

# SHORTWAVE BULLETIN

Issue no. 1917, Feb 10, 2019.

Deadline e-mail next issue: 0800 UTC, Feb 24, 2019.

Last issues pray for material to SWB was heard.

Only after a few days Clint Gouveia sent a travel report from a visit in Brazil.

He also maintains a youTube channel, the "Oxford Shortwave Log" with numerous video recordings as seen to the right. Many thanks for this material.

On the sport front we have to congratulate the Danish Handball Team for the Gold Medal.

And today we could watch Lindsey Vonn winning a bronze medal in her final downhill race in the World Championships in Åre. Fantastic to come back after her overturn in giant slalom.

Ronny Forslund sent some scanned old QSL's from the collection of Lars Rydén. Lars started dx-ing in 1950 and is one of the most well known Swedish DX-ers. Ronny – hope you can find a few more interesting QSL's in his collection.

Keep on ....

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## SWB-info

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

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

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

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

## QSL, comments, etc.

**Clint Gouveia.** Thank you so much for this month's issue of the SWB - I always find it very informative, but have never taken the time to thank you for your efforts. I note your request for news from DXers on the mailing list. I have recently returned from the Brazilian jungle, having spent a month there working, but of course also DXing. I wrote an article about my trip which recently appeared on the Bonito Newsroom Page (<https://www.bonito.net/newsroom/dxpedition-to-the-jungles-of-rio-capim-northern-brazil-with-the-bonito-megaloop-fx-antenna/?lang=en>), but would be very happy for you to include it in next months issue of the SWB. I'm sure some on the mailing list would find it interesting. I attach a PDF of the article and so please feel free to use it as you wish

Also, I'm not sure if you're aware, but my YouTube channel 'Oxford Shortwave Log' now contains over 2,500 reception videos (<https://www.youtube.com/channel/UChTXnzopF1r6wTIA6QwleLw>) and again, it's possible that your readers will find some of the content interesting.

Thanks again for the SWB - long may it continue!

**Anker Petersen.** Dear DX-friends, it is just two hours ago, since the unique Danish Handball team after ten matches won the Final Match in the World Championship by beating Norway with 31-22 !

The Gold Medals were handed over by the Danish Crown Prince ! A historical event.

**Ullmar Qvick.** Det kommer en liten rapport härifrån.

QSLs so far this year from **RTI Taiwan 6180** nice card with lunchbox pic, **CRI via Cerrik AL 7285** E-QSL after 4 hours, **CRI Kashi 7415** E-QSL 3 hrs, **RRI Bucarest 9819** card, **FEBC Iba 9345** E-QSL, **NHK via Moosbrunn 6155** nice winter card, **TWR Africa Manzini 9500** E-QSL.

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## WRTH B-18 International schedule updates.

A pdf update (February 2019) of the B18 schedules given in WRTH 2019 can now be downloaded from the World Radio TV Handbook (WRTH) website.

Follow the International Radio Latest Updates link on the menu on the left hand side of the WRTH homepage at:

< <http://www.wrth.com/> >

< [http://www.wrth.com/shop/wp-content/uploads/WRTH2019IntRadioSuppl1\\_B18SchedulesUpdate.pdf](http://www.wrth.com/shop/wp-content/uploads/WRTH2019IntRadioSuppl1_B18SchedulesUpdate.pdf) >

(WRTH, via Alan Pennington-UK, BrDXC-UK ng Febr 4)

1730	Jan31	0920	Peru, Escuto claro música Peruana locutor não fala claro ID. Chequei os Peru 870 AM não Bateu. Deve ser algum Peruano doido na X Band. Depois mando o video 1730 Peru. 09:20 UTC 31 Janeiro 2018 O video 1730 Grecia foi excluido em respeito aos dexistas que comentou. Eu sou uma pessoa Humilde muitos não sabe mecher comigo. Não aceito escuta sem título ou que me fale sem provar de onde vem. (Daniel Wyllyans via HCDX)
2850	Feb6	2205	KCBS, Pyongyang Korean talk (AP-DNK)
3240	Feb4	0335	TWR, Mpangela Ranch Ndaou talk CWQRM in USB (AP-DNK)
3260	Feb9	-1208*	NBC Madang, (Maus Blong Garamut - Voice of Indigenous Drums), 1125-1208*, Feb 9. DJ in Pidgin, playing pop songs (Western & Pacific Islands) up till 1201, when seemed to go to English (relay of "NBC National Radio"? ) with more pop songs; cut off in mid-song. (Ron Howard, Asilomar State Beach, CA)
3320	Feb4	0340	R Sonder Grense, Meyerton Afrikaans ann, pop music (AP-DNK)
3320	Feb6	2210	PBS, Pyongyang Korean conversation (AP-DNK)
3325	Feb1	1142	NBC Bougainville (Maus Blong Sankamap). DJ in Pidgin with pop music (song "The Tide Is High," Elvis Presley with "His Latest Flame," etc.); local time checks; 1159 full ID and SW frequency; 1202 audio ended, but seemed that open carrier continued on (not VOI); no problem with VOI QRM (Ron Howard, Asilomar State Beach, CA, USA)
3345	Feb4	0345	Channel Africa, Meyerton English talk (AP-DNK)
3910	Feb6	2215	Voice of the People, via Goyang, South Korea Korean talk // 3930, 3480 and 4450 - all jammed (AP-DNK)
3910	Feb3	2139	Voice Of The People (cland.), Goyang. Kor to KRE, tks, songs. Jammed. 24341 (CG)
3915	Feb5	*2200-	BBC, Kranji relay. IS, WS in E to SEAs, nx. 35343 (CG)
3915	Feb6	2220	BBC, Kranji English interview (AP-DNK)
3945	Feb6	2225	Echo of Unification, via Chongjin, North Korea Korean talk // 6250 (AP-DNK)
3950	Jan26	2355	Xinjiang PBS, Urumqi Chinese conversation, ann with Chinese music, time signal, "The East is Red", ID: "Xinjiang renmin kwangpo dientai" (AP-DNK)
3975	Feb7	1903	Short Wave R, Winsen. E, pops, tks. 35332 (CG)
3985	Feb6	2230	Echo of Hope, via Hwaesong, South Korea. Jammed // 4885 via Seoul (AP-DNK)
3985	Feb3	2137	R.Echo Of Hope (cland.), Geonggi-do. Kor to KRE, tks, pops. Jammed. *** Referred to as Voice Of The People by mistake on Jan 3. *** 34332 (CG)
3985	Feb4	2159	UNID, --, carillon. (TB)
3985	Feb4	2200	Echo of Hope-VOH, HWA, Kor, OM tk, noise jmm. (TB)
3990	Jan27	0000	Xinjiang PBS, Urumqi. Uighur talk QRM Gannan PBS 3990 with Tibetan flute (AP-DNK)
3995	Feb7	0715	HCJB, Weenermoor German ann, hymns by mixed choir ( <u>No English or Russian broadcasts heard at 0355-0435, while HCJB was off the air !</u> ) (AP-DNK)
4010.17	Jan27	0005	Birinch R, Krasnaya Rechka Kyrgyz folksongs (AP-DNK)
4500	Feb3	*2327-	Xinjiang PBS, Urumqi. Mongolian opening ann, folksongs, 2330 CC fanfare, ID (AP-DNK)
4765.06	Feb4	0315	R Progreso, Bejucal Spanish talk, lively song (AP-DNK)
4765.07	Jan27	0015	Tajik R 1, Yangiyul Tajik ann, string music and song (AP-DNK)
4800	Jan27	0025	AIR, Hyderabad Telegu talk QRM China 4800 (AP-DNK)
4800	Feb6	2235	Voice of China, Golmud. CC talk with childrens interludes // 6080 & 7230 (QRM 7225) (AP-DNK)
4810	Jan27	0030	AIR, Bhopal Hindi talk (AP-DNK)
4835	Feb3	1206	AIR Gangtok. Very nice to have some actual audio here! Non-stop repetitive indigenous singing/chanting; today the audio was good, without the often heard strong hum. Clearly Ozy Radio remains silent here. There are not that many days here that I have audio above threshold level. Gangtok sunset today was at 1148 UT (Ron Howard, Asilomar State Beach, CA, USA)
4885	Feb3	1809	R.Echo Of Hope (cland.), Nowon-gu. Kor to KRE, tks. 25342 (CG)
4885.04	Feb4	0320	R Clube do Pará, Belém, PA Portuguese conversation (AP-DNK)
4920	Jan27	0035	AIR, Chennai English ID: "Good morning! This is All India Radio with the news", news incl. two Presidents in Venezuela QRM Tibet // 4800 and 5010 (AP-DNK)
4930	Feb4	0325	VOA, Moepeng Hill English comments about Africa, ID: "This VOA International" (AP-DNK)
4940	Feb2	1430	Voice of Strait, with the weekend "Focus on China" program; all about the upcoming Chinese New Year (Spring Festival) preparations throughout China (this year is on Feb 5); 1451 closing program ID and pop song; 1455 into Chinese; fairly readable. BTW - On Feb 4, from about 1200+ UT, there might be SW coverage of the New Years Eve

