there.

In 1973 1106 stations and today 2021 only 74 remaining! So for me shortwave is no more of any interest.

This week we learnt that BBC plans to shut down many AM frequencies in the coming weeks! Also on MW a lot of stations have disappeared and within a few years the band will sound very different.

We can already see the problems with the frequency lists where it is difficult to get exact information when the stations have switched to FM.

So let us enjoy listening as long as we can, no matter if it is SW or MW.

Keep on

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SWB-info

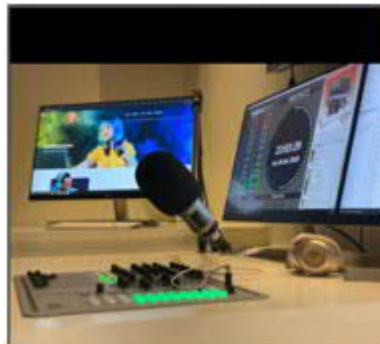
SWB on HCDX: <http://www.hard-core-dx.com/swb>

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

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

QSL, comments, etc.

Manuel Méndez. 6020, Radio Delta International, Elburg, received eQSL in one hour. Sunday 11th April transmission at 0615, heard in Reinante, Lugo, north west of Spain. Reception report sent to: info@radiodelta.am Another email address: radio-delta@icloud.com <https://radiodelta.am/>



Dear Manuel,

Thanks for your report, I hope next time reception will be better.

On the website you find more about our history and the future.

Sunday - in our DX show - at 10.00 UTC we will discuss live your reception report and we will play a record specially for you.

At this moment we are using a NVIS dipole antenna. Our transmitter gives 1000 Watts ERP.

The conditions on shortwave are this moment not that good. We are very dependent on the skip-zone. In spite of this, we have received nice reception reports from Europe.

Regards,

Aart

Robert Wilkner. The Mosquito Coast, April 13, 2021. A series of problems delayed this issue. "Happy to have log from Russell Scotka, an original 1980s member with, Larry W, Steve Reinstein, David Potter, William J Parks, Dan Sheedy, John Santosuosso, David Sharp, and others in the then, *DX South Florida*."



Christer Brunström: Radio Andorre (memorial broadcast via Moosbrunn, Austria) 6180 kHz. eQSL.

In the 1970s I was a frequent listener to Radio Andorre while spending my summers in the south of France.

(Picture from:

<https://www.facebook.com/AquiRadioAndorra/>)

2598u	Apr10	0010	VON St. John's with announcer with fairly readable signal , 10 April (Wilkner)
3310	Apr4	0140	Radio Mosoj Chaski, Cotapachi, Quechua, comments. (Méndez)
3310	Apr5	0000	Radio Mosoj Chaski, Cochabamba, some fading with om and yl chat in presumed Quechua, stronger than usual signal. (Wilkner)
3325	Mar22	1055	Tent. RRI Palangkaraya, Indonesia, most likely, but NBC Bougainville PNG is a possibility, unintelligible threshold level signal. (XM)
3325	Apr15	1400	VOI, via Palangkaraya; in Bahasa Indonesia; ID, news and patriotic song "Bagimu Negeri" (For You Our Country); mostly fair; my audio posted at http://bit.ly/3dirptQ . (Ron Howard, Asilomar State Beach, CA, USA)
3330U	Apr5	0020	CHU with time check (Wilkner)
3480	Apr8	2050	Voice of the People, via Goyang, South Korea Korean songs // 3910, 3930, 4450, 6520 and 6600 – All parallels jammed (AP-DNK)
3480	Apr16	2111	Voice Of The People (cland.), Goyang. Kor to KRE, tks. 25342 (CGS)
3910	Apr3	2109	Voice Of The People (cland.), Goyang. Kor to KRE, tks. Jammed. 24341 (CG)
3915	Apr13	2209	BBC, Kranji relay. WS in E to SEAs, rpts. 35342 (CG)
3920	Apr16	2109	R.Piepzender, Zwolle. Pops. 35443 (CGS)
3930	Apr16	2113	Voice Of The People (cland.), Goyang. Kor to KRE, tks. Jammed. 23341 (CGS)
3955	Apr8	-2100*	R Korea Int., via Woofferton German closing down with address (AP-DNK)
3955	Apr8	2100	Channel 292, Rohrbach English pop songs – audible after Woofferton signed off (AP-DNK)
3955	Apr3	0005	Radio Channel 292, Rohrbach Germany, songs EE, good (Bernardini)
3959	Mar20	0854	KCBS Kanggye, Korea North; female choral music. Poor (LOB).
3975	Apr8	2105	Shortwaveradio, Winsen German ann 3975 and 6160 kHz, but 6160 was not heard; adv, listeners reception reports, English pop songs (AP-DNK)
3975	Apr16	2115	Short Wave R, Winsen. E, pops, chatter & pop mx quiz. 35332 (CGS)
3980	Apr3	2107	R.Echo of Hope (cland.), Gyengi-do. Kor to KRE, tks. Jammed. 24341 (CG)
3995	Apr8	2110	HCJB, Weenermoor German religious "Bibel lese", hymns (AP-DNK)
4010	Apr3	0005	Kyrgyz Radio, Kyrgyztan, Bishkek; broadcast opening: signal, music, short female voice announcements, music. Very weak, deteriorating over listening (LOB).
4010.2	Apr10	-1800*	Kirgyz Radio, Bishkek, songs, comments. Extremely weak. (Méndez).
4450	Apr5	2130	Voice Of The People (cland.), Goyang. Kor to KRE, tks. QRM de CODAR + jammer. (CG)
4750	Apr8	2115	Voice of China, Hailar Chinese talk, songs // 4800, 6000, 6080 and 6125 (AP-DNK)
4749.95	Apr12	1200	VOI, via Cimanggis/Jakarta, 1200-1218. Unusual reception; clearly able to hear VOI (Japanese) mixing with CNR1 (Chinese); this was possible as Bangladesh had not started yet. 3325, via Palangkaraya, was heard with a strong carrier, but no trace of any audio today. April 14, again had positive VOI reception 1311-1314, with distinctive national song "Bagimu Negeri," after the news in English; mixing with China and Bangladesh's test tone (BB IS started at 1314 and time pips at 1315); today heard very decent carrier on 3325, but no trace of any audio. (Ron Howard, Asilomar State Beach, CA, USA)
4752.15	Apr13	0030	Tnx to this tip on the WOR iog at 0017 on April 13 from Lúcio Otávio Bobrówiec, Brasil: <i>``Spanish talks on 4752 kHz seems a LA station. 4764, Huanta 2000 silent for some 3 weeks. Congratulations Glen! 73 Lucio, Brasil``</i> ----- Got it immediately at 0030 via Bonaire SDR on 4752.15 - Spanish with reverb, live remote? Promoting a ``Casa de Campesinos``, --- ``aquí en Perú`` --- with phone 940-99-77-28. Brief song, then mentions Huamanga, another phone 996+. 0035 suddenly off leaving CODAR. Not on 4764 either. Looks like R. Huanta 2000. Website is: https://radiohuanta2000.com/ not as in WRTH with fm after 2000. Audio en Vivo does not work. On page are other phones starting with 933, 960. Tuned around but not found on 4747 or elsewhere - just 4775 Tarma, and horrible spurs from 4765 Cuba about 4783 and 4747 (Glenn Hauser, OK, WOR)
4752.468 v	Apr15	0024	R. Huanta 2000 presumed, again tonight within 4 Hz of where it was SDR SAM-measured last night, via TWR KiwiSDR, Boa Vista, Brasil, S8-S9 but VP unreadable, so with BFO I just listen for the carrier to drop, which it does at 0028* (Glenn Hauser, OK, WOR)
4765	Apr10	0139	Radio Progreso, La Habana, comments. (Méndez).
4775	Apr4	0142	Radio Tarma, Tarma, Peruvian songs. (Méndez)
4775.1	Apr15	2205	R.Tarma, Tarma. Cast, tks. 35342 (CGS)
4775.1	Mar23	0020	Radio, Tarma, marginal signal, thanks to tip from Russel Scotka. (Wilkner)
4775.03	Apr9	0000	Radio Tarma, Peru, SS, songs weak // streaming (Bernardini)

4775.05	Mar23	0101	Radio Tarma, Tarma Music, ID "Transmite Radio Tarma". (Russel Scotka, Connecticut)
4820	Apr8	2140	Xizang PBS, Baiding, Tibet, Chinese songs // 5935 (sideband QRMs), 6050 and 7240 (AP-DNK)
4840	Apr3	0000	WWCR, Nashville, TN USA, talks EE, fair (Bernardini)
4875.1	Apr5	0030	Rdif Roraima, Boa Vista RR music and om chat...good signal (Wilkner)
4885	Apr3	2112	R.Echo of Hope (cland.), Nowong-gu. Kor to KRE, tks, mx. USB QRM de Spanish fishing boats. 33431 (CG)
4885	Apr8	2155	Echo of Hope, via Taereung, South Korea Korean talk, piano (AP-DNK)
4885	Apr10	0540	Radio Clube do Pará, Belém, with weekend program "Clube da Madrugada". (Méndez)
4885	Apr5	0030	Radio Clube do Pará, Belém, PA, enjoyable music with om DJ, good signal (Wilkner)
4885	Apr9	0006	Radio Clube do Pará, Brazil, PP, talks fair (Bernardini)
4885.04	Apr9	0420	R Clube do Pará, Belém, PA Portuguese religious talk, music (AP-DNK)
4890	Apr12	2133	R.Echo of Hope (cland.), Nowong-gu. Kor to KRE, tks. 25331 (CG)
4895	Apr3	1827	Mike Radio, Heerde, Netherlands talks EE many ids, end bc, carrier off 1835 fair good (Bernardini)
4905	Apr8	2205	Xizang PBS, Baiding, Tibet Tibetan interviews, short musical interlude // 4920(CWQRM) (AP-DNK)
4930	Apr11	1845	VOA Africa Service, via Moepeng Hill English ann, Afropop from Malawi and Ghana. Also heard 2010, now // 6195 (AP-DNK)
4940	Apr11	0501	Religious station, program "Consejos para el matrimonio", songs, religious comments (Méndez).
4940	Apr2	0854	Radio La Montana, Colombia; music, male in Spanish "8, 4, 3!" (?), latin music. Poor (LOB).
4949.7	Apr4	0413	Radio Nacional de Angola, Mulenvos, only carrier detected, today and past days, this station seems to be transmitter problems. (Méndez)
4949.7	Apr5	0025	Radio Nacional de Angola, producing marginal signal in PT... (Wilkner)
4949.75	Apr6	0110	Radio Madre de Dios Pueblo, Peru. Just a brief peak of audio thru the noise I could identify an om speaking in SS w/ some notes of Latin style music. Signal was barely registering an S3. There appeared to be another signal on 4950.02 but it was not producing any audio. This is definitely a tentative log . The only thing I am sure of is the language, Spanish, and the fact that I did here some Latin music. (Stephen C Wood)

