

# SHORTWAVE BULLETIN

Issue no. 1905, Aug 12, 2018.

Deadline e-mail next issue: 0800 UTC, Sept 9, 2018.

The summer here in Sweden has been very dry and hot. Lots of forest fires and problems for the farmers with feed. But now it seems to change, yesterday we got heavy rain with hail and thunderstorms... So hopefully weather is back to normal.

Another interesting log in this issue is R Yura on 5936 kHz heard by Claudio Galaz in Chile. Maybe this was a one time log as nobody else has reported this one.

Also as seen in this issue Tomas Burian reacts on Carlos Goncalves language comments in SWB 1904 regarding how to use foreign languages in the logs.

As you can see to the right I will try to answer the three points he addresses.

And, don't forget to send in your logs and other information. Hope we can keep SWB going for a little longer.

Finally, don't forget to check your antenna installations before the winter. Most likely some need repair after heavy winds, lightnings and forest work.

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, kommentarer, mm.

**Tomas Burian, Morava, Czechia.** I will try to write to you a few ideas that only the power and capabilities of Google translators are enough. (I am sorry to be unable to express myself in a foreign language as accurately and comprehensively as in the Moravian language.)

1) "vuzekute" is "Vous écoutez"? Probably yes. I can not speak the languages. That's why I'm writing, the way I hear it. That makes sense to me. If I do not recognize the words in the written text and vice versa, it does not make sense to me. Anyway, thank you for your explanation. I welcome every help. (I remember how the Editor-in-Chief of Radio magazine (ex. Radio Revue, ex. DX Revue) described and explained the "vy efire" sound, which is the same in Russian.) You know, I am neither Einstein nor polyglot. For example, English seems to be a degenerative language. Everything is frustrating and is incomplete. I heard ID R.Orion as R.Onion and signed R.Onion.

2) Allow me to respond to the ideas of the editorial Issue No. 1903. You were thinking about the monthly periodicity of SWB publishing. I do not know any DX media that would be published twice a month. Therefore, it seems to me strategic to issue SWB once in 14 days. It does not matter that it will be smaller. It does not matter that the types will be less. It is a compromise between freshness and size. I understand, of course, that personal factors should also be considered.

3) It is a pity that SWB does not extend to the Middle Wave. Recently, the bulk of my Middle Wave catches are. However, those in SWB remain unused.

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*Below my personal comments.*

**No 1.** The comments regarding "vuzekute" is "Vous écoutez" was entirely Carlos Goncalves' own personal view. I can understand that foreign languages are not easy and I think all of us do the best we can.

**No 2.** The most important reason for changing to monthly editions is that there are several other publications, like mailing lists, dealing with logs on a day to day basis. The most important in my opinion is Glenn Hauser's mailing list DXLD/WOR.

SWB started as an entirely Nordic bulletin in the beginning of the sixties. Unfortunately most Nordic DX-ers nowadays mostly listen to MW. To keep SWB alive, we now have to rely mostly on foreign SW DX-ers. As we have done since the start logs are entered in frequency order, just like DSWCI did. As a complement SWB focus on various forms of information, like technical stuff, etc.

In the old days SWB had lots of new or seldom heard stations in the log. That has changed to the opposite - the shortwave bands have lost almost all stations in the tropical bands. With this in mind I can't see any use to produce biweekly issues any longer.

**No 3.** The intention from the beginning with SWB was to entirely deal with shortwave. Mediumwave is completely covered through Arctic Radio Club and their bulletin MV-Eko (in Swedish). This bulletin is still very active and filled with a lot of goodies, not only the log. Back issues can be downloaded from here:

<http://arcticradioclub.blogspot.com/p/arkiv.html>

For those of you seeking a day to day log, please visit

[http://www.mwlist.org/ul\\_login.php?sprache=en](http://www.mwlist.org/ul_login.php?sprache=en) Enter your login details and then you can submit your logs.

**Robert Wilkner:** Mosquito Coast DX News - July 24 2018. "Band conditions below par, into our rainy season in Southeast Florida.." rlw

**Anker Petersen:** Dear DX-friends, while the total Lunar Eclipse just now passes Denmark after another Heatwave Day, I scanned this morning the 90-41 mb in Skovlunde on my AOR AR7030PLUS with 28 metres of longwave.

As usual I always measure the exact frequency to get the best reception.

But in the future I will not add .00, if the particular station is heard exactly on its assigned frequency.

## Log

(UTC)

3215	Aug4	0120	WWCR, Nashville, TN English religious talk, not // WWCR 4840 (AP-DNK)
3215	Aug8	0357	WWCR, E, tk ID World Wide Christian R., 0401 off mod. (TB)
3260	Aug5	-1207*	NBC Madang (Maus Blong Garamut),1207* cut off, after the usual Sunday religious programs (Ron Howard, Asilomar State Beach, CA, USA)
3219.85v	Jul29	1221	// 3920, KCBS Pyongyang. Music program; clearly //, but 3920 is not on the air daily, whereas 3219.85v is regularly heard (Ron Howard, Asilomar State Beach, CA, USA)
3303		-1115*	-USB, Zhoushan Marine Meteorological Radio Station, 1113-1115*; in Chinese. Last time I heard this station was back in Dec. 2008! Website - Zhoushan Meteorological Bureau - <a href="http://zsqxj.zhoushan.gov.cn/">http://zsqxj.zhoushan.gov.cn/</a> Google translation: "Zhoushan Marine Meteorological Radio Station is located in Putuoshan Scenic Area, Zhoushan City. It was established in November 1994. It is the earliest professional radio station in the country to provide weather protection for fishing vessels and other vessels at sea. After sea distance test, the effective listening distance can reach 500. More than a kilometer. The radio station adopts sea surface wave and sky wave synchronous transmission mode, and the antenna is vertically polarized and transmitted; the signal transmission is transmitted by a <b>2KW</b> single sideband high power transmitter, which has the characteristics of large power and long propagation distance. The transmission frequency of the radio station is 3303KHZ. As long as the vessel operating at sea is equipped with a short-wave single-sideband receiver, it will be able to listen to the professional meteorological information released by the Zhoushan Marine Meteorological Observatory four times a day in any sea area of China and the three times a day issued by the Central Meteorological Observatory." (Ron Howard, Asilomar State Beach, CA, USA)
3310	Jul24	0010	Radio Mosoj Chaski, Cochabamba in Quechua with unusually weak signal. (Wilkner-FL) + (Méndez)
3320	Jul18	0126	Radio Sondergrense at 0126 in Afrikaans with light pop vocals and a woman with talk at 0131 – Weak (Coady-ON)
3320	Aug4	0135	R Sonder Grense, Meyerton Afrikaans talk (AP-DNK)
3320.0	Aug7	1842	SAUK/R.Sonder Grense. Afrkns, pop oldies, tks. 45332 (CGS)
3325	Jul6	1301	VOI (via RRI-Palangkaraya). Finally enough audio to catch the canned VOI ID/website, followed by EG news. Recheck @ 1253-1310 11 July with VOI ID/sked/website @ TOH, still just above the noise level. (Dan Sheedy)
3325	Aug7	*1055-	Voice of Indonesia, via RRI Palangkaraya, suddenly started at *1055; mixing with NBC Bougainville. (Ron Howard, Asilomar State Beach, CA, USA)
3325	Aug7	1033	NBC Bougainville (Maus Blong Sankamap). Unusually long non-stop monologue in Pidgin, till hit with VOI starting up at *1055 (Ron Howard, Asilomar State Beach, CA, USA)
3900.0	Jul14	2125	R.Borderhunter - pir. Tks, pops. Summer Meeting R pxs. <b>ID via DX press</b> . 25331 (CG)
3904.9	Jul28	2113	R.Alice - pir. E, songs, fq. anns., greetings. 35432 (CG)
3910.0	Jul31	2106	Voice Of The People (cland.), Goyang. Kor to KRE, tks. 15341 (CG)
3915.0	Jul31	2103	R.Vonkenboer (t) - pir. Mx, songs. <b>T-ID via DX press</b> . 15341 (CG)
3920.2	Jul28	2112	Rock R Network - pir. Songs. 35432 (CG)
3930.0	Aug7	2043	Voice Of The People (cland.), Goyang. Kor to KRE, tks, songs. 25331 (CGS)
3975.0	Aug2	2114	Short Wave R - pir. E, tks, pops. 35342 (CGS)
4010.11	Aug5	0050	Birinchi R, Krasnaya Rechka Kyrgyz talk CWQRM + Noise (AP-DNK)
4055	Jul18	1055	Radio Truth, TGAV with amateur singing ``City of Gold`` hymn in English, then religious chat in English; fairly good signal before our sunrises. Haven't heard a word for months about magical worldwide relays (Glenn Hauser, OK)
4055	Jul21	0030	Radio Verdad strong signal with music and one ID (Wilkner-FL)
4055	Aug5	0519	Radio Verdad, Chiquimula, religious comments and songs., English. Very weak. (Méndez)
4747.39	Jul21	0030	Radio Huanta 2000 Huanta Ayacucho weak signal with om in Spanish fading in and out. Difficult to log. (Wilkner-FL)
4750	Jul24	1210	Bangladesh Betar - HS. Clearly back on the air today after yesterday's absence; mixing with CNR1 and CODAR QRM (Ron Howard, Asilomar State Beach, CA, USA)

