

SHORTWAVE BULLETIN

Issue no. 1931, Aug 25, 2019.

Deadline e-mail next issue: 0800 UTC, Sept 8, 2019.

BDXC has a very informative story of Bolivian Mining Radio. This article can be found on a few internet pages. See the links to the right.

Another item, maybe not shortwave related, is the interest DX-ers have in the transmissions from old SAQ transmitter on 17,2 Khz.

Grimeton is the place where this old transmitter is located. The transmission antenna is very impressive, 2,2 km long and the 6 antenna towers are at least > 100 m high.

Another interesting tip came from Christoh Rater. There is a free, monthly, general interest amateur radio e-Zine called **The K9YA Telegraph** with lots of interesting stuff. You can spend hours to look at the pictures.

Also many thanks to all contributors for the log and for scanning of verifications and old QSL's.

If you have something of interest, please share!

Keep on

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SWB-info

SWB on HCDX:

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

SWB member information:

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

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.

Giampiero Bernardini, Milano. Here a few tips, made just testing for the first time new SDR receiver AirspyHF+ Discovery in Milan city with my short folded dipole.

See: <https://playdxblog.blogspot.com/2019/08/airspyhf-discovery-appena-arrivato.html>

Christer Brunström: Radio Exterior de España 11670 surprised me by mailing a proper QSL-card and a few RNE stickers.

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Bolivian Mining Radio By Martin Butera



Radio Mineras Bolivianas are unique in the world, because they belonged to the unions of mining workers, and were created to defend the interests and the struggle of the workers' movement.

This very informative article can be downloaded for free from <http://bdxc.org.uk/bolivia.pdf> BDXC Communication June 2019 © Martín Butera British DX Club

This article can also be found here: <https://swling.com/blog/>

Martin Butera is an Amateur Radio operator with more than 29 years of experience, and has participated in DXpeditions throughout South America, with the Argentine radio callsign LU9EFO and Brazilian callsign PT2ZDX.

It is to collaborate for the newsletter of the British Dx Club (United Kingdom).

Martin is Argentinian, born in the city of Buenos Aires capital. He currently lives in Brasilia DF, capital of Brazil.

(From SWLing Post)

SAQ receives 438 listener reports, Southgate, August 23, 2019

Alexanderson Alternator station SAQ says it received 438 listener reports — 'an incredible amount' — for its June 30 Alexanderson Day transmissions from Sweden including 8 'super' DX reports, five from the USA and three from Canada.

The historic electro-mechanical transmitter, which dates back to the 1920s, is fired up periodically throughout the year on 17.2 kHz.

"We are very thankful for all your enthusiastic and positive feedback, with images, recordings, videos, and even Morse ink writer strips," SAQ said.

The station is a World Heritage Site in Grimeton, Sweden and SAQ's June 30 message commemorated the 100th anniversary of the first east-to-west transatlantic voice transmission from the Marconi station in Ireland to Cape Breton Island, Nova Scotia.

SAQ has posted an interactive map showing the locations of all received listener reports from recent transmissions and video of the Alexanderson Day transmission event has been posted to its YouTube channel.

<https://www.youtube.com/user/AlexanderSAQ/videos>

www.southgatearc.org/news

(Mike Terry via WOR)

3310	Aug22	0000	Radio Mosoj Chaski, Cochabamba very weak om in Quechua (Wilkner)
3325	Aug17	1312	Voice of Indonesia, via RRI Palangkaraya. Was wishful thinking on my part today to think that they might have a decent audio level, seeing as it was their Independence Day, but no, just the usual carrier (totally unusable), at 1312 (no English heard, just the carrier) (Ron Howard, Asilomar State Beach, CAWOR iog via DXLD)
3910	Aug7	1226	VoPeople (Kyonggi-do). Nice to find the usual NK jammer off this morning for at least a few minutes leaving VoP in the clear with fair signals //3930. (Sheedy)
3915	Aug18	2235	BBC, Kranji English conversation about Ireland (AP-DNK)
3930	Aug13	2038	Voice Of The People (cland.), Goyang. Kor to KRE, tks, songs. Jammed. 34331 (CG)
3985	Aug15	1840	R Slovakia International via Shortwaveservice, Kall-Krekel French report about a festival in Slovakia QRM R Echo of Hope (AP-DNK)
3985	Aug15	1840	R Echo of Hope, via Gyeonggi-do, South Korea Korean ann. - jammed (AP-DNK)
3985	Aug7	1227	Echo of Hope (Hwaseong). NK jammer on holiday here as well as on 5995. (Sheedy)
3995	Aug18	2240	LifeFM via HCJB, Weenermoor English talk about Wars, hymn (AP-DNK)
4080	Aug11	2057	R.Mustang - pir. Du/E, pops, tks. 35433 (CG)
4765.06	Aug18	1935	Tajik R 1, Yangiyul Tajik report (AP-DNK)
4800	Aug14	0035	AIR, Hyderabad English news, 0040 Telegu ann, local song (AP-DNK)
4800	Aug18	2245	Voice of China, Golmud Chinese talk with music behind, relayed by Xizang 4820 (CWQRM in USB) (AP-DNK)
4810	Aug14	1748	AIR, Bhopal, comments. Extended program due to West Indies cricket. (Méndez)
4875	Aug15	0255	Radiodifusora Roraima, Boavista, Brazilian songs. (Méndez)
4875.04	Aug18	2250	R Difusora Roraima, Boa Vista, RR talk, music (AP-DNK)
4885	Aug18	1940	R Echo of Hope, via Taereung, South Korea English talk about Sunburn, translated into Korean (AP-DNK)
4885	Aug13	2010	Echo of Hope, Seoul, Korean, comments. // 6250. (Méndez)
4885	Aug22	0020	Radio Clube do Pará, Belém, PA. Noted om in PT with brief music, good signal (Wilkner)
4885.03	Aug18	2255	R Clube do Pará, Belém, PA conversation (AP-DNK)
4910	Aug14	1750	AIR, Jaipur, comments. Extended program due to West Indies cricket. (Méndez)
4930	Aug18	1930	VOA, Moepeng Hill English ann, pop songs - audible only in LSB, AM and USB was heavily disturbed by noise (AP-DNK)
4950	Aug15	1730	Radio Kashmir aus der leider wieder einmal unruhigen Region Jammu & Kashmir ist gegen 1700 Uhr UT bis zum Sendeschluss um 1745 UT hier im Tropenband auf 4950 kHz zu hören. Der Sender aus Srinagar ist nach der Abschaltung von Internet und Mobiltelefonen auch eine der wenigen Informationsmöglichkeiten der lokalen Bevölkerung im Kaschmirtal. (Christoph Ratzer via A-DX)
4950	Aug12	0040	R Kashmir, Srinagar (t) Whistling tone, no audio QRM Angola. No signal 14.8 0035, but heard 12.8 at 1605-1610 vernacular talk, music (AP-DNK)
4949.7	Aug14	0450	Radio Nacional de Angola, Mulenvos, songs, at 0500 id. "Radio Nacional de Angola", news. (Méndez)
4949.75	Aug14	0040	R Nacional de Angola, Mulenvos Portuguese talk QRM R Kashmir (AP-DNK)
5005	Aug15	*0513-	Radio Nacional, Bata, open with African songs. Very weak. (Méndez)
5020	Aug19	-1159*	SIBC. Another day with some audio; usual format; calliope and news; DJ with dedications for pop songs; ending with the usual evening devotional, given by a woman, which is unusual; ID and cut off before NA. (Ron Howard, Asilomar State Beach, CA, USA)
5040	Aug14	1755	AIR, Jeypore, comments. Extended program due to West Indies cricket. (Méndez)
5040	Aug23	1327	AIR Jeypore. Special live coverage in English (accented) and Hindi, of the India vs West Indies cricket match being held in Antigua; semi-readable; a few commercial announcements (Hindi); breaking for news in Hindi (1345-1355); preempted regular programming. My audio at http://bit.ly/30uU1Hp (Ron Howard, Asilomar State Beach, CA, USA)
5050	Aug18	2300	WWRB, Morrison, TN English religious talk, music (AP-DNK)
5055	Aug17	-1249*	Radio 4KZ, noted cut off at 1249*, in mid song. BTW - Nothing heard on the future additional frequency of 2484/2485 (Ron Howard, Asilomar State Beach, CA, WOR iog via DXLD)
5130.42	Aug18	2305	WBCQ, Monticello, Maine English religious talk (AP-DNK)
5840	Aug12	2050	World Music Radio, Denmark, songs, ids in EE, fair (Bernardini)
5840	Aug24	1200	World Music Radio, Randers. Nice selection of international music. 3 (CB)
5915	Aug12	2055	NBC Radio 1, Zambia, Vn, talks, weak (Bernardini)
5915	Aug13	0456	Zambia Broadcasting Corporation, Dole, at 0500 English. (Méndez)

