

# SHORTWAVE BULLETIN

Issue no. 1852, June 19, 2015.

Deadline e-mail next issue: 0800 UTC, July 3, 2016.

Time again to compile another issue of SWB.

As you can read at the end of this bulletin I have had some problems with broadband noise and interference from my PC into Perseus.

Luckily - with the help from Stefan Wikander - most of the problems now are gone.

Maybe there are others who suffer from noise similar to what I have experienced and can find something of value.

So most of my DX-time has favoured MW where the conds have been quite good a few days towards the southern parts of South America. A few very interesting stations have been heard around 0130-0215 UTC mainly from Peru and Bolivia.

More about that in next issue of MV-Eko.

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.

**Carlos Gonçalves** . A situação nos 60 m deixou muito a desejar, c/ sinais ausentes, ruído q.b. entre o momento em que surge o primeiro sinal (que é, invariavelmente, o da R.Club do Pará, 4885) até muito perto das 2300 HUC, 2400 h de Verão aqui em Portugal continental, altura em que, por norma, termino as observações.

**John Ekwall**: Slog på radion för en gångs skull efter fotbollsmatchen. Blev överraskad att höra R Tarma så pass tidigt som 2100 UTC - visserligen mycket svag men ändå.. ABC Tennant Creek lite starkare på 2325 en kvart senare. Har jobbat med att totalrenovera ett rum (ej fönsterpartier) den sk Gula salongen, Den har fått ett uppfärschat golv och tak (10 dagars underarbete..) så jag börjar bli rätt nöjd nu. Återstår att få dit en ny skorsten men det blir väl i slutet av sommaren.

Rätt varmt ute så jag tog ett glas rött på däck och tittade på fullmåne. Fladdermusen slog sina lovar över mig och faktiskt såg jag en ekoxe flyga över hustaket - det är tid för deras svärmeri nu.

Hoppas du och Ingrid får en angenäm Midsommar./JOE

*Kul att höra att renoveringen går framåt där ute på Karön. Fanmtastiskt ställe med många gamla minnen.*

*Vi är ett gäng Bjuvsingar som träffats varje midsommar i över 50 år och denna gång blir det i Grevie hos min kusin. Tillställningarna är numera väldigt lugna. Det gick hett till innan brana föddes. Sen fick man ju vara ett gott föredöme och på senare år får man väl ta det lite lugnt ... Så det blir säkert riktigt trevligt att hålla traditionen vid liv.*

**Robert Wilkner**: Mosquito Coast DX News - 18 June 2016 - Subtropical rain storms have begun in south Florida. Conditions remain below average on the tropical band with frequent thunderstorm interference. Working with audio filters to combat local interference with some success. 73 Bob

-----NEWS-----

**VANUATU. Unpaid Bills Force Vanuatu Into Radio Silence** By [Adam Boland](#) - June 14, 2016



Many of Vanuatu's remote islands are feeling even more isolated than normal with the country's national broadcaster again off the air.

The Vanuatu Broadcasting and Television Corporation (VBTC) had its power cut last week after failing to pay its bills.

Radio Vanuatu remained on air thanks to a diesel generator but that too came to an end yesterday with no word on what happens

now.

It's not the first time the VBTC has failed to pay its power bill. Its services were cut last year after racking up debt of VT12 million.

Earlier this year, Prime Minister Charlot Salwai terminated the corporation's board of directors after becoming fed up with service problems.

He wanted the corporation to prioritise radio over television and to ensure as much of the country as possible received reception. Radio is seen as crucial in times of national crises, such as cyclones, but the Vanuatu service suffers from significant coverage gaps.

The latest blackout means the opening of parliament wasn't able to be televised and football fans are missing out on Euro Cup matches.

(UPDATE: Since this story was posted, services have resumed after VBTC reached agreement with power company UNELCO.)

<https://pasifik.news/radio-silence-in-vanuatu-after-unpaid-bill/>

(via info in DXLD)

## Log

(UTC)

2325	Jun18	2115	ABC Tennant Creek very weak but audible at this late hour this time of the year. (JOE)
2485	Jun18	1010	VL8K Katherine NT, threshold with yl and om in English. first time in several weeks with - 2325 Australia VL8T Tennant Creek NT only a carrier. (Wilkner)
3260	Jun6	1106	NBC Madang on June 6 was <b>not</b> heard at 0901 nor 1001, but was noted on the air by 1106; by 1212 was off the air; so Madang had a very abbreviated broadcast today. (Ron Howard, Pacific Grove, CA, USA)
3260	Jun16	1128	presumed R. Madang at S4 with some music (Glenn Hauser, OK)
3260	Jun8	1042	Radio Madang , presumed, heard in pidgin with om with talk poor signals only station listed here so presuming it is them. - (Trotto)
3289.95	Jun16	0832	GBC Voice of Guyana om chat, suspect preacher? with religious message. (Wilkner)
3310	Jun18	0830	Radio Mosoj Chaski, Cochabamba yl in Quechua, weak signal this local morning 16 June, 1008 yl speaking very rapidly in Q. (Wilkner)
3320.00	Jun16	2250	R Sonder Grense, Meyerton Afrikaans ann, orchestra music. (AP-DNK)
3325	Jun5	1219	NBC Bougainville. The third consecutive Sunday with a full edition of "Island Praise" syndicated (Florida, USA) show of pop Caribbean gospel music (reggae, soca, calypso, hip hop gospel, etc.); poor; very light QRM from RRI Palangkaraya. My local sunrise at 1249 UT. June 6, at 0930 clear "NBC Bougainville" ID; at 1101 station promo/ID in English with 3 or 4 mentions of "NBC Bougainville" and same promo/ID again at 1121; suddenly off 1202*, which was very different from yesterdays Stacy Rose's "Island Praise" Sunday show that I noted from 1219 to past 1255. June 6 with very decent Bougainville reception! (Ron Howard, Pacific Grove, CA, USA)
3325	Jun8	1048	Radio Bougainville in English with fair to good signals had local news and events. (Trotto)
3365	Jun6	0901	NBC Milne Bay first noted at 0901, with // NBC Bougainville, with the NBC news in English; still going after NBC Madang (3260) went off the air. Dave Valko was also listening to them today over on the east coast (Ron Howard, Pacific Grove, CA, USA)
3375.1	Jun18	1010	Radio Municipal São Gabriel da Cachoeira with om in PP with no music. (Wilkner)
3905	Jun5	1254	Pro 1 RRI Merauke, heard reciting from the Qur'an at 1254, but June 6 not heard during checks at 1023 + 1133. Has been on and off the air erratically recently (Ron Howard, Pacific Grove, CA, USA)
4055	Jun18	1010	Radio Verdad similar to interval signal, then chorale music at recheck 1028. (Wilkner)
4055	Jun18	0504	Radio Verdad, Chiquimula, English, religious comments and songs. 14321. (Méndez)
4747.8	Jun18	1004	Radio Huanta 2000 Huanta Ayacucho music under t-storm. (Wilkner)
4750.00	Jun6	0035	Voice of China, Hailar Chinese talk, // 4800 (QRM AIR Hyderabad) (AP-DNK)
4765.00	Jun7	*2259-	Tajik R 1, Yangiyul Sudden s/on with non-stop Tajik pop songs until short ann in Tajik by a female at 2327, followed by more songs. Very different from usual early morning programmes. Perhaps a kind of Ramadan programme ? (AP-DNK)
4765.00	Jun14	0240	R Progreso, La Habana, ann, Cuban music . (AP-DNK)
4774.9	Jun5	0111	Radio Tarma, Tarma, Peruvian songs, comments. (Méndez)
4774.914	Jun2	2233	R. Congonhas, Congonhas MG, noticiário nacional A Voz do Brasil; QRM do PRU, em 4774, 946. (Carlos Gonçalves)
4774.92	Jun18	2100	R Tarma very weak at unusual early time for Peruvian on "la isla bonita". (JOE)
4774.946	Jun2	2232	R. Tarma, Tarma, canções índias, QRM do B, em 4774,914. (Carlos Gonçalves)
4805	Jun2	2235	R. Dif. <sup>a</sup> do Amazonas, Manaus AM, QRM de CODAR e da CHN, esta em 4800. (Carlos Gonçalves)
4805	Jun18	2310	Radio Difusora do Amazonas, Manaus, noted weak signal, seems regular. (Wilkner)
4815	Jun3	2105	R. Dif. <sup>a</sup> , Londrina PR. Melhor sinal em 6/6, pelas 2115. (Carlos Gonçalves)
4835	Jun5	2134	VL8A, Alice Springs, Territ. <sup>o</sup> do Norte, noticiário, música, indicação do n. <sup>o</sup> de telef.. (Carlos Gonçalves)
4835.00	Jun8	2045	VL8A, Alice Springs, NT, talk, musical interlude, interview. (AP-DNK)