4765	Aug5	0015	Tajik R 1, Yangiyul Tajik talk, local folksong (AP-DNK)
4765	Aug4	0140	R Progreso, Bejucal Spanish ann, Cuban songs (AP-DNK)
4765	Jul27	0357	R.Progreso, BEJ, S, tent YL tk jin e-re-pi R. mx fanfare (NA?) YL exclamation off mod. off TX. (TB)
4774.8	Aug7	2101	R.Congonhas, Congonhas MG. Pops, then suddenly mass at 2102. 25331 (CGS)
4774.9	Jul18	0047	Radio Tarma, Tarma, comments. Very weak. (Méndez)
4800	Aug5	0020	AIR, Hyderabad Telegu ann, Indian folksong (AP-DNK)
4810	Aug3	1829	Armenian Public Radio, Gavar/Yerevan, Arabic, comments. (Méndez)
4810	Aug5	*0023-	AIR, Bhopal AIR I/S , Hindi ann: " Vande Mataram", Vande Mataram hymn. (AP-DNK)
4835	Jul23	1224	AIR Gangtok. On July 23, I commented - "Recently the carrier, on some days, was fairly good and sounded close to having some audio"; July 24, definite above threshold level audio; yes, positive Gangtok reception; mostly subcontinent music/singing 1224-1302 and in Hindi, except for the usual New Delhi news relay in English 1230-1235, which was clearly // 5040 AIR Jeypore (fair). So am able to confirm that <b>Ozy Radio is for sure still off the air</b> here (Ron Howard, Asilomar State Beach, CA, USA)
4835	Aug7	1006	Ozy Radio. Another day that was able to clearly catch the "Waltzing Matilda" theme music; was still recognizable even with heavy QRN (static); in addition today with CODAR QRM (Ron Howard, Asilomar State Beach, CA, USA)
4840	Jul27	0240	WWCR, Nashville, TN English religious talk "You are listening to the Alex John's Show", advs - Not // 3215 ! (AP-DNK)
4845.0	Aug4	2133	R.Cultura do Amazonas, Manaus AM. Pops. Poor audio. 35342 (CGS)
4875	Jul18	0356	R.Difusora Roraima, Boa Vista, RR, P, vry tent mx tk..."do Brasil" mx 0357 chor OM sg (NA?) 0401 signal get down 0402 silent. (TB)
4875.1	Jul20	1010	Radif Roraima, Boa Vista RR. with vocal fading out 19 July: 0030 to 0045 enchanting music, strong signal. (Wilkner-FL)
4875.2	Aug3	2135	Radiodifusora Roraima, Boavista, comments. (Méndez)
4875.2	Aug2	2116	R.Roraima, Boa Vista RR. Songs, greetings to listeners 35332 (CGS)
4885	Aug5	1221	Echo of Hope - VOH. Their usual Sunday religious (Christian) songs, with soloists; is their normal format. My 5 1/2 minute audio at <a href="http://goo.gl/BGhsFW">http://goo.gl/BGhsFW</a> . Daily I hear this like a local station and is never jammed by N. Korea! (Ron Howard, Asilomar State Beach, CA, USA)
4885.0	Aug5	2207	R.Dif. <sup>a</sup> Acreana, Boa Vista AC. Tks, songs. QRM de R.Club do Pará. 22441(CGS)
4885	Jul21	0030	Radio Clube do Pará, Belém, strong signal with music and comments by om (Wilkner-FL)
4885	Aug5	0457	Radio Clube do Pará, Belém, Brazilian songs, program "Clube da Madrugada". (Méndez)
4885.02	Aug4	0145	R Clube do Pará, Belém, PA Portuguese talk (AP-DNK)
4900	Jul30	1058	// 4940, Voice of Strait. In // for about an hour; both fair. (Ron Howard, Asilomar State Beach, CA, USA)
4910	Aug5	0030	AIR, Jaipur Hindi ann, news CWQRM in LSB and AM (AP-DNK)
4920	Aug5	0033	AIR, Chennai Tamil news, music, 0035 English news (AP-DNK)
4920.9	Aug7	0425	Radio La Voz del Pueblo, Santiago de Chuco, 0425-0505, here in Lugo extremley weak signal, barely audible, at moments only carrier and at moments some music and comments can be heard. Via remote SDR Kiwi Pardino, near Sao Paulo, Brazil, 4920.89, clear signal, Peruvian songs and political advertisements about the local government and the mayor of Santiago de Chuco: "Democracia Directa, Cesar Alcántara, nuestro alcalde", "Democracia Directa promueve el turismo, alcalde provincial de Santiago de Chuco", "Democracia Directa promueve la educación y la cultura, Cesar Alcántara es garantía, Democracia Directa impulsa la salud", "Democracia Directa promueve la artesanía, Cesar Alcántara, nuestro alcalde, cumple". The past days out of air. (Méndez)
4920.903	Aug3	0135	JBA carrier vs storm noise, presumed La Voz del Pueblo still active on variable off-frequency. I suppose only pre-sunrise, zzz, and post-summer storm season may I have a chance of hearing it better. Tonight's blizortung.org map shows closest lightning area is north-central New Mexico (Glenn Hauser, OK)
4949.75	Aug3	1931	Radio Nacional de Angola, Mulenvos, sport comments, id. "Nacional". (Méndez)
4949.8	Aug6	1910	RNA-Canal "A", Mulenvos. Nx (p). 35231 (CGS)
4950	Jul18	0408	R.Nac.de Angola, ch A, MUL, P, vry tent tk (spt?). (TB)
4955	Aug3	2355	Radio Cultural Amaua, Huanta (presumed), comments. Very weak, barely audible. (Méndez)
4955.0	Aug5	2212	R.Cultural Amauta, Huanta. Quechua, Indian songs, tks. 35332 (CGS)
4965.0	Aug7	1840	Voice Of Hope, Makeni Ranch. E, songs. 35342 (CGS)
4970	Jul29	1302	AIR Shillong. Yet another edition of the "Country Roads" Sunday music show; in English; songs - Dolly Parton - "Jolene," Elton John - "Sacrifice" (C&W?), etc.; local station ID (Ron Howard, Asilomar State Beach, CA, USA)
4985	Aug3	2130	Radio Brasil Central, Goiania, Brazilian songs. (Méndez)
4985.0	Aug4	2134	R.Brasil Central, Goiânia GO. Mx px <i>Brasil Sertanejo</i> (p). 35342 (CGS)
5005	Aug5	*0518-	Radio Nacional de Guinea Ecuatorial, Bata, Extremely weak, only carrier detected today. (Méndez)

5010	Aug5	0038	AIR, Thiruvananthapuram English news // 4920, 0040 Malayalam talk QRM from R Miami International playing music (AP-DNK)
5025	Jul18	0140	Radio Rebelde at 0140 in Spanish with a woman with talk then musical tones at 0141 and a man with talk with a mention of "Rebelde" - Fair to Good (Coady-ON)
5025	Aug4	0150	R Rebelde, Bauta Spanish ann, lively Cuban songs (AP-DNK)
5035.0	Aug2	2118	R.Educação Rural, Coari AM. Songs. Rtd. 35342 on 05/8, 2210. 25331 (CGS)
5040	Jul17	0549	RHC in wrong language, Spanish instead of English, S9+10 and undermodulated. English remains on 6000, suptorted and undermodulated, 6060 undermodulated; 6100 very poor signal; 6165, best and really the only good frequency now: something's always wrong at RHC, but ¡viva la redundancia! (Glenn Hauser, OK)
5040	Aug4	0155	R Habana Cuba, Bauta Spanish talk about Cuban- Bolivian relations (AP-DNK)
5040	Jul31	1257	AIR Jeypore. Indigenous music and subcontinent music; unusually good signal for the summertime. My audio at <a href="http://goo.gl/k3phzt">http://goo.gl/k3phzt</a> (Ron Howard, Asilomar State Beach, CA, USA)
5050	Jul29	1300	Beibu Bay Radio. Time pips; Beijing time in Chinese and English ("9 PM"); singing station jingle; mostly in Vietnamese; // 9820, which was still mostly blocked by CNR2, whereas 5050 had clear and fair reception. (Ron Howard, Asilomar State Beach, CA, USA)
5050	Aug5	0045	WWRB, Morrison, TN English religious conversation about the Church (AP-DNK)
5050	Jul23	0358	UNID, TX?, E, tk No. Off TX QRN {WWRB?}. (TB)
5055	Aug5	0945	Station 4KZ, on 5055. Pop songs (Bobby McFerrin - "Don't Worry Be Happy," also with seven minutes of Richard Harris - "MacArthur Park," which I had not heard in a long time; nice!) (Ron Howard, Asilomar State Beach, CA, USA)
5055	Jul15	2049	UNID, TX?, E, rock mx tk, Q USB tk, QRN, mx, 2100 short TS E tk mx OM tk mx 2115 tk off TX. (TB)
5085	Jul27	0258	WTWW, Lebanon, TN English talk about HAM radio, popular melody (AP-DNK)
5085	Jul23	0359	WTWW, TWW, E, tk ID tk. (TB)
5130.14	Jul27	0305	WBCQ, Montocello, Maine - drifted to this new frequency English religious talk (AP-DNK)
5140.0	Jul30	2055	Charleston R Int'l - pir. Oldies, IDs, fq & target area [CeEur] anns. in E. 35433 (CG)
5780.0	Aug7	2046	Zenith Classic Rock (IRL) via UNID, Irish? - pir. E, pops, TS for 2100. 35332 (CGS)
5830.0	Aug2	2130	Zenith Classic Rock (IRL) via UNID, Irish? - pir. Amer. E, pops, IDs. Ex-5780 & 5890. 35332 (CGS)
<u>5840</u>	Aug4	2035	World Music R, Randers Portuguese and English ID's, global pop songs. Nice E-QSL received from listening a month ago from <a href="mailto:hartvig@wmr.dk">hartvig@wmr.dk</a> (AP-DNK)
5840	Aug4	1923	World Music Radio, Randers, pop songs, id. "World Music Radio". (Méndez)
5840.0	Aug5	2159	World Music R, Karup. E, songs, IDs. 35332 (CGS)
5850	Jul18	0030	Radio Slovakia International at 0030 // 7780 with Martina Šimkovičová hosting "Slovakia Today" starting with the news - Fair to Good (Coady-ON)
5860	Jul29	1825	Radio Farda, Kuwait, Persian, songs, comments. (Méndez)
5910.23	Jul23	0030	Alcaraván Radio, Puerto Lleras good strong signal, om baritone vocals (Wilkner-FL)
5910.277v	Jul20	0534	Music VP at S7-S8, no doubt Alcaraván Radio, which is often absent. Earthquake almost 24 hours earlier at 0539 UT July 19 may have jolted it on? Mike Terry reports: <a href="https://www.earthquaketrack.com/p/colombia/recent">https://www.earthquaketrack.com/p/colombia/recent</a> Magnitude 5.1. 35 km from Dolores, Tolima, Colombia. Dolores itself is 160 km = 100 miles from Puerto Lleras (Glenn Hauser, OK)
5910.3	Jul22	0530	Alcaraván Radio, Puerto Lleras, Latin American songs, "Llaneras", id by female: "Alcaraván Radio, 1060 AM". (Méndez)
5915	Aug4	0450	Zambia NBC, Radio 1, Vernacular comments, at 0500 English. (Méndez)
5915.0	Aug5	-2200*	ZNBC-R. 1, Lusaka. Vn, tks. 25331 (CGS)
5920	Jul17	2110	Radio HCJB Deutschland with no-stop music. 2-3 (CB)
5920	Aug9	1000	back on alternate frequency 5920.0 (stable), Voice of Freedom, ex: 6045, on Aug 9. Good reception and not jammed (ex: 6045 still with heavy N. Korea jamming). Thanks again to Amano-san for his excellent feedback as to the names of these various programs. Highlights: 1000: "Bodo gwangjang" ("News plaza"). My audio at <a href="http://goo.gl/EcBP7G">http://goo.gl/EcBP7G</a> 1010: "Nalssi ..."? ("Weather ..."). My audio at <a href="http://goo.gl/wC3ycK">http://goo.gl/wC3ycK</a> 1020: "Hanla-eseo Baegdu-kkaji" ("From Halla to Baekdu"). My audio at <a href="http://goo.gl/zyn4Uc">http://goo.gl/zyn4Uc</a> (Ron Howard, Asilomar State Beach, CA, USA)
5935	Jul29	*2359-	WWCR steel drums signing on for 12 hours. A bit of an impediment to hearing R. Yura, which Claudio Galaz, Chile, has heard reactivated in the morning as ``5936``. Not even a het/carrier here, but our best chance should be in the minutes before WWCR comes on, improving as our sun sets earlier. However, one night recently I found WWCR absent as late as 0150. We need to know the exact true frequency of Radio Yura (Glenn Hauser, OK)
5936	Jul27	1136	<b>R. Yura.</b> Mujer y hombre dan avisos en español y quechua. (Claudio Galaz, Ovalle, IV Región, Chile via Lista ConDig)
5939.7	Aug5	2149	R.Voz Misionária, Camboriú SC. Songs, rlg. propag. 35343 (CGS)