5920	Aug17	1253	Voice of Freedom. Pop songs doing well till hit with Shiokaze sign on at *1300. Badly mixing together, per my audio at http://bit.ly/2P3cb1U . (Ron Howard, Asilomar State Beach, CA, Etón E1, antenna: 100' long wire, WOR iog via DXLD)
5950	Aug18	1945	Voice of the Tigray Revolution, Addis Ababa Horn of Africa songs (AP-DNK)
5950	Aug15	1810	Voice of Tigray Revolution, Addis Ababa, East African songs. (Méndez)
5970	Aug12	2100	VOA, Mopeng Hill, Botswana, FF, reports, later EE lesson, good (Bernardini)
5985	Aug16	1131	Myanmar Radio, from 1131+. Fair reception of the live coverage (TV audio feed), in vernacular, of the football/soccer match between Southern Myanmar (under 21) vs Dagon (U21); played at Yamanya Stadium (Mawlamyine, Myanmar); strong sound of the crowd in the background; preempted regular programming; during the half time, played songs. My audio at http://bit.ly/2P36vEX (Ron Howard, Asilomar State Beach, CA, WOR iog via DXLD)
5995	Aug12	2103	RTV Mali, FF, talks, fair (Bernardini)
5995	Aug24	1850	Radio Mali, Bamako, English, news about Mali and other African countries. (Méndez)
6015	Aug13	0447	Zanzibar Broadcasting Corporation, Dole, Swahili, comments. (Méndez)
6015	Aug7	1228	Hanminjok Bangsong 1 (Hwaseong). HB1 doing nicely with, yes, the NK jammer off..also no jamming noted on 2 now-unused SK frequencies: 6003/6135. (Sheedy)
6035	Aug14	1136	BBS, with pop songs; *1140, start up of FM99 relay via PBS Yunnan and at *1150, start of the jamming spur from 6045 jamming. Aug 12, BBS off about 1200; Aug 11, off at 1146* (Ron Howard, Asilomar State Beach, CA, WOR iog via DXLD)
6045	Aug16	1233	National Unity Radio. Pop music in the clear; hit at 1235 with N. Korea jamming, but NUR doing okay. My audio at http://bit.ly/2z6yoBj (Ron Howard, Asilomar State Beach, CA, WOR iog via DXLD)
6070	Aug10	0800	R Atlantic 2000 International via Channel 292, Rohrbach French ID, special programme about former R Andorra with many Spanish ID's: "Aqui Radio Andorra", celebrating its 80 years anniversary; several English old songs, Atlantic 2000 address asked for reception reports (AP-DNK)
6070	Aug11	*1900-	Atlantic 2000 International, Rohrbach, tuning music, id. "Atlantic 2000 International", French, comments, pop songs. (Méndez)
6070	Aug22	0025	CFRX Toronto with news items, rather poor signal, IDs (Wilkner)
6085	Aug13	*0658-	Radio Mi Amigo International, Kall Krekel, pop songs, at 0700 time signals, id. "Welcome to Radio Mi Amigo International, Radio Mi Amigo International, bringing back the golden era of offshore AM radio, Mi Amigo", pop songs, comments. (Méndez)
6110	Aug14	2003	Radio Fana, Addis Ababa, East African songs. (Méndez)
6115	Aug13	*0541-	Radio Congo. Suddenly on (already in progress), in French; only slight QRM from Japan ("RN2") already here; by 0600, RN2 was improving (Ron Howard, Asilomar State Beach, CA, WOR iog via DXLD)
6115	Aug14	-1959*	Radio Congo, Brazzaville, French, comments. Extended program today. Strong QRM on 6110. (Méndez)
6130	Aug23	1950	TWR, MAN, Mos, IS Afro chor sg. (TB)
6135.2U	Aug22	0010	tent. Radio Aparecida, Aparecida, SP tweak in PT? This needs more work. (Wilkner)
6160	Aug12	2108	Shortwave Radio, Winsen, Germany, EE, oldies, good (Bernardini)
6185	Aug15	-0507*	Radio Educación, Ciudad de México, theatre play "El Hingenioso Idalgo Don Quijote de la Mancha", songs. (Méndez)
6190	Aug24	0630	Hamburger Lokalradio with Glenn Hauser's World of Radio. 2-3 (CB)
6210.2	Aug15	-1801*	Radio Kahuzi, Bukavu, Vernacular comments, religious songs. (Méndez)
7205	Aug12	1602	Sudan Radio, Al Aitahab, Arabic, comments. (Méndez)
7240	Aug12	1758	PBS Lhasa, Tibet, China, music, end of bc, good (Bernardini)
7280	Aug12	1800	Voice of Vietnam, Hanoi, Spanish bc, reports, good (Bernardini)
7330	Aug12	1730	Radio New Zealand, EE talks, weak fair (Bernardini)
7340	Aug12	1803	CRI, Kashi, Cina, Italian bc, reports, good (Bernardini)
7365	Aug12	1738	HCJB Bremen-Weenermoor, Germany, songs, tk G, good (Bernardini)
7415	Jul29	1911	CRI, URU, Cz, tk ab education invalid person //9515. (TB)
7435	Aug12	1744	VOA, Udon Thani, Thailand, Kurdish, talks, good (Bernardini)
7550	Aug12	1750	AIR, Bangalore, DRM service in English, good (Bernardini)
9265	Aug12	2115	WINB Red Lion, USA, EE religious fair (Bernardini)
9265	Aug23	1954	WINB, INB, E, tent YL chor sg 1957 OM tk. (TB)
9350	Aug12	2108	WWCR 2 Nashville, TN, USA, EE religious, fair (Bernardini)
9395	Aug12	2112	Radio Miami Int. Okeechobee, FL, USA, EE, songs, fair (Bernardini)
9400	Aug12	1810	Brother Stairs, Sofia, Bulgaria, EE religious, very good (Bernardini)
9420	Aug15	1830	Voice of Greece, Vathy Greek ann, nice Greek folksongs (AP-DNK)
9445	Aug12	1814	AIR Gos, Bengaluru, India, Indian mx, good (Bernardini)
9480	Aug23	1957	NHK R.Japan, YAM, --, IS. (TB)