4835	Jun11	1830	VL8A, Alice Springs, NT news, comments. (Méndez)
4845	Jun2	2237	R. Cultura do Amazonas, Manaus AM, canções. (Carlos Gonçalves)
4845.00	Jun7	2250	R Cultura Ondas Tropicais, Manaus, AM. Talk. (AP-DNK)
4875.1	Jun2	2239	R. Roraima, Boa Vista RR, canções. (Carlos Gonçalves)
4875.1	Jun5	0112	Radiodifusora Roraima, Boavista, Brazilian songs. (Méndez)
4875.1	Jun19	1007	Rdif Roraima, Boa Vista RR om in PT, later into brief music at 1015 18 June, 0003 ** ARO in USB two chatting over Rdif Roraima. Thunderstorm cut short listening - 19 June (Wilkner)
4885	Jun6	2015	R. Club do Pará, Belém PA, 2015 (praticamente, a hora da emersão do sinal)-2120, anúncios comerciais, texto, ..., rubrica de futebol. (Carlos Gonçalves)
4885	Jun18	0503	Radio Clube do Pará, Belém, songs and comments. Very weak, barely audible. (Méndez)
4910	Jun4	2206	VL8T, Tennant Creek, Territ.º do Norte, texto. Melhor sinal em 5/6, pelas 2135. (Carlos Gonçalves)
4910	Jun16	-0830*	VL8T Tennant Creek, om with program items in English, brief music 0823, weak signal and off at 0830. (Wilkner)
4910.01	Jun9	2132	VL8T, Tennant Creek, NT, English news read by male and female. // 4835 and 5025 Katherine (utility QRM). (AP-DNK)
4915	Jun6	2115	R. Daqui, Goiânia GO, canções. (Carlos Gonçalves)
4925.22	Jun10	2335	R Educação Rural, Tefé, AM, ann, music. (AP-DNK)
4949.7	Jun3	1900	RNA-Canal "A", noticiário, até às 1925, seguindo-se-lhe uma rubrica de propag. govern. intitulada Angola: Caminha Seguro (pelo género da terminação, presumo referirem-se a "país", salvo se o ruído pregou uma partida, e é "segura"). (Carlos Gonçalves)
4949.7	Jun5	0435	Radio Nacional de Angola, Mulenvos, comments. (Méndez)
4949.74	Jun10	2325	R Nacional de Angola, Mulenvos Portuguese ann, music - very weak. (AP-DNK)
4950.00	Jun13	-2215*	R Kashmir, Srinagar Early morning Ramadan programme in Kashmiri (presumed), talk and orchestra music. Heterodyne from Angola on 4949.75 (AP-DNK)
4955	Jun4	2209	R. Cultural Amauta, Huanta, texto - sinal que contrasta c/ o que é habitual, mesmo à hora indicada. (Carlos Gonçalves)
4965	Jun4	2212	R. Alvorada, Parintins AM, canções, texto. (Carlos Gonçalves)
4985	Jun3	2102	R. R. Brasil Central, Goiânia GO, rubrica de futebol. Melhor sinal em 6/6, às 2115. (Carlos Gonçalves)
4985.49	Jun7	2330	R Voz Cristiana, Chilca (presumed), talk. (AP-DNK)
4990	Jun16	0830	Radio Apintie, Paramaribo, Dutch om fading in at times, marginal signal. (Wilkner)
5005	Jun11	0445	Radio Nacional, Bata, songs, very weak, barely audible, best on LSB. (Méndez)
5010.00	Jun6	0050	AIR Thiruvananthapuram Malayalam ann, Indian songs. All other Indian 60 mb stations had faded out (AP-DNK)
5020	Jun16	1129	SIBC presumed at S8 with some talk and music, ACI de 5025 Cuba (Glenn Hauser, OK)
5025	Jun5	2135	VL8K, Katherine, Territ.º do Norte, noticiário, desporto. (Carlos Gonçalves)
5025.00	Jun14	0230	R Rebelde, Bauta, ann, Cuban songs. CWQRM (AP-DNK)
5035	Jun2	2241	R. Aparecida, Aparecida SP, noticiário nacional A Voz do Brasil. (Carlos Gonçalves)
5066.4	Jun3	1835	R. Télé Candip, Bunia, texto. (Carlos Gonçalves)
5066.4	Jun4	1912	Radio Tele Candip, Buia, Vernacular comments. (Méndez)
5905	Jun19	0610	Deutsche Wetterdienst, Pinneberg with weather report for Germany's coastal waters. (CB)
5910	Jun18	1015	Alcaraván Radio, Puerto Lleras, om in slow Spanish, mets de el Senor J C. (Wilkner)
5910	Jun18	0502	Alcaraván Radio, Puerto Lleras, Latin American songs, Spanish, religious comments, identification: "Alcaravan Radio". 14321. (Méndez)
5910.06	Jun11	0005	Alcaraván R, Puerto Lleras. Spanish ann, Colombian songs. (AP-DNK)
5915	Jun5	2124	ZNBC-Radio 1, Lusaka, dialecto local, texto, chamadas de ouvintes. (Carlos Gonçalves)
5920	Jun14	2000	Die Andenstimme via Weenermor on a new frequency. 2-3 (CB)
5939.9	Jun2	2207	R. Voz Missionária, Camboriú SC, noticiário nac. A Voz do Brasil. (Carlos Gonçalves)
5950	Jun5	1806	Voz da Revolução do Tigrê, Geja Dera (ou Geja Jawe?), dialecto local, texto, música do Corno de África. (Carlos Gonçalves)
5950	Jun18	1802	Voice of Tigray Revolution, Addis Ababa, East African songs, Vernacular. (Méndez)
5952.4	Jun5	0106	Radio Pio XII, Siglo XX, Quechua, comments. (Méndez)
5952.5	Jun2	2209	R. Pío XII, Siglo XX, discussão acerca de política nacional. (Carlos Gonçalves)
5975.00	Jun15	2220	Voice of Vietnam, Son Tay Vietnamese talk, splashes from 5990 (AP-DNK)
5980	Jun2	2212	R. Chaski, Cuzco, castelhano, anúncios comerciais, canções. (Carlos Gonçalves)
5990.00	Jun15	2235	Qinghai PBS, Xining 2235 orchestral music, 2250 opening programme as scheduled with news read by man and woman 2300 fade out. // 9850 (AP-DNK)
5995	Jun4	*0559-	Radio Mali, Bamako, tuning music, identification and comments in French. (Méndez)
5995.00	Jun17	-0002*	R Mali, Bamako Vernacular talk, 2359 hymn, FF ann, 0001 Nat. Anthem. (AP-DNK)
6005	Jun15	1905	Radio 700 with "Radio 700 Schlager". 3 (CB)
6010	Jun3	2108	R. Inconfidência, Belo Horizonte MG, prgr. A Hora do Fazendeiro. Inaudível em // 15190. (Carlos Gonçalves)