5950	Jul17	1825	Voice of Tigray Revolution, Addis Ababa, Vernacular comments. (Méndez)
5952.4	Aug3	2345	Radio Pio XII, Siglo XX, comments. (Méndez)
5985	Aug5	1152	Myanmar Radio. Coverage of the Alpine Cup soccer/football match; Myanmar vs Thailand; preempted regular programs; TV audio feed; background sound of crowd and loudspeaker; fair reception (Ron Howard, Asilomar State Beach, CA, USA)
5990	Jul21	1311	// 9850, Qinghai. Assume in scheduled Tibetan; clearly // with their unique indigenous music. (Ron Howard, Asilomar State Beach, CA)
5995	Aug5	0635	Radio Mali, Bamako, French, comments. Extremely weak audio, strong carrier. (Méndez)
5995.0	Aug2	2132	R.Mali, Kati. Empty carrier. 55343 (CGS)
6010.0	Aug2	2137	R.Inconfidência, Belo Horizonte MG. Songs, tks. Inaudible on // 15190. 24331 (CGS)
6015	Aug4	0453	Zanzibar Broadcasting Corporation, Dole, Swahili comments. (Méndez)
6015	Aug8	1009	KBS Hanminjok Bangsong 1, at 1009, Aug 8. Still with N. Korea jamming, but somewhat readable; three IDs; first by native speaker of English ("Now you are listening to KBS, Pops Freedom"), second in Korean ("Yeoreobuneun jigeum, Daehanminguk Seoul-e seo bonaedeureuneun Pops Freedom eul mutgogyesip nida." English translation: "Now, you are listening to Pops Freedom from Seoul, South Korea") and third again in English, this time by the program's host Kwak Young il ("Now you are listening to KBS, Pops Freedom"); mostly pop songs (Icona Pop - "I Love It - I Don't Care," etc.); at 1020 the usual intro to "Everyday English" ("Yeongeodaegang Gwag-Yeong il gwa hamkkehaneun KBS Hanminjok bangsong, Pops Freedom!" English translation "Together with English captain Kwak Young il, KBS Hanminjok Bansong, Pops Freedom!") language lesson ("Cigarettes are on sale. You can pay . ."). Website in Korean - <a href="http://program.kbs.co.kr/scr/radio/popsfreedom/pc/">http://program.kbs.co.kr/scr/radio/popsfreedom/pc/</a> (Ron Howard, Asilomar State Beach, CA, USA)
6020	Jul23	0049	CRI at 0049 with a woman interviewing a Chinese singer and environmental activist about how he brings his activism to his concerts to encourage the audience to not litter the venue and to become environmental activists after the concert – Very Good (Coady-ON)
6030	Aug3	1715	Radio Oromiya, Addis Ababa, East African songs, Vernacular comments. (Méndez)
6030	Jul23	1322	CNR1. My earlier comments about possibly hearing DRM signals here in the 1200+ time period were certainly incorrect! Had only been hearing QRN, along with the Calgary (Canada) signal. So July 23, was the first day I actually had a positive strong DRM signal, during their testing 1322+ UT; DRM going on and off for a minute or two during the testing. Am unable to decode DRM, but here is my audio, with Calgary reception being 100% blocked once DRM started up - <a href="http://goo.gl/QNoSLC">http://goo.gl/QNoSLC</a> . Thanks very much to Hiroyuki Komatsubara, who was listening at the same time and was able to decode today's DRM reception - <a href="https://www.youtube.com/watch?v=84ZMQzWbgKI&amp;feature=youtu.be">https://www.youtube.com/watch?v=84ZMQzWbgKI&amp;feature=youtu.be</a> . (Ron Howard, Asilomar State Beach, CA, USA)
6030	Jul21	1246	Certainly sounded like a DRM signal (tentative), mixing with Calgary; also noted at 1221, on July 22. Ron Howard, Asilomar State Beach, CA)
6035	Jul14	1110	BBS, noted mixing with FM99 relay via Yunnan and also with jamming here, BBS cut off at 1133*, leaving just jamming and Yunnan (Ron Howard, Asilomar State Beach, CA, USA)
6035	Jul30	1220	FM99 (Voice of Shangri-la) via Yunnan. Many pop song (YL singer with the Beatles song "Hey Jude," Idina Menzel - "Let It Go," etc.); usual FM format; in Chinese; holding up well against the jamming here; best in USB, due to 6030 DRM (Ron Howard, Asilomar State Beach, CA, USA)
6040.7	Aug3	2112	R.Evangelizar, Curitiba PR. Songs. // 9725.4 rtd. 33442 (adj. QRM). 35332 (CGS)
6045.0	Aug5	*0858-	Voice of Freedom. Started with music; "Frontier" by Mr. Yang Bang-eon (Japanese name: Liang Kunihiko); YouTube of "Frontier" at <a href="https://youtu.be/vDd38LEu48Y">https://youtu.be/vDd38LEu48Y</a> ; singing station ID; time pips. My audio at <a href="http://goo.gl/6dVAsw">http://goo.gl/6dVAsw</a> (Ron Howard, Asilomar State Beach, CA, USA)
6050	Aug5	0629	ELWA Radio, Monrovia, religious songs and comments, English. (Méndez)
6065.0	Aug7	1744	Voice Of Hope, Makeni Ranch. E, mx. 35443 (CGS)
6070	Jul17	2125	Channel 292 has a new client - Brother Stair. 2-3 (CB)
6070	Jul18	1950	IBC, Italian Broadcasting Corporation via Rohrbach, Italian, short wave news, at 2000 English, identification, program "Short Wave Panorama". (Méndez)
6070	Aug4	0520	CFRX, Toronto, 0520-0550, Aug04, better signal today, at moments CFRX surpassed Channel 292. 21431. (Méndez)
6075	Jul22	1226	KNLS. In English with "Focus On The Family" movie review; into "Radio History for Beginners," about the broadcast of "War of the Worlds"; very good reception; strong signal (Ron Howard, Asilomar State Beach, CA, WOR iog via DXLD)
6080.1	Aug2	2135	R.Marumby, Curitiba PR. Rlgs. songs. QRM de CHN. Better on 05/8, 2155. 33331 (CGS)
6090	Jul23	0040	Caribbean Beacon with a taped sermon by the late Dr. Gene Scott – Very Good (Coady-ON)
6090	Jul13	0252	Amhara State Radio, with Anguilla off the air; at 0252 carrier already on; at 0258 Amhara State Radio IS; later with HOA music/singing; poor (Ron Howard, Asilomar State Beach, CA, USA)

6090	Aug4	-2102*	Amhara State R, Geja Jewe Amharic (p) talk, Horn of Africa song, poetry with local music in background, 2100 National Hymn. From *2055 QRM CNR 2 (AP-DNK)
6090	Aug3	1719	Voice of Amhara State, Addis Ababa, East African songs, Vernacular comments. (Méndez)
6110	Aug3	1752	Radio Fana, Addis Ababa, Vernacular comments . (Méndez)
6110.0	Aug7	1803	R.Fana, Geja Jawe. Vn, tks. 35332 (CGS)
6115	Aug4	-1828*	Radio Congo, Brazzaville, French, comments, at 1800 "Radio Congo, le journal", news. (Méndez)
6130	Jul22	1237	Lao National Radio. Not often I get audio here and also without a lot of adjacent QRM, but today it happened; seemed to be in Laotian and with indigenous music; poor reception, but happy to have even this. My poor audio at <a href="http://goo.gl/yN4H8G">http://goo.gl/yN4H8G</a> . My local sunrise was at 1305 UT. Thanks to Steve McDonald (BC, Canada) for the reminder about checking for this (Ron Howard, Asilomar State Beach, CA)
6145	Jul22	1317	// 9780, Qinghai ("Qinghai News Comprehensive Broadcasting" - Google translation). In Chinese; playing EZL pop songs; seemed a relay of their FM 98.9 & AM 666 stations; both frequencies doing fairly well (Ron Howard, Asilomar State Beach, CA)
6155	Jul29	1225	CNR2 (China Business Radio). Good reception; comedy/variety show "Haiyang Live," in Chinese; program is often heard on CNR2 (Ron Howard, Asilomar State Beach, CA, USA)
6160	Aug3	2033	Short Wave Radio de., pop songs and comments in English, "This is a new sound on short wave to Europe", "Test transmission". // 3975. (Méndez)
6160	Aug5	*0800-	Deutscher Wetterdienst, Pinneberg, German, weather report. // 5905. (Méndez)
6165	Jul16	1300	the Shiokaze jammer is still here (1300+), even though Shiokaze moved to 7215 back on July 4. Am beginning to think the DPRK Shiokaze jamming section must be on summer vacation? Do not recall them being this late before in noting the change in frequency. Also noted Voice of Hope (5995) non-jamming anomaly today. 7215, as of today was a nice clear frequency for the strong Shiokaze signal (Ron Howard, Asilomar State Beach, CA, WOR iog via DXLD)
6180	Jul19	2005	Deutscher Wetterdienst, Pinneberg, German, weather report. (Méndez)
6185	Aug5	0457	Radio Educación, Ciudad de México, music, extremely weak. (Méndez)
6190	Aug1	0243	KNLS La Voz Alegre in English (Relay Madagascar). A cheerful program presented by Om and Y1 with gospel music. Complet ID by Om at 0252. But was not the program in Spanish at that time? Local signal on the Pardinho SDR and good signal on my QTH. End of transmission at 0257. The second transmission, at 0300, also starts in English (Jorge Freitas-B via HCDX)
6190	Aug4	-0600-	Hamburger LokalRadio, Gohren, English, id. "Hamburger LokalRadio", program "Media Network Club", at 0630 Glenn Hauser's program "Wolrd of Radio". (Méndez)
6230.0	Aug3	2125	Sound Of Hope R Int'l (cland.), unk. site. Mand to CHN, tks. 25331 (CGS)
6235.0	Jul14	2059	TRX R - pir. Pops. <b>ID via DX press.</b> 35342 (CG)
6250.0	Aug7	1834	R.Echo Of Hope. Kor to KRE, mx, tks. Jammed. 34332 (CGS)
6260.0	Aug5	2147	R.Bogusman - pir. E, pops, tks. <b>ID via DX press.</b> 35342 (CGS)
6265.0	Jul13	2122	R.Enterhaken - pir. Songs. <b>ID via DX press.</b> 25331 (CG)
6275.0	Jul13	2120	R.Dolfijn - pir. Pops, jazz. <b>ID via DX press.</b> 25432 (CG)
6269.6	Aug5	1545	R.Focus Int'l - pir. E, songs. Rtd. 35342 at 1930. 15341 (CGS)
6275.4	Jul29	2050	Free R Service Holland - pir. E, pops, tks. 45433 (CG)
6290.0	Aug3	2235	R.Black Bandit (p) - pir. Songs. 35343 (CGS)
6295.0	Jul13	2118	TRX R - pir. C&w. Uty. (?) QRM. <b>ID via DX press.</b> 34432 (CG)
6295.0	Jul15	2104	Reflections Europe - pir. E, rlg. propag. pxs. // 12255 still audible., rtd. 25342. 35343 (CG)
6305.0	Aug5	1543	R.Merlin Int'l (t) - pir. Songs. Occ. uty. QRM. <b>T-ID via DX press.</b> 15341 (CGS)
6304.8	Jul14	2054	R.Technische Man - pir. Songs. <b>ID via DX press.</b> 35343 (CG)
6315.0	Jul17	2114	R.Bogusman (p) - pir. E, tks, mx. 25331 (CG)
6324.0	Jul18	2123	R.The Ghoul (t) - pir. Mx. <b>T-ID via DX press.</b> 25342 (CG)
6520.0	Aug7	2044	Voice Of The People (cland.), Goyang. Kor to KRE, tks, songs. 23331 (CGS)
7120	Aug4	1735	Radio Hargeisa, Hargeisa, East African songs. (Méndez)
7120.0	Aug7	1708	R.Hargeisa, Somaliland. A (p), tks. QRM de amateurs. Better at 1800. 23341 (CGS)
7205	Jul17	1810	Sudan Radio, Al Aitahab, Arabic comments. (Méndez)
7205	Jul27	0325	R Omdurman, Al-Aitahab Arabic talk about Islam HAM QRM (AP-DNK)
7205.0	Aug7	1418	Sudan R&TV Corp., Al Aitahab. A, tks, interview. 25432 (CGS)
7215	Jul21	*1258-	Shiokaze, at 1257, strong N. Korea jamming; *1258 strong CRI sign on; *1300 sign on of Shiokaze, on July 21; very poor under CRI and jamming. My audio <a href="http://goo.gl/UbXSRw">http://goo.gl/UbXSRw</a> . July 17, at 1301. Heard with good reception; no jamming and no CRI, but the next day (July 18), both Dan Sheedy (Calif., USA) and Hiroshi (Japan) found that CRI had finally resumed using this frequency, with their usual strong signal, so very heavy QRM against Shiokaze. On July 19 (Thursday), I also noted the strong CRI signal at 1303, blocking any meaningful reception in English of Shiokaze. (Ron Howard, Asilomar State Beach, CA)
7255	Jul19	*1800-	Voice of Nigeria, Ikorodu, English, id. "Voice of Nigeria", news. (Méndez)
7260	Aug1	1303	Mongolian Radio 3 (presumed). Pop songs; much stronger than QRM from China far under-