9505	Aug14	1715	Voice of Africa, Al Aitahab, English, id. "The Voice of Africa from Radio Sudan, the forum of all Africans", "This is the ... Service of Voice of Africa", news. Strong QRM from Romania on 9500. (Méndez)
9515	Aug12	1820	KBS World Radio, Kimjae, S, Korea, Korean talks, good (Bernardini)
9515	Jul29	1914	CRI, SZG, Cz, tk ab education invalid person //7415. (TB)
9545	Aug20	-0459*	SIBC, 0417 till cut off at 0459*, Aug 20. Finally some audio that was at times briefly readable; commercial announcements and PSAs; several clear mentions of "Solomon Islands"; asking a question and giving multiple choice answers ("answer A, B, C, D or E"); several IDs; before cut off, mentioned changing frequency. Still a challenge to hear SIBC, but day-by-day seems to be improving. My audio at http://bit.ly/2Z5u3h5 (Ron Howard, Asilomar State Beach, CA, USA)
9545a	Aug9	-0459*	SIBC (p) 0440-0459* 8 & 9 August. Thanks to Ron Howard's info, SIBC's carrier easily heard (with 'imaginary-level-audio' at times) a few evenings each week..(Sheedy)
9630.4	Aug12	2118	Radio Aparecida, Brazil, PP, religious tk, songs, fair (Bernardini)
9665.421v	Aug10	0630	Voz Missionária in evangelical Brazuguese is audibly wavering as I try to measure it, and it's the OSOB, consequently also the SSOB! It had varied this much 38 minutes later when Wolfgang Büschel got it: ``9665.571 kHz on upper side flank now Brazilian station sermon heard in central Europe post, at 0708 UT on Aug 10, NOT FIX FREQUENCY, variable 15-20 Hertz moved around up and down`` (Glenn Hauser, OK)
9760	Aug22	-0615*	huge S9-S6 dead air, presumably RNZI which during its Thursday maintenance period is liable to test frequencies beyond their scheduled hours. Signal level is much like the SSOB we get from RNZI on 9700 before 0600. Richard Langley, visiting California, also had unID on 9760 a bit earlier: ``As noted here in Indian Wells this evening (22 August UT), there was a strong carrier on 9760 kHz with test tones before 0430 UT, then a straight carrier continuously except for a couple of brief pauses and then around 0500, a wideband signal appeared, presumably DRM. But from whom? RNZI? Anyone else with DRM capability use this frequency?`` The question is whether 9700-AM was on as usual at 05-06; if so, both transmitters would have been running. Hours for 9760 are DRM only, 1936-2058 on Sunday-Friday (Glenn Hauser, OK)
9920	Aug23	1956	R.Thailand, UDO, E, tk FREQ IS. (TB)
9955	Aug12	2125	La Rosa di Tokio, via WMRI, USA, DX programme in SS, weak (Bernardini)
9980	Aug12	2131	WWCR 4 Nashville, TN, USA, EE talks, weak fair (Bernardini)
11620	Aug15	0124	AIR, via Bangalore with special Independence Day coverage, at tune in of 0124; already on in Hindi; 0159, National Anthem; long winded speech 0203 till tuned out 0245; unable to make out the language. Better reception than 15030. (Ron Howard, Asilomar State Beach, CA, Etón E1, antenna: 100' long wire, WOR iog via DXLD)
11725	Aug12	2135	Radio New Zealand, EE, songs, fair (Bernardini)
11750	Aug12	2140	KSDA, Agat, Guam, CH Mandarin, slow talks, fair (Bernardini)
11760	Aug12	2144	Radio Habana, Cuba, SS, talks good (Bernardini)
11770	Aug22	1700	Voice of Nigeria with the Armed Forces show in English. 3 (CB)
11775	Aug11	1839	PMS is on with poor signal. This corresponds to the websked for Sunday as 16-22 UT; and she was not on at earlier 1423 check (Glenn Hauser, OK)
11855.734v	Aug13	2217	R. Aparecida, S4-S5 in Brazuguese talk, splitting right here at the moment, edging a bit further away from 11850.0 RHC (Glenn Hauser, OK)
15030	Aug15	0140	AIR via Bangalore; by 0140, was able to finally confirm was in English, but unreadable; frequency covered by strong CODAR RN; at 0159 also // 11620 for National Anthem and same 0203-0245 speech; very poor (Ron Howard, Asilomar State Beach, CA, Etón E1, antenna: 100' long wire, WOR iog via DXLD)
15190.1	Aug15	1630	Radio Inconfidencia, Belo Horizonte, id. "Inconfidencia". (Méndez)
15220	Aug24	1120	CRI, KAS, Cz, LL // 17570. (TB)
15476	Aug24	1410	LRA 36, Radio Nacional Arcángel San Gabriel, Base Esperanza, on air today Saturday, the first time ever I hear it on Saturday, here in Lugo only extremely weak carrier, but via SDR Kiwi remote receiver in Pardinho, Sao Paulo, weak to fair signal, 15475.97, Latin American songs in Spanish. (Méndez)
15530	Aug23	0700	Radio Kuwait with a most interesting historical programme discussing Kuwait's relations with the Ottoman Empire. 3-4 (CB)
15770	Aug12	1300	RAE via WRMI with a "secret" broadcast in French as it is not listed on RAE:s homepage. A nice show with information about an international tango festival in Buenos Aires and a 7-minute DX segment featuring a recording of Radio Fana in Ethiopia. 3 (CB)
17570	Aug24	1117	CRI, KAS, Cz, tk jin LL //15220. (TB)
21504.98	Aug24	1453	R.Saudi Int., RIY, A, tent Ar mx 1457. (TB)
21670	Aug24	1126	R.Saudi Int., RIY, Ins, tent tk. (TB)
21690	Aug24	1457	RFI, ISS, Swa, carrier 1458 strong power RFI ID ID jin YL tk NX. (TB)
21695	Aug24	1050	PHL VOA TIN x CHN CNR?, ., Ch, tent CH tk, looking as one station. (TB)

Pirate stations:

3905	Aug11	2055	R.Elvis (t) - pir. Pops. T-ID via DX press. 25331 (CG)
4080	Aug11	2057	R.Mustang - pir. Du/E, pops, tks. 35433 (CG)
5140	Aug12	1826	Charleston Radio Int., Germany, pirate, usual oldies, G & EE, good (Bernardini)
5799	Aug13	2058	R.Focus Int'l - pir. Mx. ID via DX press. 25331 (CG)
5804.6	Aug16	2254	R.Focus Int'l - pir. Pops. ID via DX press. 25342 (CG)
5825	Aug14	2109	R.OZ-Viola (t), Hillerød. Songs. T-ID via DX press. 15331 (CG)
6205	Aug12	2112	Laser Hot Hits, Ireland, pirate EE songs, weak fair (Bernardini)
6224.8	Aug10	2108	R.Technische Man - pir. Du/E, pops. 35433 (CG)
6275	Aug13	2046	R.Black Bandit - pir Du, tks, pops, oldies. 45433 (CG)
6284	Aug11	1802	R.Joey - pir. Pops. Better ar 2050. 35342 (CG)
6300	Aug10	2106	Cupid R - pir. Pops. ID via DX press. 35433 (CG)
6300	Aug14	2102	R.Fox 48 - pir. Pops. ID via DX press. 25331 (CG)
6680	Aug11	2053	R.Deltracks - pir. Mx. T-ID via DX press. 25331 (CG)
7470	Aug9	0430	YHWH (religious pirate). Marginal propagation or his amp went 'blooie', as signal @ best was very poor both days..probably propagation as the last few times I've heard YHWH, the signal was fair-good, but bothered by really deep fades. (Sheedy)
9290.3	Aug15	2108	R.Space shuttle Int'l - pir. Tks, pops. ID via DX press. 25331 (CG)