6024.95	Jun6	0056	Very poor carrier in splash from 6030 jamming and Martí. I often detect this and can't hear any audio, but think it must be Red Patria Nueva, as others have reported it off-frequency-low, e.g. 6024.96 by Dave Valko in March, in the morning. Wolfgang Büschel had an unID on 6024.981 May 28, despite Pedro F Arrunátegui reporting it on 6025.00, presumably unjustified precision by default (Glenn Hauser, OK)
6030	Jun18	1905	Radio Oromiya, Addis Ababa, East African songs and Vernacular comments. (Méndez)
6040.4	Jun2	2215	R. B2, Curitiba PR, A Voz do Brasil, QRM adjacente. (Carlos Gonçalves)
6050	Jun18	0533	ELWA Radio, Monrovia, English, religious comments. (Méndez)
6060.00	Jun16	2305	Sichuan PBS-2, Chengdu Tibetan (presumed) talk (news ?) by man and woman. // 7225 (QRM from 7230) (AP-DNK)
6070	Jun14	1900	Channel 292 with From the Isle of Music (Cuban music). 3 (CB)
6070	Jun16	0835	CFRX Toronto yl with commercial message. (Wilkner)
6080	Jun2	2220	R. Marumby, Curitiba PR, A Voz do Brasil, QRM adjacente. (Carlos Gonçalves)
6080.02	Jun16	2315	Voice of China, Golmud Chinese talk. // 4800 (AP-DNK)
6090	Jun3	2112	R. Bandeirantes, São Paulo SP, texto, QRM da NIG. (Carlos Gonçalves)
6090	Jun5	1811	Voz do Estado de Amhara, Geja Jawe, dialecto local, canções, texto. (Carlos Gonçalves)
6110	Jun5	1809	R. Fana, Geja Dera (ou Geja Jawe?), dialecto local, radioteatro (p). (Carlos Gonçalves)
6110	Jun18	1849	Radio Fana, Addis Ababa, East African songs, Vernacular comments. (Méndez)
6134.8	Jun5	0109	Radio Santa Cruz, Santa Cruz de la Sierra, comments, identification: "Por Santa Cruz, noticias, entretenimiento", "Santa Cruz, la radio". (Méndez)
6134.85	Jun18	1017	Radio Santa Cruz ments de Cuba by om followed by ID at 1030, good signal. (Wilkner)
6135	Jun3	2115	R. Aparecida, Aparecida SP, prgr. musical, QRM da CHN. (Carlos Gonçalves)
6135.00	Jun6	0100	R Aparecida, Aparecida, SP Portuguese with several ID's, hymn, religious prayer - back on correct frequency . (AP-DNK)
6150	Jun18	0609	Europa 24, Dattlen, pop music, German, comments, identification: "Europa 24". Heard after Radio Austria close on 6155 at 0609. 24322. (Méndez)
6135.18	Jun18	2300	Radio Aparecida, Aparecida, SP, very weak in PT with Radio Santa Cruz noted in lsb narrow filter same time. (Wilkner)
6135.21	Jun17	2345	R Aparecida, Aparecida, SP Portuguese talk, Brazilian song. (AP-DNK)
6180.00	Jun7	2235	Nacional da Amazônia, Brasília, DF, talk by two men about the parliamentary problem in Brazil. QRM 6175 CRI in Portuguese. (AP-DNK)
6180	Jun11	0453	Radio Nacional da Amazonia, Brasília, Brazilian songs, identification: "Radio Nacional da Amazonia". (Méndez)
6185	Jun18	-0504*	Radio Educación, Ciudad de Mexico, songs, Spanish, comments, identification: "Radio Educación". (Méndez)
6190	Jun18	0620	Hamburger Lokal Radio, Gohren, English, comments, at 0630 Glenn Hauser's program "World of Radio". Very weak, barely audible. (Méndez)
6205	Jun3	0924	Coast FM (estação canária) via estação pir. da Grã-Bretanha ou do Éire, inglês, música pop', texto. (Carlos Gonçalves)
6260	Jun3	2123	R. Focus Int'l_G, música pop'. (Carlos Gonçalves)
6267	Jun4	2153	R. Mustang_HOL, holandês, texto, música folclórica holandesa, música pop'. (Carlos Gonçalves)
6279.9	Jun5	2120	R. Batavier_HOL, música pop'. (Carlos Gonçalves)
6284.8	Jun3	2126	R. Focus Int'l_G, música pop'. (Carlos Gonçalves)
6290.5	Jun3	2259	R. Desperado_HOL, música pop'. (Carlos Gonçalves)
6305		2130	R. Python (p)_HOL, inglês, canções holandesas, texto, música pop'. (Carlos Gonçalves)
6305	Jun4	2225	R. Montferland_HOL, música pop'. (Carlos Gonçalves)
6300.9	Jun3	2128	R. Desperado (p)_HOL, canções. (Carlos Gonçalves)
6320	Jun4	2221	R. Northern Ireland (p)_G, música ligeira. (Carlos Gonçalves)
6600	Jun8	1130	Voice of the People, South Korea Presumed here in Korean at 1130 very weak could make out om with some sort of talk. (Trotto)
7120.00	Jun14	2030	R Hargeisa, Hargeisa, Somaliland Somali drama - extended broadcast maybe due to Ramadan. (AP-DNK)
7230.01	Jun14	2335	Xinjiang PBS, Urumqi Mongolian talk and music, mentioned Xinjiang twice. (AP-DNK)
7254.944	Jun16	0620	VON Hausa is S9+10 but undermodulated; at least on the air this time, as frequently AWOL (Glenn Hauser, OK)
7255	Jun18	0601	Voice of Nigeria, Ikorodu, Hausa, comments. Also *0559-0609, Jun19, tuning music, Hausa, mentioned "Nigeria", comments. (Méndez)
7260.01	Jun14	2345	Xinjiang PBS, Urumqi Chinese talk. // 5960. (AP-DNK)
7410	Jun5	1151	FEBC. IS mixing with CRI, till China went off at 1157*; 1200 "FEBC" ID; assume into listed Cambodian; after 1157 almost fair (Ron Howard, Pacific Grove, CA, USA)
9510	Jun18	-0900*	Radio City via Kostinbrod, pop music, comments, English, identification: "Radio City, the station of the cars", "IRRS, Milano Italy signing off.". (Méndez)
9515	Jun2	2202	R. Marumby, Curitiba PR, noticiário nacional A Voz do Brasil. (Carlos Gonçalves)