gala (<https://chinesenewyear.net/gala/>), with an audio feed from the CCTV coverage. Each year it is questionable as to how much SW coverage there will be, but usually both frequencies of VOS (4900 & 4940) do carry it and some other regional Chinese stations run intermittent segments as well. Last year 1.1 billion people viewed the CCTV coverage. (Ron Howard, Asilomar State Beach, CA, USA)

5004.45 Feb2 1620 USB, UNID Net. Good reception of some of the stations in the net. Rather surprised to find them on this frequency. My audio - <https://app.box.com/s/m5cdrjmmvokoixn9pctgtggo2zex6dz7> (Ron Howard, Asilomar State Beach, CA, USA)

5005 Feb3 -1118\* Radio Nepal (presumed). Definite, prominent carrier, but no trace of any audio; this closely fits their schedule and conforms to what Indian DXers have recently reported (Ron Howard, Asilomar State Beach, CA, USA)

5050 Feb6 2252 Beibu Bay R, Nanning early s/on, Chinese talk, pop music (AP-DNK)

5055 Feb6 1208 Radio 4KZ, was able to ID three consecutive songs - Michael Jackson with "Rock With You," Dion with "Abraham, Martin and John," Chuck Berry with "Rock And Roll Music"; 1305 with weather ("tomorrow cloudy ... forecast for Friday"); after the weather transmitter cut off 1306\*, so AI must have closed down early due to lightning in the area (Ron Howard, Asilomar State Beach, CA)

5060 Feb6 \*2306- Xinjiang PBS, Urumqi late s/on, Chinese talk // 3950 (AP-DNK)

5130.47 Feb4 0550 WBCQ presumably still on late along with Area 51 webcast amid 'Hobart Radio International', which must have started about 0534 instead of 0430, with 'Jordan's Corner', featuring some old DX recordings including KULA, RENB, KYOY [sic; KYOI]. Apparently Jordan Heyburn, UKOGBANI has moved his segment here from suspended IBC Radio (Glenn Hauser, OK)

5825 Jan20 1345 OZ-Viola, Hillerød via groundwave. Non-stop rhythmic music, 1401 English ID (AP-DNK)

5825 Jan22 2230 R. TRIUNFAL EVANGÉLICA. Enero 22. 2230-2250 UTC. Espacio de predicación. (Claudio Galaz; Barraza Bajo, Chile via CONEXION DIGITAL)

5920 Feb1 0805 Voice of Freedom, with the end of audio at 0805, after the song "aleumdaun nala" (Beautiful Country); then open carrier remained on as usual till 0858, with start of musical instrumental by Yang Bang Ean - "Frontier"; usual heavy N. Korea jamming the whole time, even with just VOF open carrier (Ron Howard, Asilomar State Beach, CA, USA)

5939.74 Feb7 0410 Voz Missionaria, Camboriú, SC religious talk (AP-DNK)

5950 Feb1 0355 Voice of the Tigray Revolution, Addis Ababa Tigrinya discussion (AP-DNK)

5950 Feb3 1805 Voice Of The Tigré Revolution, Geja Jawe. Vn, HoA songs, tks. Adj. QRM. 33442 (CG)

5960.003 Feb6 0030 music at S9+10/S8, soon recognizably Turkish as expected. Will it also be the sporadic German hour from VOT? Yes, 0034 announcement in German. Very slightly offset plus; I don't recall this one ever being found on 5960.7 like so many other Emirlerians. The point is, the sloppyrators sometimes don't get 5960 turned off by 2355 when English finishes, letting it run with the next language on the feed which is not supposed to be on any SW frequency. If such lapses be totally random, sooner or later it will happen on Saturday into UT Sunday and clash with The Mighty KBC (Glenn Hauser, OK)

5985 Feb1 2330 Myanma R, Yegu Bamar talk, music - heavy noise QRM (AP-DNK)

5985 Feb2 1530 Myanmar Radio. Fair signal with intro to segment in English; "Good evening dear listeners. This is Myanmar Radio. We are broadcasting our final transmission for today, radiating on 5985 kHz., 50.13 meters, 576 kHz., 520 meters and 594 kHz., 505 meters. Now you can hear the news"; news and "weather news" ; 1543 "music from around the world." My audio at <https://app.box.com/s/n54buvfciqvhdwh84orm078h8dfhly7> . (Ron Howard, Asilomar State Beach, CA, USA)

6000 Feb1 2320 China Business R, Xianyang Chinese conversation // 6090 (AP-DNK)

6010 Feb9 0022 Two carriers, so is Colombia really reactivated along with Brasil? I barely make out some Spanish talk so the assumption would be Colombia --- but NO, it's // 5990 CRI relay! Now, I get it: 6010 is a leapfrog mixing product of 5990 over 6000 (Cuba can make broad jumps, but LFMPs are supposedly more apt between nearby frequencies.) This is possible only between 00 and 01 when both are on the air (unless they forget to turn at both of them off). The other could still be Brasil, as no other broadcaster, major or minor is known active during this hour (DON'T YOU BELIEVE Radio Mil, Mexico, still in Aoki/NDXC, which has been gone for many YEARS). To confuse matters further, RHC has some Brazilian trying to speak Spanish, i.e. Portunhol, I have also heard at other times; maybe an unusual temporary guest. 5990 is S9+20/30, and 6000 is S9+10. Since they leapfrog, the two must be at the same site, despite Aoki showing different coördinates: 5990 CRI as La Habana, and 6000 RHC as Titán-Quivicán. This is because only the CRI relays are in HFCC as registered by the ChiCom, but not specifying which of the three real sites. EiBi also reflects this.