Stephen, You mean April 6, UT? Don't forget that Angola is perpetually off-frequency altho some keep rounding it off to 4950. Like 4949.7, but can't find a more accurate reading. Never mind if you are absolutely positive it was Spanish, not Portuguese. (73, Glenn Hauser)			
4950	Apr9	1730	AIR, Kashmir, comments. Very weak. (Méndez)
4950	Apr10	1620	AIR, Srinagar Vernacular talk (AP-DNK)
4965	Apr3	1945	Voice of Hope, Lusaka, religious songs and comments, English. // 6065. (Méndez)
4985			R. Brasil Central, Goiânia GO is not heard for quite some time. (Carlos Gonçalves)
5010	Apr9	0009	AWR, Okeechobee, FL USA, SS songs talks, fair (Bernardini)
5025	Apr9	0425	R Rebelde, Bauta Spanish ann, Cuban songs CWQRM (AP-DNK)
5040	Apr9	-1744*	AIR, Jeypore, 1720-1744*, Apr09, Hindi songs, comments. Very weak. (Méndez).
5040	Apr10	1615	AIR, Jeypore Indian folksongs (AP-DNK)
5040	Apr9	0012	Radio Habana Cuba, talks in Creole, fair good (Bernardini)
5825	Mar25	0018	R. Triunfal Evangelica, Chile, Talagante; male Spanish talks, instr. music. By tip of Bruce Churchill, poor, fady, unreadable (LOB).
5850	Apr3	0010	Radio Slovakia Int. Okeechobee, FL USA, slovak program, fair (Bernardini)
5895	Apr11	1630	R Northern Star, Erdal English ID, "Music of the 60ies" (AP-DNK)
5895	Apr3	1815	Radio Northern Star, Bergen, Norway, songs, weak with fading //streaming (Bernardini)
5915	Apr3	2025	Zambia NBC, Radio 1, Lusaka, Vernacular, comments. (Méndez)
5915	Apr8	2225	Radio Zambia, Lusaka, long talks, music, Vn weak fair //streaming (Bernardini)
5915	Apr3	0015	Myanmar Radio, talks Burmese, weak (Bernardini)
5920	Apr11	1450	HCJB, Weenermoor German religious talk about Jerusalem // 3995 (AP-DNK)
5930	Apr8	1830	World Music Radio, Bramming, pop songs, id. "World Music Radio". (Méndez).
5939.4	Apr9	0704	Voz Missionaria, Camboriú, religious songs and comments. (Méndez)
5950	Apr3	0025	Prophecy Club, via WRMI FL USA, religious talks, EE, good (Bernardini)
5970	Apr10	1903	Radio 208, Hvidovre, pop songs. Very weak. (Méndez).
5970	Apr10	1920	R 208, Hvidovre English ann, pop music // 1440 (AP-DNK)
5970	Apr11	2144	R. 208, Hvidovre. Pops. 25331 (CG)
5970	Apr8	2215	Radio 208, Copenhagen Hvidovre, Denmark, songs, fair (Bernardini)
5970	Apr3	0030	WEWN Vandiver, AL USA, SS talks, fair (Bernardini)
5985	Apr3	2124	R.Mali, Kati. Songs. 45444 (CG)

5995	Apr11	0559	Radio Mali, Bamako, with intervnan signal and id. in French “Vous ecoutez L’Office de Radiodiffusion Television du Mali emettant de Bamako...”, Vernacular comments, African songs. (Méndez).
5995	Apr3	1805	RTV du Mali, talks in Vn, Afro songs, good (Bernardini)
5995.01	Apr11	1855	R Mali, Kati Nonstop African songs with drums (AP-DNK)
6000	Apr3	0034	Radio Habana Cuba, EE, Cuban songs talks, air (Bernardini)
6005	Apr11	1320	Shortwaveservice, Kall-Krekel German interview, music (AP-DNK)
6005	Apr9	0830	Radio Ukraine Int. Kall Krekel Germany, bc in German, fair good (Bernardini)
6005	Apr7	1130	Radio Slovakia Int, Kall Krekel, Germany, French program, good (Bernardini)
6015	Apr4	0345	Zanzibar Broadcasting Corporation, Dole, Swahili, comments. (Méndez)
6020	Apr11	0610	Radio Delta International, Elburg, English, comments, id. “Radio Delta International”, pop songs. Deteriorated due to daylight. (Méndez)
6050	Apr10	0140	HCJB, Pichincha, Quechua, comments. (Méndez).
6065	Apr3	1800	Voice of Hope Africa, Zambia, EE, religious talks, weak fair (Bernardini)
6070	Apr4	0406	CFRX, Toronto, English, news, comments, advertisements. (Méndez)
6070	Mar22	0718	CFRX Toronto, best reception of this in a couple of years, commentary about Covid (XM)
6070	Apr11	1910	Channel 292, Rohrbach English pop songs (AP-DNK)
6070	Apr11	1024	Valley FM, Rohrbach Germany, EE talks oldies, fair good (Bernardini)
6070	Apr4	1145	RNEI tent mx tk mx. (TB)
6085	Apr8	1355	R Mi Amigo, Kall-Krekel English ann, pop songs (AP-DNK)
6085	Apr7	1105	Radio Mi Amigo, Kall Krekel, Germany, ids, songs, fair (Bernardini)
6090	Apr4	0420	Voice of Amhara State, Addis Ababa, Vernacular, comments, East African songs. (Méndez)
6090	Apr16	1634	Voice Of Amhara State, Geja Jawe. Vn, tks, HoA songs. 25342 (CGS)
6095	Apr10	1012	Radio SE-TA 2, Nauen, pop songs, German, comments. (Méndez).
6115			Radio Congo, Brazaville. Out of air for the last weeks. Nothing at 0530 and nothing at 1800 when it was audible here. (Méndez)
6130	Apr11	1920	TWR, Mpangela Ranch Kuanyama talk, Afropop (AP-DNK)
6134.81	Apr3	0040	Radio Aparecida, Brazil, religious songs, PP fair (Bernardini)
6135.1	Apr13	1440	Radio Aparecida, Aparecida, sport news. (Méndez)
6140	Apr3	1824	Radio Onda, Borculo, pop sons, id. “Radio Onda”. (Méndez)
6140	Apr3	1750	Radio Onda, Borculo Netherland, songs no stop also Brazilians, fair (Bernardini)
6150	Apr8	1350	R Europa 24, Datteln German ann, English pop songs (AP-DNK)
6160	Mar25	0825	KCBS Pyongyang, Korea, North; intr, music, male and female in Korean discussion. By tip of Ron Howard, fair (LOB).
6160	Apr3	1505	Pyongyang BS (presumed). Weak with stirring Juche 'opera arias'.. a bit late to check //3320, tho. (Sheedy)
6170	Apr10	1817	R.NZPacific, Rangitaiki. E, short storty. 35332 (CG)
6170	Apr3	1740	Radio New Zealand Pacific, EE, talks, weak (Bernardini)
6180	Apr11	*2000-	Deutscher Wetterdienst, Pinneberg German weather forecasts for the North Sea, Kattegat and the Baltic Sea // 5905 (AP-DNK)
6180	Apr12	*1700-	Radio Andorra tribute special program, Moosbrunn, *1700-2045*, open and close transmission with Radio Andorra mythic female voice identification: “Aquí Radio Andorra, emisora del principado de Andorra”, songs, French, comments. (Méndez)
6180	Apr2	1715	Radio Andorra, via Moosbrunn Austria, special event tribute, FF songs, very good (Bernardini)
6185	Apr11	0605	Radio Educación, Ciudad de México, songs, music. (Méndez).
6185	Mar22	0705	XEPPM R Educacion, Ciudad Mexico, full ID and pgm of jazz and pop music, excellent signal (XM)
6185	Apr3	0047	Radio Educacion Mexico, SS talks, weak (Bernardini)
6255	Apr12	2135	R.Echo of Hope (cland.), Hwaseong. Kor to KRE, tks. 35342 (CG)
6280	Apr4	2119	KR-1 R - pir. E, pop oldies, e-mail addr. anns. 25442 (CG)
6340.2	Apr4	2144	Sound Of Hope R Int'l, unk. site. Mand to CHN, tks. 25341 (CG)
6348.1	Apr3	2137	R.Echo of Hope (cland.), Hwaseong. Kor to KRE, tks. QRM de jammer + RTTY. 34432 (CG)
6600	Apr7	2103	Voice Of The People (cland.), Goyang. Kor to KRE, tks. Jammed. 23441 (CG)
6985	Apr2	2320	The Vault, pirate, nice songs, EE, fair good vaultshortwave@mail.com (Bernardini)
7140	Apr4	0352	Voice of Broad Masses, Asmara, Vernacular, comments, East African songs. (Méndez)
7140	Apr10	1819	Voice Of The Broad Masses, Selai Dairo. Vn, tks, HoA songs. QRM de amateurs. (CG)
7205	Apr13	1558	Sudan Radio, Al Aitahab, Arabic comments and songs. (Méndez).
7254.9+	Apr17	0603	VON on here for second day, S9+20. I was not noticing it just before 0600 when concentrating on adjacent 7260 for Vanuatu, q.v. (Glenn Hauser, OK, WOR)
7260	Apr17	0557	JBA presumed R. Vanuatu X1 about to QSY? Nothing yet on X3 11835. 7260 cuts off at 0559:05*, and in the few seconds it takes me to retune to 11835, that frequency is already

activated by 0559:25, with much better S4-S9 signal, continuous YL Bislama talk, and no news theme heard. 3945 X2 on 7890 is JBA carrier; X4 on 15780 unheard yet (Glenn Hauser, OK, WOR)