9545	Jun8	0536	SIBC is on late again after nominal 0500*, talk at S4-S5, still at 0602 but music on this hourtop rather than news as at 0700 (Glenn Hauser, OK)
9550			R. Boa Vontade, Pt.º Alegre RS: sinal inaudível (tx fora do ar?). (Carlos Gonçalves)
9565	Jun5	2125	SRDA, Curitiba PR, propag. relig., anúncios de programação, QRM do sinal de empastamento cubano p/ a R.Martí, dos EUA. (Carlos Gonçalves)
9585v			SRDA, São Paulo SP: tx fora do ar. (Carlos Gonçalves)
9625.9	Jun6	1426	Voz da Indonésia, Cimanggis, indonésio, texto, música. (Carlos Gonçalves)
9630			R. Aparecida, Aparecida SP: tx fora do ar. (Carlos Gonçalves)
9635	Jun4	1716	Radio Mali, Bamako, Vernacular comments. (Méndez)
9635	Jun3	1237	R. Mali, Kati, dialecto local, canções e música tribais, texto, modulação débil, em geral, embora variável, entre o quase inaudível e o aproximado do razoável. (Carlos Gonçalves)
9635	Jun18	-1800*	Radio Mali, Bamako, Vernacular and French, comments. (Méndez)
9635.8	Jun7	0926	R. Voz do Vietnam, Son Tay, texto. (Carlos Gonçalves)
9665	Jun2	2203	R. Voz Missionária, Camboriú SC, A Voz do Brasil. (Carlos Gonçalves)
9724.9	Jun2	2204	R. B2, Curitiba PR, noticiário nacional A Voz do Brasil. (Carlos Gonçalves)
9724.9	Jun5	0524	Radio RB2, Curitiba, religious songs and comments, Portuguese. (Méndez)
9819.2	Jun2	2205	R. 9 de Julho, São Paulo SP, noticiário nacional A Voz do Brasil, QRM adj., da CHN, em 9820. (Carlos Gonçalves)
9819.2	Jun11	2035	Radio 9 de Julho, Sao Paulo, religious comments. (Méndez)
9835	Jun7	0928	Sarawak FM via RTM, Kanjang, canções, texto, noticiário das 1100. (Carlos Gonçalves)
9835	Jun11	1413	Sarawak FM (via RTM-Kajang). Programme of Qur'an recitations, one speaker with a chorus-background on some suras (1st time I've heard that..nice), Sarawak FM singing jingle @ :58, guitar fill to TOH 1+1 pips/TC into "berita..Radio Nasional RTM". Also 1417-1458 12 June with similar format & more "chorus" [sounds almost like street-corner doo-wop]. (Dan Sheedy)
9920	Jun11	1425	CNR1 (jammer). You can't have too much CNR1, ya? Echo jamming this morning v. VOA in TB. (Dan Sheedy)
11430	Jun11	1417	VoH (P). Poor with CH chat, occ. music & //11470 (better), 11530 (poor, but clear--unlike @ 1334 9 June when CNR1 jammer was all over them). (Dan Sheedy)
11580	Jun18	*2030-	Hobart Radio International via WRMI, Okeechobee, English, identification, "This is The Voice of Tasmania, Hobart Radio International", very nice program of short wave stations interval signals, part 2, interval signals of Channel Africa, Radio Australia, HCJB, Voice of Turkey, Radio Nederland, Radio New Zealand, Radio Habana Cuba, Radio Korea, Swiss Radio and others . 14321. (Méndez)
11645	Jun13	*0427-	R. Dabanga (Santa Maria di Galeria). Caught the mid-jingle 0427 s/off of Tamazuj (Talata-Volonondry)-11650 with 11645 Dabanga opening with the end of the jingle, Sudanese fill music (flutes/percussion--quite nice) & apparent Dabanga opening @ BOH ("usual" RD jingle/ID @ 0434) but very difficult copy as the SMG signal was rather poor in comparison to Talata-Volonondry's..according to Ivo's info in DXLD16-23, Dabanga's switch to 11645 started on 7 June. (Dan Sheedy)
11665	Jun9	1310	Wai FM/Limbang FM (via RTM-Kajang). Got up early enough to catch the Wai/Limbang switch today..Wai/Limbang DJs saying hi as they switch programming ["hallo Limbang---hallo Wai.."], very nice Limbang FM singing jingle & "Radio Malaysia--Limbang FM" tag with echo, ML pop with DJ chat (sounds like he back-announces the songs). (Dan Sheedy)
11735	Jun3	1902	R. Transmundial, St.ª M.ª RS, identif. completa e indicação das freqs., ao que seguiu um prgr. de propag. relig. intitulado Através da Bíblia; QRM da TZA. (Carlos Gonçalves)
11735	Jun18	1007	Radio Transmundial, Santa María, Portuguese, religious comments. (Méndez)
11765	Jun18	2135	Super Rádio Deus é Amor now back on the air after an absence of several days. 2-3 (CB)
11780	Jun11	2037	Radio Nacional da Amazonia, Brasilia, Brazilian songs. (Méndez)
11815			R. Brasil Central, Goiânia: tx fora do ar. A freq. costuma estar espartilhada entre estações de líng. árabe, c/ longos e enjoativos períodos dedicados às rezas... (Carlos Gonçalves)
11854.9	Jun7	2128	R. Aparecida, Aparecida SP, 2128-2146, 06/7, prgr. musical. QRM adjacente. (Carlos Gonçalves)
11925.2			R. Bandeirantes, São Paulo SP, prgr. Concentração, anúncios comerciais, QRM adj., da ARS. (Carlos Gonçalves)
11925.2	Jun11	1959	Radio Bandeirantes, Sao Paulo, comments. (Méndez)
11934.7	Jun3	2132	R. B2, Curitiba PR, retransm. da R.Aparecida, c/ prgr. musical, QRM adjacente. (Carlos Gonçalves)
11955	Jun14	1332	CRI (Kunming-Anning). Bahasa Indonesia programme with items about the ASEAN/China Environmental Cooperation Action Plan (seminar held in Kunming 14-15 June), world news, "China Radio Internacional" IDs @ :26, :37, :42 & BI/CC language lesson @ :46 ("hari hari" (everyday) phrases), CRI web/e-mail addresses. (Dan Sheedy)
15190			R. Inconfidência, Belo Horizonte MG: tx fora do ar? (Carlos Gonçalves)

15190.1 Jun18 1940 Radio Inconfidencia, Belo Horizonte, Portuguese, comments. 14321. (Méndez)  
 15345a Jun13 1403 RAE (presumed). News & chat about Copa America (highlights of games + speculation)..poor to awful signal but cheered to hear them at all (apparently off/not propagating @ 1400+ check on 14 June). (Dan Sheedy)  
 17815 Jun6 1555 WHRI. Tuned into "Prayer Line" 800 #, quick mention of SP sked, ID/EG sked to TOH then "Midnight Cry Ministries", which is sked 1600-1615 M-F according to <http://www.midnightcry.org/broadcasts> but not found on WHRI sked when I checked on 6 June (it's been added since) & still not listed in Aoki/EiB (Dan Sheedy)

**Thanks Bell at Simonstown, Republic of South Africa for new SDR remote unit access.**

4749.992 UNIDentified, ? could it be R Dunamis Uganda ?, at 1620 UT June 5, S=4 threshold -105dBm  
 4760.0 SWZ TWR Manzini Mpangela Ranch, powerful S=9 -72dBm  
 4819.941 KGZ Kirgiz Radio Bishkek, from Krasnaya Rechka bcst site S=7 or -86dBm at 1624 UT on June 5.  
 4930.0 BOT VoA English POWERHOUSE S=9+30dB, !24kHz! wideband  
 4949.729 AGL R Nac\_1 Mulenvos, S=5 or -94dBm at 1618 UT June 5  
 4970.016 IND AIR Shillong, Hindi subcontinental px, S=6-7, -88dBm 5005even GNE R Nac Guinea Bata, tiny S=4 -105dBm, 1628 UT June 5  
 5010.007 IND AIR Thiruvananthapuram, Muttathura, Kerala. Hindi sce, and co-channel QRM disturbed of 500 Hertz heterodyne against co-channel signal of 5010.515 MDG Malagasy R  
 5010.515 MDG Malagasy R UNSTABLE! as usual hopping +/-20 Hertz, S=6 or -92dBm signal strength.  
 5040.003 IND AIR Jeypore, Odisha, S=5 poor, -96dBm, 1632 UT.  
 5066.390 COD Radio Candip, Bunia, S=5 or -94dBm, 1635 UT June 5.

