

# SHORTWAVE BULLETIN

Issue no. 1975, May 2, 2021

Deadline e-mail next issue: 0800 UTC, May 16, 2021

A very huge log in this issue thanks to a lot of activity on the bands.

When reading various sources on the web I found a mysterious French manufacturer of communication receivers. I have never heard of this brand. I'm quite interested in old boat anchors and copied a little information about three of their production.

A lot of these old receivers end up at collectors and many have a high price.

My old R390A stands on the desk but is unfortunately never used. The modern SDR's are so easy to use and in most cases outperform the old receivers.

In latest issue of Asian DX Review there was an article by Jose Jacob about AIR Panaji which I got permission to use here in SWB. As it seems AIR on shortwave and especially on the tropical bands may be history within a few years.

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. 6180, Radio Andorra Tribute via Moosbrunn**, 12th April transmission, 1700 UTC, received partial data eQSL, PDF format, in six days. Email address for reception reports: [christian.milling@shortwaveservice.com](mailto:christian.milling@shortwaveservice.com)  
[printz@aquiradioandorra.com](mailto:printz@aquiradioandorra.com)

**6298, Radio Igloo** and the Westcoast DX-Club of Sweden transmission, 1900-1932, 23-04. Received eQSL in three days. Reception report sent to: [radioigloo@gmail.com](mailto:radioigloo@gmail.com) \_ Hard-Core-DX mailing list [Hard-Core-DX@hard-core-dx.com](mailto:Hard-Core-DX@hard-core-dx.com)  
<http://montreal.kotalampi.com/mailman/listinfo/hard-core-dx> <http://www.hard-core-dx.com/>

**15476, LRA 36, Radio Nacional Arcángel San Gabriel**, Base Esperanza, program "El Lejano Sur", 1412-1650 UTC, 24-03, received email with eQSL en 25 days. In the email they added the names of the LRA 36 team for the 2021 year:

"BUENOS DIAS NOS COMPLACE SU ESCUCHA SALUDOS

EQUIPO DE ESTA DOTACION:  
OPERACION TECNICA: SARGENTO ALEJANDRO CAMINO  
LOCUTORA: TENIENTE PRIMERO ESTEFANIA PEREZ  
LOCUTOR: CAPITAN MAXIMILIANO LUNA  
DIRECTOR DE LA RADIO: TENIENTE CORONEL DARIO LUCERO

ESTAMOS AL AIRE LOS MISMOS DIA Y HORARIO DEL AÑO PSADO DESDE YA MUCHAS GRACIAS. "

Reception report sent to: [esperanzalra36@radionacional.gov.ar](mailto:esperanzalra36@radionacional.gov.ar)



**LRA 36 RADIO NACIONAL**  
**Arcángel San Gabriel**  
**Base Esperanza Antártida Argentina**  
**Lat 63° 24' SUR - Long 56° 59' Oeste**  
**Transmisión Especial OC - AM**  
**En 15.476 Khz Banda Lateral SUPERIOR " USB "**  
**Banda 19 Mts / RECEPTOR COLLINS HF 80**  
**300 W En ANTENA RÓMBICA**

**Nueva Dotación**  
**2021**  
**Confirmamos su reporte de Recepción (SWL) a :**

Manuel Méndez      España      24      De marzo      del 2021

**La Estación**      **Pais**      **Gracias por Su Sintonia !!!**



Teniente Coronel  
Gustavo Darío Lucero



Dño Luzabc

**Christer Brunström: Radio Igloo 6300 kHz** eQSL confirming reception of a special broadcast spotlighting the West Coast DX Club in Gothenburg.

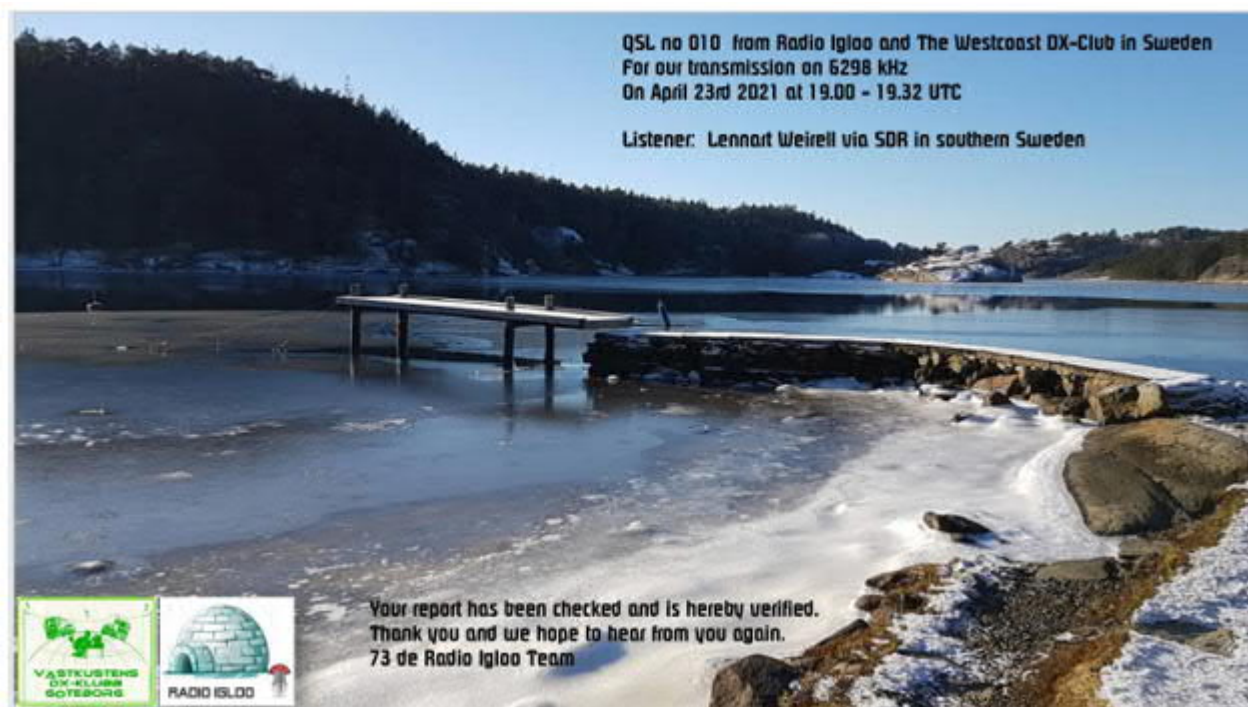
**Anker Petersen.** Xizang PBS, Tibet, has closed most of its shortwave transmitters, probably for the usual spring maintenance.

Thus the Chinese programme on 4820, 5935, 6050 and 7240 kHz is OFF, but can still be heard on 7450 kHz.

The Tibetan programme on 4905, 4920, 6110, 6130 kHz is also OFF, but I heard it today via New Delhi SDR in India at 0815-0830 on 9580 // weaker 9490 kHz. This was first reported by Ron Howard yesterday.

**Robert Wilkner.** The Mosquito Coast, 1 May 2021. "Some improvement in signals to Pompano Beach. Using one new antenna."

**Lennart Weirell:** Ett QSL att rapportera: **R Igloo & Westcoast DX-Club - 6298** e-kort 2 d



### Göte Johanssons QSL-samling

Göte Johansson från Kungälv var på sin tid en av Sveriges mest kända DX-are med Brasilien på kortvåg som specialitet. När han för många år sedan gick bort var vi nog många som fick intrycket att hans stora QSL-samling hade förpackats till närmaste skrotcontainer.

Men så var uppenbarligen inte fallet. Auktionsföretaget Göta Frimärken ([www.gotafrimarken.se](http://www.gotafrimarken.se)) har i sin kommande kvalitetsauktion den 17 maj 2021 ett objekt som uppenbarligen består av Göte Johanssons QSL-samling. Den omfattar enligt beskrivningen av 23 pärmar med QSL-kort, brev, mm. Av bilderna framgår tydligt att brev är adresserade till just Göte Johansson.

Samlingen har nummer 124 i auktionen och startpriset är mycket måttliga 1 500:-.

Man kan bara hoppas att det finns någon intresserad DX-are som vill bevara denna tämligen unika QSL-samling som vi nog alla trott hade gått upp i rök för länge sedan.

(Christer Brunström)

## Log

(UTC)

2598u	Apr18	0010	VON, St. John's , Newfoundland clear signal with om wx nx (Wilkner)
3215	Apr17	0346	WWCR, Nashville TN USA, talks EE, weak fair (Bernardini)
3310	Apr21	0015	R Mosoj Chaski, Cotapachi Spanish religious talk 25232 (AP-DNK)
3310	Apr21	2248	R. Mosoj Chaski, Cochabamba. Quechua, tks. 35332 (CGS)
3310	Apr18	0005	Radio Mosoj Chaski, Cochabamba , weak signal at times (Wilkner)
3310	May2	0138	Radio Mosoj Chaski, Cotapachi, Bolivian songs, Quechua, comments, id. "Radio Mosoj Chaski, ... Cochabamba, Boliva, 3310 kHz onda corta...". (Méndez)