Contributors to the log:

wb, Wolfgang Büschel, df5sx, wwdxc BC-DX TopNews, DXLD, DXPlorer, A-DX Glenn Hauser, Enid, OK, USA (also from WOR&DXLD) Ron Howard, Asilomar State Beach, CA, USA AP-DNK, Anker Petersen, Skovlunde, Denmark Giampiero Bernardini, Milan, Italy Bob Wilkner, Pompano Beach FL	CG/(CGS), Carlos Gonçalves, Lissabon, Portugal CB, Christer Brunström, Halmstad. Sweden Méndez, Manuel Méndez, Lugo, Spain Christoph Ratzler, Salzburg, Austria via A-DX TB, Tomas Burian, Morava, Moravia Dan Sheedy, Encinitas/Moonlight Beach, CA
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(CG) = **Lisbon**. JRC NRD-545DSP & PERSEUS *sdr*; homemade amp. (W7IUV version); 20 m & 16.7 m T2FDs, 5 MHz dipole, 6x19x6 m Ewe 135°, raised, 4 loop K9AY

((CGS)) = **SW coast** JRC NRD-545DSP & DRAKE R8-E; *Advanced ReceiverResearch* amp.; 20 m T2FD, 30 m 180°/0° mini-Bev., 80 m 300°/120° Bev., 200 m 270°/90° Bev., 270 m 145°/325° Bev., 300 m 225°/45° Bev., raised, 4 loop K9AY.

Station news

BANGLADESH. 4750, Bangladesh Betar. What is happening here? Aug 21, tuned in at 1141 and heard two stations mixing together (CNR1 & UNID). Since about March of this year, BB had been coming on at 1230, with their external service (1230-1300, in English) and was no longer running the home service programs. The UNID today had good audio, unlike the recent hum/buzzing noise of BB. After listening for a bit, I assumed the UNID was in fact the **home service** of BB; playing subcontinent music/singing and sounded as if in Bangla. Cut off at 1219*.

Then about 1233, heard the transmitter with the hum/buzzing sound and seemed like the **BB external service** in English; by 1252, was able to confirm in English; transmitter off at 1300 (end of hum/buzzing noise). At *1308, back on again with the hum/buzzing sound, but also heard with CW starting at the same time. Heard CW yesterday, but didn't associate it with BB, but seems it really is from BB? At 1313, the start of the BB IS (just like yesterday), with the CW ending, but the hum/buzzing noise continued. What was this CW? Clearly this needs more work!

So the home service transmitter works fine (good audio), but not the one for the external service (hum/buzzing noise)?

My audio of HS music (mixing with CNR1), at <http://bit.ly/2ZhEk5g>

My audio of CW and hum/buzzing sound (mixing with CNR1), at <http://bit.ly/31Pscd6>

(Ron Howard, Asilomar State Beach, CA, USA)

Friends,

I think it is hardly possible to detect if the transmitter is ailing with this buzz or the studio audio quality is bad if the transmitter's frequency stability is the same as before and the two signals (home service then the international) are broadcasted from the same transmitter. My assumption that the audio line in the studio(s), or inside the building where the studios are located, can be bad, for example, two wires are too near to each others - especially an electricity-supplying wire and an audio-carrying wire, or similar things. It can happen everywhere even inside of the building where the studios are located. In a radio the studios aren't connected directly to a far-away transmitter. First, the studio's audio signal used to run into a

central switching board where the signal(s) are sent to the transmitter on one way or on another (e.g. via microwave, or a dedicated physical line - usually nowadays - optical cable).

Imagine, that a national-level radiostation sends 2-5 programmes simultaneously out to the transmitter, they cannot run a separate copper wire (or optical cable or whatever) from every studio to the transmitter.

The studio equipment in the developing countries are mixed: they contain not only digital equipment, or, as a horror, only a computer with a digitalised library of stuff, but also old audio equipment too. And these two must work together somehow, this cooperation can also produce a parasitic (unwanted) signal.

When i visited a privately owned FM radiostation Klub Rádió (Budapest, 92.9 mHz) 1-2 years ago my big shock was that a studio contained only the following:

headphone for the presenter and the possible guests in the studio, 1-2 microphones and their holders, a computer, a mixer, 1-2 telephones, a table before the presenter and some chairs.

The old radio studio atmosphere was visible only in the following:

The studio was separated with a glass wall which separated the presenter from the technical staff and they communicated either by hand-signs or via an internal intercom system.

This remained from the former magic of a studio, its equipments (tape recorders, tape cutting table, cassette recorder {not only 1 size because of differently-sized audiocassettes}), very big mixers, and similar wonders).

Now the computer can do the recording, the cutting of the material, storing the programs or the whole daily broadcasting in a programme library.

(Tibor, Budapest, Hungary)

OK, you are most probably right, that in this case the hum originates from studio feed. I didn't read Ron's original message carefully enough:

he first heard home service without hum and then foreign service with hum. Most probably there is only one transmitter in use and HS studio feeds without hum and FS studio has it. Whatever causes the hum, they are visible in the spectrum. Also the the side carriers are not multiples of ± 50 Hz as in the case of mains hum they would probably be.

Now after 1630 they are again off the air, so big problems there. Will we ever hear the foreign service big transmitter on the air again?

Now at 1735 they are on. The side carriers are multiples of ± 50 Hz. There is an additional strong 1 kHz tone. Ron, the CW is on 4753 kHz, visible here. At 1745 English started and test tone stopped, but audio is very bad.

(Mauno Ritola, Joensuu, Finland)



Aug 23 - BB (4750) transmitter turned on at 1224 UTC, with hum/buzzing noise. Listening through 1320, but today with no audio (no external service audio from 1230 to 1300, nor any external service audio 1315+), just non-stop hum/buzzing noise the whole time. Also checking earlier before 1200 and today no home service.
(Ron Howard, California)

INDIA. My annual monitoring of AIR stations on the eve of Independence Day; Aug 14, from 1330+; intro ID in English and Hindi;

National Anthem, followed by the President of India address to the nation, first in Hindi, then repeated in English.

4760 AIR Leh - not heard.

4760 AIR Port Blair - only an open carrier; no audio detected.

4800 AIR Hyderabad - strong CNR1, with some faint AIR audio underneath.

4810 AIR Bhopal - heard.

4835 AIR Gangtok - heard with the usual transmitter hum/buzz, but no audio.

4895 AIR Kurseong - off the air today (nor was Mongolia present).

4910 AIR Jaipur - heard.

4920 AIR Chennai - heard, but very weak underneath Tibet.

4950 AIR Radio Kashmir, Srinagar - heard with definite audio.

4970 AIR Shillong - continues to be silent.

5010 AIR Thiruvananthapuram - heard, but very weak audio.

5040 AIR Jeypore - heard.

9380 AIR, via Aligarh - off the air.

9865 AIR, via Bangalore - well heard.

My edited Bangalore audio at <http://bit.ly/2yZwPFq> .

(Ron Howard, Asilomar State Beach, CA, WOR iog via DXLD)

ZAMBIA. 5915, R. One/ZNBC1. Regarding my recent reports of erratic reception, have received the following updated, very helpful info from Ray, on Aug 18: *"Hi, Ron. My staff in Zambia tell me that the state-run broadcaster, ZNBC, has negotiated with the state-run electricity utility, ZESCO, to be exempted from load shedding. Thus, ZNBC1 on 5915 kHz should still be on air 24x7, barring any transmission equipment failure.*

At the Voice of Hope SW site, we are still seeing power outages from 06-10 hours daily with the threat of expansion of those hours in September, so our afternoon and evening broadcast schedule continues. Ray Robinson (Voice of Hope World Radio Network, Americas/Africa/Middle East)"

Thanks very much to Ray for this first hand info. Recently I have not found any carrier generally before 0400, but often catch the 0500 news in English. Needs more monitoring! (Ron Howard, Asilomar State Beach, CA, Aug 18, WOR iog via DXLD)

Other radio news

Recording Your DX!