**Brisbane SDR remote unit at 0423 UT June 7**

7259.957 Listen to recording of Brisbane SDR remote unit at 0423 UT June 7. R Vanuatu in English, S=7 or -82dBm signal, talk by two female on interview about project activity at 0404 UT, little later after music played, two male voices talk about "Focus on the family", listeners survey, frustrating situation on kids lectures on painting advice ... There was also an annoying whistle tone on the channel, at 7261.733 kHz like a NDB ID tone, but could be NOTCHED OUT by the Perseus software on upper flank.

*Wolfy, Excellent R. Vanuatu recording! Here in California I only get an open carrier on 7260. No audio there for a long time now. On weekends get a slight open carrier on 3944.2, but that carrier is much weaker than what I have on 7260. Will take outstanding propagation for me to hear them. (Ron Howard)  
 (73 wb df5sx)*

**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, San Francisco at Ocean Beach, CA, USA Robert Wilkner, Pompano Beach, USA Carlos Gonçalves, Lissabon, Portugal	CB, Christer Brunström, Halmstad, Sweden Ron Trotto, Waggoner, Illinois Dan Sheedy, Moonlight Beach, CA Manuel Méndez, Lugo, Spain AP-DNK Anker Petersen, Skovlunde, Denmark JOE, John Ekwall, Ronneby, Sweden
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**Station news**

**AUSTRALIA.**

According to Unique Radio's website (<http://www.uniqueradio.info/>) the station "is currently relocating to another transmission site and waiting for approval from ACMA.

The existing transmission site at Halls Creek has been a challenge and the decision was made to cease transmission from there due to poor reception in much of the area and beyond.

Until the new approval from ACMA we will continue online as usual."

(Manfred R.Reiff QSL from Unique Radio Halls Creek Australia)

(73, Manfred Reiff via DXLD)



## Other radio news

### CHASQUI DX PFA – JUNIO 2016

CQ, CQ, CQ... Aquí Pedro F. Arrunátegui para compartir algo con los que disfrutan y aman el DX latinoamericano, todas las horas son UTC, desde la tierra de los incas, les informo mediante este Quipus lo siguiente:

- 4747.06 PERÚ, R. Huanta 2000, Huanta, Ayacucho; 20/05 2328-0005 44444** news advs Cooperativa de Crédito Juan Paulo II El mejor regalo esta en Hiraoka, ID "Por Radio Huanta 2000 y Tele 2000" px Sin Frontera Colocar news.
- 4774.940 PERÚ, R. Tarma., Tarma, Junín, 8/06 2335-0002 44444** px Antena Deportiva de Tarma news ID "Por Radio Tarma"
- 4824.550 PERÚ, R. La Voz de la Selva, Iquitos; 28/05 1108-1120 22222** apenas audible.. (Después de tiempo les escucho..) Por la forma de hablar deduzco que es gente de la selva. **Ahora en 4824.550** es necesario usar los audífonos para escucharlos mejor, se perdió la señal. **TAMBIEN. 2/06 1055-1120 11111** apenas audible por momentos ingresa muy débil la. **2/06 2305-2325** Apenas audible.
- 4865.000 BRASIL, R. Verdes Florestas, Acre; 24/05 1105-1140 33333** News sobre vehículos robados en Bolivia y vendidos en Brasil px Panorama Mundial vía Satélite desde Acre
- 4955.000 PERÚ, R. Cultural Amauta, Huanta, Ayacucho; 9/06 2335-0000 44444** px en quechua news actividades en la zona advs Iglesia Presbiteriana Nuevo Belén en su fiesta espiritual advs bilingües Cooperativa Bella Esmeralda
- 4985.500 PERÚ, R. Voz Cristina, Chilca, Huancayo, Junín; 11/06 2328-2350 33333** px religioso y mxf con temas religioso.
- 5024.920 PERÚ, R. Quillabamba, Quillabamba, Cusco; 24/05 1145-1215 44444** news varias sobre Quillabamba y la próxima elección presidencial px Panorama Perú.
- 5910.060 COLOMBIA, Alcaraván Radio. Puerto Lleras; 26/05 2340-0010 33333** px religioso luego mx tropical ID "Somos Alcaraván Radio".
- 5952.450 BOLIVIA, R. Pio XII, Siglo XX; 21/05 2225-2240 33333** mx Vuela Palomita px en Quechua
- 5980.000 PERÚ, R. Chaski, Urubamba, Cusco; 8/06 0010-0030 44444** px religioso La biblia. Siguen indicando en // con Radio Integridad de Lima.
- 6050.000 ECUADOR, R. HCJB, Quito; 13/05 0010-0025 44444** px religioso en dialecto étnico.
- 6134.864 BOLIVIA, R. Santa Cruz, Santa Cruz; 21/05 2200-2220 33333** advs ID "Tu eres Santa Cruz" advs servicio de impuestos nacionales.. No al contrabando **NOTA:** fuerte zumbido, mejor lo escucho en LSB ID "Santa Cruz esta donde tú lo necesitas" advs **Nuevo ID** escuchar grabación adjunta px producción nacional mxf
- 6174.040 PERÚ, R. Tawantinsuyo, Cusco; 13/06 2250-2320 44444** advs Gobierno Regional del Cusco ID Por Radio Tawantinsuyo" px news
- 6180.000 BRASIL, R. Nacional da Amazonia, Brasilia; 6/06 0015-0035 33333** news y mx varias ID "Radio Nacional Amazonia" mx
- 9819.310 BRASIL, R. Nove de Julho, San Paulo, SP; 21/05 2140- 2155 22222** news (apenas audible, a pesar que trato de escucharlo en SSB, verifíco frecuencia 9819.310)



**NOTA:** En este ciclo se ha presentado bastante ruido y dificultad para escuchar las estaciones. Para un mejor escucha de las grabaciones que adjunto, sugiero escuchar con los audífonos.

La recepción la he efectuado del 13/05 al 13/06, en compañía de mis sabuesos Icom IC R72 + ELAD FDM-S1 + Splitter ASA 4 x 2 + Mizuho KX-3 + MFJ-1025 y una antena de hilo largo de 12 metros + antena auxiliar + una Mini Whip (Muchos 218's, PFA)

*Pedro, thanks a lot for this report! /TN*

### Neue Suchfunktion

**Hallo zusammen, bei radio-portal** und sdr-portal habe ich "Android" als neue Kategorie berücksichtigt. Es ist somit leichter, DX-bezogene Apps zu finden - hierbei liegt der Schwerpunkt auf Software, die außerhalb des Google Stores zu finden ist. Bei Suchen bin ich auf eine komfortable Alternative zu einem Webradio gestoßen: RadioDroid, unter GPLv3 verfügbarer Android Browser für Webstreams (mp3, aac, ogg):

<<https://f-droid.org/repository/browse/?fdfilter=radiodroid&fdid=net.programmierecke.radiodroid2>>

Die Datenbank wird von einer Community gepflegt: <http://www.radio-browser.info/gui/> ... über die Suchoptionen oben auf dieser Seite ist auch mit PC ein direkter Zugriff auf die Streams möglich.