neath; today definite carrier (no audio) on 4895, which was probably them; nothing on 4830. The 7260 frequency is normally used daily, whereas 4895 is fairly rare (Ron Howard, Asilomar State Beach, CA, USA)

7289.92 Aug6 0742 Pro 1 RRI Nabire, 0742 till off around 0940 or thereabout. Seems weekdays they are on the air longer (one hour?) than weekends. Audio - <http://goo.gl/rSSP6c> ; with one minute of singing and one minute of reciting from the Qur'an, along with summertime QRN/static. Highlights: 0742-0800: Young children singing various songs; non-stop. 0800-0817: ID "**Programa Satu, Radio Republik Indonesia Nabire**" (seems they never give the "R-R-I" abbreviation in their IDs, as Pro 1 RRI Palangkaraya did before VOI took over 3325), followed by the news. Ending news with patriotic song "Bagimu Negeri," which I find somewhat strange. In past years the RRI stations in August normally played "Dirgahayu Indonesiaku" all month long, after the news, instead of "Bagimu Negeri," due to their Independence Day being this month. Are they waiting till the 17th to play it? 0817-0900: Middle Eastern type music/singing. 0900-0910: Reciting from the Qur'an. Thanks very much to Dave Valko for the alert about the abbreviated weekend schedule for RRI Nabire. I tuned in Aug 4 (Sat.), at 0939+ and found them off the air; Aug 5 (Sun.), checking 0848+, with the same results. Dave indicates on Aug 5, he did heard RRI at 0824, but it was gone when recheck at 0846, which is what I also noted a few minutes later. Safe to say their cut off time varies a great deal (Ron Howard, Asilomar State Beach, CA, USA)

7289.92 Aug9 0738 Pro 1 RRI Nabire, on Aug 9. Poor to almost fair, but constant QRN (static). Highlights: 0738-0800: Music program; non-stop songs. 0800-0816: Starting with drums, the news; ending with patriotic song "Bagimu Negeri." 0816-0859: Another music segment; non-stop songs. 0859-0909: Reciting from the Qur'an. 0920\*: Suddenly cut off in mid-song, as Bryan Clark (New Zealand) has already reported to WOR iog (Ron Howard, Asilomar State Beach, CA, USA)

7300 Aug1 Daniel Wyllyans wrote: Alert DX: RRI NABIRE? 7300 kHz <https://youtu.be/rj6211QIDII> (Daniel Wyllyans via Hard-Core-DX mailing list)

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Axually 7289.92 on the 26-minute clip which starts out nothing but noise. About 12 minutes in, briefly switches to clear music, webfeed check?? At 19 in, clear Qur'an which seems to match the SW audio. I do not see any time of recording on this Perseus clip. Nabire is not in current Aoki on any frequency. It's still in WRTH 2018 as inactive on 7290v at 2200-2300 & 0500-0830v. Without any times, inactive night frequency was 6125. MW is [coincidentally?] 729 kHz, reported in June 2018 from Australian DX News monitors. Ron Howard reported it in \*2016\*, here via DSWCI DX Window: INDONESIA 7289.93, RRI Nabire, 0922-0957\*, Jul 18, light music. Unusual reception, due to actually hearing audio here. (Howard) Note the close match in exact frequency to the new report. Atsunori Ishida's now dormant website showed it last (barely?) heard July 31, 2016: <http://rri.jp.org/dat/html/2016/2016-08.html> (Glenn Hauser, DXLD)

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Very good news! Here is a clear ID ("Programa Satu, Radio Republik Indonesia Nabire") on my 2012 audio, at 0:12 - <http://goo.gl/N36LHM> . (Ron Howard California via WOR)

7310 Aug4 \*1000- Radio Mi Amigo, Kall Krekel, pop songs, English id. "Radio Mi Amigo" comments. (Méndez)

7330 Aug5 \*1000- Radio Joystick, The Charlie Prince Show, \*1000-1059\*, pop songs, German, comments. (Méndez)

7425 Jul17 0950 RNZI at 0950 with a repeat of a "Nine to Noon" feature then female pop vocals at 0955 to 0958 and a man with small talk to time pips at 1000 and a man with "RNZ News at Ten" – Fair to Good (Coady-ON)

7425.0 Aug7 0936 R.NZi, Rangitaiki. E, interview, nx at 1000, ..., tks. 25431 (CGS)

7490+ Aug10 0038 WBCQ with some neat honky-tonk piano music more to my taste than VORW playing a request for Stray Cats on WRMI 7730; then another jazz piano tune, but 0045 cut to gospel huxtress in English. What's all this? WBCQ schedule just shows "Available Time Slot" for 8-9 pm EDT Thursday --- was that an ex-VORW time too? Now not on 7490 sked at all.. (Glenn Hauser, OK)

7490+ Aug11 0000 // 9330.1 // 5130-, UT Sat Aug 11 at 0000, WBCQ `Allan Weiner Worldwide` about the same on the top two, JBA on the third, but all synchronized. The "brain trust" are all in the studio, besides Angela, also Tom Barna and Timtron. When AW remark that Hillary should be in jail, I tune out at 0011. Recheck at 0024, TimTron is monologuing about his bout with Lyme disease, how he takes 7 meds in the morning, no alcohol but pot OK, and he is now recovering, but has had other medical problems such as at 0030 a tick on his dick, which the studio audience finds quite amusing. That's all I can report this week, and John Carver's computer is down, so we may not hear more from him (Glenn Hauser, OK)

7505v Aug1 1133 WRNO, heard again at 1133 (YL preaching in English, with OM running translation into

			Chinese), after being silent on July 31, checking 1043, 1114, 1135 & 1233 (Ron Howard, Asilomar State Beach, CA, USA)
7505	Aug2	0416	WRNO New Orleans with station ID and popular music. 2-3 (CB)
8785U	Aug5	1000	Itoman Marine Radio. Thanks again to Glenn Hauser for pointing out this one back in 2014; still being heard with a good signal; in Japanese, assume giving the haul information of each Okinawan fishery ship. Well heard more or less on a daily basis. Thanks also to Takahito Akabayashi (Tokyo, Japan) for his original info about this station (callsign JFE) and their mailing address: Fishery Radio Communications Center of Okinawa Prefecture, Nishizaki 1-4-11, Itoman City, Okinawa, 901-0305 Japan. Website (in Japanese) - <a href="http://www.okinawa-jfe.jp/">http://www.okinawa-jfe.jp/</a> . My audio at <a href="http://goo.gl/Vcxfkp">http://goo.gl/Vcxfkp</a> (Ron Howard, Asilomar State Beach, CA, USA)
9395	Jul20	0055	VOWR Radio (via WRMI) at 0055 with a Cranberries tune and a man with the playlist, station info, and a reception report – Very Good (Coady-ON)
9395	Jul20	0100	RAE (via WRMI) at 0100 with multilingual IDs and “RAE Argentina to the World” with a man with opening announcements to 0104 and into news- Very Good (Coady-ON)
9395	Jul20	0223	AWR at 0223 with Jeff White hosting “Wavescan” - Very Good (Coady-ON)
9395	Jul20	0230	Radio Tirana (via WRMI) at 0230 with opening music and a woman with ID and opening announcements and into news at 0231 – Very Good (Coady-ON)
9410U	Aug6	0940	USB+carrier, Fu Hsing BS, at 0940, on Aug 6 and at 1239, on Aug 5. Mostly fair reception and on the air more days than they normally are. Also much better reception recently than in the past. Taiwan's other frequency (9774) remains silent (Ron Howard, Asilomar State Beach, CA, USA)
9420	Jul18	0226	VOG. Pop song (Celine Dion - "My Heart Will Go On"); 0256-0300, IDs in English and Greek ("This is Athens. You are listening to the Voice of Greece"), along with IS (Ron Howard, Asilomar State Beach, CA)
9485	Aug5	1000	Hamburger Lokal Radio, Gohren, English, id. “This is Hamburger LokalRadio”, program “Media Network Club”, at 1030 Glenn Huaser’s program “World of Radio”, at 1100 Spanish, “Radio Tropical”, program “Discofonía”. (Méndez)
9490	Jul23	0125	Radio Republica at 0125 with Latin American female vocals and a man with slogans and “Radio Republica” IDs followed by more slogans – Very Good (Coady-ON)
9510	Jul21	*0759-	Radio City via IRRS, id. “This is IRRS, Italian Radio Relay Service signing on”, “Radio City, the station of the cars...”, English, comments, pop songs. (Méndez)
9515	Jul20	0257	Voice of Turkey at 0257 // 6165 (barely audible with RHC) with IS and ID loop to time pips at 0300 and a man with ID and sked and web platforms then a woman with program highlights at 0301 and into news – Very Good (Coady-ON)
9515	Aug3	2020	Radio Marumby, Curitiba, religious comments. (Méndez)
9515.0	Aug3	2109	R.Marumby. Rlgs. propag. QRM de CHN (p). 44343 (CGS)
9550.1	Aug6	2107	R.Boa Vontade, Pt.º Alegre RS. Mx. Adj. QRM. 23341 (CGS)
9565.0	Aug6	2109	SRDA, Curitiba PR. Rlgs. propag., testimonials. Meas. 9564.962. QRM de R.Martí on 9565.031. 32331 (CGS)
9635	Aug4	*0800-	Radio Mali, Bamako, tuning music, French, id. “Radiodifusion TV du Mali emettant de Bamako”, comments. Strong carrier, very weak audio.. (Méndez)
9635.0	Aug5	1333	R.Mali, Kati. Empty carrier. 35343 (CGS)
9630.6	Aug7	1848	R.Aparecida, Aparecida SP. Songs, tks. Improving. Rtd. 34443 at 2105, mass in progress. // 11855 off. 25331 (CGS)
9650	Aug5	*0635-	Radio Guinée, Conakry, African songs, French, comments, id. “Radio Guinée, le marque de savoir-fair”, “Radio Guinée, responsabilité”, “Radio Guinée, 90.0 FM”. “Radio Guinée la grande maison”, AT 0730 Catholic program “Le Jour du Seigneur”. (Méndez)
9650.0	Aug1	2111	R.Guinée, Sonfonia. F, tks, interviews. Adj. QRM. 43442 (CG)
9664.9	Jul30	2139	R.Voz Missionária. Rlgs. propag. Adj. QRM. 34432 (CG)
9674.9			Radio Canção Nova, Cachoeira Paulista, seems to be <b>out of air</b> for more than two months. (Méndez)
9725	Aug1	1203	StarStar Broadcasting Station (XingXing BS), V13. Numbers in Chinese. My audio at <a href="http://goo.gl/BoNXfG">http://goo.gl/BoNXfG</a> (Ron Howard, Asilomar State Beach, CA, USA)
9725.4	Aug4	2200	R.Evangelizar, Curitiba PR. Mass. 35443 (CGS)
9730	Jul17	0003	RRI at 0003 with a woman with news followed by a news recap and into a man at 0007 with a report on possible government reforms recommended by the Council of Europe – Very Good (Coady-ON)
9730	Aug7	0856	(actually somewhat lower in frequency), Radio Free Asia relay via Sound of Hope, on Aug 7. Tuned in to hear IS at 0856, during which at 0858 had an ID in English (“You have been listening to Radio Free Asia”); decent reception for summertime (QRN/static), per audio clip - <a href="http://goo.gl/7QMv6z">http://goo.gl/7QMv6z</a> (Ron Howard, Asilomar State Beach, CA, USA)
9745	Aug3	1631	Radio Bahrein, Abu Hayan, Arabic songs. (Méndez)
9819.0	Aug4	2146	R. 9 de Julho, São Paulo SP. Tks. Adj. QRM de CHN on 9820. 23441 (CGS)
9819.8	Jul19	2010	Radio 9 de Julho, Sao Paulo, religious comments and songs. (Méndez)