Harold Frodge also reported RHC on an unlisted frequency: ``CUBA: 6090 Radio Habana

Cuba; 0405, 2/4; W in EE reading list of phone #s & addresses; 0407+ RHC ID. SIO=2+52+; no sign of robustly bountiful Rev.. Barbie or dead Dr. Gene (Frodge-MI)` (Glenn Hauser, OK)

6010.016 Feb9 0710 JBA carrier, probably R. Inconfidência, despite Aoki/NDXC listing as in a break 06-09 (and also listing imaginary Mexico and probably same Colombia on 6010). See also CUBA! (Glenn Hauser, OK)

6030 Feb1 0350 R Oromiya, Adama, via Geja Jewe Oromo talk QRM CRI 6020 (AP-DNK)

6035 Feb1 -1111\* BBS, Feb 1, reception poorer than recently noted; totally unreadable from 1035 till 1111\* (Ron Howard, Asilomar State Beach, CA, USA)

6035 Feb2 1600 FM99 relay via PBS Yunnan. Time pips; Beijing time check; usual "Radio" jingle. Jim Young (Calif.) was also listening today 1449 through 1504+. (Ron Howard, Asilomar State Beach, CA, USA)

6035 Feb7 \*1139- PBS Yunnan, relay of FM99, suddenly on at \*1139:17; usual FM format, in Chinese; almost fair. BBS (Bhutan) went off the air much earlier than the FM99 sign on. (Ron Howard, Asilomar State Beach, CA)

6090 Feb9 0401 : so I am checking this out too: Feb 9 at 0401, no Anguilla, but fast SAH of about 15 Hz, talk and music mixing. Now I get it! 6090 is another leapfrog mixing product as confirmed by // audio: 5910 CRI relay over 6000 RHC English, another 90 kHz higher. Both must be Titán-Quivicán site here too. Leapfrogs do not make any SAH as the result is a single `transmission`, which however could be off-frequency if either fundamental be; so what else is on 6090 now?

Surely R. Amhara, ETHIOPIA. The 6090 Cuban mix could be heard anytime between 03 and 05, the 5910 CRI hours in English, Cantonese. Checked at 0407 for reverse leap on 5820 but nothing audible there.

Let this be a lesson: before leaping to conclusions about something exotic or reactivated, if you hear Spanish or any RHC language on a band where Cuban transmitters also exist, consider a mixing product! Something`s always wrong at RHC --- and fun for us. (Glenn Hauser, OK)

6090.02 Jan30 2250 China Business R, Golmud Chinese talk with musical interludes, //6190 and 7315 (AP-DNK)

6120 Jan31 0215 Xinjiang PBS, Urumqi Uighur talk by man and woman, adv // 3990, 4980 and 7205 (AP-DNK)

6170 Feb2 0940 Scandinavian Weekend R, Virrat Finnish ann, English ID: "Scandinavian Weekend Radio", Finnish and English pop songs // 11720 (AP-DNK)

7205 Jan31 \*0300- R Omdurman, Al-Aitahab New s/on time, Arabic news about Sudan, 0307 Muslim song without music, 0309 prayer to Allah (AP-DNK)

7205 Jan30 1910 Sudan R & TV Corp., Al Aitahab.Songs, tks. 35343 (CG)

7210 Feb7 1056 PBS Yunnan, tuned in at 1056 to hear their distinctive IS of non-stop EZL loop of instrumental music; 1100 into programming in vernacular; doing well even with some QRM (Ron Howard, Asilomar State Beach, CA)

7295 Feb2 1030 Xinjiang PBS, Urumqi Kyrgyz talk, orchestra music // 9705 (AP-DNK)

7295 Feb6 1434 Usual mix with SAH of Furusato no Kaze QRMing itself via JAPAN and TAIWAN; 1435 Japan goes off clearing Taiwan. FnK is also scheduled from 1430 on 9960 via PALAU, where there is soft YL talk at S9+10; splash from some downunderite on 9955 evitable by USB tuning. Sounds the same as on 7295, but far from synchronized (Glenn Hauser, OK)

7345 Feb1 \*1026- Thazin Radio, heard start of test tone at \*1026, which stopped at 1030, to start their program (Ron Howard, Asilomar State Beach, CA, USA)

7385 Feb6 0333 this WHRI is off, while 7315 and 5920 are on; regarding the 7520 Russian during this hour UT Sundays only, I had assumed missing 7385 would be on as scheduled the other days of week, but it isn`t. Peter Hansen had pointed out that in the B-18 season, WHRI has not been running more than two transmitters at once, altho they allegedly have 2 x 500 kW and 1 x 100 kW in SC per WRTH. What happened to the other one? Note that `Angels` 1, 2, 5 and 6, are not individual transmitters but rather programming streams (Glenn Hauser, OK)

9345 Jan26 1420 FEBC Iba in Mandarin, strong but fading out @ 1500 z. (UQ)

9500 Jan31 1800 TWR Africa, Manzini English "Word for Africa" strong and in the clear (UQ)

9630.5 Jan29 0154 R. Aparecida is back on signature split frequency. Still at 0655 with song, S4-S6. Seems to have shifted ever so slightly below 9630.500, but not measured. Had been AWOL for several nights (Glenn Hauser, OK)

9630.5 Feb3 2135 R.Aparecida, Aparecida SP. Advs., mx px As Músicas Mais Lindas do Mundo. 35332 (CG)

9664.6 Feb3 2133 R.Voz Missionária, Camboriú SC. Rlgs. propag. & songs to match. 35433 (CG)

9689.97 Feb3 1655 check via UTwente, REE stupid ballgame coverage on 9690.0 has no LAH from VON today, unlike yesterday`s new English block. With VON you never know whether what they are doing be intentional or random (Glenn Hauser, OK, DXLD)

9930 Feb3 1250 T8WH Palau Christ Gospel World Harvest R asks for reports. Good (UQ)

9965 Feb3 1255 T8WH Palau Jack van Impe weak to fair (UQ)  
 9689.918 Feb6 1732 VP carrier, no doubt VON in English as Dave Kenny, BDXC-UK has just tipped hearing today. I first heard it on Saturday, not on Sunday, not sure about Monday, but not even on Tuesday later to het Spain (Glenn Hauser, OK)  
 11610 Feb1 0740 China Business R, Beijing Chinese conversation, music (AP-DNK)  
 11680.02 Feb1 0735 KCBS, Kanggye Korean ann, folksongs // Pyongyang 9665 Hum QRM. (AP-DNK)  
 11745 Feb1 0730 Al-Azm, Jeddah Arabic talk (AP-DNK)  
 11855.7 Feb6 2136 R.Aparecida, Aparecida SP. Natl. nx magazine A Voz do Brasil. Adj. QRM. 23431 (CG)  
 11950 Feb1 0720 Xizang PBS, Lhasa, Tibet Chinese talk (AP-DNK)  
 12045 Feb1 0715 Voice of China, Beijing Chinese conversation // 11760 (AP-DNK)  
 12055 Feb1 0655 CNR 17, Lingshi Kazakh ann, timesignal, local songs, interview // 11630 (AP-DNK)  
 15770 Jan31 1510 Supreme Master TV via WRMI multilingual weak, soon f/out (UQ)