<http://www.radio-portal.org/sdr.de.html> SDR-Spezial, <http://www.sdr-portal.de/index.de.html> SDR-Portal, mobile Version.

(vy 73, Willi Passmann, via A-DX)

## Windows 10 driver issues

**Hello all, the following** might be useful for PERSEUS users as well.

Due to the nice sporadic E propagation on 10M, I liked to use my AIRSPY SDR, which has given excellent results on this band in the past. The computer at my listening post has been upgraded to Windows 10 Professional 64 bit lately and I run into severe problems trying to use the AIRSPY.

At first it would not run, due to a wrong driver. After installing the correct driver, the AIRSPY showed up correct installed in Device Manager. However, starting the SDR# software, a message appeared that Windows was unable to open the Airspy. After which it appeared in Device Manager as un-known USB device. This is odd behaviour, to say the least.

I tried different USB ports, un-installing and re-installing the drivers and nothing helped. I tried it on a 32 bit computer under Windows 10 Professional and the AIRSPY worked flawlessly.

Leif Asbrink, SM5BSZ has posted a video about Windows 10, which has proved to be very helpful:

[https://www.youtube.com/watch?v=bsh\\_hU6ARDc](https://www.youtube.com/watch?v=bsh_hU6ARDc)

He found that Windows 10 never forgets the driver that is used with a particular executive. So once a program is started in Windows 10 with the wrong driver, the two are linked for ever. Every time the program is started, the wrong driver is used by Windows 10, irrespective of the actual driver installed for the device.

In linrad the problem was solved by changing the name of linrad.exe in linrad1.exe. He also mentioned that moving the software to a different folder could help.

I changed the name of SDRsharp.exe in SDRsharp1.exe and the program would not run any more. So this did not work.

The next step was to delete the SDR# folder and create a new one. This worked and the AIRSPY is now running flawlessly.

This workaround might be useful for other applications running under Windows 10 with apparently unsolvable driver issues.

Best regards,

(Roelof Bakker, pa0rdt via Pereseus\_SDR)

## VeteranLjuddagen 2016

*Hörby Radioförening inbjuder till en dag på temat nostalgiska ljud lördagen den 3:e september 2016*

**VeteranLjuddagen arrangeras i år** den 3:e september klockan 10.00-15.00 i Hörby Radioföreningens utställningslokal vid Kulturhuset i Östra Sallerups, Hörby. [www.kulturhusetosallerup.se](http://www.kulturhusetosallerup.se)

Program enligt följande:

- 10.00 Visning av Hörby Radioförenings utställning med bland annat material från den nu nerlagda Radiostationen i Hörby.
- 11.00 Gemytlig samvaro med möjlighet att köpa fika. Korvgrillning i parken. Visning av medhavda och utställda "klenoder". Alla är välkomna att ta med och visa upp objekt.
- 12.45 Draging lotteri.
- 13.00 Auktion på dubletter från föreningens samlingar samt på objekt inlämnade av besökarna.

Vi har bytesstund hela dagen. Har du ljudprylar, t.ex. radio, grammofon, bandspelare, telefoni, telegrafi, amatörradio och närbesläktat som du vill bli av med är du välkomna att byta och sälja. Vi ordnar detta direkt från bilens backlucka. En nyhet för året är att det går att boka en "regnsäker" försäljningsyta i ett av tälten.

Kontakta Bengt Almquist på: [bengt@telefonstationen.com](mailto:bengt@telefonstationen.com) om du har frågor. Ingen anmälan behövs. Besök [www.veteranljuddagen.se](http://www.veteranljuddagen.se) för mer information om tältbokning, klenodutställning, inlämning av auktionsgods, försäljning av radiorör och mycket annat!

Hörby Mellanvåg på 1179 kHz kommer att sända radioprogram mellan de 28/8 och 10/9 2016

Du hälsas hjärtligt välkommen till en trevlig dag med många nostalgiska ljudupplevelser!

( <http://www.esr.se/index.php/esr-nyheterna/1228-veteranljuddagen-2017> )

## "Broadcasting in Russian" Handbook

**20th edition of the "Broadcasting in Russian" Handbook**, published by St. Petersburg DX Club, has been recently released. The handbook features all radio stations transmitting Russian language broadcasts in all AM bands (including long and medium waves) at present, both from Russia and abroad. Station listings include frequency and programme schedules, transmitter location and power, target areas, postal addresses, phone/fax numbers, Web sites, social network pages, e-mail addresses as well as QSL policy info. The schedules are generally valid until 29 October 2016 (i.e. during A16 broadcasting season).

The Handbook is in Russian and distributed as a hard copy only. Volume is 68 pages of A5 size. Please address your



purchase requests and questions to St. Petersburg DX Club: Alexander Beryozkin, P.O.Box 463, St. Petersburg, 190000, Russia or by e-mail: dxspb[at]nrec.spb.ru.

The price is 5 EUR or 6 USD (including delivery by registered mail). PayPal and Skrill money transfers are accepted. Your comments and suggestions regarding the handbook contents are always welcome.

Alexander Beryozkin (12/6-2016)

( <http://mediumwave.info/news.html> & Miike Terry via DXLD)

### **When an electric radiator started to act as a transmitter of broadband noise.**

**From beginning of June** I have been plagued with a broadband noise from about 1200 kHz to 7000 kHz. As often is the case it started all of a sudden. The level is S4-S5, enough to mask the weak signals on MW and the tropical bands.

I have tried to figure out from where this noise comes. Our neighbor just bought two Home plugs for data transfer from a solar panel plant that will be erected in late July. But those had nothing to do with the noise.

So again I asked Stefan Wikander for some advice and sent a few recordings incl two recordings from 2014 when I also had about the same problem. He says:

*It is quite clear for all recordings that 100 Hz is the dominant frequency. For 1020 kHz (from 2014) it is 200 Hz which is the strongest.*

*Either a high voltage discharge to ground on one phase. Not sure if it is from the large high voltage power lines, but can be 10-40 kV. Can still be a good distance away.*

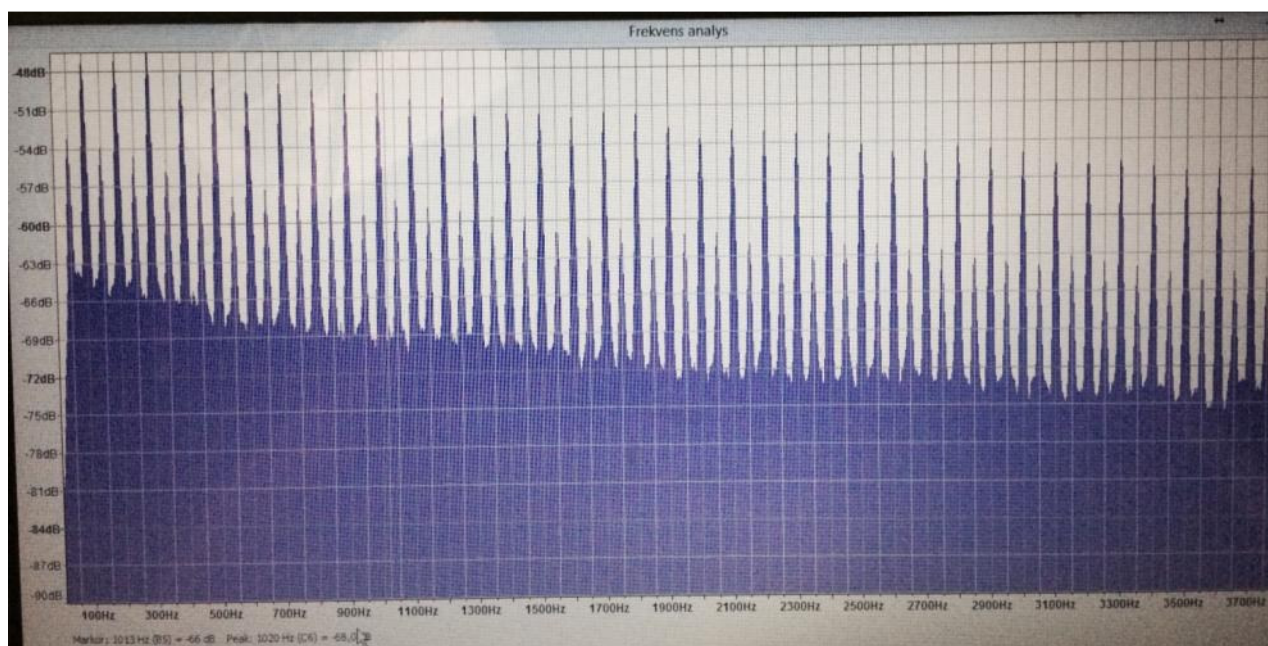
*What points at that is occurrence of shorter breaks. Often such a flash-over begins with with short periods of noise which becomes longer and longer. Eventually it becomes continuous.*