9820	Jul12	1136	Beibu Bay Radio, 1136-1310. Mostly in Chinese and Vietnamese; EZL pop songs; each ToH Chinese and English time checks for Beijing time. Has been a long time since I last checked this frequency, as in the past it was always found with stronger stations blocking reception, but not so now; nice clear frequency and good signal; occasional IDs in English; // 5050. July 13, with "Showtime"(?) music show, playing top ten songs; fair. (Ron Howard, Asilomar State Beach, CA, USA)
9830	Jul17	2232	Voice of Turkey at 2232 with folk vocals to 2234 and a man with "The Question of the Month" - Very Good (Coady-ON)
10051U	Aug6	0927	Gander Radio (VOLMET). Very readable aviation weather. My audio at <a href="http://goo.gl/CM5y1T">http://goo.gl/CM5y1T</a> (Ron Howard, Asilomar State Beach, CA, USA)
11580	Jul11	*1315-	FEBA-Radio India (Trincomalee?) *1315-30+ 9, 10, 11 July. IS, "You are listening to the FEB[C] radio programme on the 25-meter band..", with programmes in EG, Telugu, Malayalam, Kannada, & Tamil. Aoki has this as FEBA-Radio India via Trincomalee, but the opening announcement sure sounds like FEBC (although the FEBC website doesn't show 11580 in use 1315-1345 daily), so transmitter site may be 'iffy'. (Dan Sheedy)
11610	Jul23	2058	World Christian Broadcasting (KNLS) at 2058 in Mandarin with OC to IS at 2100 and opening music and a man with opening announcements and into female pop vocals at 2101 - Very Good (Coady-ON)
11640	Jul23	1218	CRI at 1218 in Vietnamese with a man and woman with talk - Fair over Firedrake which was jamming RTI in Mandarin (Coady-ON)
11665	Jul12	1315	Wai FM - Limbang, yet another Thursday with their unique IDs for "Wai FM - Limbang"; scheduled 1315-1400. Surprised today to hear this and also 9835 (Sarawak FM) go off the air at 1400*, just as the news started. An anomaly? "Wai FM - Limbang" is also on Monday at the same time (Ron Howard, Asilomar State Beach, CA, USA)
11680	Jul20	0520	Voice of Hope, Lusaka, English, religious comments and songs, id. "Voice of Hope Africa". (Méndez)
11689.8	Aug4	-2058*	Scandinavian Weekend Radio, Virrat, pop songs and comments in Finnish and English, "Closing Ceremony". (Méndez)
11689.88	Aug4	2020	Scandinavian Weekend R, Virrat Finnish ann, English pop songs // 5980,00 (AP-DNK)
11710	Jul23	1138	Voice of Korea at 1138 in French with a woman with talk then soprano vocals at 1140 - Fair (Coady-ON)
11719.9	Aug4	0715	Scandinavian Weekend Radio, Virrat, Finnish comments, pop songs. (Méndez)
11735	Aug3	1800	Zanzibar Broadcasting Corporation, Dole, English, female, id. "it's nine O'clock African time, this is Zanzibar Broadcasting Corporation, the news", news. (Méndez)
11735.0	Aug3	1631	Zanzibar BC, Dole. Swah, tks, interviews. Adj. QRM. 34443 (CGS)
11735	Jul27	2030	Rádio Transmundial noted with Christian hymns and no interference from Zanzibar. 2-3 (CB)
11735.0	Jul30	2135	R.Transmundial, St. <sup>a</sup> M. <sup>a</sup> RS. Wx forecast, rlg. propag. 35443 (CG)
11735	Aug8	1940	Radio Transmundial, Santa María, today still on air, religious program, male, id. "Transmundial", at 1950 they announced will cease short wave transmissions at 0000 hours 09 August. Slight interference from Zanzibar. (Méndez)
11735			RTM closed down SW permanently on August 9 [sic] in past tense even tho it is still August 8 in Brasil. No more QRM to Zanzibar on 11735!! But try today in case it still be on until 2100v* one last time. Other frequencies 5940v and 9530 were not so well heard (Glenn Hauser, OK)
11775	Jul23	1216	Caribbean Beacon at 1216 with a taped sermon by the late Dr. Gene Scott - Good (Coady-ON)
11780	Jul22	0114	very surprised to find RNA on the air after 2300! Like the good old days; modulation is fine now and no spurs either. Is S9 with old romantic song. 0116 DJ outro says it was from 1943y, "Sempre em meu coração". Seems it's a nostalgia show, and DJ talks about as long between songs as each song lasts, next at 0118. 0139 "Histórias do Frazão", program title, and mentions other stations besides R. Nacional, such as Rádio Tupi. Found program page as on air at 22h local time Saturdays on RN Brasília: <a href="http://radios.ebc.com.br/historias-do-fraza">http://radios.ebc.com.br/historias-do-fraza</a> What does fração mean? It's the name of the presenter: "Sobre o programa --- Os fatos históricos e as curiosidades dos bastidores da Música Popular Brasileira no relato do produtor e memorialista Osmar Frazão. Apresentação: Osmar Frazão". Hope they'll keep up an expanded schedule with lots of good music, even 24/7 like it used to be! However this particular program adds to the glut of conflicting good music shows Saturday nights, such as Wolverine, KBC, WTWW, WWCR, WPCR, RRI, ERT, etc., etc. (Glenn Hauser, OK)
11780	Aug4	2010	Radio Nacional da Amazonia, Brasilia, soccer, live matches. (Méndez)
11785	Jul23	1129	VOA at 1129 // 15250 in Mandarin with a man with deliberate talk uninterrupted by 1+1 time pips of CNR1 jammer - Good over CNR1 jammer July 23 (Coady-ON) - It doesn't happen often that I hear the VOA over the jammer. I hope they are heard better and on a more consistent basis in China. (Coady-ON)
11785	Jul23	1130	CNR1 at 1130 // 15250 in Mandarin jamming the VOA in Mandarin via the Philippines with

11790	Jul23	2032	1+1 time pips and a man with excited talk – Poor under VOA for a change (Coady-ON) AWR at 2032 in Yoruba with a woman with brief talk followed by woodwind music and the woman with brief talk and more woodwind music and back to the woman with long talks from 2033 – Fair to Good (Coady-ON)
11810	Jul23	2103	BBC at 2103 with a woman with “BBC News” then a woman at 2106 with “The Why Factor” exploring male friendships - Good (Coady-ON)
11815	Aug5	0925	Radio Brasil Central, Goiania, Brazilian songs, comments, id. “Brasil Central, Goiania 6 horas 30 minutos”, at 1001 program “Goiás Caboclo”. (Méndez)
11815.0	Aug3	1617	R.Brasil Central, Goiânia GO. Px <i>Show da Tarde</i> . 25342 (CGS)
11834.9	Aug3	2018	Radio Evangelizar, Curitiba, religious comments. (Méndez)
11850	Jul23	2027	RRI at 2027 // 13650 with IS to opening music at 2030 and a man with ID and target area and web platforms and a woman with news at 2131- Good (Coady-ON)
11855.7	Jul28	2016	Radio Aparecida, Aparecida, religious comments and songs. (Méndez)
11855.8	Aug3	2104	R.Aparecida. Mass. 35443 (CGS)
11885	Jul23	1954	AWR at 1954 in Ibo with a male preacher followed by brief African tribal rhythms then a man and woman with talk at 1955 – Poor to Fair July 23 (Coady-ON)
11895.1	Aug3	2015	Radio Boa Vontade, Porto Alegre, religious comments. (Méndez)
11895.2	Aug3	2106	R.Boa Vontade, Pt.º Alegre RS. Rlgs. propag. Adj. QRM. 34443 (CGS)
11934.9	Aug5	2204	R.Evangelizar, Curitiba PR. Mass, ref. to the <i>Dia do Padre</i> . 34443 (CGS)
11965	Jul23	1951	World Christian Broadcasting (KNLS) at 1951 in Arabic with a male preacher – Fair (Coady-ON)
11995	Jul23	1949	RFI at 1949 in French with three men in a roundtable discussion – Fair to Good (Coady-ON)
12060	Jul23	1945	Radio Algerienne at 1945 in Arabic with a woman with talk followed by brief Middle Eastern music then a mix of Islamic Call to Prayer and a woman with talk between verses – Fair (Coady-ON)
12255.0	Aug5	1547	Reflections Europe - pir. E, rlg. propag. pxs. 25342 (CGS)
13650	Jul17	2043	RRI at 2043 // 11850 with a man with “Business Club” about Romanian deep sea gas exploration in the Black Sea - Good (Coady-ON)
13690	Jul23	1332	CNR1 at 1332 // 13830 in Mandarin jamming the VOA in Mandarin via the Northern Marianas with a woman with a promo and a man with excited talk – Fair (Coady-ON)
13750	Jul23	1325	RRI at 1325 with a man and woman with report on a new soccer stadium and into female pop vocals at 1327 – Fair (Coady-ON)
13830	Jul23	1136	CNR1 at 1136 in Mandarin jamming RFA in Tibetan via Tajikistan with a man and woman with excited talk – Fair (Coady-ON)
13840	Jul18	0059	RNZI at 0059 with a woman with program highlights then time pips at 0100 and a man with “Radio New Zealand News at One” - Weak but audible (Coady-ON)
13840.0	Jul31	2110	R.NZi, Rangitaiki. E, <i>Dateline Pacific</i> , ..., songs, nx at 2200. Vy. poor by 2200. 25432 (CG)
15110	Jul23	1343	CNR1 at 1343 // 13690, 13830, 15275, and 15745 in Mandarin jamming the VOA in Mandarin via Thailand with a man conducting a telephone interview of another man – Very Good over VOA (Coady-ON)
15110	Jul23	1346	VOA at 1346 in Mandarin with a man with talk with apparent English sound bytes – Barely audible under CNR1 jammer (Coady-ON)
15140	Jul23	1937	RHC at 1937 with a woman talking about a visit to Cuba by then Prime Minister Jean Chretien in 1993 and comments by a man about the ongoing solidarity between the Cuban and Canadian people – Fair in peaks mixing with Oman (Coady-ON)
15250	Jul23	1113	CNR1 at 1113 in Mandarin jamming the VOA in Mandarin via the Philippines with a man and woman with excited talk – Fair (Coady-ON)
15250	Jul23	1132	VOA at 1132 // 11785 in Mandarin with a man with deliberate talk – Fair mixing with CNR1 jammer (Coady-ON)
15275	Jul23	1341	CNR1 at 1341 // 13690, 13830 and 15745 in Mandarin jamming RFA in Tibetan via Tajikistan with a man conducting a telephone interview of another man – Fair (Coady-ON)
15300	Jul23	1934	RFI at 1934 in French with a man with a speech with many mentions of “Afrique” followed by a man talking about the speech – Fair in peaks (Coady-ON)
15476			LRA 36, Radio Nacional Arcángel San Gabriel seems to be out of air for more than two months. (Méndez)
15745	Jul23	1337	CNR1 at 1337 // 13690 and 13830 in Mandarin jamming RFA in Tibetan via Tajikistan with a man with excited talk – Fair (Coady-ON)
15809.9	Jul29	2000	WTWW noted with station ID followed by Christian programming. 2-3 (CB)
15629.871	Aug3	0139	very poor fluttery signal with talk. Aoki/NDXC shows 15630 is AWR via Trincomalee at 0100-0200 in Chinese languages. Any signal on 19m after sunset here has a good chance of being the OSOB, and lacking a WTWW, indeed this one is, despite its poverty (Glenn Hauser, OK)