### Pirate stations:

5780.0 05/2 1945 Harmony R - pir. E, songs. ID via DX press. 35332 (CG)

### Log Febr 3 2330 UT to Febr 4 at 0100 UT:

4980 USA WRMI, acc Aoki list "Supreme Master TV" scheduled. 11.2 kHz wide audio signal, but annoying BUZZ tone traced and some buzz strings visible, 30, 60, 120 Hertz. S=9+5dB in remote MA US state. At 2346 UT on Febr 3rd web address given.  
 5010 USA WRMI Okeechobee Florida, "Family Radio" religious program S=9+5 in MA remote SDR. 2345 UT on Febr 3.  
 6070 Terrible hard rock music from German hobby station Rch292 noted spread up to 28 kHz wide fq range, S=9 in central Europe 0823 UT.  
 6185.002 MEX XEPPM R Educacion from Mexico City D.F., fair S=6 signal or -86dBm, at 0000 UT on Febr 4. Some south states FREE JAZZ type music program.  
 5939.738 BRA Radio Voz Missionaria, S=6 or -90dBm, poor signal into remote SDR at MA US state. 2353 UT on Febr 3rd.  
 7249.850 The odd frequency Thomson-Thales unit of R Kuwait Kabd in Persian noted much late time this morning into central Europe, S=6-7 at 0817 UT. Also various services from Far East, KRO, KRE, NoEaChina made it into Europe early this Febr 4 around 0800 UT.  
 9765.007 R NZi Rangitaiki, S=7-8 in Edmonton-CAN remote SDR Sports news from Levine and Wellington. 0819 UT Febr 4.

(wb df5sx, wwdxc BC-DX TopNews Febr 3 / 4)

### Contributors to the log:

wb, Wolfgang Büschel, df5sx, wwdxc BC-DX TopNews, DXLD, DXPlorer, A-DX Glenn Hauser, Enid, OK, USA (also from WOR&DXLD) Ron Howard, Asilomar State Beach, CA, USA CG, Carlos Gonçalves, Lissabon, Portugal (Daniel Wyllyans via HCDX) UQ, Ullmar Qvick, Norrköping, Sweden	CGS, Carlos Gonçalves, SW coast, Portugal Méndez, Manuel Méndez, Lugo, Spain AP-DNK, Anker Petersen, Skovlunde, Denmark TB, Tomas Burian, Morava, Moravia (Claudio Galaz; Barraza Bajo, Chile via CONEXION DIGITAL)
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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

**Republic of Adygea.** In the winter season, the **Adygeya State TV and Radio Company** broadcasts broadcasting programs on short waves according to the following schedule:

- on Mondays from 6 pm to 7 pm in the Adyghe, Arabic and Turkish languages;
- on Fridays from 6 pm to 7 pm in the Adyghe language;
- on Sundays from 19.00 to 20.00 in the Adyghe language

All broadcasting is conducted at a frequency of **6000 kHz**, the transmitter power is 100 kW, the azimuth is 188 degrees.

The site of the GTRK "Adygea": <http://www.adygtv.ru/programs/radio-inoveshchanie/broadcasted/>.

(Magazine "Radio" # 02/2019, Radio reception. V. Gulyaev. Broadcast news.)

(Anatoly Klepov, RUS-DX # 1015)

**U S A.** Not that the ignorant, incompetent, corrupt, unqualified, childish, vain, pink-eyed, minority-`elected` anti-American, acting president Drumpf deserve any more mouthpieces, but the State of the Union address would normally lead to a number of pre-emptions on radio stations.

So while he`s on TV, Feb 6 at 0244, I start hunting for him. How about SW --- will any US SW station carry him, such as the vehemently pro-Trump WBCQ? NO, 7490 is off as usual at this hour; 9330 a JBA carrier, presumably still TOMBS. 5130.4+ is VP on with else, presumably the ham show. 5085, WTWW-2 is also on with something else, presumably the other ham show, but amazingly weak and even bothered by that ute on 5081 which normally it blasts away here. Nor found on any of the other private US SW frequencies audible, WHRI, WWCRCR, WRMI, WINB.

Surely the USAGM outlets are Drumpfung, but of course VOA has no English SW broadcasts at all between 22 and 03 UT! At 0304, however, I find he is on 6030, Radio Martí, with translation. Supposed to be // 7435 but not heard there. BTW, RM is the very first station under USA International, page 499 of WRTH 2019; why? In 2018 it was the sixth. And why isn`t it in the clandestine pages, as Cuba would surely agree?

At 0252 I start scanning the MW band, compared to cable TV audio, and most of the stations are running a good many seconds ahead; one must pause to allow for the too-frequent applause breaks, which could be confused with IBOC noise. I`m not digging deeply, as there would surely be more in the QRM if I tried. Most of the stations are obvious here without trying to DF or ID them: 570, 600, 700, 770, 780, 790, 820, 850, 870-D, 890-D, 1000, 1040, 1080, 1110, 1160, 1170, 1200, 1420, 1520, 1690. D means audio delayed behind cable TV on those stations. But many major stations dumped Drumpf, kept with regular format of talk, sports or music, such as WSM, WSCR, WGN, KRMG, WJR, WHB, WCCO, WHAS, KOA, KKOW, KRVN, WTAM, KMOX, KWKH, KSTP, WLAC, WCKY.

Finally before the blather is over, I survey FM: nowhere except on public radio 88.1 KWOU Woodward, 91.7 KOSU OKC. Even the numerous gospel huxters aren`t with him!

(Glenn Hauser, OK, DX LISTENING DIGEST)

**UZBEKISTAN.** The highest TV tower in Central Asia was built in Soviet times in the Uzbek SSR. Height is 375 meters. Height above sea level 480 meters. Initially, the project of the tower was intended for Baghdad. It was ordered by Kerim Kasem according to the results of the competition. However, due to the military coup in Iraq, the tower was not built. Not implemented project received the approval of Sharaf Rashidov. Work began on the placement of the television tower in Tashkent. The TV tower was built for 6 years, starting in 1978. It was put into operation on January 15, 1985. The TV tower consists of 3 main parts connected by horizontal, hinged connections: 1. Bearing frame 2. Three braces (supports) 3. Barrel (mine) Metal structures of the tower weighing more than 6000 tons, with equipment 16 000 tons rest on a powerful 11-meter foundation. The foundation is interconnected by flexible connections - reinforced concrete tapes, but which are installed columns and walls of technical buildings. Above the basement is the basement, followed by the ground part of the stylobate and the foyer. The bearing frame of the tower consists of a lattice trunk. Lattice trunk rests on the foundation and ends at 220.4m. The whole lattice frame is divided into sections. At around 85.4m. adjacent to the lattice trunk three strut. (supports) Each support weighs 540 tons. The support struts are 3 conical supports extending to the top. The struts are interconnected by a hard disk with vertical inserts, which form a rigid structure around the cage. The struts are designed for the stability of the tower and the perception of horizontal forces, they hold and dampen the vibration of the tower. The connection of the ethmoid trunk with struts is made by means of hinged links. Inside the trellis trunk from 4.4m to 123m. there is a mine with a diameter of 8m. around the mine are service areas. The main function of the TV tower is broadcasting and broadcasting. At around 220m, a dome of digital broadcasting transmitters, special communications equipment and cellular companies are located on the dome.