3320	Apr24	1055	Pyongyang Broadcasting Station (PBS), presumed, only a carrier but first thing here in a long time (XM)
3330U	Apr18	0007	CHU time check, strong signal (Wilkner)
3480	Apr27	1047	V of the People, Goyang, presumed, only a steady carrier (XM)
3910	Apr21	2102	Voice Of The People (cland.), Goyang. Kor to KRE, tks. Jammed. 24341 (CGS)
3915	Apr24	2300	BBC Kranji Singapore, EE news, fair //6195 fair good (Bernardini)
3920	Apr24	2035	R Piepzender, Zwolle Dutch and English pop songs 45544 (AP-DNK)
3945	Apr19	1034	3945 // 7890 (harmonic) // 11835 (harmonic, with best reception), Radio Vanuatu. Unusual to be able to hear all three frequencies; preaching in Bislama and many religious songs; several brief, clear IDs; 1059, National Anthem; 1100+ dead air (no audio). (Ron Howard, Asilomar State Beach, CA)
3945	Apr24	0859	R. Vanuatu, Vanuatu, Port Vila; slow english pop music, female in english announcements. The signal strenght of this listening has been rare around here from 3945 kHz recently. Poor to fair, fady (LOB).
3945	Apr27	1050	R Vanuatu, tentative, instrumental music briefly heard until buried in ham slop and gone. R Nikkei and echo of Unification are not normally scheduled to be on at this time. (XM)
3950	Apr23	1746	Xinjiang BPS, Urumqi. Mand, pops. 25342 (CGS)
3950	Apr24	2305	Radio Xinjiang, Urumqui China, CH talks weak //5060 fair (Bernardini)
3955	Apr21	0020	Channel 292, Rohrbach English pop songs 31441 heavy noise QRM in USB (AP-DNK)
3955	Apr14	0645	Channel 292, Rohrbach Germany, songs GG, fair (Bernardini)
3975	Apr19	1850	Shortwave Radio de., Winsen, pop songs, id. "Shortwave Radio, 3975 and 6160 kHz", English, comments. (Méndez)
3985	Apr24	1103	Echo of Hope, Gyeonggi-do, South Korea, presumed, weak unintelligible threshold signal (XM)
3990	Apr19	2109	R. Echo of Hope (cland.), Gyengi-do. Kor to KRE, tks. 15341 (CGS)
3990	Apr21	0025	Xinjiang PBS, Urumqi Uighur conversation and short music 35333 // 4980 (AP-DNK)
3990	Apr23	1745	Xinjiang BPS, Urumqi. Uighur, songs. 25342 (CGS)
3995	Apr19	1850	HCJB, Weenermoor, German, religious comments. (Méndez)
3995	Apr21	0745	HCJB, Weenermoor German religious talk 25242 (AP-DNK)
4010	Apr30	0010	Kyrgyz Radio, Kyrgyztan, Bishkek; female talks. Weak but clear (LOB)
4010.22	Apr21	0030	Kyrgyz talk – poor audio 45322 (AP-DNK)
4750	Apr18	1805	Bangladesh Betar, Shavar English talk about women 45333 (AP-DNK)
4750	Apr22	1819	Bangladesh Betar, Shavar. E, tks. Poor audio. 35332 (CGS)
4752	Apr28	0018	R. Huanta 2000, Peru, Huanta; male in Spanish talks seems ads "seguro del salud...institución educativa", talks with listener by phone: "comunicación telefonica...buenas noches". Poor (LOB).
4752	Apr18	0000	Radio Huanta 2000, Peru, Huanta Ayacucho weak signal in Spanish om, music at times, Thanks LOB (Wilkner)
4752.47v	Apr23	2357	via Bonaire SDR, R. Huanta Dos Mil is still here, SAM offset varying .467 to .472. Instead of cutting off circa 0030 as before, at rechex 0030, 0045 and 0100+ still going, vs CODAR. It's not audible via the occasionally active Bogotá SDR, where I'm also checking for the Colombian pirate on 6016+, active only on weekends, but not yet heard on either (Glenn Hauser, OK, WOR)
4752.5	Apr20	0032	Radio Huanta 2000, Huanta, comments, advertisements. (Méndez)
4765	Apr20	-0403*	Radio Progreso, La Habana, comments, Cuban songs, anthem and close. (Méndez)
4765	Apr17	0340	Radio Progreso Cuba, songs, talks SS, fair (Bernardini)
4774.9	Apr29	2338	R. Tarma, mostly threshold, occasionally very briefly a M speaking (XM)
4775	May2	0136	Radio Tarma, Tarma, Peruvian songs, Spanish, comments, id. "Radio Tarma", "Transmite Radio Tarma, la más potente del dial". Strong signal today. (Méndez)
4800	Apr18	-1805*	Voice of China, Golmud Chinese pop song, time signal, ID: "Beijing ...", talk, abrupt s/off 45344 (AP-DNK)
4820	Apr23		<b>PBS Xizang (Tibet)</b> off the air again today (April 23), on all their frequencies (checked 4820, 4905, 4920, 6130 & 6200), at 0920, 1004 & 1041 UT. Seeing as Ivo reported in WOR iog them on 9580, at 0700, April 22, perhaps on a different abbreviated schedule or just different frequencies now? (Ron Howard, Asilomar State Beach, CA)
4840	Apr21	0030	WWCR, Nashville, TN English religious talk 25242 (AP-DNK)
4850	Apr21	0040	Xinjiang PBS, Urumqi Kazakh conversation 35333 // 6015 (15231) (AP-DNK)
4875.12	Apr18	2345	Rdif Roraima, Boa Vista RR, weak signal with om, possibly a music bridge (Wilkner)
4880	Apr28	2032	R. Echo of Hope (cland.), Nowong-gu. Kor to KRE, tks, mx. 35432 (CG)
4885	Apr22	1821	R. Echo of Hope. Kor to KRE, tks. 35332 (CGS)
4885	Apr17	2144	R.Dif. <sup>a</sup> Acreana, Rio Branco AC. Mx & songs. QRM de R.Club do Pará. 22441 (CGS)
4885	Apr20	0428	Radio Clube do Pará, Belém, relaying Radio Bandeirantes news. (Méndez)
4885	Apr29	2342	R. Clube do Para, Belem, presumed, very weak signal with M speaking PT (XM)



4885	Apr19	2335	Radio Clube do Pará, Belém, PA chat and music, strong signal (Wilkner)
4885	May1	0515	Radio Clube do Pará, Belém, Brazilian songs, id. "...Radio Clube do Pará... Belém, Amazonia, Brasil", program "Clube da Madrugada". 25432. May2, checked 0440-0550, out of air. (Méndez)
4885.05	Apr21	0045	R Clube do Pará, Belém, PA Portuguese conversation about the family, ID and frequencies (AP-DNK)
4890	Apr16	1340	from 1340 to 1347 UT, VOH, Choi Soo-jin's "Morning Special" EBS news program in English and Korean; not just a news show, but really a language lesson, explaining the meaning of many of the words used in the news; today's show was originally broadcast via EBS FM on March 29, so actually old news (item "EBS Radio unveils its new programming lineup today," etc.). (Ron Howard, Asilomar State Beach, CA)
4890	Apr18	1810	Echo of Hope, via Taereung, South Korea, conversation // 5995 (jammed) (AP-DNK)
4890	Apr17	2146	R. Echo of Hope (cland.), Nowong-gu. Kor to KRE, tks. 25342 (CGS)
4930	Apr18	1815	VOA Africa, via Moepeng Hill English talk about Uganda (AP-DNK)
4939.99	Apr17	0325	La Montaña Colombia, Maicao, religious talks SS slow songs, weak but clear (Bernardini)
4940	Apr24	0916	Radio La Montana, Colombia; latin music. Poor to fair (LOB).
4940	May2	0407	Religious Station, Spanish, religious comments, at 0603 program "Tu Historia Preferida" "Esta es Tu Historia Preferida". (Méndez)
4940	Apr24	1119	Voice of the Strait, Fuzhou, presumed, unintelligible threshold signal (XM)
4949.7	Apr19	1910	Radio Nacional de Angola, Mulenvos, comments, at 1930 sport comments. (Méndez)
4949.8	Apr29	2202	RNA-Canal "A", Mulenvos. Tks. 15341 (CG)
4950	Apr23	-1747*	R.Kashmir, Srinagar. Tks, mx. 25342 (CGS)
4950	May1	1732	AIR, Kashmir, comments. Very weak. (Méndez)
4965	Apr19	1845	Voice of Hope Africa, Lusaka, English, religious comments. (Méndez)
4965	Apr19	1839	Voice Of Hope, Makeni Ranch. E, rlg. propag. 35342 (CGS)
4990	Apr17	2300	weak but persistent carrier in AM mode. Nothing else appeared to be on the freq and no QRN. If not a ute, then I suspect Hunan PBS, Changsha. R Apintie appears to be gone. (XM)
5009.9	Apr19	1841	R. TV Madagasikara, Ambohidrano. Afr. pops. Occ. uty. QRM. 35342 (CGS)
5020	Apr24	0905	R. Solomon Islands BC, Solomon Islands, Honiara; female in english talks. Poor (LOB).
5020	Apr29	1102	SIBC, presumed, only a carrier but gradually gaining strength, might have become audible if grayline had lasted longer (XM)
5025	Apr21	0050	R Rebelde, Bauta Spanish talk, CWQRM in LSB (AP-DNK)
5025	Apr25	0858	R. Rebelde, Bauta. Mx, tks. F/out 0920. 25421 (CGS)
5025	Apr17	0320	Radio Rebelde, Cuba, important political speech SS, good //5040 Radio Habana fair (Bernardini)
5040	Apr21	0055	R Habana Cuba, Bauta English interview (AP-DNK)
5830	Apr14	2204	Radio Iran International, Tashkent Uzbekistan, Farsi, talks reports, good (Bernardini)
5895	May1	1901	Radio Northern Star, Bergen, pop songs, id. At 2000 "Radio Northern Star, Norway". Strong QRM on 5900. (Méndez)
5915	Apr29	0419	R. One/ZNBC1. Promo for GOTv, with TV program schedule ( <a href="https://www.gotvafrica.com/en-ng">https://www.gotvafrica.com/en-ng</a> ); news in vernacular; phone conversations and PSA for COVID-19; well above normal reception; 0500, into the news in English; unreadable. (Ron Howard, Asilomar State Beach, CA)
5915	Apr15	2210	Zambia NBC, Lusaka, talks, Vn, Fair (Bernardini)
5915	May2	0405	Zambia NBC, Radio 1, Lusaka, Vernacular comments, songs. (Méndez)
5930	Apr24	1130	World Music R, Bramming English pop songs (AP-DNK)
5930	Apr24	2309	World Music Radio, Bramming Denmark, usual nice songs, EE, good (Bernardini)
5930	May1	1656	World Music Radio, Bramming, pop songs, id. "World music Radio". (Méndez)
5939.40	Apr21	0100	Voz Missionaria, Camboriú Portuguese ann, hymns (AP-DNK)
5939.4	Apr20	0440	Voz Missionaria, Camboriú, religious songs and comments. (Méndez)
5939.4	Apr30	2039	R. Voz Missionária, Camboriú SC. Rlgs. propag., mx background. 25331 (CG)
5950	Apr18	0245	WRMI, USA, songs EE, good (Bernardini)
5952	Apr20	2337	Emissoras Pio XII (P), Bolivia, Siglo Veinte; male and female Spanish talks. Het, return after months; poor, unreadable, maybe without that usual distortion. So, we still have 3 Bolivian stations: Mosoj Jaski and irregulars Pio XII and Santa Cruz (LOB).
5952.3	Apr22	2320	Pio XII, Siglo Veinte, LSB, om in Spanish, very weak, in LSB to avoid hash on usb. Thanks LOB (Wilkner)
5960	25/4	0005	Mighty KBC Radio, Nauen Germany, songs EE, fair QRM Radio Xinjiang (Bernardini)
5970	Apr14	1940	R 208, Hvidovre English ID: "Radio 208. The Rock of Copenhagen" // 1440 (AP-DNK)
5970	Apr21	2105	R. 208, Hvidovre. Pops. A bit better on 23/4, 2050. 35342 (CGS)
5970	Apr15	2205	Radio 208 Copenhagen, Kobenhavn Denmark, songs, EE DD, fair fading (Bernardini)
5970	May1	1925	Radio 208, Hvidovre, rock and pop songs. (Méndez)