7260	Apr14	0515	RV back to an alternate frequency. Tuned in at 0515 to hear an UNID; extremely poor, but slowly improving; by 0545, with positive ID and island music; cut off at 0559* UT; ex: 3945 & harmonics. (Ron Howard, Asilomar State Beach, CA, USA)
7305	Apr3	0100	Radio Vaticana, Greenville NC USA, start Portuguese program, good (Bernardini)
7360	Apr2	1855	Vatican Radio, Santa Maria de Galeria, English, Good Friday Via Crucis. (Méndez)
7385	Apr13	1525	PSB Xizang, Lhasa, Tibetan, comments, at 1600 English, program "Holy Tibet". (Méndez).
7490	Apr3	0105	WBCQ Monticello ME USA, talks EE, weak fair (Bernardini)
7505	Apr3	0109	WRNO New Orleans, LA USA, religious talks, good (Bernardini)
7730.1	Apr11	2146	Sound Of Hope R Int'l, unk. site. Mand to CHN, tks. 15341 (CG)
7850	Apr3	0114	CHU Ottawa, ON Canada, time pips, ids FF & EE, good (Bernardini)
7890	Mar18	0629	R. Vanuatu, Vanuatu, Port Vila, Harmonic; music, male announcements at BoH. Poor (LOB).
7890	Apr14	*0600-	RV 2nd Harmonic - with brief news headlines, followed by the extended weather report; poor; unable to hear 3945 or 3rd harmonic (11835). (Ron Howard, Asilomar State Beach, CA, USA)
9100	Apr4	2142	R.Echo of Hope (cland.), Hwaseong. Kor to KRE, tks. 35443 (CG)
9180.1	Apr13	2211	Sound Of Hope R Int'l, unk. site. Mand to CHN, tks. 15341 (CG)
9230	Apr11	2148	UnID, site? Mand, tks, songs. Jammer against Sound Of Hope R Int'l, TWN. 25341 (CG)
9265	Apr3	0130	WINB Red Lion PA USA, songs, EE, fair (Bernardini)
9280.1	Apr13	2213	Sound Of Hope R Int'l, unk. site. Mand to CHN, tks. 15341 (CG)
9310	Apr2	1700	Deewa Radio VOA, Ban Dung, Thailand, Pastho, reports, good (Bernardini)
9330	Apr2	1705	WBCQ Worlds Last Chance, Monticello ME USA, EE, talks, good (Bernardini)
9385	Apr6	0845	WEWN Vandiver AL USA, religious talks, EE, off at 0855 good (Bernardini)
9395	Apr3	0120	RAE Argentina al Mundo, via WRMI, USA, EE program, fair (Bernardini)
9420	Apr10	1935	Voice of Greece, Vathy Greek ann, beautiful Greek folksongs with perfect reception ! (AP-DNK)
9495	Apr3	0122	Radio Republica, via Issoudun France to Cuba, politics SS, fair (Bernardini)
9505	Apr13	1362	Voice of Africa, Al Aitahab, French, news, comments. Strong QRM on 9500. (Méndez).
9510	Mar28	1100	AWR Wave Scan, Saftica Romania, History of radio in Australia and New Zealand & DX news, EE, good (Bernardini)
9550.1	Apr15	2211	R.Boa Vontade, Pt.º Alegre RS. Natl. nx magazine A Voz do Brasil. Adj. QM. 23441 (CGS)
9610	Apr11	0900	AWR, Nauen Germany, Italian, Obiettivo DX by R. Scaglione, very good (Bernardini)
9650			R. Guinée, Sonfonia, became erratic. What's heard on the fq is usually what I believe is S.Arabia. (Carlos Gonçalves)
9650	Apr4	0655	Radio Guinea, Conakry, African songs, at 0735 religious catholic program "Le Jour du Seigneur", 0809 id. "Radio Guinée, le grande maison, Radio Guinée, le plus grand du monde", comments. (Méndez)
9650	Apr3	0116	Radio Habana Cuba, SS, interview, fair //9535 good (Bernardini)
9664.9	Apr16	2119	R.Voz Missionária, Camboriú SC. Rlgs. propag., mx background. 35433 (CGS)
9664.91	Apr9	0019	Radio Voz Missionaria, Camboriu, Brazil, religious talks PP, great id, fair (Bernardini)
9730	Mar28	1503	KNLS. Fair in RU with (p) uplifting chat & KNLS' 'IS-y' tune as background fill. (Sheedy)
9760	Mar28	*1500-	KNLS. NF for A21 as of 28/3 per their website..CH ID, web info (www.smzg.org) & a somewhat better signal than 9730. (Sheedy)
9818.8	Apr10	1004	Radio 9 de Julho, Sao Paulo, religious songs and comments. Very weak. (Méndez).
9835	Apr4	0740	Sarawak FM, Kajang, Malaysian songs and comments. (Méndez)
11390	Apr5	*1600-	Marconi Radio International, *1600-1730*, tuning music, id. "Marconi Radio International", songs, comments, radio news "Panorama Onde Corte", songs, tuning music, identification and close. Better signal than in the morning. (Méndez)
11530	Apr6	0855	Radio Denge Welat, Maiac, Pridnestrovie, music, news in Kurdish, good (Bernardini)
11630	Apr5	0730	CNR 17, Lingshi Kazakh ann, local songs // 12055 (AP-DNK)
11645	Apr2	1715	Voice of Korea, Kuyang North Korea, usual songs, weak (Bernardini)
11720	Apr3	1850	Scandinavian Weekend Radio, Virrat, pop sons, id. at 1857 "Scandinavian Weekend Radio", comments. (Méndez)
11720	Apr3	1725	Scandinavian Weekend Radio, Virrat, songs, talks Finnish, fair with fading (Bernardini)
11735	Apr3	1750	Zanzibar Broadcasting Corporation, Dole, Swahili, comments. Very weak. (Méndez)
11769.89	Apr6	0803	Voice of Nigeria, Abuja, English (presumed!), poor with low modulation (Bernardini)
11769.9	Apr4	0637	Voice of Nigeria, Abuja Lugbe, Hausa, comments, mentioned "Nigeria", African songs, at 0700 "Radio Nigeria", Fulfulde language. (Méndez)
11770	Apr3	1511	VoNigeria. Fair in Swahili to 1530, then AR (but sounded more 'Hausa'-style), log drum/percussion bridge @ BOH & @ 1557 with EG & (P) AR ID @ TOH. (Sheedy)
11780	Apr8	1910	Radio Nacional da Amazonia, Brasilia, comments, songs. (Méndez).