## Contributors to the log:

wb, Wolfgang Büschel, df5sx, wwdxc BC-DX Top-News, DXLD, DXplorer, A-DX Glenn Hauser, Enid, OK, USA (also from WOR&DXLD) Ron Howard, Oceanside at Pacific Grove, CA, USA CB, Christer Brunström, Halmstad, Sweden Daniel Wyllyans, , Nova Xavantina, MT, Brasil Coady-ON: Mark Coady, Selwyn, Ontario Dan Sheedy, Moonlight Beach/Encinitas Jorge Freitas-B via HCDX	(CG) Carlos Gonçalves, Lissabon, Portugal (CGS) Carlos Gonçalves, SW coast, Portugal AP-DNK, Anker Petersen, Skovlunde, Denmark Méndez, Manuel Méndez, Lugo, Spain TB, Tomas Burian, Morava, Czechia Dave Valko, Dunlo, USA Robert Wilkner, Pompano Beach, Florida Claudio Galaz, Ovalle, Chile via Lista ConDig
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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

**ALGERIA [non].** Mark Coady has posted a couple of logs to ODXA about Calls to Prayer from Saudi Arabia on 25 m being // to relays of RTA via FRANCE on same band. He thinks it's a network feed from Islamic HQ.

I doubt this, as CTPs should depend on local and constantly shifting times; so try to check with two receivers whether they are really //, and synchronized:

11820+, August 2 at 1929, BSKSA Qur'an and there is also Qur'an on very poor 12060, which is RTA via France, but they are \*not\* // --- or rather they are definitely not synchronized, but Qur'anic is so repetitive, that I can't tell if they may match some seconds apart.

11985 is another weak frequency this hour of RTA via France, and 11915 is another frequency of BSKSA. As one would expect, 11820+ // 11915, and 11985 // 12060, but not in cross-station combinations.

However, since this Qur'anic goes on for most of an hour, it's not specific Calls To Prayer, but extended recitations, so the two stations could be connected. Further chex might elucidate.

It's really counterproductive to broadcast local CTPs to a worldwide SW audience as that could mislead the faithful into praying at the wrong local times! Some stations may do it anyway since SW is merely plugged into relay domestic services (Glenn Hauser, OK)

-----  
Hi Glenn,

Thanks for your interesting Qur'an comments. Yes, I also believe some posters don't recognize the difference between reciting from the Qur'an vs the Call-To-Prayer (CTP), which are two distinctly different things.

Based on my years of listening to both via SW, I can venture a few basic observations.

CTPs, as heard on SW, are always 3 to 4 minutes long. Is fairly easy to make out the CTP with the distinctive "Allāhu akbar" - <https://www.youtube.com/watch?v=HrF4IriUwdk> . Is simple to check on-line for the local CTP times for the SW station heard. I have found the SW CTPs to be within a few minutes of the locally scheduled times.

Over the years, the most common prayer that I have heard on SW is the Maghrib prayer (just after sunset). Of course this is a very productive time to catch a SW station, when it is going into darkness, so reception often works out very well. Back in 2015, had a wonderful visit to Istanbul (Turkey). It was the first city in which I heard the adhan (Islamic call-to-prayer), via loudspeakers. Very unique!

On the other hand, reciting from the Qur'an normally goes on much longer than 5+ minutes, and doesn't contain the same "Allāhu akbar" as with the CTP.

(Ron Howard, California via WOR)

**AUSTRALIA. Ozy Radio.** Interesting development with regard to one of our domestic SW stations currently playing great Aussie hits from the last few decades.

As per the attached image, a post on the ARDXC Facebook page, Craig Allen is looking to lease Ozy Radio to a "national broadcaster or religious group"

(Regards, Michael Cunningham)

Yes. Basically a rehash of the one put in for that parliamentary committee but with the outback bits removed and greater stress on the Pacific audience and international relations. 23:43

last Tue Like Reply More



Marcus Fitz-Gerald

Still no domestic services from the national broadcaster back on. Senators lost interest? Love that 4KZ is on SW, they shouldn't be the only one.

last Tue Like Reply More



Craig Allen

For lease 4835Khz and 4910 Khz suitable for domestic Broadcasting. May be suitable for National broadcaster or Religious Group.

9 hrs Like Reply More



Write a reply...

Reply



## **BOLIVIA. 5936 R Yura reactivated. Read all about it here:**

<http://www.bclnews.it/2018/07/30/radio-yura-bolivia-reactivated-on-5935-5936/>

(Tore B Vik)

## **BRAZIL. Cierre Radio Transmundial**

Radio Transmundial, para todo o mundo ouvir”, como solía identificarse, con nocturnidad, pues cerró sorpresivamente en la noche, y alevosía, dejó la onda corta esta emblemática emisora religiosa brasileña el día 9 de agosto a las 0000 hora de Brasilia, 0300 UTC. Sólo unas horas antes, en la tarde del 8 de agosto, el Dx-ista brasileño Daniel Wylyans había informado, a través de Hard Core DX que, según le comunicaban de la emisora, esta dejaría de emitir en la onda corta el día 9 de agosto

La mejor hora, aquí en España, para sintonizar a Radio Transmundial era a partir de las 1900 UTC en su habitual frecuencia de 11735 kHz. Antes de esa hora, normalmente solía estar muy interferida por Zanzibar en la misma frecuencia, pero a partir de las 1900 la señal de Zanzibar suele decaer mucho y la de la brasileña iba a más, y sobre las 2000 horas, muchos días ya solo se escucha a Radio Transmundial y otros con una leve interferencia de la estación africana.

El que suscribe estuvo escuchando, por última vez, a Radio Transmundial en 11735 kHz, entre las 1940 y las 2020 horas del día 8 de agosto, y, efectivamente, a las 1950 anunciaron que a las 0000 horas del día 9 de agosto dejarían la onda corta, dando las gracias por haberlos acompañado por más de 20 años y que, debido a los avances tecnológicos era la mejor decisión que podía tomar, pues ahora mucha gente los escuchaba a través de dispositivos móviles e internet. A partir de las 2000 la señal era buena aquí en Lugo, escuchándose fuerte y claro, SINPO 34433.

“Radio Transmundial, para todo o mundo ouvir”, así reza el slogan identificativo, pero a partir de ahora, será escuchada por muchos menos oyentes. Esta emisora tenía una fuerte penetración a través de la onda corta en todo el territorio brasileño y en otros países, debido a la buena calidad de la señal, en comparación con otras emisoras brasileñas, y a la buena calidad de sus programas, pues además de los programas religiosos, siempre con un discurso moderado, emitía noticias, música y otros programas.

Seguro que perderá muchos oyentes en muchas zonas de Brasil y de Latinoamérica, sobre todo en las inmesas zonas rurales en donde no hay fácil acceso a internet.

“Radio Transmundial, para todo o mundo ouvir”, no quiere que la oigamos, a partir de ahora, en los 11735 kHz, con sus habituales programas “Bom Dia RTM”, “Historia das Missões” y otros muchos programas, y sigue la moda de otras emisoras de centrarse sólo en internet, cuando la onda corta, especialmente en muchos lugares del mundo, sigue siendo el medio más idóneo para llegar a multitud de oyentes.

Abajo va la dirección postal, de correo electrónico y página web a través de la cual se puede enviar un mensaje desde un formulario, para todos aquellos que quieran quejarse por el cierre de la onda corta de Radio Transmundial. Yo ya lo he hecho.

Un saludo.

Rádio Trans Mundial, E-mail: [rtm@transmundial.org.br](mailto:rtm@transmundial.org.br), <https://www.transmundial.com.br/contato/>, Rua Épiro, 110 – Vila Alexandria – São Paulo – SP, CEP – 04635-030, Caixa Postal: 18.113 – CEP – 04626-970, Fone: (11) 3017-6600  
What’sApp: (11) 97418-1456 ,E-mail: [rtm@transmundial.org.br](mailto:rtm@transmundial.org.br)  
(Via Manuel Méndez)

## **BRAZIL. Nota de esclarecimento a imprensa DX e ouvintes:**

Em atenção à imprensa e à sociedade, Informo que a Rádio Gavião mudou de nome. Será oficializada como Rádio Serra do Roncador., (Faixa de Ondas Curtas banda de 31 metros). O cristal do estado Paraíba está proposto para a frequência de 9925 kHz pelo o técnico da Cidade Oldies. Os testes iniciam ainda esse ano. Inicialmente vamos cobrir os Estados de Mato Grosso, Goiás, Sul do Pará, Oeste da Bolívia, Norte do Mato Grosso do Sul e talvez Acre e Amazonas. Eu pessoalmente estarei montando a antena em fios sobre postes. Não será torre. Todos os testes serão avizados em nossas redes sociais. Obrigado pelo aguardo e paciência. Daniel Wylyans (Proprietário e técnico da Rádio Serra do Roncador) Sobre a Serra do Roncador: A Serra do Roncador é uma região que se localiza no ponto mais central do Brasil, no estado do Mato Grosso, mais especificamente entre o rio das Mortes e o rio Araguaia a leste, e o rio Xingu e Kuluene a oeste, chegando a atingir até 700 metros de altitude em alguns pontos.