Most of my DX is via SDR (Elad, Perseus) so computer-resident recording software (Total Recorder most of the time) does the job.

I have used dedicated hand-held digital recorders of various types as well, especially when using portable or desktop receivers.

Zoom, Tascam, Edirol, Sony, and C. Crane (CC Witness) all have competent recorders. Besides DX, these are also good for entertainment radio recording, TV sound, dubbing LP's / 45's / reel-to-reels / cassettes into digital, and recording live material from speech and music to sounds of nature.

Pogo LX was one of the first such recorders (circa 2000 give or take). I still have one kicking around in a junk box somewhere.

Whether using software such as Total Recorder or dedicated recording hardware, it might take a bit of practice to get the right compromise between adequate fidelity and files that aren't too huge. WAV and MP3 are the most popular file formats, ones that can usually be emailed to station personnel for reception reporting purposes.

Paul, do you have a website with links to what you have recorded?

I have this as a start-up page for my stuff:https://www.qsl.net/wa1ion/dx_audio.htm

You can then click on links that cover years 2015, 2016, 2017, 2018, and 2019.

The site has some vintage pre-2000 material too, originally on cassette or reel-to-reel and then converted with Total Recorder.

Gary DeBock out west has amassed many audio clips though I'm not sure if he has a links page for all those DXpeditions. Same thing for Bill Whitacre: lots of DXpedition recordings.

These guys can toss out many useful tips beyond what I have mentioned.

(Mark Connelly, WA1IONSouth Yarmouth, MA via HCDX)

UK DXER PIRATES

If you are looking for links to free radio and other DX websites, why not check out the UKDXer's Shortwave Pirates website? In addition to links to many free radio blogs and forums, there's links to other DX blogs, clubs, SDRs and frequency guides. It can be found at: <http://www.freewebs.com/ukdxer/apps/links>

(Paul Watson, Wiltshire, (Aug BDXC-UK Communication via DXLD)

PRYIOM.ORG <http://priyom.org>

Priyom.org is an international group of radio enthusiasts who came together during 2010 when activity from the station known as "UVB-76" increased. The mystery of this station inspired us to seek out other similarly mysterious stations, and thus into the bizarre world of shortwave radio's infamous number stations. Greatly inspired by the work of other online groups, Priyom has been developed to easily bring both the current and historical information about number stations into one comprehensive site, and to make the recording, listening and analysis of shortwave radio, number stations, and all related on-air enigmas accessible to all who are interested.

(via PLF Radio, Lyon, France via OfficialSWL Channel on YouTube, Aug Radio HF Internet Newsletter via DXLD)

HULDRA Receivers from TANDBERG

In last issue we presented some very good receivers from Tandberg. But the one used by several Norwegian DX-ers was missed – **Huldra 4**, so here is a brief summary.

Huldra 4, produced during 1950-1954. The only Huldra with 8 bandspread shortwave bands, catacomb band switching, thick film silver ceramic coils in the oscillator circuits, traps for improved mirror image rejection and a noise blanker. The first Huldra with intercom function. Push-pull output amplifier.

More info at <http://la3za.blogspot.com/p/tandberg-huldra-radioes.html>

Frequency coverage (KHz): 150-370, 500-1600, 1600-4500, SW1:49 m, SW2:41m, SW3:31m, SW4 25m, SW5:19m, SW6:16m, SW7:13m, SW8:11m.

More info at <http://nrhf.no/Tandberg/TR%20Radio/Tandberg%20Huldra/T%27Huldra-4.html>



Picture to the left from https://www.hifiengine.com/manual_library/tandberg/huldra-4.shtml

Picture below from <https://radio-vintage-repair.blogspot.com/2017/12/tandberg-radio-huldra-4.html>



NUMBERS STATIONS RESEARCH AND INFORMATION CENTER

<https://www.numbers-stations.com/>

This project is dedicated to the research, monitoring, information gathering, and publishing about numbers stations, military stations, and other shortwave radio phenomena. We specialize in both Russian and US military, intelligence, and radio history. We believe that information about military and intelligence activity on the radio waves must be freely available. Our goal is to research, gather, publish, and popularize the shortwave radio and numbers stations worldwide. The Numbers Stations Research and Information Center team works at many places across the world and regularly follows and analyses the events in the shortwave radio spectrum and beyond.

(via Terry Cook, Missoula, Montana via OfficialSWLChannel on YouTube via Aug Radio HF Internet Newsletter via DXLD)

Airspy HF+ Discovery

In early 2018, Airspy introduced the HF + Dual Port, which quickly became a successful tuner-based SDR. The reception were excellent for the low budget price range. Now the successor appears! The "Airspy HF + Discovery".

Read one of the first reviews of this interesting SDR here: https://www.fenu-radio.ch/Airspy_HF-Plus_Discovery-en.htm

The [Airspy HF+ Discovery](#) is a smaller, lighter and improved version of the Airspy HF+ which is an HF and VHF SDR with very high dynamic range. The Discovery builds on the HF+ by adding low loss preselectors. This increases the dynamic range even further, and allows the Discovery to compete with some very high end (and much more expensive) SDRs.

Conclusion by Fenu Radio: With its preselection and sophisticated software, Airspy offers with the HF+ Discovery the best tuner-based SDR for shortwave listening for little money.



Which to choose .. AirSpy HF+Discovery or SdrPlay RSP1a

Airspy Discovery has the best strong signal handling whereas SDRplay solutions display a wider bandwidth. For better signal handling than the Discovery be prepared to pay at least \$1,000 (US), maybe closer to \$5,000.

It's up to you – if you have strong signal problems try the Discovery, if not and want ~ 5 MHz bandwidth or more then SDRplay RSP1a.

(Simon Brown, G4ELI, <https://www.sdr-radio.com>)

The Discovery arrived here at my QTH near Seattle, USA this morning, and of course a brief test was in order. My DXing interests are foreign stations on MW, so I wanted to see how the Discovery performs close in frequency to strong local stations.

I gave the Discovery a brief and unscientific test at local noon. I was using both the FDM-DUOr and Discovery with Studio 1 software. I don't have an antenna switch on my desk at the moment so I quickly swapped the antenna manually between radios. I'm also not currently up for separate instances of Studio 1 (although it does that fine), so I restarted the software between each quick session, choosing the appropriate EXTIO file. This means there was some time for the weak signals to potentially fade between the quick A-B sessions. The medium wave band at midday is fairly stable though.

I immediately went to a couple of weak station frequencies that surround my local flamethrower (1 kW at 1.5 mi.) on 1450 kHz. The level of 1450 is about -35dBm on my ALA1530LNP Imperium. These stations on 1430 and 1460 are borderline-audible most of the day but with best reception in LSB or USB. Today I noticed that only 1430 was audible for testing, and it was bothered by splatter from 1450 as usual.

Both radios were run in the 768 kHz sampling rate, because that's the maximum out-of-the-box setting for the Discovery. Same mode, same bandwidths, same AGC, etc. were used of course. The FDM-DUOr demodulated 1430, providing weak but clear audio with some interference evident from the 1450 station. No attenuation was needed or adjustment of any gain setting.