5980	Apr24	*1057	OZ-Viola, Hillerød via groundwave Flute I/S, English ID: "You are listening to Radio OZ-Viola from Denmark", Danish ID, 1100 Fanfare, pop music (AP-DNK)
5980	Apr14	2144	Radio OZ-Viola, Hilleroed Denmark, music & songs, fair fading (Bernardini)
5980	Apr14	2200	Radio Marti, Greenville USA, starts and interfering with OZ Viola, SS talks, fair (Bernardini)
5980	Apr10	-1435*	Shiokaze/Sea Breeze. Well over the NK pulse jammer with JP chat, songs, web/p-mail info + ID @ BOH to close-down. (Sheedy)
5985	Apr28	1250	Myanmar Radio. Tuned in expecting to hear the usual "Learning English with BBC, Burmese," but <b>instead they were airing the "Say It In English" program</b> , which is also produced in England and was carried by MR years ago; mostly readable. Am very pleased to hear this series of lessons back on the air again, as it is always a pleasure to hear the comical misadventures of "Tom." I have heard today's show twice in the past, on Aug 7, 2017 and Feb 5, 2018. My audio of a portion of today's program is at <a href="http://bit.ly/3u5EGMo">http://bit.ly/3u5EGMo</a> . In DXLD 17-32: "5985, Myanmar Radio, on Aug 7, 2017, tuned in at 1215, to hear the Monday edition of the English language lesson ("Say It In English") already in progress; program will be repeated on Wed.; dialogue between "Mr. Harris" and "Tom," who wants Tom to take the morning 7:00 train to Manchester; "The meeting is very important. Don't miss the train"; Tom works for a company that "makes some of the finest clocks and watches in the world," but he is "never on time for anything"; he missed the train and then rushes to take a taxi to the airport to catch the 8:00 plane to Manchester; 1227 end of "Say It In English"; fairly readable . . ." (Ron Howard, Asilomar State Beach, CA)
5985	Apr18	2330	Myanmar Radio, Yangon, long talks Burmese, fair (Bernardini)
5995	Apr29	2142	R.Mali, Kati. Vn, Koranic propag. Vy good audio. *** Fq wrongly typed as 59-8-5 kHz on my 03/4 obs. *** (CG)
6015	May2	0345	Zanzibar Broadcasting Corporation, Dole, Swahili, comments. (Méndez)
6020	May2	0605	Radio Delta International, Elburg, pop songs, id. "Radio Delta International, your station short wave". (Méndez)
6045	Apr28	1140	Voice of Freedom, still remains buried on 6045, under very strong super jamming from N. Korea; totally unusable signal. No jamming on 6135 nor on ex VOF frequency of 5920, which is a nice clear frequency. (Ron Howard, Asilomar State Beach, CA)
6050	Apr20	0632	ELWA, Monrovia (presumed), songs, comments, English. Very weak. (Méndez)
6050	Apr29	1106	Vozandes Media, Pichincha, relig pgm in vernacular, poor to fair, (XM)
6050	May2	-0500*	HCB, Pichincha, religious songs and comments in Spanish. At from 0359 to 0458 strong QRM from Algeria on the same frequency. (Méndez)
6060	Apr14	1400	6060 // 7225, Sichuan PBS-2. Pleased to find them still with the usual multi-language IDs at ToH - "Sichuān mínzú guāngbò, <b>Sichuan Ethnic Radio</b> "; indigenous music/singing; 6060 slightly better reception. (Ron Howard, Asilomar State Beach, CA)
6060	Apr18	0310	Radio Habana Cuba, songs talks SS weak //5040 fair (Bernardini)
6065	Apr19	1730	Voice of Hope Africa, Lusaka, English, id. at 1732 "This is Voice of Hope Africa" program "Wavescan", "Wavescan de DX program for Adventist World Radio" id. at 1800 "This is Radio Christian Voice, Lusaka". (Méndez)
6065	Apr18	0305	AWR, Talata-Volonondry Madagascar, religious Vn, weak (Bernardini)
6070	Apr15	0004	CFRX Toronto Canada, relay CFRB, reports EE, weak //streaming (Bernardini)
6070	May2	0400	CFRX, Toronto, English, news, comments, advertisements. (Méndez)
6080	Apr19	2113	R.Marumby, Curitiba PR. Tks. QRM de CHN. Inaudible on // 9515. 32341 (CGS)
6085	Apr19	1548	Radio Mi Amigo International, Kall Krekel, pop and rock songs, id. "Radio Mi Amigo International", comments, English. (Méndez)
6090	Apr17	0300	Amhara State Radio, Geja Dera Ethiopia, talks Amharic, songs, fair good (Bernardini)
6090	Apr27	0342	V of Amhara State, Geja Jewe, M in cmntry in vernacular, fair but QRN (XM)
6090	May2	0410	Voice of Amhara State, Addis Ababa, Vernacular comments. (Méndez)
6110	Apr30	2037	R. Fana, Geja Jawe. Vn, HoA songs, tks, phone-ins. 45433 (CG)
6115	Apr17	1454	CNR1 (jammer)/VOA (Tinang). CNR1 echo-jam running about 50/50 with VOA's CH programming this morning. (Sheedy)
6135	Apr14	2340	R. Santa Cruz (P), Bolivia, Santa Cruz; male Spanish talks, latin music. Sometimes mixing signals between Brasil and Bolivia. Het, poor, around 2345 sign off (LOB).
6135.08	Apr15	2200	Radio Aparecida, Brazil, reports PP, fair (Bernardini)
6135.1	May2	0440	Radio Aparecida, Aparecida, religious, program "Com A Mae Aparecida". (Méndez)
6140	May1	1935	Radio Onda, Borculo, pop songs, id. "Radio Onda". (Méndez)
6150	Apr19	1538	Europa 24, Datteln, pop songs, German, id. "Europa Vierundzwanzig". (Méndez)
6155	Apr17	-1500*	RBA (Kununurra). Just caught the end of the KR program (mixing with CNR2), EG ID/sked (in UT/Korean time). (Sheedy)

6160	Apr13	1340	Shortwaveradio, Winsen English ann, popsongs from 1995, but no signal on alternative 3975 (AP-DNK)
6160	Apr18	0256	WBCQ Monticello USA, religious EE, fair fading (Bernardini)
6160	Apr10	1403	Pyongyang BS, better this morning w/ good // to 3320. KR yak, 'anthemic' song + KR 'bal-lady' tunes. (Sheedy)
6180	Apr17	0315	MWV La Voz Alegre, Mahajanga Madagascar, SS religious songs, weak fair (Bernardini)
6185	Apr26	0859	Radio Educación, Mexico, Mexico City; orchestral music selections (background, muzac style music, sleepy music). Poor to fair (LOB).
6185	May2	0358	Radio Educación, Ciudad de México, instrumental music, songs. id. "Radio Educación, onda corta, 10000 watts de potencia...", classical music, at 0545 id. "Radio Educación está contigo en todo el país, y para todo el mundo nuestra señal de onda corta..." (Méndez)
6190	Apr15	0000	R. Xinjiang, Urumqui China, talks mx Mongolian, good //4500 weak fair (Bernardini)
6195	Apr14	2135	VOA, Moepeng Hill Botswana, "VOA World, the best music", EE, very good (Bernardini)
6230	Apr20	2126	Sound Of Hope R Int'l, unk. site. Mand to CHN, tks. QRM de AUS. 23341 (CGS)
6340.2	Apr23	1907	Sound Of Hope R Int'l, unk. site. Mand to CHN, tks, mx. 15341 (CGS)
6245	Apr26	2106	R. Echo of Hope (cland.), Hwaseong. Kor to KRE, tks. Jammed. 33442 (CG)
6250	Apr19	1843	R. Echo of Hope (cland.), Hwaseong. Kor to KRE, tks, mx. 35342 (CGS)
6255	Apr17	2150	R. Echo of Hope (cland.), Hwaseong. Kor to KRE, tks. Jammed. 34342 (CGS)
6340.2	Apr23	1907	Sound Of Hope R Int'l, unk. site. Mand to CHN, tks, mx. 15341 (CGS)
6350.1	Apr17	1836	R. Echo of Hope (cland.), Hwaseong. Kor to KRE, tks. Jammed. 23341 (CGS)
6355.1	Apr22	1825	R. Echo of Hope (cland.), Hwaseong. Kor to KRE, tks. Jammed. 23441 (CGS)
6370.1	Apr23	2034	Sound Of Hope R Int'l, unk. site. Mand to CHN, tks. Occ. adj. uty. QRM. 25331 (CGS)
6520	Apr21	2109	Voice Of The People (cland.), Goyang. Kor to KRE, tks. Jammed. 33341 (CGS)
7140	Apr27	0337	V of the Broad Masses of Eritrea, Pgm 1, Asmara, W in cmntry in vernacular, fair (XM)
7140	May2	0405	Voice of Broad Masses, Asmara, Vernacular comments. (Méndez)
7180	Apr27	0338	V of the Broad Masses of Eritrea, Pgm 2, Asmara, (p), unintelligible threshold signal (XM)
7180	May2	0406	Voice of Broad Masses, Asmara, Vernacular comments. (Méndez)
7205	Apr19	1650	Sudan Radio, Al Aitahab, Arabic, comments. (Méndez)
7205	Apr23	0301	S8-S9 open carrier, surely Sudan Radio, Omdurman; someham pretends to be AM by tuning his LSB-only signal here, but no QRM on USB. At prime time in the morning, also JBA carriers on 7180 > 7140 presumed VOBMERitreans. By 0328 maybe trace of music. 0342 I switch to UTwente SDR in Holland, where 7205 is S9 but clearly barely modulated, occasional talkwords peaking, 0345 bit of music. WRTH says irr. from *0300; Eibi says from *0257; Aoki from *0200. At 0350 & 0356, I JB hear some Horn-of-Africash music. A 4+1 timesignal at 0400 cuts thru, 11 seconds late. Don't rely on this for navigation! Then some mumbletalk, news in Arabic? I daresay even nearby one would have to turn the volume up full and hope for the best. Dumps off air abruptly at 0405:15*. I switch to offset BFO to hear any carrier come back, which it finally does at *0423, again/still, JBM. I must also say, the FPU stations do a much better job of broadcasting to Sudans from outside. Manuel Mendez, Spain, hears 7205 in his evenings, and also the external service grandiosely appelled ``Voice of Africa`` on 9505 going from French to English at 1715. I wonder if that modulation be any better (Glenn Hauser, OK, WOR)
7205	Apr24	1701	Sudan R & TV Corp., Al-Fitahab. A, tks, songs. 35342 (CGS)
7205	Apr27	0330	R Omdurman, much better signal than yesterday, with brief reading from the Quran, followed by apparent s/on ancmt, fair but then gradually began to fade and was lost (XM)
7205	May2	0403	Sudan Radio, Al Aitahab, Arabic, comments. (Méndez)
7245	Apr25	1016	R. NZ Pacific, Rangitaiki. E, tks. Unreadable. 15431 (CGS)
7254.9	Apr23	0552	big S9+10/20 open carrier, as VON is back here warming up; 0557 recheck in great IS of African percussion and winds; 0600 sign-on in Hausa with two words understood, ``Nigeria`` and ``kilohertz`` --- I wonder if they announce this frequency when really on 11769.9+? (Glenn Hauser, OK, WOR)
7260	Apr19	0552	R. Vanuatu, Vanuatu, Port Vila; outside male talks and studio male. Poor to fair, cochanel QRM from 7255kHz maybe VON; Enhancement over listening (LOB).
7260	Apr28	0345	VOA Somali Service, with Somalia news, very strong signal. According to Hard Core DX this is relayed from Santa Maria di Galeria, an extraterritorial part of the Vatican City state north of Rome (XM)
7260	Apr29	-0559*	(not a harmonic), Radio Vanuatu. Cut off with island music; very poor. (Ron Howard, Asilomar State Beach, CA)
7270	Apr28	1223	PBS Nei Menggu. Very strong signal; generating very noticeable spurs on low side 7262 // 7254 and high side 7278 // 7286. (Ron Howard, Asilomar State Beach, CA)
7315	Apr17	0405	Radio Tamazuj, via Santa Maria Galeria Vatican, talks AA, fair //11650 Madagascar (Bernardini)