A região da Serra do Roncador é, até hoje, a mais desconhecida da selva sul-americana. Uma imensa cordilheira da era plutônica que se ergue como divisor de águas do Araguaia e do Xingu. Estende-se por cerca de 800 km, aproximadamente, desde Vale Dos Sonhos, no Mato Grosso até as proximidades da Serra do Cachimbo, no estado do Pará.  
(Daniel Wyllyans Brazil via HCDX)

#### **INDIA. Questions over future of All India Radio's external service, Hindustan Times August 6**

The external services division of All India Radio (AIR) is caught in a turf war between the ministry of information and broadcasting (MIB), which runs it and the ministry of external affairs (MEA), which is expected to fund it.

While the MIB wants the service to continue and even expand; MEA has been suggesting shutting down the programmes, pointing out that the service offered through short wave transmission has outlived its utility and does not attract listeners abroad, said an MIB official aware of the developments.

Full article: <https://www.hindustantimes.com/india-news/i-b-ministry-and-mea-at-odds-over-all-india-radio-external-service/story-k8CDvm9gmYSJ4gDzuYrHiK.html>

(Mike Barraclough, Letchworth Garden City, UK via WOR)

**MEXICO. Radio Educación in Mexico** has a new ID for their SW service, hitherto known as Radio Educación onda corta. **Señal Cultura México**, and/or **Cultura México Señal Internacional** is on the air on 6185, at 2300-0555. There are several web pages giving further info on this service, one of them being <http://www.radioeducacion.gob.mx/culturamexico/index.php>. The new slogan has been in use for about one year. They are interested in reports, which will be answered by online QSL, said Ms Pilar Cruz in the 24<sup>th</sup> Encuentro Diexista, held 27-28 July in San Luis Potosí, Mexico. "Sintonía libre" is a letterbox programme aired Tues. Thurs and Sun at times given at <http://www.radioeducacion.edu.mx/carta-programatica-del-mes>. The international service can be heard online. (Henrik Klemetz)

**PERU:** Los vengo captando en los 5820.00 kHz, en mas de una oportunidad, esta es una estación que la hemos venido escuchando desde tiempo atrás en cadenas con otras estaciones del interior del país. La señal salía desde Lima 1380 kHz, pero ahora los escucho en esta frecuencia. Eso era parte de los reportes como R. Chaski anteriormente, pues solo decían el ID de la Radio al s/on y/o s/off (5980kHz)

**5820.00 PERÚ, R. Nuevo Tiempo, (?), 2300-2335 UTC,4444 .mx y px religioso, ID "Radio Nuevo Tiempo"** (escuchar grabación adjunta), solo dan el ID, mas no indican de que lugar transmiten ni frecuencia alguna..

Los he encontrado en Facebook <https://www.facebook.com/radiontperu/>

(Fra Pedro Arrunátegui i Lima via Tore B Vik)

#### **SUDAN SOUTH [non]. Eye Radio**

Short wave broadcasting for South Sudan was restarted for the first time in 8 months from August 1 as already reported. This station had previously performed short wave broadcasting as Sudan Radio Service.

Eye Radio is continuing to broadcast under the support of the USAID International Development Agency USAID as a project of the Educational Development Center (EDC) which is a US-based NGO.

The South Sudanese government continues to block mobile phones and WiFi specific sites, and there are places that FM can not cover, and it seems that he [sic] has resumed short-wave broadcasting.

Starting around 15 minutes [to?] about 25 minutes English news etc. are out. There are many local languages other than Arabic.

0400-0500 11620 MDC 250 kW Sudanese Arabic Mon-Fri

1500-1600 15410 ISS 250 kW Sudanese Arabic Mon-Fri

Source (Google translated): <http://hiroshi.mediakat-blog.jp/e129989.html>

(Alokes Gupta, New Delhi, August 2, cumbredx yg via DXLD)

-----  
I suspect that was a contingency plan for this one which has now eventuated via different facilities, but note the similarity in time scheduling. However, I am hearing nothing on 15410 at 1516 August 2. I think I may have had an unID carrier on it about an hour earlier. That would be CRI Chinese via Kashgar. (Glenn Hauser)

**USA. WINB** tweeted: **Unique Radio** will be testing on WINB DRM - 1100-1200 UTC 15670 kHz August 3, 10, 17, 24, and 31st. Directed to Western Europe and North Africa. Will QSL for audio reports sent to [winb40th@yahoo.com](mailto:winb40th@yahoo.com). Dream receiver has a button to record a .wav file.

(Mike Terry via WOR)

## [WOR] UNIDENTIFIED EGYPTIAN MUSIC STATION

Greetings Glenn, I am qsr711 (also known as Quim S.), and I have read your latest DX Listening Digest, corresponding to July 31st, 2018, and it brought my attention the unidentified Egyptian station that some DXers reported. I have some information from these broadcasts that might be of great use.

I recovered this information by myself while monitoring a number station from Egypt, and I also found it strange when I first saw these broadcasts, so I decided to keep an eye on them as well. After some years of monitoring, I came into the following conclusions:

- The unidentified Arabic music station has been around since at least 2014.
- The station uses the frequencies of 9400, 9550 and 9600 kHz.
- Transmissions take place every day in the morning, usually between 0900 and 1300 UT. Sometimes more than one is sent. However, I haven't seen more than one frequency active at once.
- Transmissions last 15 minutes (excluding test tones).
- The aired content is only Arabic music, the same track played in a loop throughout the broadcast. Some music tracks I identified are from artists like Oum Kulthum, Omar Khairat, and other Egyptian singers. Songs are often reused.
- Unlike Radio Cairo, these transmissions have very good modulation, and they use low power (I use kiwiSDR remote receivers in Greece to listen to it, and the signal is between S5 and S9). I have seen some Radio Cairo transmitters randomly turning on in the 31m band in the morning as well (carrier only, and using a random Radio Cairo assigned frequency), and these are way stronger than this station.

I hope this helps in resolving the source of this station. I would provide more information using the kiwiSDR TDoA extension to track the origin of the signal, and even some recordings I have, but I am away from the computer until late August and I can't make these on the mobile phone I'm using.

Best wishes, (qsr711 (aka Quim S.), August 4, DXLD)

-----  
Perhaps a separate site in Cairo area of the army/military, known to utility DXers? But again, we have no hard evidence it is even in Egypt (Glenn Hauser, DXLD)

## Other radio news

### CALCULATING SINPO and SIO SIGNAL REPORTS

If any S, I, N, or P is 1, that drives the Overall Merit down to 1, not to be calculated as an average of the preceding. Conversely, if you have three 5s and a 4, the O cannot be over 4. In between, Os of 2, 3 or 4 may be a bit more flexible. Or so it seems to me, who seldom employs SINPO.

OTOH, in the SIO code, where Noise and Propagation are ignored, the O could well be inexplicably MUCH lower than S and I, as N & P factors could be implicitly included, even modulation problems. (Glenn Hauser, DXLD)

### TECH NOTES - CISCO ROUTER RFI

Chinese made switching power supply for the DPC3825 all-in-one WiFi Cisco router generates enough RFI to impact AM-FM radios up to 200' away as well as sensitive test equipment in my Ham shack.

If you have email or social media, let CISCO know that importing cheap Chinese made unfiltered switching supplies is not OK and interferes with important radio services (Colin Newell - Victoria - B.C. CANADA, DXer.ca, UT July 18, Hard-Core-DX mailing list via DXLD)

### The DAB Radio Project in Norway Is Derailing

*Increasing political and business demands for a return to FM*

<https://digitalradioinsider.blogspot.com/2018/07/the-dab-radio-project-in-norway-is.html>

From digitalradioinsider.blogspot.com

([Reinhard Weiß](#) & [Mike Terry](#) via A-DX)



## Re - DXLD 18-29 - Sea water antenna (RADIO EQUIPMENT FORUM)

Hi Glenn,

The following item in the current DXLD reminds me of the Youtube video (2009) about a sea water antenna, which I still find to be an interesting idea. <https://www.youtube.com/watch?v=9tIZUhu21sQ> "SPAWAR Systems Center Pacific has developed a technology that uses the magnetic induction properties of sodium chloride (salt) in sea water to create UHF/VHF/HF antenna."

Also note this website:

[http://www.public.navy.mil/spawar/Pacific/technology/Documents/Sea\\_Water\\_Antenna\\_TIP\\_Final.pdf](http://www.public.navy.mil/spawar/Pacific/technology/Documents/Sea_Water_Antenna_TIP_Final.pdf)

(Ron Howard, California via WOR/DXLD)

Hi Glenn,

Seems that in 2009, they were looking for financial backing to proceed with commercially developing the sea water antenna, hence the video to show potential uses of the antenna. Seems that didn't happen and the project has not gone any further.

They probably keep the video up on Youtube in the off chance someone will still back them financially.

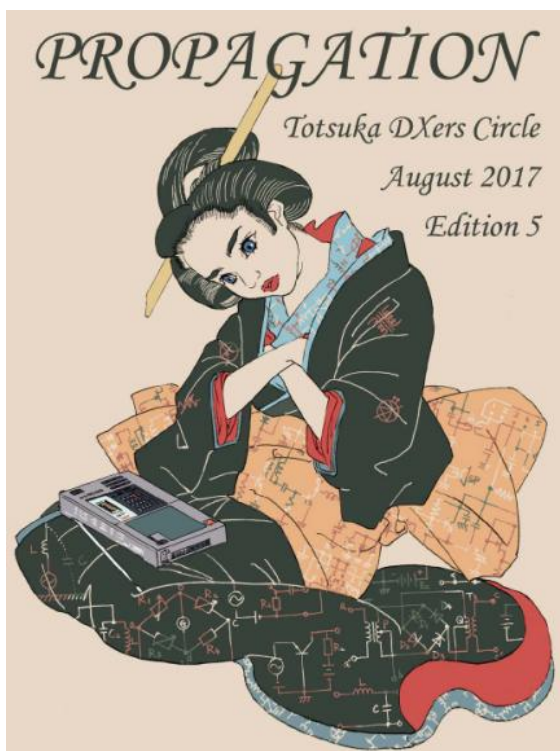
As to my attempting to put my long wire into the ocean, don't think it would be very practical for me. The coast line where I am is mostly rocky and uneven. The surf is often rolling in with decent size waves (note picture). Is rather unsafe to get to close to the surf, as we have rough waves (large, unexpected and suddenly appearing waves).

So I think I will remain in my car, where it's safe and comfortable, when I do my SWL. Also I am happy with the results I get from just 100 feet of long wire.