The Discovery nearly equalled the DUOr on this station (only a whisker of a difference, if any), although getting the same results was a bit "fiddly". I couldn't decide if using the automatic gain of the Discovery is best, or if using the manual gain setting is better. I'm leaning toward the auto gain feature...although it is hard to ignore the 20-30 dB difference in noise floor when using the auto setting. (The specific handful of manual gain settings of the Discovery which avoided overload resulted in a noise floor roughly equal to the FDM-DUOr's; but the auto gain feature raises the noise floor significantly along with the relative signal levels.) If I judged by ear only, and also looking at the S/N of 1430 kHz on Studio 1's I.F. display, then auto gain was better--with near-equal results to the FDM-DUOr. The DUOr was ever so slightly ahead of the Discovery in this difficult close-in strong signal test. With more experience with the Discovery I expect I'll be able to extract even better results.

Note that I've calibrated the level meter for the DUOr in HSDR using an external signal source, but I've not done any calibration in Studio 1.

I tuned a few other weak daytime signals on MW and found it impossible to find any differences between receivers. Bravo, AirSpy! Considering the price difference this is an eye-opening performance turned in by the HF+ Discovery. I look forward to night time tests, and serious coastal DXpedition tests in a few weeks. This will be the proof of the Discovery's abilities for me, seeking weak trans-Pacific medium wave signals with large directional antennas.

(73, Guy Atkins via SDR-Radio)

Fridays mail saw the delivery of one of the new ("new" is always an attention grabber, right?) AirSpy Discovery (thanks Brett Saylor tip!!). This is a tiny SDR, about the same footprint of a business card small box contains the radio and a micro USB to USB cable. An aside, you will want to use THAT cable with the radio.

Loaded the software from the AirSpy WWW site and connected an antenna. I wanted to see if the mfg claims regarding overloading were accurate so it was off to the MW BCB at 9PM to check for overloading.

There was none, NADA, zip. The pre-selector filters added to this build were Impressive, indeed.

Put it off to the side till Saturday afternoon to catch AIR on 9445. Bingo, success!

A couple of the attributes that sold me on the rather pricy WinRadio G33DDC Excalibur Pro were the inclusion of a frequency selected network of pre-selector filters and the absolutely wonderful, full audio which that radio produces. I was pleasantly surprised that the AirSpy, at less than 1/10th the price was competitive with the WinRadio in a side by side test. The AirSpy is an 18 bit radio which does not disappoint, especially at its price point.

So, no overloading -141db MDS, (wow, an R390A that fits in your pocket!!) 110db blocking on HF and 95db blocking on VHF, frequency selected preselectors at: DC, 5, 10, 17 and 31 mHz and additional pre-selectors for VHF Ham, Commercial and Military bands with an FM band pre-selector for commercial broadcast FM (Japan, US, EU, OIRT). Quite an impressive little box, picture below.

I found the Discovery runs under the SDR Console Software as well as the mfg's, SDR Sharp application. I am sure there are other platforms under which it will operate so if you have a favorite, the radio just may play well with it.

There is a fairly in-depth review done on the Fenu-Radio www site at: https://www.fenu-radio.ch/Airspy_HF-Plus_Discovery-en.htm

(Chuck Rippe)

Radio Nacional de España, Aaiun, Western Sahara

Attached is a historic QSL of Radio Nacional de España, Aaiun, Western Sahara, when this territory belonged to Spain. Date is May 1975. Month later, February 1976, Spain left the Western Sahara. (Best 73,s Manuel Méndez)



(Manuel, thanks fore sharing! /TN)

K9YA Telegraph, Website: www.k9ya.org



The **K9YA Telegraph** is a free, monthly, general interest amateur radio e-Zine first published in January 2004. The journal of the Robert F. Heytow Memorial Radio Club, the K9YA Telegraph is distributed to subscribers in over 100 countries via e-mail as a PDF file. Issues comprise original articles written by authors drawn from its subscriber base. Notable among those authors was contributing editor, Rod Newkirk (SK), W9BRD/VA3ZBB, former "How's DX" columnist for QST magazine.

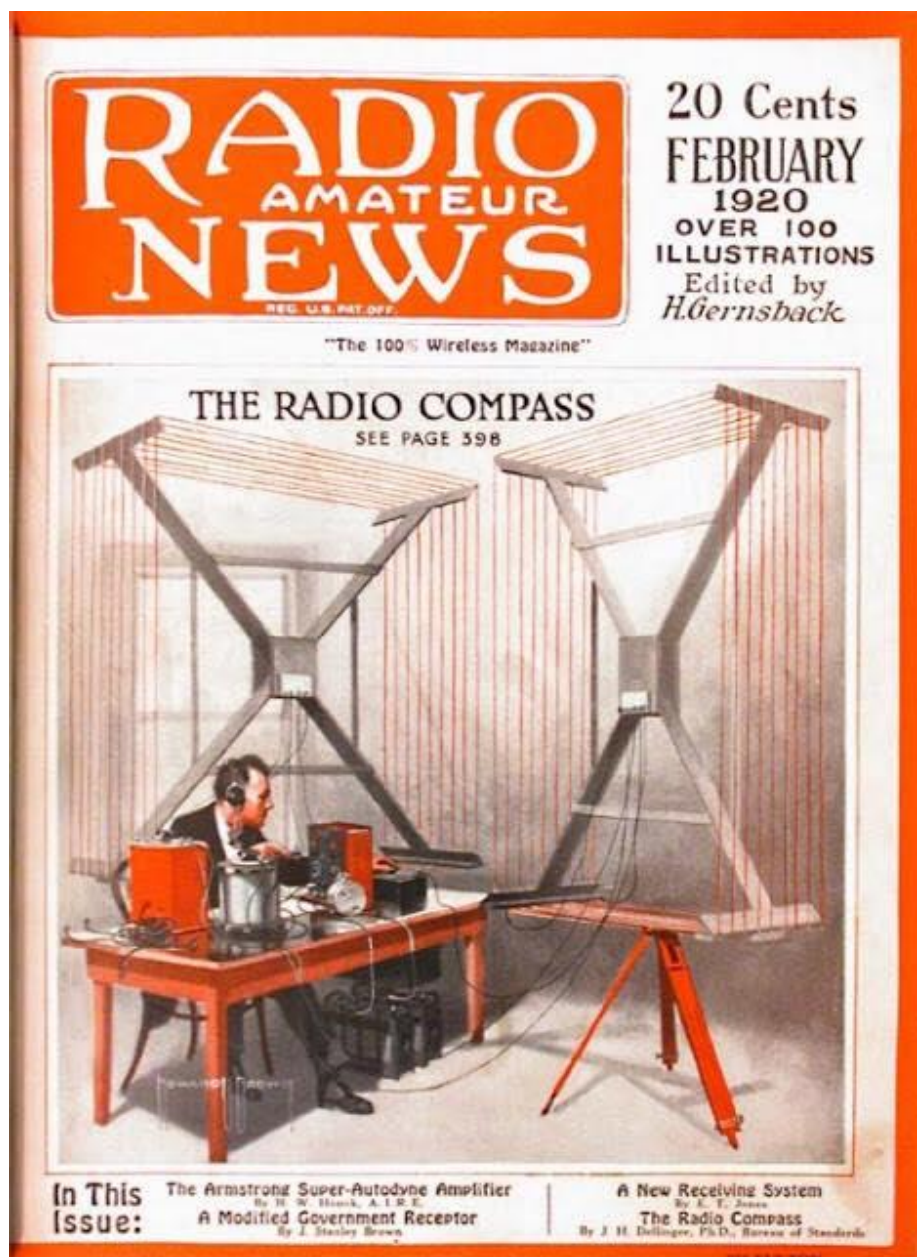
The K9YA Telegraph describes itself as unique in offering the amateur radio community a no-cost, high concept publication covering a number of topics unavailable elsewhere and in providing a welcoming venue and readership to first-time writers. From Wikipedia, the free encyclopedia

It is very interesting to look through the photos on this website. There is a tremendous variation among the photos, old radio equipment, ads and funny pictures.