7315	Apr17	0430	Radio Dabanga, via Santa Maria Galeria Vatican, reports AA, fair //11650 Madagascar (Bernardini)
7330	May2	*1000-	Radio Joystick, The Charlie-Prince Show, Moosbrunn, German, comments, id. "The Charlie-Prince Show", pop songs. (Méndez)
7450	Apr24	2045	Xizang PBS, Baiding, Tibet Chinese ann, Chinese music 35333 (AP-DNK)
7465	Apr15	-0030*	BBC Kranji Singapore, EE, reports, weak (Bernardini)
7494v	Apr24	-2400*	Voice of Tibet, Dushambe Tajikistan, songs talks Tibetan, good (Bernardini)
7520	Apr15	0022	WWCR Nashville USA, religious talks songs EE, good (Bernardini)
7730.1	Apr20	2122	Sound Of Hope R Int'l, unk. site. Mand to CHN, tks. 35342 (CGS)
7810.1	Apr20	2120	Sound Of Hope R Int'l, unk. site. Mand to CHN, tks. 35342 (CGS)
7890	Apr28	1032	(harmonic) Radio Vanuatu. Preaching in Bislama and religious songs; 1103, full ID with list of frequencies and www reference; 1104, National Anthem; 1105, dead air (no audio) till transmitter off via a timer at 1114. (Ron Howard, Asilomar State Beach, CA)
7890	Apr19	0623	R. Vanuatu, Vanuatu, Port Vila; (Harmonic) Pacific music, male announcements, Pacific music. Poor (LOB).
9100	Apr9	1154	VOH: On 9100, with the weekday EBS (Educational Broadcasting System - <a href="https://www.ebs.co.kr/main">https://www.ebs.co.kr/main</a> ) produced English language lesson; as always with a good signal (audio attached). On Sunday (11th), at 0729, the weekend only reading of a Harry Potter story in both English and Korean. Seems that all the VOH English language programs (news, etc.) are from EBS FM. VOH continuing with a repeating four hour program loop. (Ron Howard, Asilomar State Beach, CA)
9180.1	Apr20	2124	Sound Of Hope R Int'l, unk. site. Mand to CHN, tks. 25331 (CGS)
9265	Apr24	2320	WINB Red Lion PA USA, religious talks EE, good (Bernardini)
9330	Apr15	2215	WBCQ Worlds Last Chance, Monticello ME USA, PP talks, very good (Bernardini)
9350	Apr15	2223	Overcomer Ministries, Nashville TN USA, usual talks EE, fair //6115 weak, 9980 fair (Bernardini)
9405	Apr24	2330	FEBC, Bocaue Pilippines, CH program, fair (Bernardini)
9420	Apr14	0620	Voice of Greece, Avlis, talks in Greek, very good (Bernardini)
9475	Apr28	1249	National Unity Radio, 9475. Brief Chinese language lesson; started and ended with Joyce Chu singing "Hao xiang ni - I Miss You"; mostly in Korean; a few words in Chinese and a sentence using the words; "Wömen Tándélái" (we share the same view or we understand each other); N. Korea no longer jamming this frequency, so nice reception. My audio at <a href="http://bit.ly/3xvEgRv">http://bit.ly/3xvEgRv</a> . (Ron Howard, Asilomar State Beach, CA)
9480	Apr22		before and after 1830, S6-S3 in French, i.e. CRI at 18-20 via Xianyang 59 site in north central China, of all places, 500 kW, 317 degrees toward France. VP reception today, hardly anything else extracontinental on any band except 13670 Madagascar (Glenn Hauser, OK, WOR)
9505	May1	*1630-	Voice of Africa, Al Aitahab, French, id. "La Voix de l'Afrique", news, comments. Strong QRM on 9500. (Méndez)
9525	Apr17	0354	Denge Welat, Issoudun France, Kurdish radio drama, good (Bernardini)
9550.1	Apr21	2114	R. Boa Vontade, Pt.° Alegre RS. Rlgs. propag., rlg. songs. Adj. QRM. 24442 (CGS)
9560	Apr14	2230	Radio Japan NHK, Yamata Japan, CH, reports, weak (Bernardini)
9580	Apr18	1441	KNLS. Good in EG with "Hope & Comfort" w/ L. Souther. (Sheedy)
9585	Apr18	*1453-	TWR (Manzini). Fair with IS/ID loop [a new one--"This is T-W-R, broadcasting from eSwatini")..quick hymn and into FR programming...CRI's JP service (via Xianyang) opens @ 1500, but is mostly just background noise. (Sheedy)
9620	Apr14	0640	Radio Algerienne, Issoudun France, AA talks, good (Bernardini)
9635	Apr20	0840	Sarawak FM, Kajan, Malaysian songs and comments. (Méndez)
9635	Apr25	0900	R. Voice Of Vietnam, Son Tay. Viet, tks, songs. QRM de MLI. 32431 (CGS)
9664.9	Apr20	0703	Voz Missionaria, Camboriú, religious songs and comments. (Méndez)
9664.9	Apr17	0358	Voz Missionaria, Camboriu Brazil, religious talks songs PP, weak (Bernardini)
9664.9	Apr18	0920	R. Voz Missionária, Camboriú SC. Songs, ref. to Projecto Haiti, ..., tks. Unreadable towards 1000. 35432 (CGS)
9670	Apr17	*0900-	Atlantic 2000 International, Rohrbach, interval signal, id. "Atlantic 2000 International", pop songs, French, comments, id. in English. (Méndez)
9695	May2	0815	KNLS, Anchor Point, religious songs and comments, English. Very weak. (Méndez)
9730	Apr20	1121	Today, unlike yesterday, KNLS (Alaska) definitely on the air; stilted Chinese, totally dominating frequency, with positive Myanmar (very poor) far underneath. This frequency tentatively had Myanmar with 1152* UT; seemed to be a 3rd station on frequency (SOH?). While on 5985 kHz., noted Myanmar Radio with *1129 UT; // 9730. (Ron Howard, Asilomar State Beach, CA)
9730	Apr28	-1154*	Myanmar Radio. Continuing to run well past their former 1130*; mostly stronger than KNLS (Alaska) on frequency; both fairly distinctive programs, so easy to tell them apart;

			no CNR1 jamming nor SOH heard; closing time varies a little. (Ron Howard, Asilomar State Beach, CA)
9730	Apr18	1700	Voice of Vietnam, Hanoi-Son Tay, reports Vietnamese, fair (Bernardini)
9800	Apr17	*1500-	KNLS. Big signal in RU with ID/Anchor Point p-mail address, chat & some US contemporary pop tunes..(ex-9730 as of 14 April per Ivo Ivanov's info on the HCDX site). (Sheedy)
9818.8	Apr21	2130	R. 9 de Julho. Sports px Desporto 9. Adj. QRM de CHN on 9820. 34442 (CGS)
9818.8	May1	2004	Radio 9 de Julho, Sao Paulo, religious comments. (Méndez)
9835	Apr23		<b>Sarawak FM</b> (9835) was again doing fairly well today; while 11665 (Wai FM) is never well heard. (Ron Howard, Asilomar State Beach, CA)
9835	Apr23	0936	Sarawak FM via RTM, Kajang. Tks, songs. Deteriorating. 35432 (CGS)
9930	Apr15	2219	WTWW Lebanon TN USA, talks EE songs, fair good (Bernardini)
9980	Apr24	2335	The Overcomer Ministry, Nashville TN USA, religious songs talks EE, good //5900 7490 (Bernardini)
11460.1	Apr23	1519	Sound Of Hope R Int'l, unk. site. Mand to CHN, tks. 15431 (CGS)
11530	Apr23	0715	Turkish Jammer jamming Denge Welat Kurdish radio, mixed stations, good signals (Bernardini)
11665	Apr23	0940	Wai FM via RTM, Kajang. Tks, pops. Deteriorating. Adj. QRM. 24431 (CGS)
11670	Apr24	2315	Radio Habana Cuba, nice Cuban songs EE, fair (Bernardini)
11695	Apr10	1421	VOA (Tinang) (presumed). EG lang. lesson for the Khmer service ("What is in the textbook?"), COVID info, quick translation of EG soundbite, closed @ 1430, didn't catch any even generic VOA ID/info, tho. (Sheedy)
11725	Apr14	0630	Radio New Zealand Pacific, reports, EE, fair (Bernardini)
11750	Apr18	-1801*	City FM SLBC, Trincomalee Sri Lanka, songs Vn, weak (Bernardini)
11769.9	May1	1550	Voice of Nigeria, Abuja Lugbe, Arabic, comments. (Méndez)
11780	May1	2001	Radio Nacional da Amazonia, Brasilia, Brazilian songs. (Méndez)
11815	Apr23	1527	R. Brasil Central, Goiânia GO. Nx. Weak audio. 25441 (CGS)
11815	May1	2015	Radio Brasil Central, Goiania, Brazilian songs. (Méndez)
11835	Apr15	0030	CNR2 China Business Radio, Xian, CH talks fair //11845 weak 11915 weak 7220 good (Bernardini)
11835	Apr29	0602	R. Vanuatu x 3 is S3-S5 with YL in Bislama, 0605 into a song (Glenn Hauser, OK)
11835	Apr30	0616	RV, 3 x 3945, is S3-S7, song sounds like ``Be Happy``, Bislama talk, more music. 7890 = 2 x 3945 a JBA carrier (Glenn Hauser, OK, WOR)
11835	Apr19	0602	R. Vanuatu, Vanuatu, Port Vila; (Harmonic), male talks, ID flute music, male announcements. Poor (LOB).
11885	Apr18	1802	Radio Vietnam, Hanoi-Son Tay, reports in SS, very good (Bernardini)
11940	Apr15	2229	REE, Noblejas Spain, talks, SS, good (Bernardini)
12050	Apr14	0635	Radio Ndarason Int., Woofferton UK, talks, in Kanuri to Nigeria, fair (Bernardini)
12050	Apr30	2002	R. Ndarason International in presumed Kanuri is almost as strong as RCM, WEWN in Spanish. Quite a collision here making SAH of 1 Hz, but who cares? RNI is 152 degrees from Woofferton while WEWN is 155 from Vandiver. IIRC, RNI used to be via Ascension which may have been more of a problem in WEWN LAm target (Glenn Hauser, OK,WOR)
12120	Apr18	1807	Radyo Pilipinas, Tinang, talks in Tagalog, good (Bernardini)
13710	Apr10	1439	CRI (Kashi-Saibagh). Fair in EG //5955, etc. (Sheedy)
13730	Apr18	1738	NHK Radio Japan, Talata Volonondry Madagascar, news, talks Swahili, good (Bernardini)
13840	Apr27	2143	R. NZ Pacific, Rangitaiki. E, tks. Adj. QRM. 24431 (CG)
15150	Apr19	1455	Radio Tamazuj, Talata-Volonondry, East African songs, Sudanese, news, comments, id. "Radio Tamazuj". (Méndez)
15190	May2	0935	Radio Inconfidencia, Belo Horizonte, program "Trem Caipira", Brazilian songs. (Méndez)
15190.1	Apr23	1512	R. Inconfidência. Songs, tks. 15331 (CGS)
15260	Apr23	0720	Dandal Kura, Nauen Germany, in Kanuri to Nigeria, talks, good (Bernardini)
15340	Apr18	1710	Dimtse Wegahta Tigray / Jammer, Issoudun, stopped by real strong jammer (Bernardini)
15476U	May1	-1741*	LRA 36, Radio Arcángel San Gabriel, Base Esperanza, songs, comments, male, female. Extremely weak, barely audible and only at times first, improving to weak later, at 1726 clear id. by female "Desde la Base Esperanza, Antártida Argentina, LRA 36...", and at 1732 by male "Nacional, la Radio Pública", at 1737 song about Base Esperanza, female with email address and telephone numbers of the station, at about 1741 close transmission abruptly. (Méndez)
15515	23/4	0727	Radio Kuwait, Arabic talks, weak (Bernardini)
15530	23/4	0732	Radio Kuwait, English program to Europe, songs, good but fading (Bernardini)
15565	Apr18	1730	Radio Vaticana, Santa Maria Galeria, religious in Tigrinya, weak (Bernardini)
15475.98	May1	1438	RCUSB, LRA36 is on and into Brasil SDRs, one of them slightly noisier than another. First talking about current events such as the Iran Nuclear Deal [should that be capitalised?]. I'm busy with breakfast, etc., so not listening continuously, but 1530 still there, S5 in Antártida