Photo1 - [https://vk.com/radioreceiver?z=photo-163779953\\_456249380%2Fwall-163779953\\_20699](https://vk.com/radioreceiver?z=photo-163779953_456249380%2Fwall-163779953_20699)

Photo 2 - [https://vk.com/radioreceiver?z=photo-163779953\\_456249381%2Fwall-163779953\\_20699](https://vk.com/radioreceiver?z=photo-163779953_456249381%2Fwall-163779953_20699)

Photo3 - [https://vk.com/radioreceiver?z=photo-163779953\\_456249382%2Fwall-163779953\\_20699](https://vk.com/radioreceiver?z=photo-163779953_456249382%2Fwall-163779953_20699)

(Vadim Novoselsky, <https://vk.com/radioreceiver>)

(Anatoly Klepov, RUS-DX # 1015)

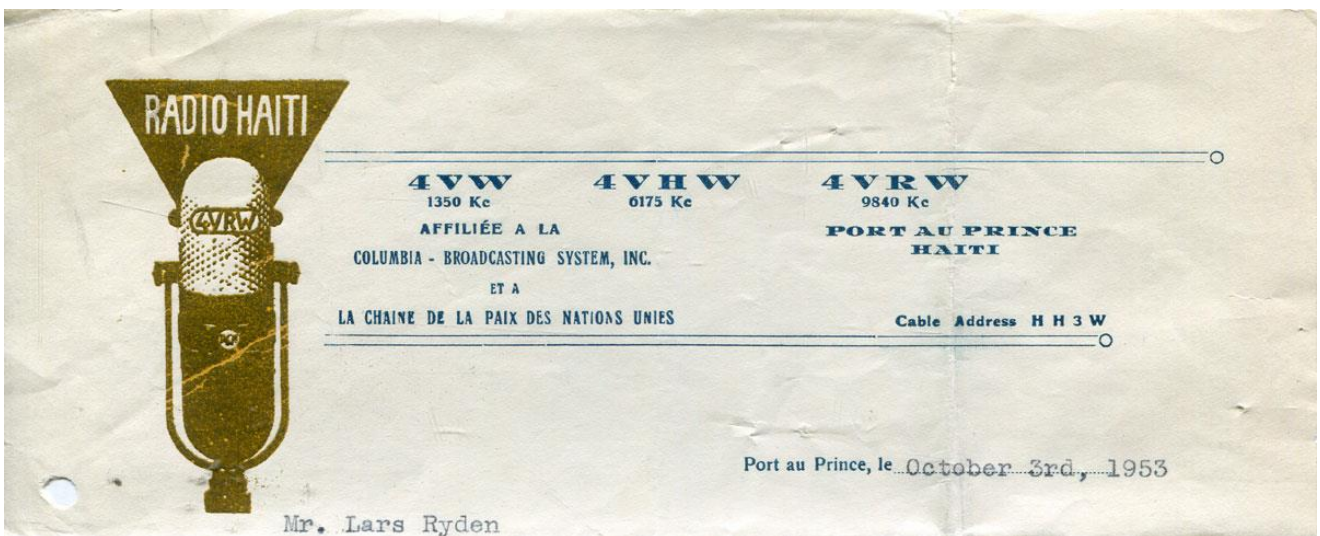
## Other radio news

### DX nostalgia

Here are some scans from the impressive QSL collection of Lars Rydén, one of Sweden's top DX-ers. Lars started DX-ing already in 1950. In 1953 he received this letter from Radio Citadelle in Haiti. The station was known as a tough verifier. According to the letter Radio Citadelle broadcast with 400 watts of power, using a horizontal antenna. WRTH listed the station on 6300 kHz with 100 W.



Another station which Lars heard on SW was Radio Haiti.



Mexico used to have several SW stations, for instance this one:



Finally a QSL card from a Mexican station which Lars heard on February 17, 1953 on 9680 kHz.



More DX nostalgia will soon be published on [www.dxbooken.com](http://www.dxbooken.com).

Many thanks to Ronny Forslund for sharing those nice QSL's with us. /TN



## SEOUL AM RADIO LISTENING GUIDE

**Just a note that my Seoul AM Radio Listening Guide** has moved to: <http://chriskadlec.com> (see the Radio menu)

I have added numerous full-length propaganda clips (AM FM SW) that I hadn't featured before, as well as photos and more. My old page was merely a temporary home for two years in lieu of this new page that had been planned for that pretty much that long.

In addition to that, I have built new pages featuring all KBS local addresses for those QSL seekers and a new/improved page for Chinese ID vocabulary (i.e. guangbo, dianshi zong tai, zhi sheng, etc.) with full English and pinyin translations for each clip. Both were previously PDFs. I also have a plan to add a similar page for MBC local addresses and update my list of Asian station streams.

For those who have interests beyond MW, you can also find all my FM content, including my full Chinese tropo and E-skip log with 3 hours of audio, and my new 6-hour 500 top-of-hour ID project for my 530 FM regulars here in Michigan. And other stuff too.

Hope some of you will check it out and let me know if there are other such resources that I may have access to that anyone would be interested in (-Chris Kadlec, Jan 30, IRCA via DXLD)

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Hi Chris, I only wish that I had more hours to go through your site. Interesting radio stuff of course, but your impressions of Korea and other details of that nature are extremely worthwhile also. I think that the write up on Asian DX targets' webstreams is still to come is it? Thanks for putting that up (Nick Hall-Patch, IRCA via DXLD)

-----  
I can only echo Nick's comments Chris — what a great page. It's going to take some time to explore all the things you've got here. And what a great resource for helping ID Asian MW stations! Looking forward to using it on some real, live DX soon! Thanks for your efforts! (Bill Whitacre, DC, IRCA via DXLD)

-----  
Chris, I agree with Bill and Nick. So far, I've only had a minute or two to look at it, but there's a lot of interesting stuff to dig through. Thanks for putting it together (Bruce Portzer, IRCA via DXLD)

## **PRESS RELEASE. New WRTH-DVD available (1947-1998 the first 52 years).**

You receive this email, because a long time ago you ordered a CD with digital reprints of the World Radio TV Handbook. Today we'd like to inform you that we have digitized much more volumes of the WRTH and offer them for sale:

WRTH-CD 1 (1947-1958)

WRTH-CD 2 (1959-1970)

WRTH-CD 3 (1971-1982)

WRTH-CD 4 (1983-1994)

The price is 49 Euro each.