11805	Apr2	1630	AWR, Trincomalee Sri Lanka, Pashto prg talks and songs, good (Bernardini)
11815	Apr10	0802	Radio Brasil Central, Goiania, Brazilian songs. (Méndez).
11815.1	Apr15	2207	R. Brasil Central, Goiânia GO. Natl. nx magazine A Voz do Brasil. Weak, poor quality audio. 25342 (CGS)
11815.1			R. Brasil Central, Goiânia GO, remains with a weak signal *and* a weak audio feed *or* weak modulation level. As far as I know, one can't really tell whether "low audio" stems from A) reduced audio level before it's fed to the tx site or B) it's actually a low modulation level (which is often applied to save components and reduce costs). (Carlos Gonçalves)
11835	Mar18	0637	R. Vanuatu, Vanuatu, Port Vila, Harmonic; slow pop music, male and female announcements, music. Poor, 3945 inaudible (LOB).
11860	Apr7	1215	Rep. Yemen Radio Sanaa, via Saudi Arabia, AA, songs, weak fair (Bernardini)
11885	Apr2	1636	Voice of Vietnam, Hanoi-Son Tay, Russian program, good (Bernardini)
11895.1	Apr15	2209	R.Boa Vontade, Pt.º Alegre RS. Natl. nx magazine A Voz do Brasil. 35342 (CGS)
11900	Apr7	1222	Reach Beyond Australia, Kununnurra Australia, Hindi service, talks, songs Fair (Bernardini)
11935	Apr3	*1725-	Vatican Radio, Santa Maria de Galeria, English, Easter Vigil. (Méndez)
12015	Apr2	1643	Voice of Korea, Kuyang North Korea, songs, mx, German, good (Bernardini)
13670	Apr5	0725	Xinjiang PBS, Urumqi Uighur discussion, time signal // 9560 (AP-DNK)
13685	Apr3	-1600*	CRI (Bamako). Weak but clear in EG //9675 [via Jinhua] 1544-1600*. (Sheedy)
13700	Apr5	0715	CNR 13, Lingshi Uighur talk, local music extracts // 15390 (AP-DNK)
15030	Apr7	1228	AIR, Bengaluru India, songs, talks Swahili, fair good (Bernardini)
15160	Apr9	0857	KBS World Radio, Kimjae South Korea, identification loop, start Korean, fair (Bernardini)
15190	Apr9	1650	Radio Inconfidencia, Belo Horizonte, Brazilian songs, at 1700 id. "Rede Inconfidencia de Radio", news. (Méndez).
15245	Apr6	0825	Voice of Korea, Kujang, North Korea, music, talks in Russian, weak (Bernardini)
15290	Apr6	0830	Radio Japan NHK WS, Issoudun, France, talks Japanese, jazz, fair (Bernardini)
15450	Apr11	0927	FEBC, Iba Philippines, loop id and start in Mongolian, fair (Bernardini)
15455	Apr6	0835	Radio France Int. Issoudun, talks in African language, fair (Bernardini)
15460	Apr3	1709	VOA Pinheira, afro mx talks in African lang. weak fair (Bernardini)
15475.98	Apr17	1437	RCUSB, tune-in via CX8BIT remote, LRA36 is on with music at S5-S6; weaker S3-S4 into Campo, Brasil, but better S/N so stay on it there: here`s one station not carrying Prince Philip`s funeral! 1440 OM ID as ``Nacional Antártida Argentina, en todo el país, la radio pública`` and music; 1451 same ID by YL; 1457 RNASG/LRA36 ID and talk, still past 1510; long chronology of scientific, literary events from at least 1945y onwards, a `this-day-in-history` feature? Little if anything to do with Antda. Why don`t they tell us about their scientific research, if any? Finally ID with e-mail, URL, FB contact info; and frequencies 15476, FM 96.7 at Esperanza Base. 1517 music; 1520 ID, music; 1523.5 another LRA36 ID, music past 1530. 1532 contact info again. 1534 a song. 1537.5 ID and talk, ID for 15476. 1538 re-start as if signing on in Spanish, German, English ---. Antártida song until 1542. 1550 different song, 1554.5 radio pública ID, etc., etc., more songs past 1612. 1630 contact info. 1633 about 1982 Malvinas war anniversary. Were Antarctic bases somehow involved? S Sandwiches were conquered and then lost. It lasted 10 weeks from 2 April, so we have 8 more weeks of commemoration? Lots more objective history here, including which side other countries supported: https://en.wikipedia.org/wiki/Falklands_War By 1640 it`s S1-S3 into Brasília #1 SDR, but quite readable, more Malvinas recollections. 1708 still going later than usual, contact info and 1711 closing with Antda song, ID to 1713 when it ``signs-on`` yet again in Spanish, German, English; and fourth language, maybe Russian but most of the bit is pronouncing the names in Spanish anyway. 1716 Antda song *again*, welcoming us to another Wednesday program in the 2021 series, and *again* going over the Malvinas war and its aftermath. Still2 going past 1745. BTW, I did not get it checked on Wed Apr 14 morning when LRA36 was probably on, but no other reports of it then (Glenn Hauser, OK, WOR)
15476U	Apr3	1444	LRA 36, Radio Nacional Arcángel San Gabriel, Base Esperanza, Spanish, female, comments, songs. Very weak to extremely weak, strong fading. (Méndez)
15500	Apr5	0705	China Business R, Beijing Chinese reports // 15270 and 15540 (AP-DNK)
15500	Apr7	1135	AWR Station KSDA, Agat Guam, talks in Asian language, fair (Bernardini)
15515	Apr6	0838	Radio Kuwait, Arabic talks, weak fair fading (Bernardini)
15540	Apr2	1650	Radio Kuwait, Hurdu program, songs news, very good (Bernardini)
15575	Apr4	0832	Vatican Radio, Santa Maria de Galeria, French, Easter Mass and Urbi et Orbi Blessing. (Méndez)
15580	Apr3	1706	VOA Mopeng Hill, Botswana, EE, talks about US politics, good (Bernardini)
15605	Apr11	1014	Radio Vaticana, S. Maria di Galeria, classical mx, fair //15575 (Bernardini)

15610 Apr7 1140 AWR Station KSDA, Agat Guam, talks in Asian lang. (reported Shan), fair good (Bernardini)
 15710 Apr5 0655 Voice of Shenzhou, Beijing Amoy ann, orchestra music, news // 11905 (AP-DNK)
 15770 Apr3 1703 Supreme Master TV, Okeechobee, FL USA, reports EE, fair (Bernardini)
 15790 Apr10 1245 World Music Radio, Randers, pop songs, id. "WMR, World Music Radio". (Méndez).
 15825 Apr3 1700 WWCN Nashville TN USA, talks EE, fair good (Bernardini)
 17580 Apr5 0645 Voice of China, Lingshi Chinese conversation, musical interlude // 15480, 15550, 17550 and 17605 (AP-DNK)

Pirate Stations

3935 Apr3 2104 R.Batavia - pir. Du, mx, tks. ID via DX press. 25342 (CG)
 4870 Apr2 2350 Radio Mystery 21, pirate, songs, fair (Bernardini)
 4870 Apr4 2115 Mystery R 21 - pir. G/E, pops, e-mail addr. anns. 35443 (CG)
 4875 Apr8 2235 Radio Mystery 21, pirate, songs, ids EE, fair (Bernardini)
 4895 Apr3 1820 Mike Radio, Heerde, pop songs. id. "Mike Radio", English, comments. (Méndez)
 5140 Apr16 2117 Charleston R Int'l - pir. Oldies. 35343 (CGS)
 6130 Apr11 0800 Radio Casanova Pirate Netherlands, songs, many ids also in Italian, Dutch, fair (Bernardini)
 6205 Apr2 0842 Radio Onda Corta Venezuela, Venezuela, El Tigre; latin music, morse code, male ID "ROCV", latin music selections. Poor, short times fair (LOB).
 6205 Apr7 0200 Tent. Radio Onda Corta Venezuela ? followed the carrier ,w which produced weak audio ..7 April (Wilkner)
 6205 Apr10 0612 R.O.C.V., El Tigre, Latin American songs, morse code, id. "Envie su informe.. a nuestro número de contacto..., somos R.O.C.V...". Extremely weak only audible at times on LSB. (Méndez)
 6270 Apr10 1831 Continental R - pir. Du/E, pops, tks. 35343 (CG)
 6285.4 Apr4 2131 R.Easter Bunny - pir. Songs. ID via DX press. 15341 (CG)
 6290 Apr16 1631 R.Pioneer - pir. Songs. ID via DX press. 15341 (CGS)
 6295 Apr10 1835 R.Cuckoo - pir. E, pops. 35343 (CG)
 6305.1 Apr9 2143 R.Merlin Int'l - pir. Pops. Occ. adj. uty. QRM. 25341 (CG)
 6925 Mar27 2350 Radio Compania Worldwide, Chile; seems football soccer match cover. Poor, fady, some enhancement over listening (LOB).
 6935 Mar31 2347 R. AD149 (T), Argentina; music. Poor; short listening, after few seconds turn silent (LOB).
 6950U Apr18 0243 Still a pirate here, sounds as strong as Wolverine, S9+20, same transmitter? These say Drunken DJ Radio took over at 0115 and posting requests here:
<https://www.hfunderground.com/board/index.php/topic,80432.15.html>
 0259 ID as Drunken DJ Radio, asking for requests, and refers to earlier Wolverine broadcast. Then ``8 Miles Hi`` by The Birds. BTW, this has a much better signal than Area 51 on WBCQ, q.v. at USA, and no RHC QRM! At 0307 I notice that switching to 6950-LSB, instead of zero, I get residual audio, only the bass-line of the music, rather than full fidelity on USB! Not sure if this be transmitter anomaly or receiver, but with straight-up passband equally between LSB and USB, and not noticed such on other SSB signals (Glenn Hauser, OK, WOR)
 6985 Apr11 2142 R.The Vault - pir. Pops. 35342 (CG)
 7330 Apr4 *1000- Radio Joystick, The Charlie-Prince Show, Moosbrunn, pop songs, German, comments, id. "The Charlie-Prince Show". (Méndez)
 7760.1 Apr10 1838 R.Jan van Gent (t) - pir. Pops. T-ID via DX press. 25331 (CG9)
 12255 Apr4 1837 Reflections Europe - pir. E, rlg. propag. pxs. // 6295. 25442 (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) Ron Howard, Asilomar State Beach, CA, USA, WOR/DXLD Mauno Ritola, Finland XM - Cedar Key - Florida Dan Sheedy, USA	(CG)/(CGS), Carlos Gonçalves, Lissabon, Portugal TB, Tomas Burian, Morava, Moravia Manuel Méndez, Lugo, Spain Russell Scotka - Connecticut (LOB) Lúcio Bobrowiec, Embu, SP, Brasil Robert Wilkner, Pompano Beach, South Florida Giampiero Bernardini, Milano
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Station news

ALASKA HAARP News.

National Science Foundation funds creation of research observatory at Gakona, Alaska.

April 6, 2021. A five-year, \$9.3 million National Science Foundation grant will allow the University of Alaska Fairbanks Geophysical Institute to establish a new research observatory dedicated to exploring Earth's upper atmosphere and geospace environment.

The Subauroral Geophysical Observatory for Space Physics and Radio Science will be housed at the High-frequency Active Auroral Research Program site in Gakona, Alaska.