song; 1538 IDs in 4 languages mentioning Base Esperanza. 1552 typical canned ID, ``Nacional Antártida Argentina, La Radio Pública``. 1555.5 another ID and at 16009. 1623 still on at S1-S3; 1650 comes in stronger, music; 1658 eQSL info; sign-off Saturday broadcast, so this part is not a Wednesday playback. Mentions being part of the Ministry of Defense, i.e. military, not civilian as Wikipedia claims. 1700 Antártida song, now S5 and does not really close down yet. 1704 & 1708 other music 1732 ``sign-on`` again with Spanish, German, English, Russian?/Korean? announcement. 1737 Antda. song again, email and FB, frequencies 15476 and FM 96.7 at the base, max temp today 2C, couldn't catch the min. Off abruptly at 1740\* and still of by 1744 (Glenn Hauser, OK, WOR)

15580 Apr18 1720 VOA, Moepeng Hill Botswana, EE reports, very good (Bernardini)  
 15790 May2 0745 World Music Radio, Randers, pop songs, Latin American songs, flute music, id. "WMR, World Music Radio". (Méndez)  
 15820 Apr18 1734 WWCR Nashville, TN USA, religious, EE weak (Bernardini)  
 17855 Apr10 1545 REE. Sports play-by-play..poor/readable with //15520 JBA. (Sheedy)

## Pirate Stations

3900 Apr24 -2224\* R. Borderhunter - pir. Du/E, mx, tks, pops. 35443 (CGS)  
 3905 May1 2157 Snow Fox R mx ID mx (TB)  
 3940.2 Apr24 2109 R. Melkbus - pir. Pops. ID via DX press. 25341 (CGS)  
 4870 Apr27 2141 Mystery R 21 - pir. Pops. Back on 4870. 35443 (CG)  
 4875 Apr17 2142 Mystery R 21 - pir. Pops, e-mail addr. anns. in E for rec. rpts. 35443 (CGS)  
 5879.9 Apr30 2100 Continental R (t) - pir. Pops. T-ID via DX press. 35443 (CG)  
 5880 Apr21 2107 R. Rock Revolution - pir. E, pops. 35443 (CGS)  
 6205 Apr21 0919 Radio Onda Corta Venezuela, Venezuela, El Tigre; latin music selections, male ID announcements. Poor, distorted audio; deteriorating over listening (LOB).  
 6216 May1 0502 R.O.C.V, El Tigre, this station is now on 6216 instead of 6205 kHz. Heard in Friol with very weak signal, Latin American songs. **On May 2, back on 6205** again 0428-0540, extremely weak, only audible at times on LSB, songs. (Méndez)  
 6270 Apr24 -2211\* TRX Radio, Pirate, oldies, EE ids, very good (Bernardini)  
 6275 Apr30 2153 R.Quadzilla (t) - pir. Pops. T-ID via DX press. 35332 (CG)  
 6285 Apr26 2101 KR-1 R - pir. Du, pops, tks. 35342 (CG)  
 6285.4 Apr30 2201 Corona R - pir. Pops, unreadable stn ID in E at 2202. ID via DX press. 25331 (CG)  
 6290 Apr23 1750 R.Pioneer (t) - pir. Pops. Improving, rtd. 35342 at 1840. T-ID via DX press. 25341 (CGS)  
 6290 Apr25 2217 Cupid R - pir. E, pops, thanking for rec. rpts. 35443 (CGS)  
 6290 Apr24 2212 Cupid Radio, pirate songs ids, talks about reports EE, good (Bernardini)  
 6295 Apr30 2155 R.Parade Int'l - pir. Pops Tx briefly off at 2156. ID via DX press. 35342 (CG)  
 6298 Apr23 1904 R.Igloo - pir. E, tks on the West Coast DX Club, e-mail addr. ann., pops. 45444 (CGS)  
 6305.1 Apr18 2227 R.Merlin Int'l - pir. Pops. Rtd. 35443 on 19/4, 2100. 25342 (CGS)  
 6385 Apr18 1647 R.Joey - pir. Du, pops, tks. 35443 (CGS)  
 6925 Apr28 0033 Radio Compania Worldwide, Chile; male in Spanish talks. Very weak (LOB).  
 6985 Apr23 2038 R.The Vault - pir. E, pops. 35443 (CGS)  
 6985 Apr17 2110 The Vault, pirate, oldies nice songs, id EE, good (Bernardini)  
 7760 Apr23 1807 R.Jan van Gent (p) - pir. Du, Dutch songs, pop oldies, tks. Poor quality audio. 35332 (CGS)  
 12255 Apr18 1345 Reflections Europe - pir. E, rlg. propag. pxs. Barely audible on // 6295. 25342 (CGS)

## 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 XM - Cedar Key - Florida Dan Sheedy, Moonlight Beach/Encinitas, CA	(CG)/(CGS), Carlos Gonçalves, Lissabon, Portugal TB, Tomas Burian, Morava, Moravia Manuel Méndez, Lugo, Spain (LOB) Lúcio Bobrowiec, Embu, SP, Brasil Robert Wilkner, Pompano Beach, South Florida Giampiero Bernardini, Milano
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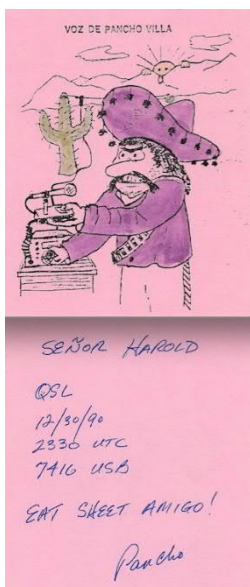
## Station news

**GUATEMALA. Radio Verdad 4055 kHz**, still off, but received this update that they are working on repairing the transmitter:

*``Transmisor de Radio Verdad, Apr 20 at 4:41 AM, Informamos a los oyentes de Radio Verdad que casi todo este día lunes trabajamos tratando de reparar el transmisor de Radio Verdad. Logramos hacerle varias reparaciones importantes, con la ayuda de los Ingenieros Jhaír Ramírez y Rafael Borthwick de Canadá, pero no logramos sacarlo al aire todavía. Seguiremos trabajando intensamente hasta lograrlo.*

*Agradeceremos sus oraciones. Que Dios les bendiga y guarde con buena salud. Dr. Édgar Amílcar Madrid, Director y Gerente General, Estación Educativa Evangélica, Radio Verdad` (Glenn Hauser, OK, WOR)*

### USA. A moldy oldy! **Voice of Pancho Villa**



(From the Mystery Pirate)

Here's the schedule for this weekend's Voice of Pancho Villa relays:

April 24 or April 25 around 4 p.m. ET on 5185 kHz AM - Episodes 2004-2013

April 24 between 6 and 7 p.m. ET on 6925 kHz USB - Episodes 1994-2003.

April 24 or 25 around 10 p.m. ET on 3185 kHz USB and/or 5130 kHz USB - Episodes 2014-2021.

For an eQSL for a broadcast, listeners must describe at least one episode in detail.

Reports to [mysterypirateradio@gmail.com](mailto:mysterypirateradio@gmail.com)

(Terry Colgan & Harold Frogde via WOR)

## Other radio news

### List of SWL/Media Programmes in English, German and Spanish

"List of SWL/Media Programmes in English, German and Spanish" for the A21 period (28.03.2021 - 30.10.2021) in PDF format (Adobe Reader), compiled by our Top News Editor Wolfgang Büschel.