(Ron Howard California via WOR/DXLD)



Asilomar State Beach in the morning near Monterey, CA (Ron Howard)



### [A-DX] Japanisches DX-Magazin: Propagation

Das japanische "Propagation" DX-Magazin sollte man gelesen haben.

Auch wenn man die Sprache nicht versteht habe mich ich die letzten Jahre immer im Sommer auf die neue Ausgabe dieses DX-Magazins gefreut, alleine die Bilder vermitteln einen spannenden Eindruck von DX in Japan. Bis die neue Ausgabe in wenigen Wochen erscheint kann man hier die letzten Ausgaben als PDF herunterladen:

<http://my-bcl-life.sakura.ne.jp/PROPAGATION.htm>

(73 Christoph Rutzer via A-DX)

Totsuka DXers Circle TDXC that I belong to released the annual magazine PROPAGATION volume 6 just today! Even though most of pages are written in Japanese but some articles are written in English. I hope you enjoy our magazine.

<http://my-bcl-life.sakura.ne.jp/PROPAGATION.htm>

(Fumiaki Minematsu via DXing.info)

## BAMA BOATANCHOR MANUAL ARCIVE:

Här kommer en bra länk att lägga ut: BAMA: [The BoatAnchor Manual Archive](http://bama.edebris.com/manuals/)

<http://bama.edebris.com/manuals/>

Den innehåller en massa manualer på äldre och nyare Trafikmottagare med tillbehör samt instrument antenner mm (73, Dan Andersson i Delsbo)

## TDoA on KiwiSDR Net: Direction Finding for All!

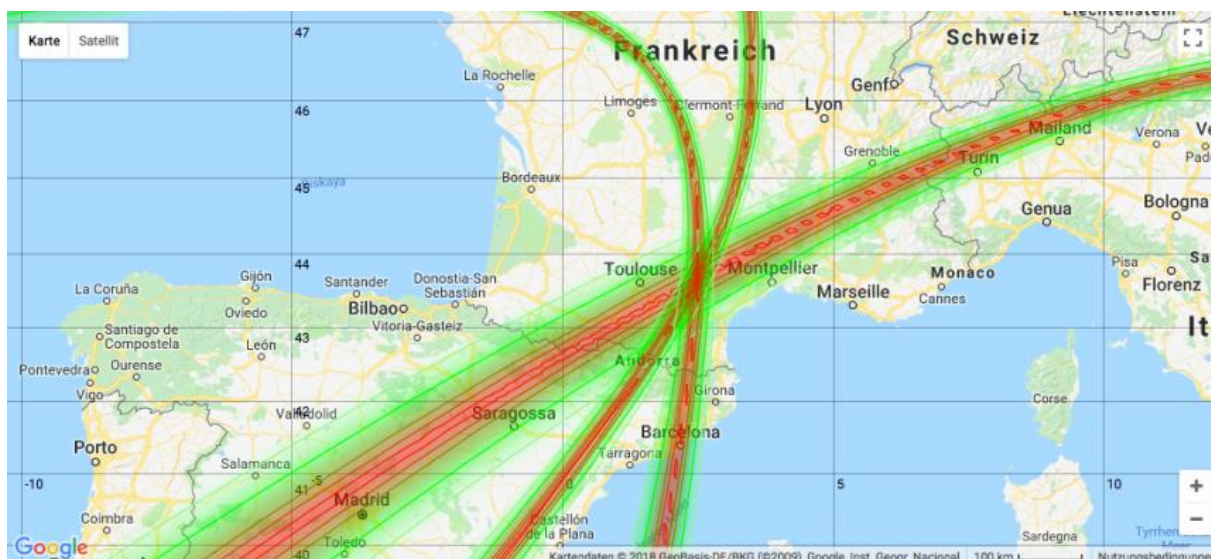
Neues von Nils Schiffhauer.

Seit Juli dieses Jahres kann man die KiwiSDR-Netz auch peilen - kostenlos und sehr komfortabel. Diese Funktion wird schon vielfach von Funkamateuren wie Kurzwellenhörern genutzt, die von dieser neuen Werkzeug begeistert sind. Gelegentlich ist Kritik zu hören, dass manche Ergebnisse (ziemlich) danebenliegen. Das liegt zumeist daran, dass dieses so genannten TDoA-Tool nicht optimal bedient wird. Deshalb hat Nils, DK8OK eine 22-seitige praxisbezogene Einführung geschrieben, die an 13 konkreten Fallbeispielen zwischen 2,6 MHz und 15,6 MHz erläutert, wie man dieses neuartige Werkzeug bedient - und wie nicht. 37 instruktive Illustrationen zeigen mit einem Blick, um was es jeweils geht und wie man zu optimalen Ergebnissen kommt.

Das PDF kann kostenlos und diskriminierungsfrei von seiner Website heruntergeladen werden:

<https://dk8ok.org/2018/07/25/direction-finding-first-experiences/>

(73 Christoph Ratzer via A-DX)



Four receivers are nailing Saissac as transmitter site of STANAG 4285 transmission on 12.666,5 kHz on July 16th, 2018, 15:45 UTC.

A dream has become true: direction finding (DF) in the range of 0 to 30 MHz for all! The method is “time difference of arrival”. This is a speaking term, and it works exactly like it says: measuring the different times of arrival of a signal at at least three different receivers and calculating the position of the transmitter.

Base is the [net of KiwiSDRs](#). If connected to GPS, each of this SDRs is able to deliver an I/Q stream with time stamps of a very high resolution. If you compare the recordings of different receivers tuned to the same station at the same time, you will find as slight time difference from receiver to receiver. This is due to the “time of flight” from transmitter to receiver. HF is traveling 300 km per 1 millisecond – so time is distance.

However, you don’t know the absolute transmitting time on transmitters other than time signal stations. So “Time Difference on Arrival”, or TDoA, measures the time *differences* of arrival. The first step is to compare the I/Q streams to find at which time difference their content does correlate. From these time differences, there are calculated curves onto a map. They cross in *that* region, where most likely the transmitter is located – see the screenshot at the top which I did to locate the STANAG 4285 transmitter on 12.666,5 kHz.

Due to concept, most reliable results (and, hence: sharp regions where the curves meet) are achieved only with the *same propagation mode prevailing at all receiving stations*. This is most strictly the case on VLF and long wave, where we mostly have one and stable waveguide-like propagation.

As soon as we approach skywave propagation, you must care for more or less the same propagation mode, of which a one-hop propagation (e.g. 1 x F2) should be preferred.

The software has been developed by some smart people around Christoph Mayer who also provides detailed information on the concept of this approach [on his website](#). It quickly has become an *extension* of the KiwiSDR net. This makes it very comfortable to use – if you take care of what is said above.

(DK8OK, Nils Schiffhauer via A-DX)



## Re: [A-DX] Time-Difference-of-Arrival (TDOA) - plugin bei Kiwi SDRs, Beta test version

Seit einigen Monaten arbeite ich zusammen mit dem KiwiSDR Entwickler an diesem Thema.

Hier einige weitere relevante Links:

- \* [kiwisdr.com](http://kiwisdr.com)
- \* <http://valentfx.com/vanilla/categories/kiwisdr-tdoa-topics>
- \* <http://81.93.247.141/~linkz/directTDOA/>
- \* <http://hcab14.blogspot.com>

TDOA code: <http://github.com/hcab14/TDOA>

(73, Christoph Mayer via A-DX)

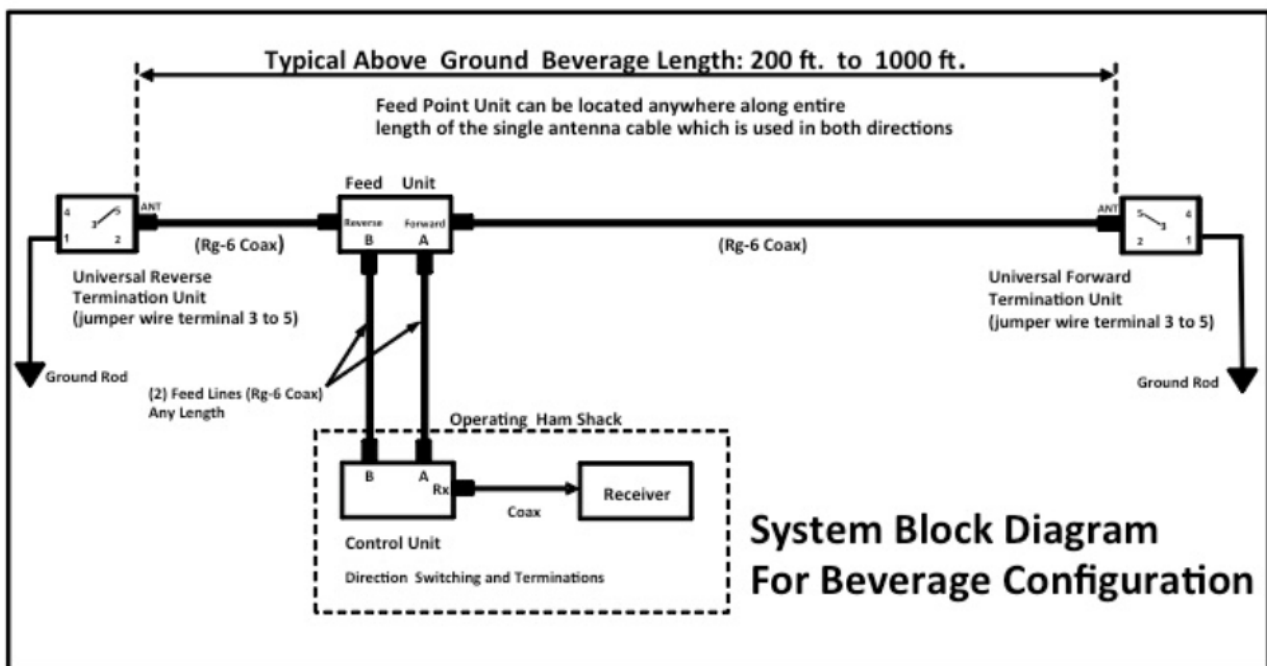
## JK Antennas. The Ultimate, Versatile, Reversible, Receive Antenna System

### FOUR Receive Antenna Designs in ONE Package

1. Classic Beverage
  2. Beverage on the Ground (BOG) or Beverage in Sod (BIS)
  3. FLAG
  4. Inverted EWE
- New unique design
  - Uses low cost RG-6 cable
  - Flexible feed-point can be located at any position along antenna length (Beverage & BOG/BIS)
  - All passive high-reliability design
  - Termination resistors can be adjusted from shack to optimize directivity and S/N



The JK BevFlex-4 is actually four antenna system designs in a single package and is based on our earlier BevPro-1 reversible Beverage antenna design that has been deployed worldwide. All four designs allow you to maximize your low frequency receiving capabilities based on your particular physical space constraints. All system designs are totally passive, provide 180 degree reversibility, and allow termination optimization from your operating position.



More information here: <https://jkantennas.com/rx-antenna.html>

### Manual & FAQ:

- <https://jkantennas.com/assets/jk-bevflex-4-manual.pdf>
- <https://jkantennas.com/assets/jk-bevflex-4-faqs.pdf>

### BevPro - 1: The Ultimate Reversible Beverage Antenna System

More info here: <http://www.nakatoyo.com/pixeltec/BevPro-1-Information-for-Web-site1.pdf>