<https://news.uaf.edu/national-science-foundation-funds-creation-of-research-observatory-at-gakona>

(Benn Kobb-USA <bkobb -at- ieee.org> via wor April 7)

(WORLDWIDE DX CLUB Top News #1462 April 13, 2021)

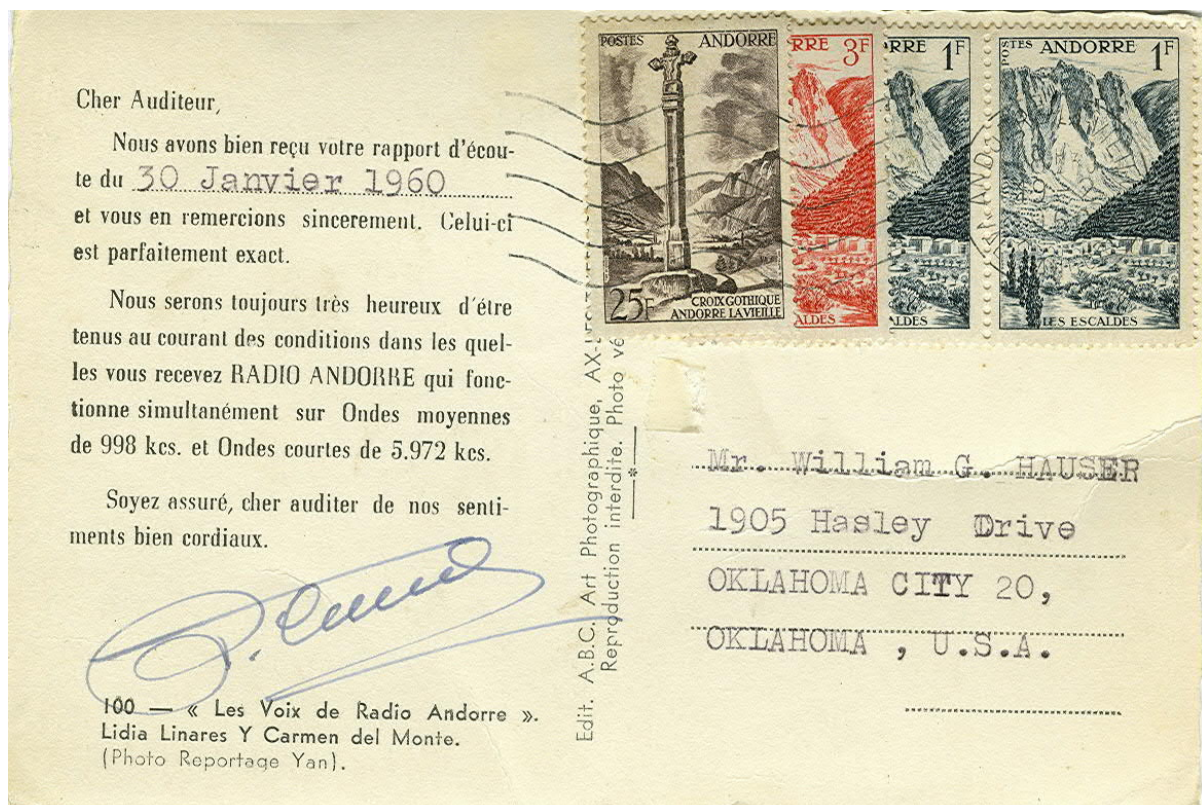
ANDORRA [non]. **6180 kHz**, April 12 at *1700, Moosbrunn on abruptly with anthem? by band, ID as R. Andorra in Spanish, rock music, French-speaking DJ. This is the much-publicized 40th anniversary salute to a long-gone SW station, arranged by Christian Milling of Germany's shortwaveservice, who informs the WOR iog:

``Special program announcement: As some of you know, the legendary Radio Andorra was taken off the air these days 40 years ago in 1981 by the government. Some programs that were prepared couldn't be aired, most of the material is lost. Luckily, the playlist of the last planned hit-parade from April, 12th 1981 survived, thus it was never broadcasted. 40 years later this will finally be done. Next Monday, April, 12th 2021 at 17 UTC, exact 40 years later we will complete history. The show will be hosted by a DJ that started his career in Radio Andorra end of the 1970s. The program will be in French and broadcasted via Moosbrunn on a steerable LogPer Antenna directed at 270° towards the centre of France. All French-speaking countries in Europe should be covered in good quality.``

VG S9+40 signal at UTwente, and assumed zero signal direct at midday here. This is to last 3 or maybe 4 hours today. 1741-1751 pause for interview about the DJ and his subsequent career. Could not catch his name, which was mentioned only once in advance discussion I have not yet relocated.

There really should be some Catalan if not Spanish, English. Here's some Catalan with the playlist of 50+ songs, found by roger: <https://www.bondia.ad/cultura/ultim-hit-parade-de-radio-andorra>

My 1960 QSL card for R. Andorra, 5972, can be viewed, #14 & 15 at <http://www.worldofradio.com/QSL.html> (Glenn Hauser, HBD 76, OK, WOR)



ANDORRA [non]. 6180, R. Andorra tribute special via AUSTRIA, continued from previous report starting at *1700 April 12:

Mostly unfamiliar pop songs in French, obviously from the 70s/80s. The playlist includes half a dozen in English by big names, which I never catch except for one I don't recognize either, checking in occasionally from 1730 to 2030. Also some long segments interviewing DJ. Apparently a count-up rather than count-down, spoiler alert! Plays leading songs in the Top 50 at first, and by 2000 UT working down into the 40s, heading toward finale by 2045. At 2037, just in case, I check it direct to here, but still too early, no signal (Glenn Hauser, OK, WOR)

CUBA. Radio Habana Cuba on 6000 kHz (Communist Party Congress and Station 60th Anniversary) Recorded 6000 kHz today (17 April) starting around 01:50 UTC. Good signal into NB but a little hummy and inconsistent modulation. Continuous repeat hourly broadcasts until sign-off at about 06:02 UTC. Special programming on the occasion of the Cuban Communist Party Congress during which Raúl Castro has announced he is stepping down as first secretary. It was also mentioned during the program that today was the 60th anniversary of the existence of Radio Habana, which started broadcasting on 16 April 1961 and was mentioned in a speech by Fidel Castro on 17 April 1961. The station was officially launched on 1 May 1961. The transmitter came back on today at about 11:00 UTC in Spanish.

(Richard Langley via WOR)

Other radio news

[Spaceweather.com](#)

Solar Maximum might arrive sooner than expected. Recent sunspot counts suggest that new Solar Cycle 25 is over-performing compared to official forecasts, and could peak in 2024 instead of 2025.

See full story here: <https://spaceweatherarchive.com/2021/04/17/solar-cycle-update-2/>

(Mike Terry in *WOR groups.io* (2021-04-17))

The media corporation Radio Free Europe / Radio Liberty (RFE / RL, recognized as a foreign agent on the territory of the Russian Federation) within 60 days must pay in the amount of 5.5 million rubles in fines for the lack of marking "foreign agent" on its resources.

The Tverskoy District Court of Moscow ruled to dismiss the newspaper's complaint. The judgment of the magistrate on fines remained in force.

Roskomnadzor Telegram-channel clarifies: "According to the law "On Mass Media" (Art. 25.1), materials from foreign media performing the functions of a foreign agent must be distributed on the territory of Russia with the appropriate labeling. This provision is intended to inform the Russian reader that the materials distributed by these media pursue the interests of other states."

And we remind you that you can check the status of an organization or media for "foreign agency" using a bot in Telegram from the team of the Between the Lines publication from Nizhny Tagil.

Lenizdat.ru

(<https://www.radiportal.ru/news/mediapravo/sud-vynes-pervoe-reshenie-o-shtrafah-za-otsutstvie-markirovki-na-saytah-smi-inoagentov>)

(RUS-DX #1129)

Cartoon "The Mole and the Transistor" (Der maulwurf und das radio).

Video: 8:10: https://vk.com/radioreceiver?z=video-163779953_456241389%2Ffa8507eae4861dce7%2Fpl_wall_-163779953 (<https://vk.com/radioreceiver>)

(RUS-DX #1129)

Mass media Interesting material "Russian radio stations talked about broadcasting in the era of COVID-19" In Russian. Posted on the RIA Novosti website: <https://ria.ru/20210212/radio-1597158904.html>.

(<http://www.radio.ru/>)

(RUS-DX #1129)

The history of amateur radio in space.

The desire to conduct a QSO with a man in space arose among radio amateurs probably even at the moment when manned spacecraft themselves appeared in orbit ...

Details in Russian - <http://cqmrk.ru/news/1245.html>

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

(RUS-DX #1129)

Why did they lie about the true purpose of Gagarin's radio receiver on a nuclear battery.

All the same, what kind of unique technique was not made in the USSR. Introducing a broadcast radio with an everlasting nuclear battery. The radio receiver was developed in 1957 for the Vostok-1 spacecraft, on which Yu.A. Gagarin in 1961. The radio has three bands: medium-wave (MW) and two short-wave (HF). The circuit is made according to the classic superheterodyne circuit ...

Details in Russian - <https://vk.com/@radioreceiver-pochemu-vrali-pro-istinnoe-naznachenie-radiopriemnika-gagari>
(<https://vk.com/radioreceiver>)

(RUS-DX #1129)

Re: [nordx] Radiomuseum rond välkomna!

Låt oss ta denna Motala video från början ... <https://www.youtube.com/watch?v=XTpUgDb5TIw>

<https://www.youtube.com/watch?v=IXTop9G9uWU&t=>

Helt hisnande att Motala radiostation snart med sina 100 år väcker upp ännu år 2021 debatt, storslaget! Tack till debattörerna. Annars har jag skickat den färskaste videon om Motala som ett bra exempel till Lahtis radiomuseum Mastola med fotnot om sakkunniges förord ifall dom kommer att planera nya videomaterial för youtube.