(See <https://www.wwdxc.de/swl.pdf>)

### [WOR] RFE/RL denounces Russia's escalating efforts to force it out

Radio Free Europe/Radio Liberty (RFE/RL) President Jamie Fly has denounced what he says are Russia's escalating efforts to force RFE/RL – including its Russian Service and 24/7 digital network Current Time – out of the country. Fly stated that "RFE/RL is being targeted by the Russian authorities because we continue to provide a growing audience in Russia with objective news and information at a moment when the Kremlin is trying to limit access to information. We will continue to fight these attacks on our ability to operate in Russia through all possible means. We believe that the Russian people want more choices."

Read the full story here:

<https://aib.org.uk/rfe-rl-denounces-russias-escalating-efforts-to-force-rfe-rl-out-of-the-country/>

(AIB media industry briefing | April 2021)

Viz.:

Radio Free Europe/Radio Liberty (RFE/RL) President Jamie Fly today denounced Russia's escalating efforts to force RFE/RL – including its Russian Service and 24/7 digital network Current Time – out of the country.

Fly stated that “RFE/RL is being targeted by the Russian authorities because we continue to provide a growing audience in Russia with objective news and information at a moment when the Kremlin is trying to limit access to information. We will continue to fight these attacks on our ability to operate in Russia through all possible means. We believe that the Russian people want more choices.”

Fly made his comments as RFE/RL learned that Russia’s media regulator, Roskomnadzor, would be serving RFE/RL with a new round of 130 charges beginning on April 16 – bringing the total number of violations charged by Roskomnadzor to 520, and the anticipated total amount of fines assessed to \$2.3 million.

Over the past five years, RFE/RL has nearly doubled its audience in Russia to a current weekly reach of at least 6.5% of Russian adults, or nearly 6.7 million people. Between October 2019 and September 2020, Current Time-produced videos were viewed more than 1.5 billion times on social media platforms, and the number of subscribers to Current Time’s social media pages more than doubled to over 5 million; online audiences for RFE/RL’s Russian Service also grew dramatically, with 250 million video views on all media platforms in 2020.

Roskomnadzor has already served RFE/RL with 390 violation charges in the past three months, resulting in anticipated fines of \$1.4 million, for violating invasive self-labeling rules that would require that RFE/RL label every piece of text, video, audio, or social media content with a prominent, lengthy, state-mandated disclaimer. Video content is obligated to carry a 15-second disclaimer at the start of each clip, and disclaimers published with text articles and social media posts must be published in a font size twice that of the text. RFE/RL has not complied with these labeling rules, which it says violate the Russian Constitution and Russia’s media law and would detract audiences looking for alternatives to Russian state media.

Russian regulators have singled out RFE/RL, whose editorial independence is also enshrined in U.S. law, over other foreign news operations in Russia. In 2017, Russian regulators put RFE/RL’s Russian Service onto a list of news media deemed to receive foreign funding for political activity as “foreign agents,” along with RFE/RL’s regional Russian-language news services and Current Time, the network run by RFE/RL in cooperation with Voice of America. The law also puts RFE/RL journalists at risk for criminal prosecution. With nearly 270 freelancers and more than 50 local contractors, RFE/RL has one of the largest networks of independent journalists in Russia and has maintained a bureau in Moscow since 1991, when it was invited into the country by Russian President Boris Yeltsin.

On April 6, U.S. Secretary of State Antony Blinken expressed his “concern over Russia’s efforts to close Radio Free Europe/Radio Liberty and silence this valued source of independent reporting” via Twitter following a meeting with U.S. Agency for Global Media Acting CEO Kelu Chao. State Department spokesman Ned Price had previously said the U.S. is “deeply concerned” about the Russian government’s actions against RFE/RL, which have also been criticized by the European Union, senior members of both the U.S. Senate and House of Representatives, The Washington Post, and media freedom groups including the Committee to Protect Journalists and Reporters without Borders.

#### *About RFE/RL*

RFE/RL relies on its networks of local reporters to provide accurate news and information to more than 41 million people in 27 languages and 23 countries where media freedom is restricted, or where a professional press has not fully developed. Its videos were viewed 6.5 billion times on Facebook, YouTube, and Instagram/IGTV in FY2020. RFE/RL is an editorially independent media company funded by a grant from the U.S. Congress through the U.S. Agency for Global Media. [Source: RFE/RL press release] (RUS-DX # 1131)

#### **Radio "Orpheus": a world without borders.**

This year, Orpheus, the only state radio station of classical music in Russia, celebrates its 30th anniversary - an absolutely unthinkable figure for modern media. About the past, present and future of Orpheus - in an interview with its head Irina GERASIMOVA ... Details in Russian - [http://onair.ru/main/enews/view\\_msg/NMID\\_79988/](http://onair.ru/main/enews/view_msg/NMID_79988/) (OnAir.ru) (RUS-DX # 1131)

#### **The history of the "Rainbow" complex in Cuba.**

Here and about passive radar. And about the R-399. And digital processing. And about G.A. Rumyantsev UA1DZ. Details in Russian - <https://cubanos.ru/news/news228> (Roman Lipovskaya, Kursk, Russia / <https://vk.com/radioreceiver>) (RUS-DX # 1131)

#### **The Buzzer UVB 76 4625 kHz 03/15/2021 telephone conversation UVB-76.**

[https://vk.com/radioreceiver?z=video-163779953\\_456241424%2F11176aaf301f6efc59%2Fpl\\_post-163779953\\_50719](https://vk.com/radioreceiver?z=video-163779953_456241424%2F11176aaf301f6efc59%2Fpl_post-163779953_50719) (Gennady Lisitsyn, Russia / <https://vk.com/radioreceiver>) (RUS-DX # 1131)

## Radar station (radar) "Duga" in Chernobyl is included in the state register of immovable monuments of Ukraine.

This was announced on April 21 by the Minister of Culture and Information Policy Alexander Tkachenko. "This decision has just been voted for at a government meeting," he wrote on his Telegram channel. According to the minister, the "Duga" itself was exposed to radar contamination, but the object remains "one of the calling cards" of the Chernobyl zone and its symbol. According to Tkachenko, this decision will increase the chances of entering the zone into UNESCO.

Radar station "Duga" of Chernobyl was stopped in 1986 after the disaster at the Chernobyl nuclear power plant. It was a secret object that made it possible to track high-flying targets at a distance of 900 to 3000 km in the polar zone. The height of the masts of the low-frequency antenna reaches 150 m, and the length is 500 m. The high-frequency antenna reaches about 250 m in length and up to 100 m in height.

In 2019, Ukrainian President Volodymyr Zelenskyy decided to open the Chernobyl zone for tourists. As reported in the fall of 2020, for the first time, a tourist cycling route with a length of 45 km will be laid through the zone.

[https://vk.com/radioreceiver?w=wall-163779953\\_50801%2Fall](https://vk.com/radioreceiver?w=wall-163779953_50801%2Fall)

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

(RUS-DX # 1131)

## South Pole Station

Wenn wir gerade in der Antarktis sind: Hier meine QSL Karte der **South Pole Station** zum alljährlichen Weihnachtssingen zwischen den Stationen. Ich war damals schon überglücklich die Signale schwach gehört zu haben, dachte es wäre von McMurdo gesendet worden. Nathaniel, W2NAF bestätigte mir aber zur gehörten Zeit die Station direkt am Südpol. Eine seltene "Rundfunk"-QSL.



(Christoph Ratzler via A-DX)

## QSL

Not exactly just a MW item but I think many DXers can remember the exciting feeling when receiving **QSL cards and letters** from abroad reaching their mailboxes.

Jaisakthivel Thangavel, a professor of Journalism and Communications at the University of Madras, is telling about this in an article published in "[The New India Express](https://www.newindianexpress.com/cities/chennai/2021/apr/24/a-cultural-crossover-2293934.html)"

<https://www.newindianexpress.com/cities/chennai/2021/apr/24/a-cultural-crossover-2293934.html>

(2021-04-24). It is well worth reading.

(Ydun Ritz, <https://mediumwave.info/news/> )



## SSTV SW experiment "SURA". A very unusual shortwave SSTV experiment.

Transmitter with power over 150 kW

Antenna field of 144 shortwave dipoles

When: May 7, 2021

Research Radiophysical Institute in Nizhny Novgorod

invites radio amateurs to take part in an interesting experiment on receiving radio signals reflected from the ionosphere.

Participation in the reception of these signals and personal informing about the presence of such a reception of the organizers of the experiment will determine the area of operation of transmission and reception of radio signals and reasonably confirm the correctness of the selected parameters of the experiment ...

Details in Russian - [https://vk.com/dxing?w=wall-3271973\\_5703](https://vk.com/dxing?w=wall-3271973_5703)

Source: [https://vk.com/radio\\_wave\\_club](https://vk.com/radio_wave_club)

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

(RUS-DX # 1131)

## FASCINERANDE RADIONAMN

DE HÄR TRE FASTNADE JAG FÖR: RADIO EMMA TOC, RADIO NARIZ DEL DIABLO, RADIO GAGA

*"TWO EMMA TOC"* var den tidens boksravering för radio 2MT, den första riktiga brittiska rundradiosändaren som kom igång i februari 1922 i Chelmsford utanför London.

Du kan höra memorialprogrammet Radio Emma Toc varje månad över flera stationer. Själv tar jag en halvtimme då och då för att lyssna på programmen från Radio Emma Toc International som finns i arkiv på webben, t ex via [www.emmatoc.org](http://www.emmatoc.org) eller Facebook. Jag njuter av det genuint brittiska med ett stänk av cockney och musiken. Jag är selektiv men hängiven anglofil.

*RADIO NARIZ DEL DIABLO* - Radio Djävulens Näsa - var en troligen kortlivad station på kortvåg från Ecuador. Läste om den i Nattugglan kring 1950.

Nariz del diablo är ett bergsmassiv med en formation som gett upphov till namnet. Sant är att djävulen slukar många människoliv i trafikolyckor vid berget.

*RADIO GAGA* var namnet på Queens succélåt från 1984. Den har gett upphov till artistnamnet Lady Gaga och namn på radiostationer i Rumänien och Serbien, kanske flera.

Har du som läser några favoritämnen bland radiostationer?

(Ullmar Qvick via NORDX)

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Re: [nordx] Radionamn med lite extra

Tack för ett intresant tema. Därifrån är det lättare hoppa över till annars konstiga radiostationer även enl innehåll. En av de mest kuriösa fenomen lär ha varit en Stasi opererad radiostation som ännu i dag kallas med namnet "Swedish Rhapsody" pga dess musik men som även ofta spelade Jean-Michel Jarres låt Les Chants Magnétique

[https://en.wikipedia.org/wiki/Swedish\\_Rhapsody\\_\(numbers\\_station\)](https://en.wikipedia.org/wiki/Swedish_Rhapsody_(numbers_station))

<https://www.youtube.com/watch?v=Rtw78l0L00k>

[https://www.youtube.com/watch?v=hgScmJUUCoI&list=RDhgScmJUUCoI&start\\_radio=1&t=8](https://www.youtube.com/watch?v=hgScmJUUCoI&list=RDhgScmJUUCoI&start_radio=1&t=8)

[https://www.youtube.com/watch?v=mIbZUQf\\_n0c](https://www.youtube.com/watch?v=mIbZUQf_n0c)

stationen påstods även spela på sk. Luxembourg Polka men litet oklart hur det gick. Det vore roligt att få höra också andras hågkomster om likande besynnerliga radiostationer på bandet.