*When it ends, it is the opposite . It starts with short interruptions that gets longer and longer.*

*It could also be a rectifier. What points in that direction is mainly because it is so strong on higher frequencies. Then it could be on the low voltage probably not that far away and could be located with a transistor radio. If you come close enough it should be heard strongly on medium wave on a transistor radio near a line.*

*Even if the wire is buried, it should be heard if you go over the line if you are near the source of interference.*

*I do not know if you got something more out of this. It is not easy with disturbances, finding them or get them fixed.*



The obvious fact was to start at our own house and I took a walk first outside and then inside the house with a small transistor radio. It seemed that the whole house was acting like a transmitting antenna of the noise and near the power lines the noise was terrible.

Finally I found out that the root was in our own house. The noise was very powerful at the fuse panel for the radiators so I started with switching off the mains supply for those. I was a bit astonished that the noise disappeared at once and came back immediately when the mains supply were switched on again.

I remembered that a month ago when the real hot summer started I switched off two electrical radiators at our balcony.

So the problem seemed to be in one of the heater elements. One of the radiators there was repaired some 20 years ago and the bi-metallic thermostate was substituted with an electronic device. As soon as the radiator was switched on the noise was gone.

The cause for generating the broadband noise must be that the electronic thermostate draws some standby current for a Triac or a diode of some kind.

So I had great luck that the root was in our own house. I had never thought that a switched off radiator could produce a noise like this!

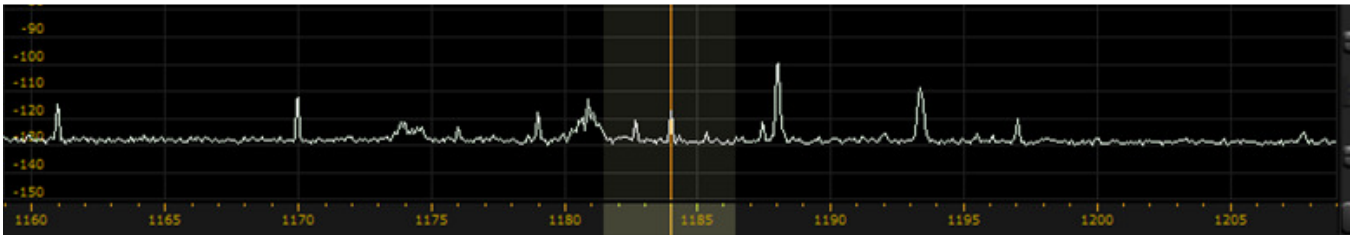
Here is an example of the noise recorded at 2000 kHz. <http://www.thomasn.sverige.net/Broadband-Noise-2000-khz-2016-06-11.mp3>

(Thomas Nilsson with help from Stefan Wikander)

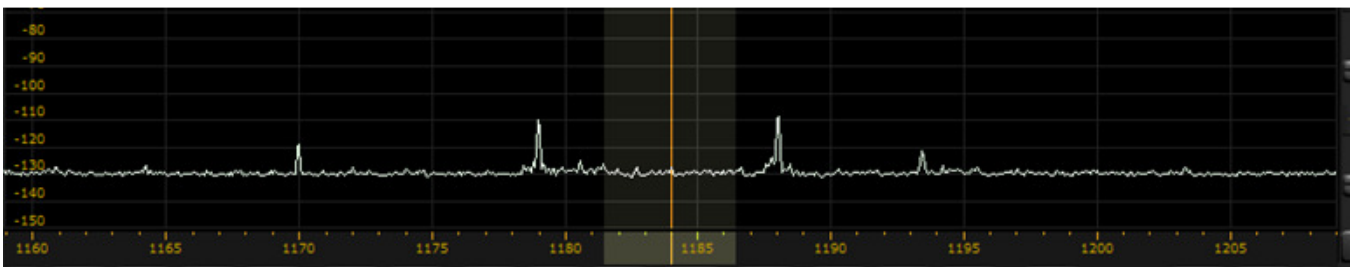
## Interference from the USB cable connecting my computer with Perseus

**During the past year** I have experienced interference from my computer become increasingly troublesome on many frequencies when tuning around Perseus. The interference is also present on my NRD-525 as it is connected to the same antenna switch. I mentioned this in an email to Stefan Wikander and he returned quickly with a few simple hints. (See below).

The picture below shows how it looked like on MW at a center frequency of 1184 kHz before any attempts to reduce the interference. As you can see there are too many unwanted peaks of various kind. Those signals partially mask the wanted signals.



The picture below shows the improvement after some simple measures. It may look that the difference is minor, but in practice it is a big difference when most of the strange tones basically disappeared. This picture is taken 10 minutes after the top one.



Well, you may wonder what steps produced this difference?

One of the Swedish MW DX-ers, Stefan Wikander, has a lot of experience in antenna construction and in reducing RFI. I asked him in a mail if he had some hints how to get rid of the interference. He suggested to start with wrapping the USB cable on a toroidal core type 3E25 which has a high permeability. I had a few toroidal cores in my junk box but not that type so a bunch were ordered from Elfa (part: TX/36/23/15-3E25). Delivery came within 3 days from Holland .

*Stefan Wikander says: This is a picture of my USB choke. It is not a 3E25 core but an equal one. My USB cable is of a thin type without any ferrite beads. There are 20 turns wound on it. With this USB choke and two similar chokes on the antenna coaxial cable there are nothing from the house going through the coax out to the antenna.*

*The only thing I hear is our plasma TV and it almost impossible to remove the generated noise. The antenna takes up the disturbance through the air. The noise is strongest around 1200 kHz.*

*You get the best interference reduction if you use two toroids in series wound with about 20 turns of RG174 on each toroid (= about 3 mH, see picture to the left).*



*Do not wind a second layer, it will increase the capacitance between windings and attenuation will decrease at higher frequencies*

*If the toroids makes no difference, you can count on that the interference you get comes directly to the antenna as a radio signal. Then you have to find the offending sources.*



I can see on the above pictures that much interference is removed by the toroid on the USB cable. It looks really fine now.

Have you tried to turn on the TV, any other possible sources of interference and checked how it looks?