We also offer bundles: Two CDs will cost 80 Euro and 3 CDs 119 Euro.

Perhaps you are interestet in our brand new WRTH-Mega-DVD which covers all editions published from 1947-1998 - the first 52 (!) years of the handbook.

Also the bonus-material of the DVD is worth a look: many "summer editions" of the handbook, several editions of the WRTH-publication "How to listen to the World", and all editions of the WRTH which were published in the 1950ies in German and in 1960 in Spanish. Last but not least you will find on this DVD some of the WRTH predecessors, which the former editor, O. Lund. Johansen, published during 1927 and 1945.

This DVD gives you a unique insight into the history of global radio. Its an essential tool for everyone interested in the history and development of international broadcasting. A full-text search-funcion is integrated. Also a print of the books is possible.

The price of the WRTH-DVD 1947-1998: 149 Euro: (incl. shipment worldwide via airmail)

Orders: Please write an email with your postal address to <kurier -at- addx.de> and transfer the money to the ADDX account at Deutsche Bank Duesseldorf, Germany

IBAN: DE25300700240868680000

BIC: DEUTDEBDUE

Shipment of the DVD will be done directly after the reception of the money. Payment via Paypal upon request.

Please write to: <kurier -at- addx.de> or to

ADDX, Scharsbergweg 14, 41189 Moenchengladbach, Germany.

(vy73 de Wolfgang DF5SX)

## [WOR] "News From the World of Shortwave"

An article by Jeff White in Radio World: <https://www.radioworld.com/global/news-from-the-world-of-shortwave>  
(Richard Langley via WOR)

## [DXplorer] Old Brazilian stations



I've been traveling through the southern part of South America and was in the Porto Alegre area of Brazil two weeks ago. The attached photo was taken in the Museu Histórico Visconde de São Leopoldo in the small city of Sao Leopoldo, not far from Porto Alegre. It's a very interesting museum about the German immigration to that area. The radio in the attached photo is interesting in that the dial markers are all Brazilian stations, most of which I recognize and once heard on SW. It's a MW/SW radio but it isn't clear which band the markers were meant to be for.

Starting at the top row and working down, the stations are ...

No idea who May Veija would be. Then Jornal do Brasil, Radio Sociedade da Bahia?, Tupi of Sao Paulo, one of the Educacao stat-

ions, Tupi of Rio, Radio Nacional, Radio Clube de Pernambuco, Radio Excelsior, a Radio Club, Radio Record, Radio Farroupilha (of Porto Alegre), Radio Globo, and Radio Inconfidencia.

(Don Moore --- [donmooredxer@yahoo.com](mailto:donmooredxer@yahoo.com) <http://www.donmooredxer.com> )

## QSL Gallery by Nobuaki Takahashi, Japan

QSLs or Verifications from Stations in USA, Canada, Mexico and others including Mediumwave(MW), FM and some TV stations in addition to shortwave(SW) radios.

Please note some radios were received when I visited the cities in the States or Canada for my businesses and or holidays. Of course some were caught in my home town in Japan.

[https://nobusqslna.blogspot.com/?fbclid=IwAR04VjF1t8mySGRmvEVDIC-IdkhPviib4UkqNrI6l-R\\_Y67w6v8tfD6zPos](https://nobusqslna.blogspot.com/?fbclid=IwAR04VjF1t8mySGRmvEVDIC-IdkhPviib4UkqNrI6l-R_Y67w6v8tfD6zPos)

<https://www.facebook.com/groups/1080049528677701/>

(via RUSdx)

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

In Wavescan No. N507, November 11, 2018

< <http://www.ontheshortwaves.com/Wavescan/wavescan181111.html> > Adrian Peterson told the story of Westinghouse station KFKX, Hastings, Nebraska, one of the earliest American shortwave broadcast stations (it picked up KDKA on shortwave and relayed it on both shortwave and mediumwave). In Adrian's presentation he describes a QSL booklet issued by the station, and since we have a copy, we are posting it under "DX History/Stations." Earlier we posted another pamphlet about KFKX < [http://www.ontheshortwaves.com/Stations/KFKX\\_pamphlet.pdf](http://www.ontheshortwaves.com/Stations/KFKX_pamphlet.pdf) > To see the KFKX QSL card, look at

< [http://www.ontheshortwaves.com/American\\_States\\_QSLs/American\\_States\\_on\\_Shortwave-QSLs.html](http://www.ontheshortwaves.com/American_States_QSLs/American_States_on_Shortwave-QSLs.html) > --

Under "DX History on the Net/Stations and Countries on Shortwave," we have added a new URL, "Danish Radio at Herstedvester" < <http://www.danskradio.dk/herstedvesterradiofonistation.html> > Anker Petersen has brought to our attention this new website about Radio Denmark and the Herstedvester transmitter site, which was in operation from 1934 to 1990, and also about the Danish Shortwave Club International and its "DX-Window" program, and DSWCI's collaboration with Radio Denmark. Although the site is in Danish, Anker has kindly provided English translation for the main text. There are many interesting graphics here, and also a number of English-language recordings, some going back to the 1960s. *Thanks, Anker.*

(Jerry Berg via DXplorer)

## Shortwave Radio Meetings – 2019

### Date: February 13

Description: UNESCO World Radio Day

### Dates: February 28-March 2

Location: Plymouth Meeting (near Philadelphia), PA, USA

Description: Winter SWL Fest

More info:

[www.swlfest.com](http://www.swlfest.com)<<http://www.swlfest.com/>>

Expected attendance: 150

NASWA Winter SWL Fest<<http://www.swlfest.com/>>

[www.swlfest.com](http://www.swlfest.com) February 28 – March 2, 2019, Doubletree Suites Philadelphia West, Plymouth Meeting, Pennsylvania. The Winter SWL Fest is a conference of radio hobbyists of all stripes, from DC to daylight.

### Date: March 2 (1430-1700 BST)

Location: Reading International Solidarity Centre (RISC), 35-39 London Street, Reading RG1 4PS, England

Organization: Reading International Radio Group Expected attendance: 20 More info:

[www.bdx.org.uk](http://www.bdx.org.uk)<<http://www.bdx.org.uk/>> , Baraclough.mike at gmail.com

Note: Reading DX meetings are held with about 2 months interval (next one on May 25th)

British DX Club Web Site - Home

Page<<http://www.bdx.org.uk/>> [www.bdx.org.uk](http://www.bdx.org.uk) The British DX Club is the premier club for all interested in radio listening. Covers dxing, schedules, programming, shortwave, MW, LW and FM radio for members in UK and overseas

### Dates: March 31-April 2

Location: Lausanne, Switzerland

Description: Radiodays Europe 2019 -conference More info:

[www.radiodayseurope.com](http://www.radiodayseurope.com)<<http://www.radiodayseurope.com/>>

### Dates: May 3-5

Location: Jönköping, Sweden

Description: DX-Parlamentet 2019, the annual meeting of the SDXF together with the meeting of Arctic Radio Club (a club specialized in MW DXing)

Organization: The Swedish DX-Federation (SDXF)