(Kari Kallio via NORDX)

## RUSSIA: The last frequencies of the Cold War are about to be extinguished

In Eastern European countries, FM radio was transmitted on different frequencies and it was not possible to listen to signals coming from the West

During the Cold War, the FM band in Eastern European countries was different. Radio stations transmitted between 65.8 and 74 MHz (except in East Germany), called the OIRT band; frequencies used in the West by television. As a result, citizens could not pick up signals from capitalist countries, and vice versa. With the fall of the Berlin Wall, the band was gradually abandoned, but there are still several nations in Europe that have not switched off all their OIRT transmitters: Belarus, Moldova, Russia and Ukraine. In recent years, however, the decommissioning of the band has accelerated and the signals are now drastically reduced. In a number of articles, we examine the situation in each country...

<https://blog.radioreporter.org/russia-the-last-frequencies-of-the-cold-war-are-about-to-be-extinguished>

(via AER EDi & WOR)

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Theoretically the former COMECON block countries who joined to the OIRT established the OIRT band and theoretically their listeners couldn't receive western signals. I say theoretically because practically it was possible. There were radios which received both, the CCIR and OIRT bands like Videoton radios. These were available in shops. Plus if someone around you lived or were in western countries for a trip (this was only banned in the 1950s) these people could buy a radio over there and bring it back.

At home in Magyarlak, Hungary we always listened CCIR band and I listened OIRT too. As I wrote earlier when we discussed about televisions, the SECAM was the adopted system in the former socialist countries but you could bring your TV to a repairman and he implanted a SECAM-PAL decoder into it under the counter, ofcourse, non-officially for an extra price.

So, theory and practice is different and the article writers shall never discount us, those people's experience who lived under these systems.

And these solutions were not as expensive as people thinks. This is/was not North Korea!

Ofcourse If you had gone inland like into the middle part of the Soviet Union it was neither an option to buy these modified equipments nor important since your chances to receive Western signals or other CCIR FM ones were tiny due to the nature of the FM band and its propagating nature.

(Tibor Gaal, Budapest, Hungary via WOR)

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

This time, under "DX History-II/Lists, Logs, Guides & Columns," we have a reminder of how everyone wanted to get into the act when it came to having one of the early broadcast band "radiophone" stations. It is the WSKC radio log (look for the red "New"). WSKC was located in Bay City, Michigan. It went on the air in 1925, and was owned by the World's Star Knitting Company, offering "World Star Service from Yarn to You." The log is undated but looks like it is from the 1920s. In addition to the usual station list, there is information about the station facilities and equipment, and much about the manufacturing process and the mill. There are many photos, including one "view of looping machines which join the upper part of the reinforced toe of hosiery to the foot of the hose" (inquiring minds wanted to know). -- There are two new items under "Specialized Resources." In "The DX Recordings of Colin Miller," there is a new recording of the Voice of Free China, and in "The DX Recordings of Tetsuya Hirahara," three new recordings from Myanmar. *Tnx, Colin and Tetsuya.* -- Finally, in "Book Reviews," we have posted a review of the book, "Marconi: The Man Who Networked the World." It is reviewed by SWBC DXer and ham QRPer Gene Pearson, AA8MI. *Thanks, Gene.*

### **Problems with deliveries from the UK**

*Hilfe gesucht:*

*Ein Hobbyfreund aus Italien muß seinen defekten Wellbrook FLG100LN ersetzen, scheitert beim Neukauf aber daran das Wellbrook derzeit nicht in die EU exportiert. Der gewünschte Loopverstärker FLG100LN ist dort im Shop erhältlich wird aber nicht in die EU versendet.*

*Hat jemand eine kreative Idee wie man dem Hobbyfreund helfen kann damit seine Antenne wieder funktioniert?*

*73 Christoph Ratzer*

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This reshipping service works good for me: <https://www.reship.com/>

(Per Eriksson via A-DX)

### **[WOR] Hans Knot International Radio Report April/May 2021**

Hans has just sent me his latest report:

Time for a new Hans Knot International Radio Report. In the April/May edition there's a lot of interesting items. For instant there is a story about 175 radio sets which were on the market with names from offshore radio stations on the dial. There's news about the Offshore Radio People Role of Honour, Graham Johns tells about a visit to the Mi Amigo in 1976. Most interesting is a story from Barry Bridel. I wrote in 2011 about Carl Mitchell his notes from 1970 in which he mentioned that 4 people got in problems and were taken onboard the MEBO II. Barry comes, after 51 years, with a long and full story about what happened, including many rare photographs. Jan van Heerden was a couple of weeks onboard the MV Martina, from Radio Delmare, but never came on the air. We hear about the Radio 270 DVD, from Rick Randell, news about the former trip tender and a 5 double cd with Caroline tunes and jingles. You can download the newsletter here:

<https://www.hansknot.com/reports/hans%20knot%20int%20radio%20report%20-%202021-02.pdf>

(Mike Terry via WOR)

### **YouTube Video zum Thema Störungsentfernung von Steve Babcock**

*Hier für unsere Hardcore DXer ein Hinweis auf ein ausgezeichnetes englischsprachiges YouTube Video zum Thema Störungsentfernung von Steve Babcock: Wenn Sie jemals versucht haben, das lokale Rauschen mit einer Phasenbox (Rauschunterdrückung) wie dem MFJ-1026 oder NCC-1 zu eliminieren und enttäuscht waren, müssen Sie sich dieses Video ansehen. Seit 15 Jahren verwende ich bei VE6WZ sowohl den MFJ-1026 als auch den NCC-1, um das lokale Rauschen an meinem Stadt-QTH zu eliminieren. Ich zeige die Theorie, wie diese Boxen funktionieren, und gebe einige Tipps zur*

Einrichtung und Einstellung, um Erfolg zu haben. Dies ist ein HOW-TO-Video für diejenigen, die mit diesen Geräten nicht vertraut sind. [https://youtu.be/Gt0Hokz\\_m3w](https://youtu.be/Gt0Hokz_m3w)  
(Christoph Ratzler via A-DX)

## WBCQ 9330 AM - World's Last Chance Radio - Technical Notes with Allan and Angela Weiner



Sit down interview with Allan and Angela Weiner, owners of WBCQ radio - 9.330 AM. Technical discussion about station construction, its electronics and the importance, and relevance, of short-wave radio in the modern world.

From the Antique Wireless Association Member's Forum:  
<https://www.youtube.com/watch?v=9dUaMXxWYao>

(Jerry Berg via DXPlorer)

## The active ferrite antenna RFA1

Our RLA4 loop antennas, especially the shielded versions 4E and 4G, offer excellent broadband reception without tuning and with little interference from the environment. However, in this day and age, such interference continues to increase and impair reception. There are 2 basic options for further reducing interference: Frequency selectivity (tuning) and reducing the dimensions of the antenna.

Our latest development follows both paths: The active ferrite antenna RFA1. It works with a tunable resonant circuit on a ferrite rod that is only 8 cm long. The resonant circuit coil is also electrostatically shielded ("Faraday cage"). The result is an extreme insensitivity to interference.

Of course, the RFA1 offers other special characteristics compared to conventional ferrite antennas, which enable high reception performance and comfortable operation despite the small dimensions and the need for tuning:

- Highly sensitive amplifier with extremely low self-noise and very low distortion.
- Complete metal shielding of the amplifier and cage shielding of the receiving coil. Little hand sensitivity is the result.
- Continuous tuning without changeover switches or plug-in modules from approx. 0.13 - 10 MHz (prototype, minor changes in serial production possible).
- Electronic tuning without mechanical parts (rotary capacitor) or capacitance diodes (no diode intermodulation).
- Adjustable quality multiplier for changing bandwidth and output level.
- Remote control via HF cable with RSW4 (WiFi / Internet possible) or from the (s)Pocket receivers.
- Power supply via internal 9V block (7.4V Li possible), DC "hollow pin" connection or rf cable 6 - 15 V / approx. 35 mA (without display lighting)

(<http://www.reuter-elektronik.com/html/news.html>)



Von Reuter Elektronik gibt es nun doch die aktive Ferritantenne RFA1B zur Außenmontage, speziell in gestörter Umgebung. Die Antenne fällt praktisch nicht auf. Nähere Infos gibt es auf seiner Homepage unter "Neuigkeiten".

Zitat Herr Reuter:

"Und es kommen zunehmend öfter Fragen nach einer kleinen, "nahezu unsichtbaren" und relativ störfesten Antenne für draußen. Scheinbar haben die Corona-Zeiten auch für ein kräftiges Anwachsen der "urbanen Störungen" gesorgt (PLC, TV, Computernutzung...). Im Haus ist der Empfang oft kaum noch machbar. Und draußen können viele keine größere Loop aufstellen oder lange Drähte spannen usw. Da könnte die 1B vielleicht eine kleine Marktnische finden."

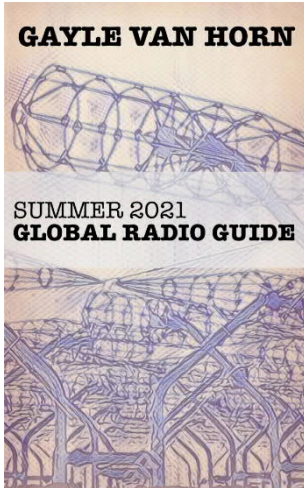
(Marco Steiner via A-DX)

RFA1B waterproof for outdoor installation and remote control of RSW4 / (s)Pocket



RFA1 with integrated control unit for autonomous operation and remote control

## 16th Edition of the Global Radio Guide Now Available



Sometimes in life, what is old becomes new again. Familiar names and voices we long have placed into the recesses of our minds, suddenly spring back to the forefront.

It can be that way with radio as well. What we sometimes consider to be antique transmissions of a bygone era can re-emerge in a digital world, as if time had merely paused. They ensnare the attention of both those who were around for the glory days, as well as those hearing these signals for the first time.

Read more at <https://swling.com/blog/2021/04/16th-edition-of-the-global-radio-guide-now-available/>  
(SWLing Post)

## Guest Post: A visit to Museo Marconi in Villa Griffone, Pontecchio, Bologna



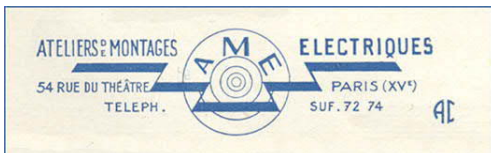
Many thanks to *SWLing Post* contributor, Ferruccio Manfredi (IZ1096SWL), who shares this report and excellent photo tour from a visit to the Museo Marconi in Bologna, Italy in 2018.