Radio Kurier liksom Radiomaailma publicerade mina memoar artiklar om bombningar av Lahtis LV station år 1940 och därflytande bortfall av sändningar under 10 dagar från etern. Då kom Motala till undsättning genom att leverera snabbt 8 liknande radiorör till Lahtis och Lahtis radio klarade sig! Det är en förbluffande historia! Vi Lahtisbor tackar er ännu en gång för den osjälviska viljan att hjälpa oss i en stor nöd. Episoden skulle förtjäna enl min uppfattning ett minnesmärke någonstans där på radiobacke!

(Kari Kallio via NORDX)

Jag sitter och läser gamla artiklar om Motala långväg ikväll.

Vid Motala / Orlunda var antennströmmen till centrummasten 180 grader fasförskjuten gentemot ringmasterna. Sen störtade centrummasten under ett åskoväder i juli 1970. Blixten slog ned i masten, satte fyr på en av de oljefyllda stagsisolatorerna vilket fick staglinan av gå av och masten störtade. Man kan fortfarande se kretor i betongmuren som omgärdade centrummasten. Där masten slog i backen växer det ingenting. Isolatorerna ska inte ha innehållit PCB-haltig olja.

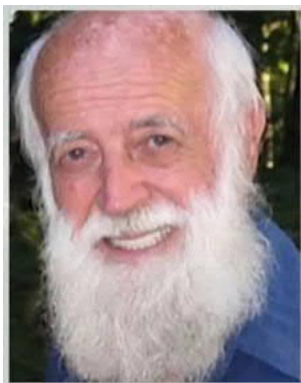
Av vilka orsaker valde man att förskjuta antennströmmen och hur gick det rent praktisk till?

Här är en hemkörd film från mitt besök i Orlunda i augusti 2013. Tyvärr finns inte Ragnar Gustafsson med oss längre. Ragnar gick bort 2017.

<https://www.youtube.com/watch?v=JSLa48GWLco>

(sm6vpu, c. stöberg via NORDX)

[HCDX] Colleton County pastor Ralph Stair dies



USA Brother Stair silent key.

<https://www.live5news.com/2021/04/04/colleton-county-pastor-ralph-stair-dies/>

(Dan Robinson-CA-USA, wor April 4)

7730 kHz, April 5 at 0100 UT, right after World of Radio on WRMI, Overcomer Ministry announces death of Brother Stair on April 3.

It's also on TOM website, and we have stories from Charleston TV stations, forwarded by several DXers:

Ralph Stair, Colleton County preacher accused of sex crimes, passes away by Matt Dillane Sunday, April 4th 2021

<https://abcnews4.com/news/crime-news/ralph-stair-colleton-county-preacher-accused-of-sex-crimes-passes-away>

How would you like your obit to be about your sex crimes? Or merely connected to some unknown county rather than worldwide impact as the Last Day Prophet of God? I'm sure we've not heard the last of BS most of his 24/7hrs/d stuff was already playbacks, sometimes decades old.

As long as deluded psychopaths keep the \$\$\$ flowing, he may live forever like PPP, DGS and other broadcast gospel huxters. Stations subsisting on that cash may be nervous and in for cutbacks - WRMI, WWCR, WBCQ. TOM homepage lost its signature image of a boneyard years ago.

(Glenn Hauser-OK-USA, hcdx and wor April 4 - 5)

He was an older man, so it was inevitable. The question is how long will his reruns continue on WRMI and elsewhere, and what happens when that money runs out to those stations (especially WRMI and WBCQ)?

(Walt Salmaniw-BC-CAN wor April 5)

RAMADAN. Here is an additional information from our news editor Walter Eibl, DXM:

In 2021 Ramadan starts in the evening of April 12 and will end on May 11 2021 in the evening. The traditional muslim event depends on the moon calendar, therefore the date will differ each year.

During Ramadan most shortwave services in islamic countries will broadcast with extended schedules having some rare catches of those stations. Best wishes and good DX until May,
(Michael Bethge WWDXC, April 12) (via BC-DX)

Actually on shortwave those special transmissions are very rare, any others than Iran?

But on mediumwave there are some interesting cases like Radio Thailand 891 kHz is running islamic programming over-night and National Radio of Kampuchea started already at 2000 yesterday. I wonder if this is something new?
(Mauno Ritola via WOR)

Moslems in Cambodia? About 2% of the population. Also found this: <https://www.aljazeera.com/news/2015/11/19/the-question-of-genocide-and-cambodias-muslims>

(Glenn Hauser via WOR)

And only 5 % in Thailand.

(Mauno Ritola via WOR)

But extremely concentrated on the border of Thailand - to the Malaysia Muslim country, between Phuket and Penang, living.

(Wolfgang Büschel via WOR)

Review – Tecsun PL-330 with Craig Seager and Phil Ireland



The travel portable segment is quite competitive, with several models vying for supremacy from the likes of Sangean, Eton, XHData and Tecsun. Back in the 70's, 80's and 90's, Dxers (and casual listeners) would have relished the opportunity to carry around sets with the compact form factor of today's offerings, which often boast DSP technology and multiple bandwidths. Whilst it has to be said that there is sometimes variability in the performance in different examples of modern Chinese manufactured radios, there is absolutely no doubt that many are well kitted out, and provide a complete solution to those of us who desire a lightweight addition to check-in luggage when travelling domestically, or overseas (as we will once again, post-Covid).

Enter stage left the Tecsun PL-330, a PLL DSP multiband receiver with SSB and synchronous detection, at moderate cost. Myself and

Phil Ireland put one of these through its paces recently, courtesy of member Gary Cratt, proprietor of the local importer, Tecsun Radio Australia. Our impressions follow. Let's start with the positives:

- Sensitive on most bands except LW (see CON) ➤ Good selectivity via the various DSP bandwidths available
- Numerous functions available for the user (timers, alarms, memories etc;)
- FM stereo only available through the headphones so no degradation of FM sensitivity via internal speaker as FM is mono only.
- ETM feature makes storing available stations easy and allowing easy access to stored stations.
- Charging of internal battery via USB input ➤ SSB available (selectable) ➤ SYNCH detector available which works despite some degradation of audio ➤ Display bright and easy to read.

Some Cons:

- Reasonably flimsy case, most flimsy of the radios compared and the volume control and rotary tuning control feels flimsy ➤ Poor sensitivity on LW, common to many small portable receivers ➤ Some audio degradation when in SYNCH and SSB however a VAST improvement to the poorly implemented SYNCH on the PL-880 ➤ Audio through the internal speaker is somewhat tinny but still quite listenable.
- Signal strength display, typical of recent Tecsun models, may not meet with approval of everyone.
- Fairly short telescopic antenna for SW
- SSB needs to be calibrated (as does SYNCH) as there is a large discrepancy in frequency when on LSB. USB is ok. May be particular to the example reviewed ➤ No back stand but the radio does sit upright well.
- A noticeable amount of soft muting apparent which unfortunately cannot be turned

Some Features:

Synchronous detection & SSB
SSB (USB / LSB) fine tuning steps at 10 Hz
ETM+(Createtime-specific memories for LW/MW/SW)
Antenna socket (3.5mm) for FM / SW
FM stereo / mono selection

Alarm by radio
Snooze function –5 minutes
Sleep timer from 1 -120 minutes
LCD backlight (always-on or auto-off)

AM bandwidth settings: LW/MW: 2.5, 3.5, and 9.0 kHz; SW: 2.5, 3.5, 5.0 kHz; SSB: 0.5, 1.2, 2.2, 3.0 and 4.0 kHz
Frequency Range: FM: 64–108 MHz; MW: 520–1710 kHz; WW: 1711 kHz to 29999 kHz

Tuning is via direct keypad entry, auto scan, manual dial tuning or recall from some 850 memory positions. In keeping with other Tecsun models, there is a USB charging system for the in built lithium (Li-ion) battery

In summary, the PL-330 packs in a lot of features into a small space, and many will find that it does enough for their needs, and won't spend the extra for the larger PL-880 or PL-990 (see review last ADXN). There is a lot to like in this set, and it is a worthy upgrade to the earlier PL-310. The ARDXC thanks Tecsun Radio Australia

(<https://www.tecsunradios.com.au>) for the opportunity to put this release under the microscope.

SPECIFICATIONS

Sensitivity:	Selectivity:	IF Frequency (DSP):
FM (S / N = 30dB) < 3uV	FM > 60dB	AM: 45 kHz
MW (S / N = 26dB) < 1mV/m	MW / LW > 60dB	FM: 128 kHz
LW (S / N = 26dB) < 10mV/m	SW > 60dB	FM Stereo Crosstalk: 35dB
SW (S / N = 26dB) < 20uV	SYNC lock range: +/-1 kHz	Output Power: Approx. 200mW
		Unit size 139 x 85 x 26 mm (W x H x D)

(April Australian DX News via WOR)

European, Private Shortwave Stations

Stand: April 1st 2021

Only legal stations are included. Most stations use 100 – 3000 Watts of power. Note that UTC is used here – not CET/CEST!