More info: [www.sdx.se](http://www.sdx.se)<<http://www.sdx.se/>>

### Dates: May 9-10

Location: Cary, North Carolina, USA

Description: Annual NASB Conference, hosted by TWR International

Organization: National Association of Shortwave Broadcasters More info:

[www.shortwave.org](http://www.shortwave.org)<<http://www.shortwave.org/>>

### Dates: May 17-19

Location: Dayton, Ohio, USA

Organization: Dayton Hamvention

Expected attendance: 20000

More info:

[www.hamvention.org](http://www.hamvention.org)<<http://www.hamvention.org/>>

### Dates: June 21-23

Location: Friedrichshafen, Germany

Description: Ham Radio, biggest annual hamfest in Europe Expected attendance: 20000 More info:

[www.hamradio-friedrichshafen.de](http://www.hamradio-friedrichshafen.de)<<http://www.hamradio-friedrichshafen.de/>>

### Dates: July

Location: Döbriach, Austria

Description: DX-Camp of ADXB-OE

More info: [www.dxcamp.org](http://www.dxcamp.org)<<http://www.dxcamp.org/>>

### Dates: August 2-4

Location: Southern Finland

Description: The annual summer meeting of the Finnish DX Association

Expected attendance: 100

More info: [www.sdxl.fi](http://www.sdxl.fi), rv at sdxl.org

### Dates: August 31-September 1

Location: Tokyo, Japan

Description: Big ham fair with a SW sector (Japan SW Club stand & lectures)

Organization: Tokyo HAM Fair sponsored by JARL Expected attendance: 30000 More info: ohtaket at live.jp

### Dates: September 5-7

Location: Tukwila, Washington, USA (near Seattle)

Description: IRCA Convention

More info:

[www.ircaonline.org](http://www.ircaonline.org)<<http://www.ircaonline.org/>>

### Dates: September 6-8

Location: Andorra

Description: European DX Conference

Organization: European DX Council

Expected attendance: 50

More info: [www.edxc.org](http://www.edxc.org)

### Dates: September 6-11

Location: Berlin, Germany

Name: IFA Internationale Funkausstellung

Description: Consumer Electronics Fair - Including Radios More info: [www.b2b.ifa-berlin.com](http://www.b2b.ifa-berlin.com)<<http://www.b2b.ifa-berlin.com/>>

### Dates: September 12-17

Location: Amsterdam, Holland

Description: IBC 2019, conference and exhibition More info: [www.ibc.org](http://www.ibc.org)<<http://www.ibc.org/>>

### Dates: October 8-10

Location: Kanyakumari, India

Description: Ham Fest India 2019

More info:

[www.hamfestindia2019.com](http://www.hamfestindia2019.com)<<http://www.hamfestindia2019.com/>>

(Hard-Core-DX mailing list)

## CCMC30 Coax Common Mode Noise Filter



Just arrived! The final Version of the CCMC30 Coax Common Mode Noise Filter. Noise Rejection 150kHz to 30 MHz >30dB!!!

If the Test went well, we will release it soon.

[#ccmc30](#) [#bonito](#) [#mantelwellensperre](#) [#noisefilter](#)  
[#rx](#) [#swl](#) [#hf](#) [#filter](#)

## ADAT ADT-200A

Fenu-Radio hat den ADAT ADT-200A aus der Sicht eines SWLs getestet und seinen Bericht nun veröffentlicht. Der ADAT ist ein seltenes Stück und war 2008 eine Schweizer Entwicklung die den bekannten Amateurfunkgeräteherstellern viele Jahre voraus war. (Die Kommentarfunktion habe ich hier deaktiviert da es nicht mein Wunsch ist ein Gerät hier großteils aus Sicht der Funkamateure nur negativ zu kommentieren.)

[https://www.fenu-radio.ch/ADAT\\_ADT-200A.htm](https://www.fenu-radio.ch/ADAT_ADT-200A.htm)



## Digital 4k UHD - Geochron



Der nächste Schritt meines Shack-Umbaus: Das "Digital 4k UHD - Geochron" hängt an seinem Platz. Ganz korrekt mit "GMT" Zeit, eine Abkürzung die dem älteren DXer immer schon gefallen hat.

(Christoph Ratzer)

<https://www.geochron.com/product/4k/>



## **DXPEDITION TO RIO CAPIM, NORTHERN BRAZIL WITH THE BONITO MEGALOOP FX ANTENNA**

Hi there, I returned from my 4<sup>th</sup> trip to the very beautiful, if rather rugged Rio Capim area of Northern Brazil, just before Christmas. As usual, this was a business trip, but of course I always take the opportunity to DX when I'm travelling. Spending yet another month out in the jungle presented the usual problems with heat, tropical bugs and at this time of year, much precipitation, particularly in the afternoons and evenings. There are also problems with the dreaded local QRM. Even in the remotest of locations, if humans are present and using electricity, there is noise. At my temporary, tropical QTH, the lighting systems in particular generated a huge amount of noise. In the evenings, the noise floor on my SDRPlay RSP DUO with a longwire would be terribly high – sometimes around - 95 dBs. This was totally unworkable of course with a standard telescopic antenna, or indeed, with any type of wire extension.

On this trip however, I had a very effective weapon in my armoury to deal with local QRM; the Bonito MegaLoop FX antenna. I have previously tested this antenna at my QTH in the UK and on my travels last year to Dublin, Ireland and Nantes in France. It proved very effective in delivering DX in noisy environments, particularly when coupled to the Bonito GI300 Galvanic Isolator. I was therefore rather excited to take this antenna back to the tropics. The beauty of my SDRPlay RSP DUO/ Bonito MegaLoop FX set up is two-fold: superb selectivity and sensitivity and complete portability. The RSP DUO is powered by my laptop – which is great because that gives me at about three hours listening away from noisy mains supplies. The MegaLoop FX can also be USB powered – and in fact will run on a cheap USB power brick for many, many hours. The loop itself is a flexible cable, rather than a rigid aluminium affair such as the Wellbrook ALA1530.



Travelling to Rio Capim involves a flight from London Heathrow to Lisbon, Portugal and then a connection to Belém, Northern Brazil. Everything was easily packed into my backpack and checked- in luggage and I had no problems at all at airport security. I took the 5 metre cable with me to Brazil

and managed to hang it from a welding screen at one point, in a quiet location on the edge of the jungle. Eventually, I fashioned a simple wooden 'cross' for the cable to effectively create a 4 sided quadrilateral shape which is basically the geometry of a typical 'kite'. This worked very well indeed and allowed for portable operation in and around the jungle.



As expected, the performance of the MegaLoop FX antenna, coupled to the SDRPlay RSP DUO was very impressive and for the duration of my stay in the jungle, I spent most of my time DXing with this set-up. I always take a portable radio and this trip was no different. I packed my XHDATA D-808, which I consider to be one of the very best portable radios currently on the market. What a shame then that it developed an audio fault and rendered basically useless. This then left me to focus 100% on my portable SDR set-up. It did not fail to deliver.