Christoph Ratzer found a funny old picture among the photos in K9YA Telegraph which he published in his A-DX Fernempfang "DAS sind Mittelwellenantennen".

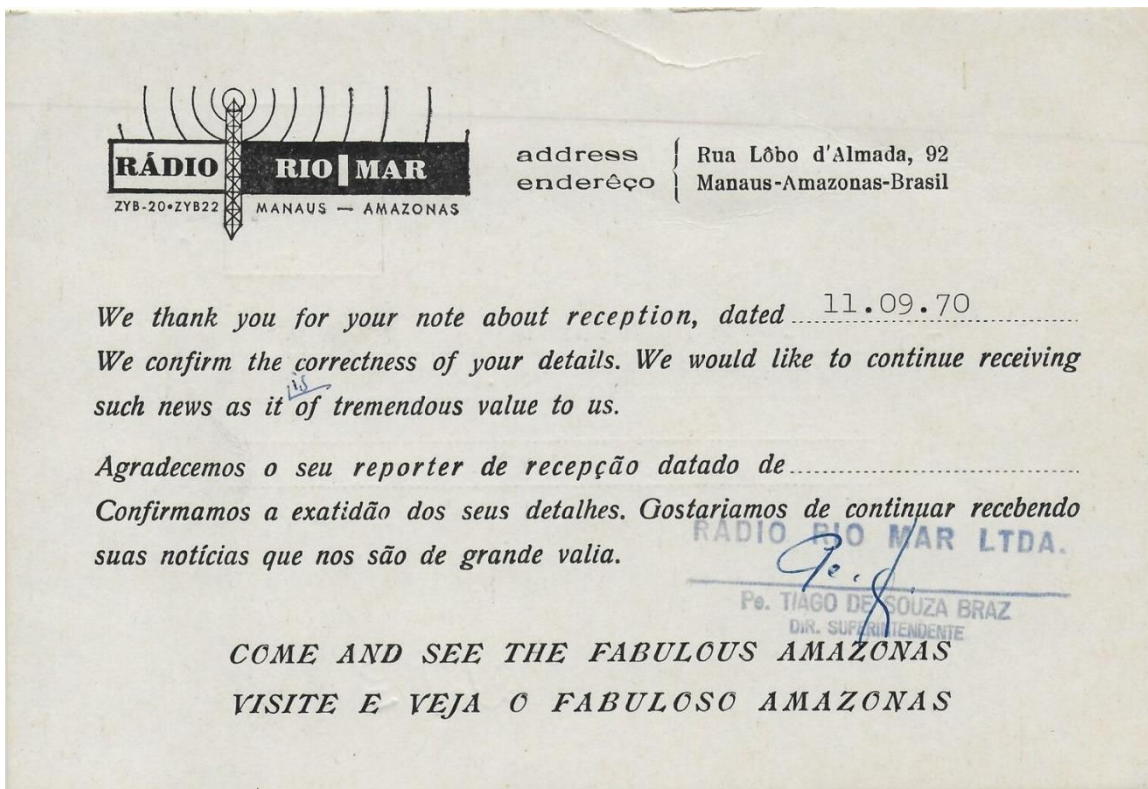
See https://www.facebook.com/pg/k9ya.telegraph/photos/?ref=page_internal

And what about the antenna spray below? Creating better conds or what? (TN)



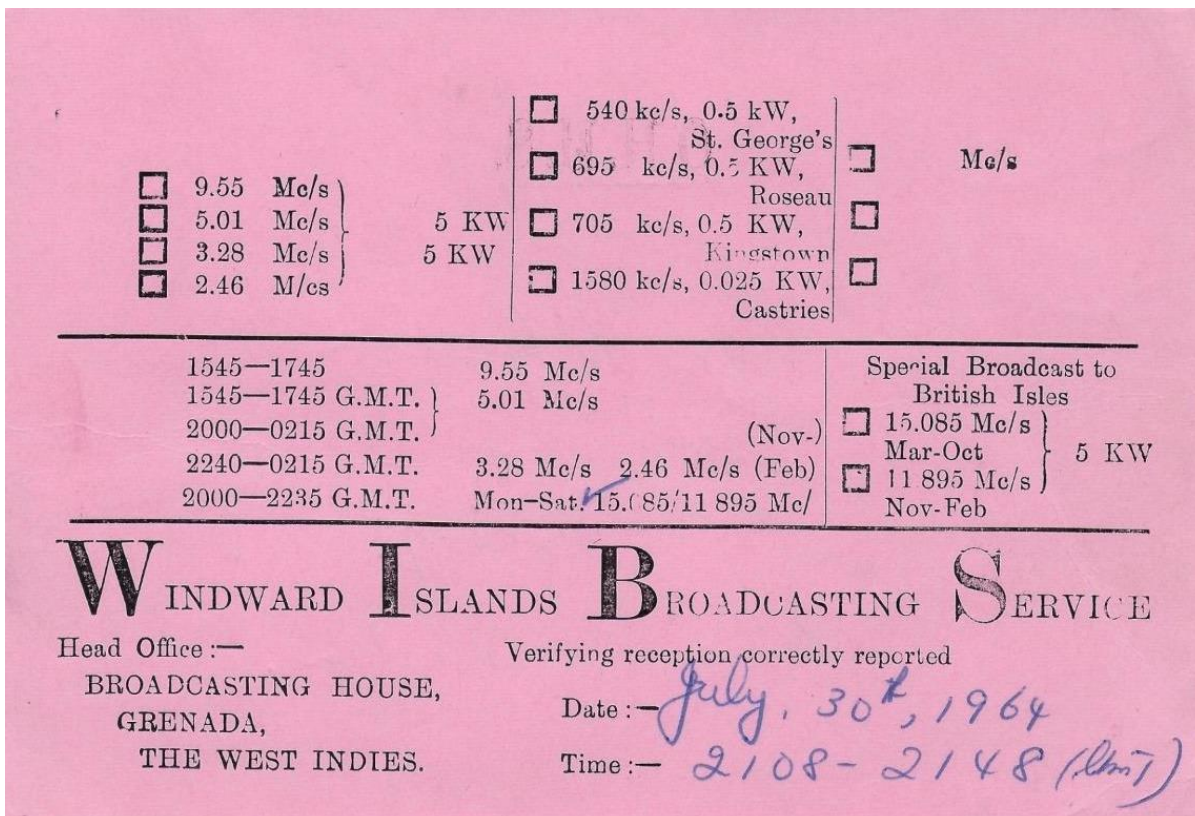
A few old QSL's scanned by John Ekwall

Radio Rio Mar, Manaus Brazil from 1970.



WIBS, Windward Islands Broadcasting Service from 1964

WIBS was often heard in the old days on 15085 kHz and verified all reports.



Radio Juventud, Barquisimeto was one of many Venezuelan station which could be often heard in the 60 mb in the old days.

RADIO JUVENTUD
"UNA EMISORA JOVEN PARA LA GENTE JOVEN"

YVMY 840 Kc/s
ONDA LARGA
10 KW

YVNK 4.900 Kc/s
ONDA CORTA
10 KW

YVMY -100,1 Mc/s - MODULACION DE FRECUENCIA

APARTADO POSTAL 567 y 576
BARQUISIMETO - VENEZUELA

YSD "Alma Cuscatleca" Radiodifusora Nacional, San Salvador.
This station started transmission in 1932

YSD

"ALMA CUSCATLECA"
RADIODIFUSORA NACIONAL
...
SAN SALVADOR,
REP. DE EL SALVADOR, C. A.

7894
KILOCYCLOS

Mr. **JAMES W. NEWMAN,**
45 sixth street,
New Toronto, Ont. Canada.