D = Germany, DNK = Denmark, FIN = Finland, NL = Netherlands, NOR = Norway

Abbreviations used: Irr. = irregular, F.pl.: future plan

Mo = Monday, Tu = Tuesday, We = Wednesday, Th = Thursday, Fr = Friday, Sa = Saturday, Su = Sunday

3920	<u>NL Radio Piepzender Zwolle</u> Weekends (1600-2400)	6115	<u>D Radio SE-TA 2 Hartenstein</u> ?
3940	<u>NL Mike Radio Heerde</u> ? (1600-2300)	6140	<u>NL Radio Onda, Belgium Borculo, NL</u> Weekends only. F.pl.: Daily 0630-1900
3955	<u>D Radio Channel 292 Rohrbach Waal</u> 24/7	6150	<u>D Europa 24 Datteln</u> Daily 0700-1700
3975	<u>D Shortwaveservice Kall-Krekel</u> Daily 1500-2300	6160	<u>D Shortwave Radio Winsen</u> Daily 0800-1600
3985	<u>D Shortwaveservice Kall-Krekel</u> Daily 1400-2200	6170	<u>FIN Scandinavian Weekend Radio Virrat</u> 1 st Sa of the month (not in May)
3995	<u>D HCJB Weenermoor</u> 24/7	6195	<u>NL Mike Radio Heerde</u> ? (Su 0600-1300)
4895	<u>NL Mike Radio Heerde</u> ? (1600-2300)	7365	<u>D HCJB Weenermoor</u> ? (0800-1300)
5895	<u>NOR Radio Northern Star Bergen</u> Daily 0329-2210	7440	<u>NL Radio Piepzender Zwolle</u> Alternative to 5940 kHz
5920	<u>D HCJB Weenermoor</u> Daily 0600-1600	9670	<u>D Radio Channel 292 Rohrbach Waal</u> F.pl.: 24/7 from April
5940	<u>NL Radio Piepzender Zwolle</u> Testing	11690	<u>FIN Scandinavian Weekend Radio Virrat</u> 1 st Sa of the month (not in May)
5970	<u>DNK Radio208 Hvidovre</u> 24/7	11720	<u>FIN Scandinavian Weekend Radio Virrat</u> 1 st Sa of the month (not in May)
5980	<u>DNK Radio OZ-Viola Hillerød</u> We 2100-2200, Sa-Su 1100-1300	15505	<u>NL Radio Piepzender Zwolle</u> Weekends
5980	<u>FIN Scandinavien Weekend Radio Virrat</u> 1 st Sa of the month (not in May)	15790	<u>DNK World Music Radio Randers</u> Sa-Su 0700-2000 + irr. at other times
6005	<u>D Shortwaveservice Kall-Krekel</u> Daily 0800-1600	25770	<u>DNK World Music Radio Maarslet</u> F.pl. from April or May – 24/7
6005	<u>NL Radio Delta International Elburg</u> Testing		
6020	<u>NL Radio Delta International Elburg</u> Sa 0900-1300 & Su 0600-1700		
6070	<u>D Radio Channel 292 Rohrbach Waal</u> 24/7		
6085	<u>D Shortwaveservice Kall-Krekel</u> Daily 0700-1700 (Radio Mi-Amigo Int.)		

This list is compiled by Stig Hartvig Nielsen (shn@wmr.dk) each first day of the month – and is based on details supplied by the various radio stations, the stations websites, monitoring observations and HFCC registrations. The list is not copyrighted and may be published everywhere. Next list will be published on May 1st 2021.

Trends in tropical bands broadcasting 2021 by Anker Petersen

Since the Danish Short Wave Club International published the first annual Tropical Bands Survey in 1973, I have registered which stations are active, based upon loggings from our members and other DX-ers around the world. Here is an updated status where Clandestine and Pirate stations are not included.

Active domestic transmitters on 2200 – 5800 kHz

Region	1973	1985	1997	2009	2021
Central Africa	102	76	40	18	3
Southern Africa	57	39	33	20	5
Middle East	9	4	1	0	0
Indian Subcontinent	62	45	45	29	5
South East Asia	40	29	21	4	1
Indonesia	171	105	65	13	2
China, Taiwan, Mongolia	119	110	75	32	17
CIS (former USSR)	61	59	47	7	4
Far East	38	28	28	9	6
Papua New Guinea	17	20	20	15	2
Australia and other Pacific	10	4	13	8	6
Central America, Mexico	21	23	24	5	1
Caribbean	29	3	3	2	3
Northwestern South America	98	41	19	3	1
Ecuador	47	33	22	5	0
Peru	78	69	78	28	7
Bolivia	35	42	25	14	1
Brazil	107	87	67	35	10
Southern South America	5	2	1	0	1
Total	1106	819	627	247	74

During the past year the previous trend, that Tropical stations slowly disappear, continued throughout the world with a loss of about 10 stations. Several All India Radio stations have closed down. A year ago the Total was 84. The reason is, that other media get higher priority, than keeping elderly Shortwave transmitters alive.

Here are some of the stations on the Tropical Bands, which have closed down during year 2020:

kHz	kW	Station	Country	Last log
2850	50	KCBS	Pyongyang Korea, North	APR20
3265	50	WBCQ	Monticello, Maine U.S.A.	MAY20
3365	1	R Cultura	Araraquare, SP Brazil	MAR20
4800	50	AIR	Hyderabad India	OCT20
4810	50	AIR	Bhopal India	OCT20
4910	50	AIR	Jaipur India	OCT20
4920	50	AIR	Chennai India	OCT20
5010	50	AIR	Thiruvananthapuram India	OCT20
5045	0,1	Unique R	Gunnedah, NSW Australia	APR20
5050	4,5	AIR	Aizawal India	JAN20
5130	50	WBCQ	Monticello, Maine U.S.A.	SEP20

Below you will find a typical page from DSWCI Tropical Bands Survey in 1974, covering 3204-3235 kHz. At that time there were many more stations on these bands !

A	3204	10	Ibadan, Nigeria	0430-0730 1425-2305
A	3205	10	AIR Lucknow, India	0025-0215 1130-1734
A	3205	10	RRI Bandung, Indonesia	2300-0100(Su 0800) 1000-1600
	3205	2	Vanimo, Papua New Guinea	not yet started
A	3210	25	RCM Lour. Marques, Mozambique	Prgr. A in P: 1630-2215
C	3210	1.5	ORTF St. Denis, Reunion	0230(Su 0300)-1900 // 4807
D	3210	2	Ministry of Education, Bangkok,	1030-1300 // 6062 r 1600, not r Thailand since Nov 73
B	3212		Hanoi, North Vietnam	r 1505-1515 E nx // 10040 HS r 1130-1300
D	3213		R Valera, Venezuela	r 1111
B	3214	0.3	RRI Ujung Pandang, Indonesia	2200-0100 0800-1515
A	3215	1	Ondas Panamericanas, Venezuela	1000-0400v
A	3216	0.5	R Libertad, Dominican Rep.	W 1100v-0300v // 750. Off Su
B	3218	0.3	RCM Quelimano, Mozambique	P 1500-2100
BS	3220	20/120	R Peking, China HS 1:	Oct-Apr 1900-2340 1118-1735
A	3220	2	R Morobe, Papua New Guinea	Distr. Sce: 2000-2200 0630(Sa/Su 0600)-1300
B	3220	0.5	Voz de la Peninsula, Ecuador	1400-0415, r 0620
	3222	50	Lama-Kara, Togo	Morning & Evening. Not yet started.

	3223		Swazi Music R, Swaziland Future fq with high power transmitter.
A	3223	2.5	AIR Simla, India 0030-0200 1300-1730
A	3223	1/5	RRI Mataram, Indonesia 5 kW: 0900-1530v, 1 kW: Local brc. 0600-0900
D	3223	0.075	R Ramaco, Indonesia
D	3223	0.075	R Kayu Manis, Indonesia
C	3223	4	Papeete, Tahiti W 0300-0700 1600-2330(Sa 0700) Su 1800-0700
A	3225	1	R Occidente, Venezuela 1030v-0200v, r-0407
D	3226	1	Voz de la Libertad, Dominican Rep. 1000-0400 (n 3205) // 1240//6190, also ID: "Emissora Tropical"
A	3227	10	ELWA, Liberia Vernacular HS: 0600-0800 1800-2200
B	3230	10	BCC Taipei, Taiwan r 1000-2200 (to Chinese Mainland, jammed)
B	3230	1	El Sol de los Andes, Peru 1000-0500, also ID: "R Juliaca"
A	3232	4	R TV Congolaise, Congo 0430-2300 // 4765, r-2330
B	3232	30	Tananarivo, Malagasy Rep. HS1 (Malgache): 0230(Su 0300)-0500 1430-1930(Sa 2100)
C	3232	1	RRI Bukittinggi, Indonesia Su 0315-0615, D 0800-1000
B	3235	10	RCM Beira, Mozambique 1530-1830 Xissena

(Anker Petersen)

[WOR] Emisiones clandestinas hacia Cuba



Emisiones clandestinas hacia Cuba, historia y actualidad --- por Kmilo Noa

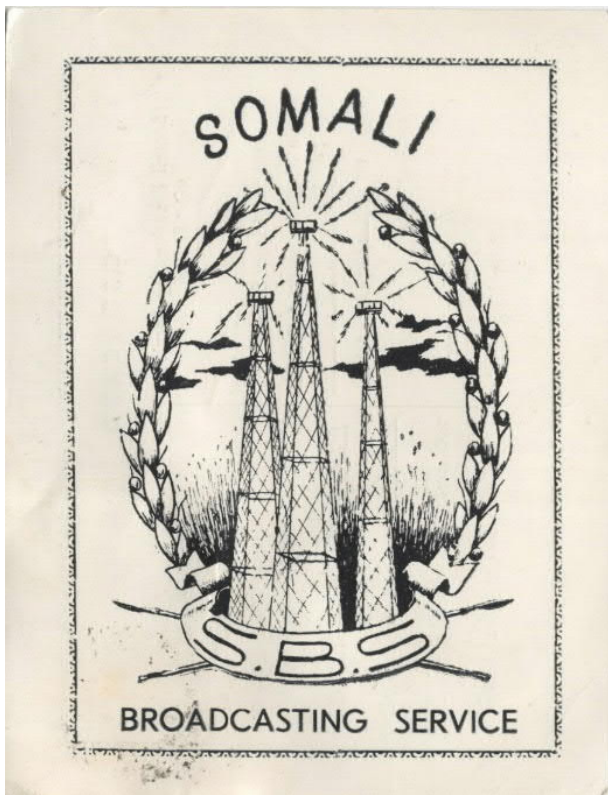
Camilo Noa Rodríguez, en su blog Kmilo Noa, publica un interesante artículo sobre el tema de emisiones clandestinas hacia Cuba.