Read the full story here:

<https://swling.com/blog/2021/04/guest-post-a-visit-to-museo-marconi-in-villa-griffone-pontecchio-bologna/>

(via SWLing Post)

## A.M.E "Ateliers de Montages Electriques"



A.M.E "Ateliers de Montages Electriques" was a French company providing transmission and reception equipment.

Renowned for the robustness and quality of its equipment, this company provided: Military transmission services: Army, Navy, Air Force, National Gendarmerie, administrations: S.T.I., Phares et Balises, P.T.T, Embassies,

T.A.A.F ...) listening centers of all kinds ... press agencies, passionate individuals.

## A.M.E 8G 1660 type 8, (Military version RR-10-B)

The 8G-1660 is a general coverage receiver. It allows reception from 70 kc / s to 35 Mc / s, in eight sub-ranges. It also allows reception of SSB.

It is a Double Superheterodyne equipped with 18 tubes, a first IF at 1400 kHz and a second IF at 60 kHz.

The A.M.E 1660 Type II is the twin brother of the RR10 except for the second frequency change to 60 kHz instead of 80 kHz.

<https://forum.doctsf.com/t/restauration-recepteur-a-m-e-8g-1660-b/5532>







# Bye Bye to AIR Panaji on SW

- Jose Jacob VU2JOS



Entrance of SW & MW Transmitter Site

Goa was a Portuguese colony for 450 years located in the West coast of India, South of Mumbai and became part of India on 19 December 1961. It is the smallest state of India. Panaji is the capital which is also known as Panjim. It has a separate culture of its own. The local language is Konkani. Marathi and English are also spoken and a few also speak Portuguese. Goa is a popular tourist destination for foreigners and Indians. The city has many beaches, churches and bars. The 400 year old body of St. Francis Xavier is preserved in a church here. There are several floating casinos and hotels in Panaji. Fenny, the liquor made from cashew is famous here.

In this article we look at broadcasting in Goa on SW due to the fact that AIR Panaji has left SW recently. I have fond memories of my 3 visits to the station.

## **Early days (Emissora de Goa):**

The first experimental broadcasts on SW in Goa started on 20 May 1946 with Amateur radio equipment of 500 watts. A special stamp was released on the occasion. Later in 1949, a 1 kW SW transmitter was used followed by SW transmitters of 7.5 from 1951. In 1959 Emissora de Goa as it was known (Radio Goa) used a 10 kW SW transmitter to broadcast to Middle East & Africa which was very popular. In 1960 a 50 kW Philips SOZ283 SW transmitter made in Netherlands was added for overseas service. Due to the liberation movement in Goa the station was taken off the air on 18 Dec 1961 at 8.00 am. When Goa was taken over by India on 19 December 1961, the radio station was bombed.

"Transmitter Documentation Project" lists the following SW transmitters from Panaji in those early days.

1946:	500 W	1949-1951:	1 kW	1951-1961:	7.5 kW
1959-1961:	10 kW	1961:	50 kW		

## **AIR Panaji:**

All except the 5 kW Gates MW transmitter melted in the bombings by India during the liberation of Goa. This transmitter was repaired and came on air about 3 weeks later on 10 January 1962 with temporary set up on MW. On 1 April 1963, the station was renamed as All India Radio.

The studios and offices of AIR Panaji which broadcasts to the local audience on MW & FM is presently located at Altinho, on top of a hill. Very close by is the Doordarshan TV / AIR FM station.

The AIR Panaji High Power Transmitting complex is located on the coast next to the Goa University in an area called Bambolim, about 12 kms away from the studios. The transmitters are in a single story building. Located here are the transmitters of SW, MW and Private FM stations. The SW transmitters were being used exclusively for External Services while the MW transmitters for Home Service.

On the left side of the building are the two SW transmitters of 250 kW each of Asea Brown Broveri, ABB SK 53C3ZP model made in Switzerland and is named after two local rivers. The first transmitter known as P1 is called Mandovi while the second transmitter P2 is called Zuari. They started tests in 1994 and was used exclusively as a Relay Station for the AIR External Services to Asia, Africa and Australia in Arabic, Dari, English, Gujarati, Hindi, Malayalam, Nepali, Persian, Pushtu, Sinhala, Tamil, Telugu, Thai, Tibetan and Urdu etc. It is interesting to note that there was never any identification given on air as AIR Panaji on SW but the Dxers found it out from various other sources like AIR QSL cards and other sources! Their antennas are spread out among 6 towers which are very close to the main road. Programs originated in Chennai (Tamil Thiruvanthapuram (Malayalam), Hyderabad (Telugu) and Delhi (other languages). These transmitters were capable of operating between 3.9 to 26.0 MHz but used to operate mostly on various frequencies between 7.250 and 15.410 MHz. They switch on the transmitter in standby mode about half an hour before the scheduled broadcast. During my visit, I watched with interest while they switched on their transmitter on 15410 kHz at around 1045 UTC, for the program which started just before 1115 UTC. The frequency was punched manually through a key pad every time. These SW transmitters were taken off the air for long periods several times due to technical problems.

Ultimately, the P2 SW transmitter of AIR Panaji was decommissioned on 30 July 2019 after serving for 25 years. The last SW transmissions from the other remaining P1 transmitter of AIR Panaji was on 24 March 2020 when AIR suspended its External Services due to National Lockdown because of Covid 19. Subsequently this transmitter was decommissioned on 8 January 2021.

The frequencies used by AIR Panaji during the last days (B19 period) were 11590, 11620 11740, 12025, 15185, 15210 & 15770. Experienced DXers could identify AIR Panaji's SW transmission from a particular type of hissing sound accompanying their broadcasts!

Though AIR Panaji is off SW now the station still operates on MW & FM for the local audience as follows. 828 kHz 20 kW, 1287 kHz 100 kW (+DRM on 1278 kHz), 101.1 MHz 10 kW & 105.4 MHz 6 kW.

QSL Verification was issued from the station as well as from their HQ in New Delhi.

AIR Panaji on SW will surely be in the minds of BCDxers all over the world with fond memories.

#### **References:**

Dr. Adrian M. Peterson, AWR, USA

AIR Panaji web site [www.airpanaji.gov.in](http://www.airpanaji.gov.in)

"Reminiscences" by S.P. Bhatikar, Engineer, Radio Goa/AIR

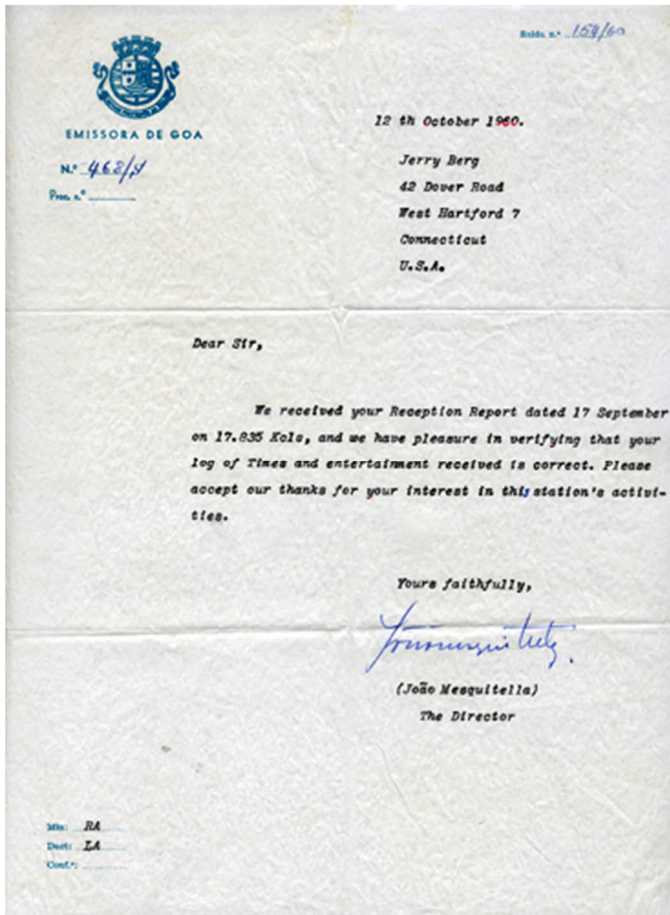
Transmitter Documentation Project by Ludo Maes, Belgium

Jerry Berg [www.ontheshrotwaves.com](http://www.ontheshrotwaves.com)

Visit to station / Internet



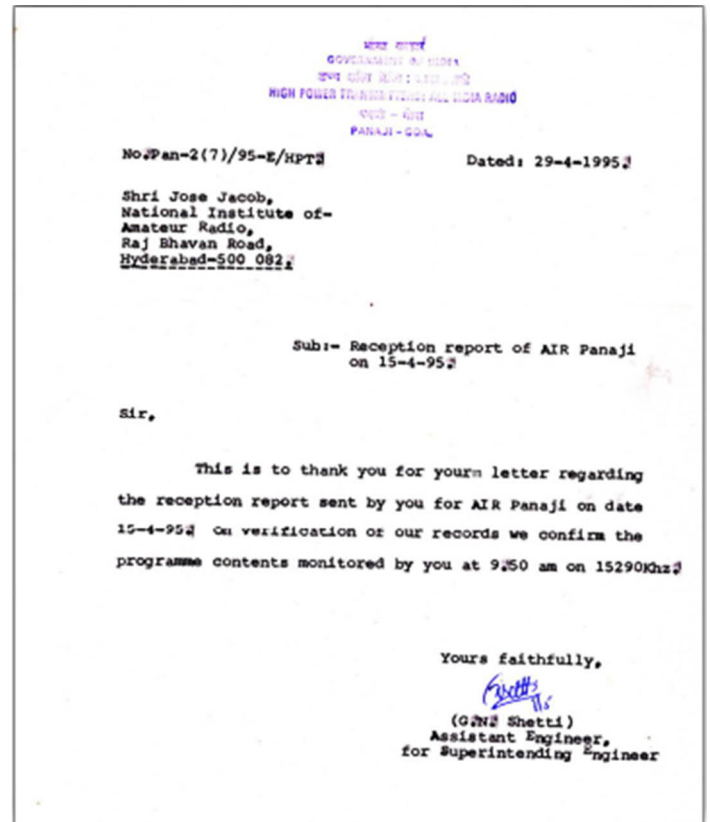




Emissora de Goa (All India Radio) c. 1960



All India Radio Panaji, Goa.



(Asian DX Review / Indian Dx club International -Volume 39-No 559-May 2021 with permission from Jose Jacob)