**THE LAND WHERE
THE BEST COFFEE GROWS.**

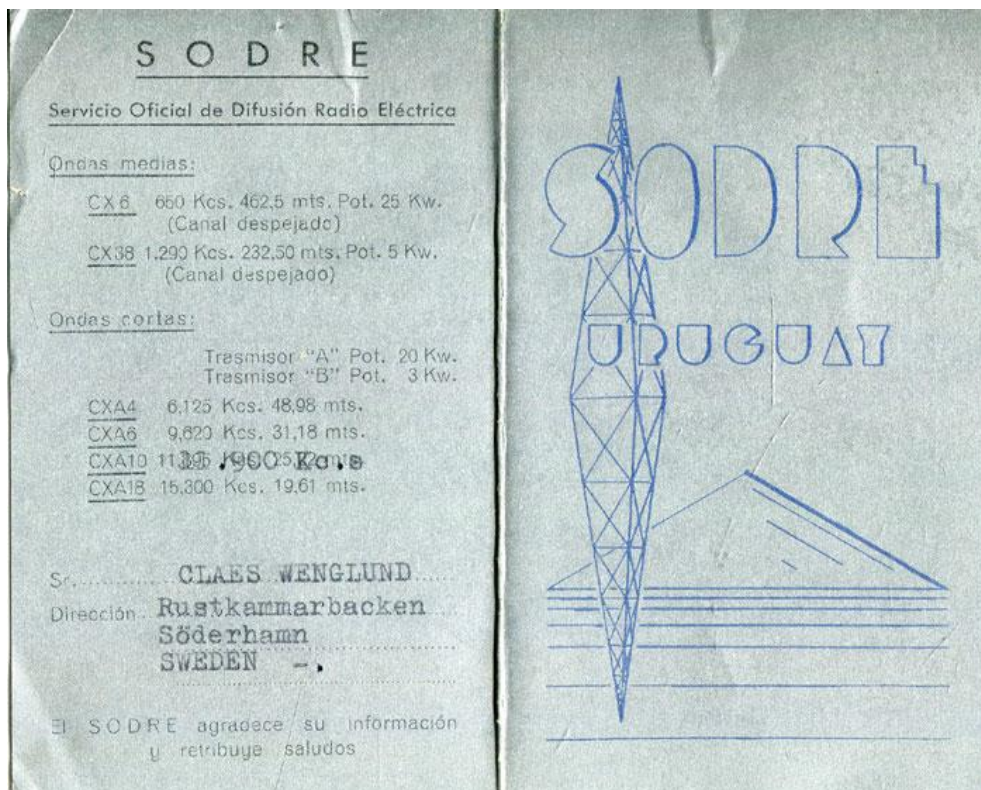
(John, thanks a lot for sharing those nice QSL's from past times. /TN)

DX nostalgia

Let's start this time with a very nice QSL from Radio Nederland received by our sadly lost friend Claës-Wilhelm Englund CWE in 1959.



S.O.D.R.E. in Uruguay sent CWE this QSL folder some time in the 1950s. No date is stated on the QSL.



CWE received this QSL folder from Colombian Radio Sutatenza in 1955. It was signed by Luis M. Pick, Jefe Electrónica.



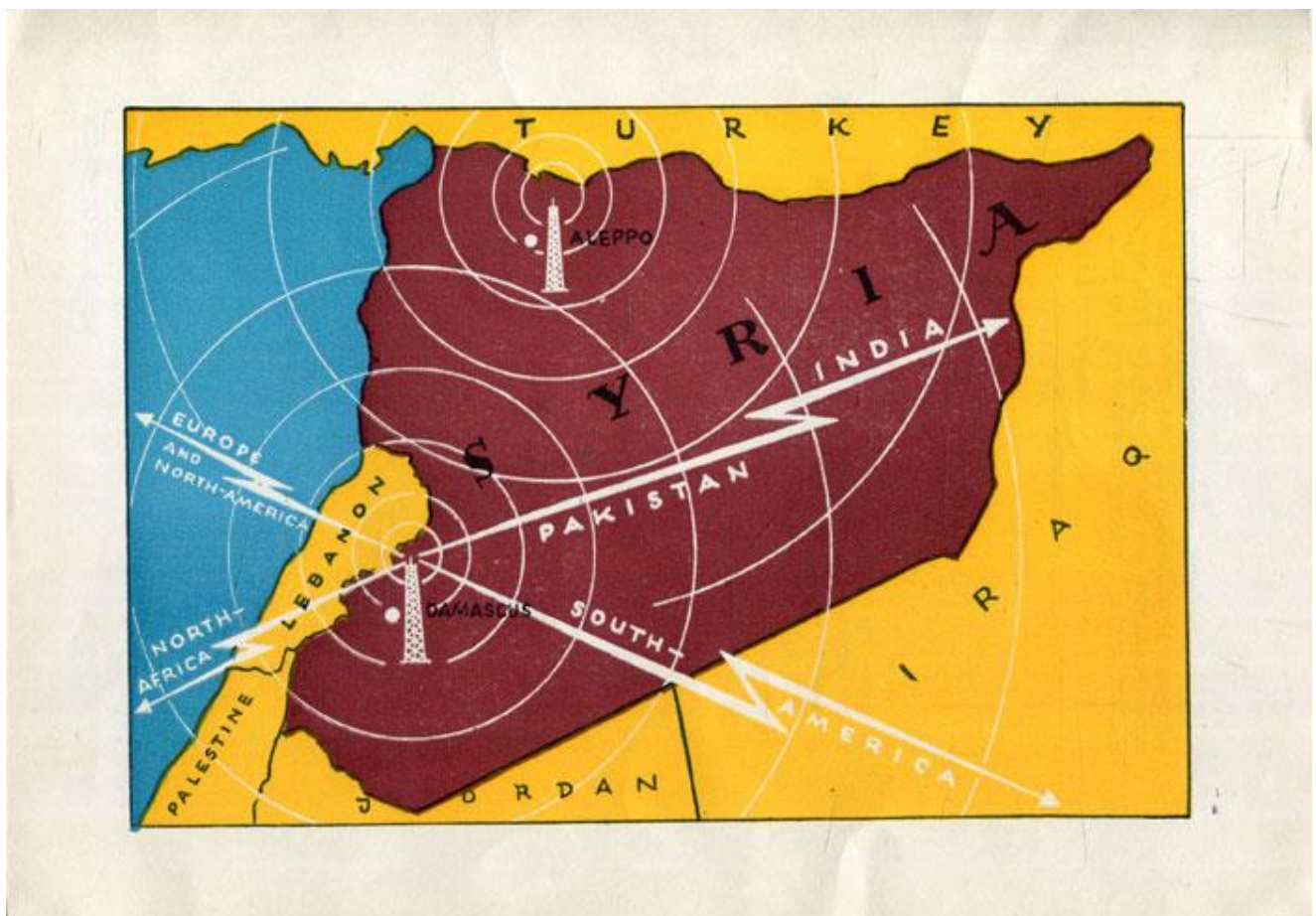
Jan-Erik Räf JER received this QSL card in February 1956 for a report on 7400 kHz. One of the details in his reception report was a waltz from 'The Merry Widow' by Franz Lehár.



There used to be quite a lot of SW stations on the air from the Dominican Republic and Onda Musical was one of them. They sent this letter to TL "Torre" Larsson in Uddagården and on the back of the envelope is a stamp that says "Visite la Republica Dominicana". Did you ever do that, Tore?



Finally a QSL card from Syria received by Lars-Olof Hansson LOH.



(Ronny, thanks for anothe report with old QSL's. /TN)