Aconsejamos su lectura en la página web que se especifica <https://laletrak.medium.com/emisiones-clandestinas-hacia-cuba-historia-y-actualidad-3765c10601ec>

(via El Dial, AER)

(via WOR)

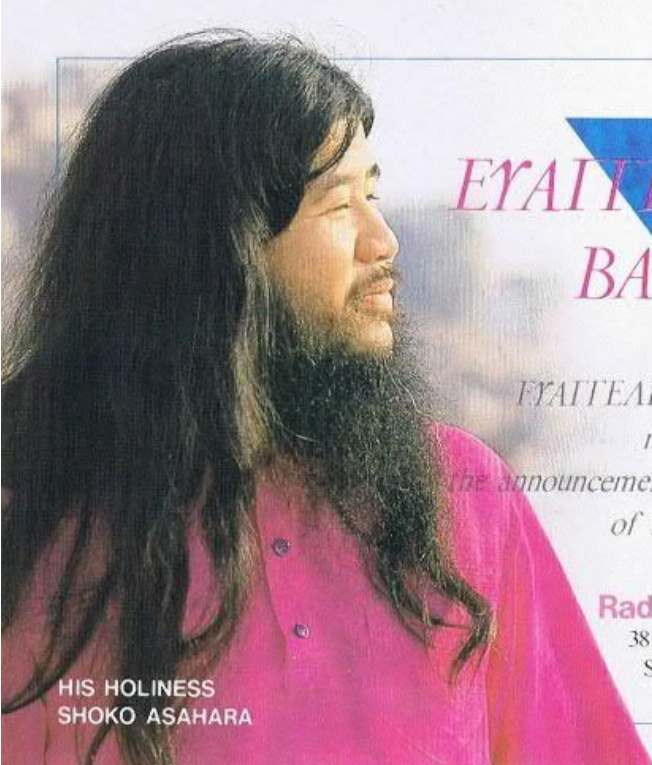
Vintage QSL card Radio Somalia, 1965



QSL card Radio Tanger, Tangier, Spanish Morocco,



Another QSL from Kanwar. Radio Aum Shinrikyo was the voice of the Japanese doomsday cult Aum Shinrikyo. Its leader Shoko Asahara was sentenced to death on account of masterminding the sarin-gas attack on the Tokyo subway in 1994 and he was executed by hanging in 2016. He wrote several books and they were often sent to listeners together with the QSLs.



**ΕΥΑΓΓΕΛΙΟΝ ΤΗΣ
ΒΑΣΙΛΕΙΑΣ**

ΕΥΑΓΓΕΛΙΟΝ ΤΗΣ ΒΑΣΙΛΕΙΑΣ
means in Greek
"the announcement of the absolute truth (gospel)
of the Holy Heaven".

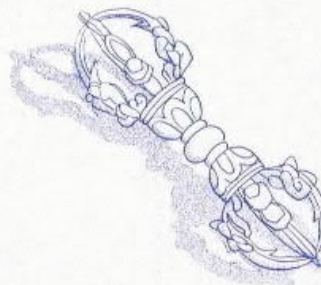
Radio Aum Shinrikyo
381-1 Hitoana, Fujinomiya,
Shizuoka 418-01 Japan

HIS HOLINESS
SHOKO ASAHARA

VERIFICATION CARD

Thank you for your response.

Stay tuned in to the Truth!



ΕΥΑΓΓΕΛΙΟΝ
ΤΗΣ
ΒΑΣΙΛΕΙΑΣ

To: KANWAR SANDHU

Date: 20. July, 1993

English program (UTC)

04:30~05:00 & 20:30~21:00

Frequency: 21615 KHz

Many Scandinavian DX clubs carried special programmes over OTC in the then Belgian Congo and here is a QSL card from Norbergs Kortvågsklubb (Norbergs Shortwave Club) for a programme on January 10, 1951. The card was received by Ullmar Quick UQ and scanned by John Ekwall JOE.



Vi har härmed nöjet tacka för en korrekt rapport rörande ett specialprogram för Norbergs kortvågsklubb den 10 januari 1951 från

OTC2

The International Goodwill Station i Leopoldville, Belgiska Kongo, kl. 20.25—20.55 svensk tid på 9767 kc/s = 30,71 m.

Med hälsning från
"hjärtat av Järnbäraland"



NORBERGS KORTVÅGSKLUBB

Mellan hundraåriga gårdar som speglar sig i åns vatten skjuter tempelspiran mot skyn


UNO JOHANSONS TR. NORBERG 3 51

Below a QSL card from Christian station ELWA in Liberia. It commenced broadcasting in 1951 and the call letters stands for "Eternal Love Winning Africa". From the collection of Lars Rydén LR.

• TO MAKE CHRIST KNOWN TO AFRICA •

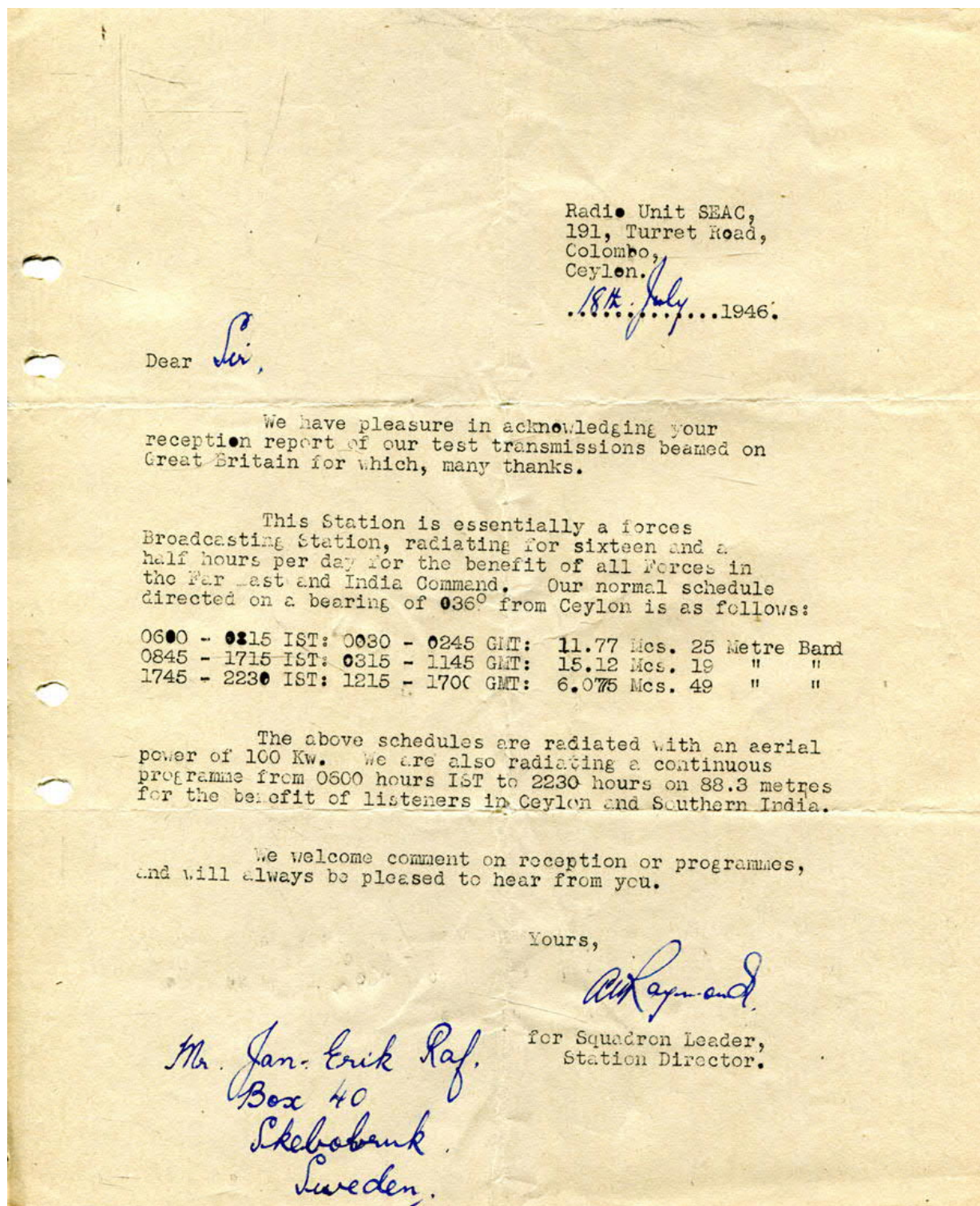
ELWA

QSL on 15.085 mcs, at 2210 GMT
on January 22, 1961
Remarks Tnx for the report and
souvenir.



BOX 192 • MONROVIA LIBERIA • SUDAN INTERIOR MISSION

At last a real oldie from the collection of Jan-Erik Räf JER: Radio Unit SEAC from 1946. Radio SEAC was operated by the Allied South East Asia Command that took over the operations of Colombo Radio. Radio programmes were broadcast across Asia to the allied forces and to the people of India and South Asia. After the war the station was handed back to the government and became Radio Ceylon.



Your contributions are always welcome – just mail me at info @ rock.x.se.