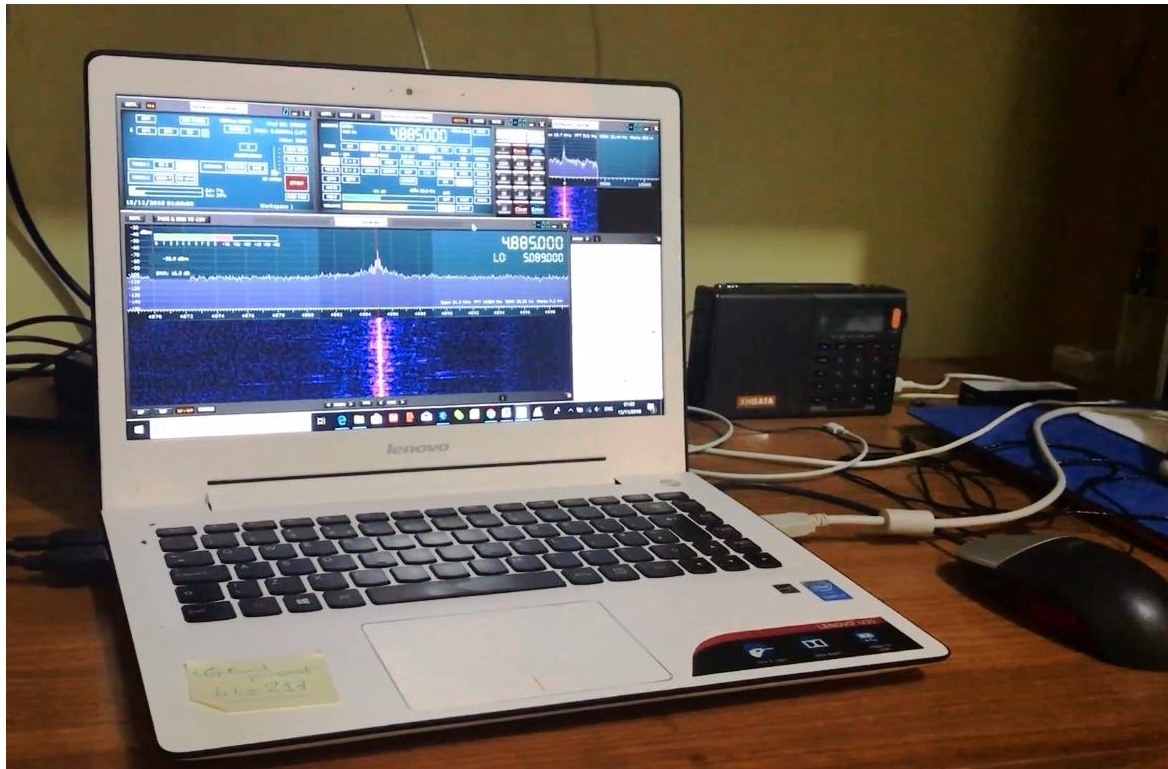
I spent many evenings scanning the HF bands for tropical band signals and as usual, copied many stations that I can hear in the UK, but of course with much stronger and clearer signals. For example, Rádio Clube do Pará was literally booming into Rio Capim day and night with a huge signal of S9 +10. Other stations that are much more difficult to hear in the UK were also copied with very nice signals and these included Radio Tarma Peru, Emisoras Pio XII Bolivia, Rádio Educação Rural Brazil and Radio Cultural Amauta Peru, amongst many others.



More impressively, I copied some signals that are just about impossible to hear in the UK these days and in fact my reception was excellent confirmation that they are still on-air. These included the never-heard-in-Europe (to my knowledge) Radio Sora de Congonhas Brazil and the very rarely heard Radio Huanta 2000 Peru, Radio Alvorada de Londrina Brazil, Radio Difusora do Amazonas Brazil and Radio 9 de Julho Brazil.

Perhaps most impressive was the performance on Longwave. Catching transatlantic signals on medium wave can be difficult and usually only possible with any regularity using sophisticated equipment. Longwave catches are even rarer. Whilst in Brazil, I managed to copy weak signals from BBC Radio 4 on 198 kHz, Radio Algérie Chaîne 3, on 252 kHz and actually quite good signals from Medi 1 in Morocco on 171 kHz and RTL Luxembourg on 234 kHz. This level of performance surprised me. My listening environment, although remote, was certainly not optimal – there was nearly always some electrical noise present. However, by locating the MegaLoop FX outside (and carefully taping up the partially open window to stop millions of tropical bugs getting into my room!) I managed to copy these transatlantic signals on longwave. Simply a brilliant experience all round.





In conclusion, if you're looking for a truly portable, high-performance DXing set up that can easily be taken on trips abroad etc., right now, the MegaLoop FX is the best possible antenna choice. With performance rivalling the Wellbrook loops, but small enough to fit into a backpack, this antenna is a no-brainer for hard-core DXers and casual listeners who want to maximise signal-to-noise and their listening pleasure. If you go over to my YouTube channel Oxford Shortwave Log, you will find over 50 reception videos from this trip, many of which feature MegaLoop FX antenna.

Please also check out the links below which feature a selection of the many catches I made on shortwave and the catches on longwave I mentioned. I wish you all the best of DX for 2019!

#### **LINKS TO RECEPTION VIDEOS**

<https://www.youtube.com/watch?v=m3gpP7O6TNo> Radio Tarma 4774.9 kHz, Peru

<https://www.youtube.com/watch?v=FejhEsVIpo4> Radio Cultural Amauta 4955 kHz Huanta, Peru

<https://www.youtube.com/watch?v=PCEO5n65szg> Emisoras Pio XII 5952.46 kHz, Bolivia

<https://www.youtube.com/watch?v=f90uzA2R3ZQ> Radio 9 de Julho 9818.65 kHz, Sao Paolo

<https://www.youtube.com/watch?v=M4k2ATMybIU> Radio Sora de Congonhas 4774.75 kHz

[https://www.youtube.com/watch?v=9cRnsrb\\_XPU](https://www.youtube.com/watch?v=9cRnsrb_XPU) Radio Mosoj Chaski 3310 kHz, Bolivia

<https://www.youtube.com/watch?v=YILW30XYPzc> Radio Huanta 2000 Peru 4747.32 kHz

<https://www.youtube.com/watch?v=zgbD68WoU84> Radio Alvorada de Londrina 4862.27 kHz

<https://www.youtube.com/watch?v=IZ8Z-vxnVWk> Rádio Educação Rural 4924.973 kHz, Tefé

[https://www.youtube.com/watch?v=\\_NchbTEBBvw](https://www.youtube.com/watch?v=_NchbTEBBvw) Radio Difusora do Amazonas 4804.96 kHz

<https://www.youtube.com/watch?v=TvfJg15E11c> Exotic FT8 decodes in the Brazilian jungle

<https://www.youtube.com/watch?v=nRTirzxFQm4> Medi 1 Nador Morocco 171 kHz

<https://www.youtube.com/watch?v=8r7-7kNzq8Y> RTL Luxembourg 234 kHz Longwave

<https://www.youtube.com/watch?v=LpAybhTLGcI> Radio Algérie Chaîne 3, 252 kHz longwave

<https://www.youtube.com/watch?v=OXUFs-mYDIE> BBC Radio 4 198 kHz Longwave



*Clint, than you very much for sharing this very interesting travelreport from Brazil! /TN*