I must have at least one choke on the antenna coax to get rid of the noise. We have bedside reading lights with halogen lamps with associated converters that generate incredible amounts of noise. A mains supply filter does not help but a toroidal choke remove everything.

Having the radio equipment including the computer connected to a grounded outlet can often do the trick. I have no 220 V grounded sockets, but have pulled a cable from one of elements chassis that is grounded. It may also happen exactly the opposite that it gets worse with grounding so you have to do some testing.

220 V noise filters to computers and other appliances normally must have a ground line to work out optimal.

It is recommended to take one thing at a time and see if it gets better. A lot of people attach noise reduction stuff everywhere without knowing if it has any effect or not.

To get the maximum effect of the noise reduction work - it is wise to follow Stefan's advice to wrap at least 20-25 turns on each toroid.

But, apparently, it helps even if you "cheat" a little.

As I had no thin USB cable at hand, I used the simplest solution and wrapped four turns of the USB cable on two toroid coils, one at each end. Just this simple action made a great improvement.

But there were still some noise entering Perseus.

No thin RG-174 were at hand so tried with wrapping just 5 turns of the incoming antenna coaxial cable to Persus on a toroid. Some of the remaining noise was reduced even further.

(Thomas Nilsson with help from Stefan Wikander)

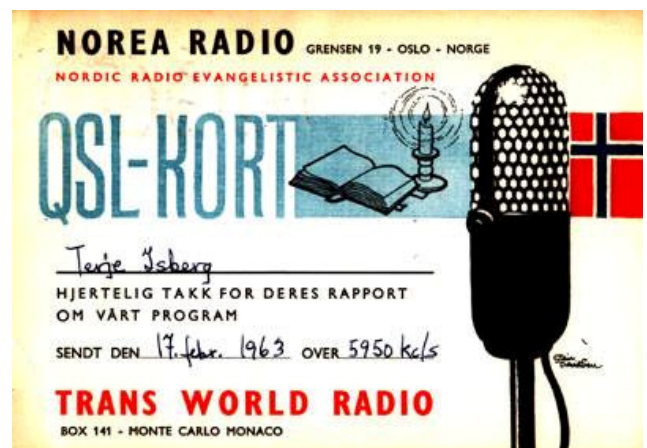


## NOREA RADIO

I anledning NLMs jubileum litt stoff om Norea Radio og deres radiosendinger fra Tangier, Monte Carlo, Bonaire, Quito, Luxembourg(mellombølge!) og senere i Norge! Her er noen klenodium fra tidligere år:

- 1.WIAMF sitt QSL-kort fra Norea Radio i 1959 over WTAN sin sender i Tangier, nå Marokko på 9340 kHz i 31-meterbåndet.
- 2.QSL-kort i Terje Isberg sitt eie som gjelder mottak av Norea over sender i Monaco i 1963 på 5950 kHz i 49 meterbåndet.
- 3.Peter Vaegler sitt QSL fra 1970 som også gjelder senderanlegget i Monaco, og som viser imponerende bredde, også sendinger over TWR (Trans World Radio) Bonaire og HCJB Quito er nevnt.
- 4.Avtrykk av QSL kort fra Norea 1977 nå til salgs på Ebay.

(Svenn Martinsen, DX-LISTENERS' CLUB)



**NOREA RADIO** Grensen 19 — Oslo 1 — Norway  
**NORDIC RADIO EVANGELISTIC ASSOCIATION**

**QSL**

NAME *Peter Vaegler*

We thank you very much for your correct report concerning our broadcast.

DATE *24.2 and 14.7.70* TIME *1700-1730 GMT* FREQ. *9.685 kHz*

over

Trans World Radio, Monte Carlo. Box 141, Monte Carlo, Monaco.  
 Trans World Radio, Bonaire, Netherlands Antilles.  
 HCJB «The Voice of the Andes.» Casilla, 691, Quito, Ecuador.

REMARKS *Thank you very much, Peter, for your report. After several months of waiting the verification finally came and coming. I hope you have got your QSL for reported transmission 24.2.70. This was cont. the 14th of November. Since my own programs are always highly appreciated, and we shall endeavor to hear from you again - Good listening. J.P.*

NOREA RADIO is an organisation in Norway belonging to the Norwegian Lutheran Mission, and we broadcast daily religious programs to Norway, weekly to Hungary and Russia, and sponsor a program in Japanese in connection with «The Lutheran Hour».

In Norwegian over TWR, Monte Carlo 1700—1730 GMT, daily, in the 26.31.41 m. b.  
 2145—2200 GMT, Sunday, medium wave 800 kc/s.  
 0330—0345 GMT, Monday, freq. in the 36.31 m. b.  
 2045—2100 GMT, Sunday, freq. in the 16 and 19 m. b.  
 0545—0600 GMT, Monday, freq. in the 19, 25, 31 and 49 m. b.

HCJB

The ministry is financed by gifts from listeners and friends. God has blessed the work since beginning in 1956, and people have accepted Jesus Christ as Saviour when listening to our programs.

We appreciate your interest in our programs and invite you to write again.

Your Sincerely  
*Lylevan Spikeland*  
 LYLEVAN SPIKELAND  
 technician

«EVANGELIET TIL JORDENS ENDE»

**NOREA RADIO**  
 NOREA RADIO — GRENSEN 19 — OSLO 1

DAGLIG på kortbølgen:

kl. 18.05 — 18.30	9.4 9.5 9.6 9.7 9.8
	31m
kl. 19.05 — 19.30	7.0 7.1 7.2 7.3 7.4
	41m

**QSL**

Two more QSL 's from Kaj Larsson in Svensk DX-Historia Facebook group.

**IRCO**  
 INTERCONTINENTAL RADIO COMPANY, S. A.

**TANGER**

(Provprogrammet, Postbox 6122, Stockholm 6)

Many thanks for your reception report concerning our broadcast.  
 Your report is hereby verified.

*Rastangren*  
 Testtransmission 1956

Verification Card

**WTAN** *The Voice of Tangier*

BRITISH P. O. BOX 219 - TANGIER, MOROCCO - NORTH AFRICA

Many thanks for your Reception Report of *December 29, 1955*

THE VOICE OF TANGIER, under the direction of international Evangelism, Inc. Greensboro, N. C., U. S. A. is a missionary radio station, dedicated exclusively to the broadcasting of the Gospel of our Lord and Saviour Jesus Christ and is maintained by free-will contributions.

Station WTAN broadcasts on short waves with a power of 2500 Watts (2.5 kw) and with directional antennae. The afternoon broadcasts are on a frequency of 6025 kilocycles on the 49 metre band; the evening broadcasts on a frequency of 9490 kilocycles on the 31 metre band.

THE VOICE OF TANGIER is on the air daily; on week-days from 13.00 hrs to 13.30 hrs and from 20.30 hrs to 23.00 hrs GMT. On Sundays from 13.00 hrs to 14.00 hrs and from 20.30 hrs to 22.30 hrs GMT.

Programmes :

Spanish - Daily 13.00-13.30., Sun. 13.00-14.00	Czech - First Thurs. month 20.30-21.00
English - Daily 20.30-23.00 except when other language broadcasts are scheduled	German - Tues. 20.30-20.45
Portuguese - Tues., Thurs. 13.15-13.30	Yiddish - Sun., Mon., Thurs., Sat. 20.45-21.00
French - Thurs., Sat. 20.30-20.45.	Russian - Sun. 18.00 - 18.30

Station announcements : In English - This is The Evangelical Voice of Tangier; in Spanish - Esta es la Voz Evangélica en Tánger; in French - Ici La Voix Evangélique de Tanger.

Rev. Ralph Freed  
 Field Director