

	<h1 style="margin: 0;">New Zealand DX Times</h1> <p style="margin: 0;">Monthly Journal of the New Zealand Radio DX League (est 1948) February 2020 Volume 72 No. 5</p> <p style="margin: 0;"><a href="http://www.radiodx.com">http://www.radiodx.com</a></p>	
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*Welcome to the February edition of the DX Times.*

We have **new members** - a very warm welcome to **Ethan Rose** of **Auckland**. Ethan has a ham licence - that much I do know. He is ZL1EK. We hope you enjoy being part of our DXing community. Don't forget to sign up to DX Dialog. How about sending us a little background information on yourself, Ethan? We'd like to know more about you. It is also welcome back to **David Searle** in **Scotland**. See the Musings column for more information.

**The FM season** was a little late starting, but is now in full swing. Following what has been heard on DX Dialog has been interesting and impressive. There is a lot to read in Paul Rawdon's column this month on page 27.

As we all know here in NZ, the **bushfires in Australia** have had a devastating effect across the Ditch. I am sure friends in the **ARDXC** have been affected and to them on behalf of DXers here in New Zealand, and indeed the world over, we send them our very best wishes and hope that their losses are manageable and that they and their families are safe.



The effects of the Australian bushfire on the sky in Mangawhai. For magazine-only readers it is a dark yellow colour! This was taken at 5pm and you would have thought night was setting.

Thanks to all members who have paid their **annual subs**. If you haven't renewed, Bryan will be in touch. Thanks in particular to those members who paid more than was required. Your donations are much appreciated. The money has been earmarked for the development of **a South Island SDR**. Those who have donated are: Ray Babbage, Graeme Dixon, Philip Garden, Martin Hadlow, Gunter Jacob, Roger Pryde, Adrian Sainsbury, Sam Dellit, Mike Smith and Jonathan Wood.

**Deadline for next issue is Wed 26th February 2020. P.O. Box 178, Mangawhai 0540**

**CLOSING DATES FOR THE NEXT  
3 MONTHS 2020**

**March**      **Wednesday, 26th February**  
**April**      **Wednesday, 25th March**  
**May**      **Wednesday, 29th April**

**You can send your contributions to the  
NZ Radio DX League at  
PO Box 178  
Mangawhai 0540**

**or use the email or postal addresses  
given by the section sub-editors.**



*All images used in this magazine come from  
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**Tune in with the DX League's SDR:**

<http://kiwisdr.northlandradio.nz:8074/>  
<http://kiwisdr.northlandradio.nz:8075/>  
You will need the password - write to  
[nzrdxlsdr@gmail.com](mailto:nzrdxlsdr@gmail.com) for details.

### **Senate Passes PIRATE Act**

Opponents of illegal broadcasting scored a major and long-anticipated victory today: The Senate (finally) unanimously passed the PIRATE Act Wednesday.

Short for "Preventing Illegal Radio Abuse Through Enforcement," only one hurdle remains for S.R. 1228: President Trump's desk.

In response to the act's Senate passage, National Association of Broadcasters President/CEO Gordon Smith said, "This legislation provides stronger resources to help the FCC combat illegal pirate radio operations, which not only interfere with licensed radio stations but also public safety communications and air traffic control systems. We look forward to the President signing the PIRATE Act into law."

New York State Broadcasters Association President David Donovan also released a statement thanking the legislators and saying, "We are one step closer to providing the FCC with the tools it needs to address the growing illegal pirate radio problem."

*It lists the frequencies covered by the act as being between 535 and 1705 kHz, inclusive, or 87.7 and 108 MHz - **pirate shortwave broadcasters are not included**. It also creates a maximum penalty for illegal broadcasts to \$2,000,000 — but also ups the fine allowable to \$100,000 per day. OUCH!*

Source: <https://www.radioworld.com/news-and-business/business-and-law/senate-passes-pirate-act> (via Ray Crawford).

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Adam Claydon asks members to help support the DX League Facebook pages.

They can be found at

<http://www.facebook.com/nzrdxl>

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### NEW ZEALAND RADIO DX LEAGUE (Inc)

The New Zealand Radio DX League is a non-profit organisation founded in 1948 with the main aim of promoting the hobby of Radio DXing. The NZRDXL is administered by

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Make sure your name is included

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# MUSINGS



Editor

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Last month, **Ken Baird** was talking about shortwave coverage to the Pacific Islands. He said: 'After the close of Radio Australia, they now only have RNZI, a 100KW Txer running at 50KW(why?)'.

Those who follow DX Dialog will have seen a lot of discussion about this issue. However, the final word should go to the man actually responsible for the service. League Member and RNZI head honcho, **Adrian Sainsbury** responded: 'I read the recent comment by Ken Baird about RNZI Pacific broadcasts to the Pacific. It is correct we do run the transmitter at 50 KW some of the day. Early morning transmissions are always at full power and also to PNG at 11 UTC. We also have the benefit of our curtain antennas that give us a gain of 10. So even at only 50 KW provides an ERP of 500 KW'.

*As a footnote I must say that when I was on holiday in Niue last July, RNZI boomed in all day - it was an excellent signal. When living in Malaysia I was also able to listen to RNZI with relative ease, particularly at night. I suspect it was the signal to PNG carrying on to Cyberjaya. I don't know that 100kw is necessary for putting a great signal into a Pacific location.*

I have had an email from **Ray Babbage** in **Melbourne**, with some interesting memories. [*Ray was initially commenting on the possibility of the Ladders/ Continents section being dropped, not something I am personally in favour of*]. I have been "pondering" the effect that might be caused by dropping this section. I, for a time in the early 80s, edited the section and I recall that the section was well patronised at that time. Took a bit of typing up on the Old MOW electric typewriters of those days!!

I cannot track down my Times from those years to make comparisons though. There were certainly a lot more contributors, but our membership has "shrunk", I myself used to send in entries many "moons" ago and I sort of conclude that if the majority of members want the section, keep it...

Now I was reading a 1962 Auckland DX newsletter in recent days. I used to get the newsletter being a country member in Opotiki. Was still working there in 62 and I must comment the town was far more active then. I was there last March and it's certainly gone backwards like a lot of country towns. But the newsletter by Peter Kerr commented on the coming wedding of Barry Williams to Miss Alice Woodley!

Also a comment that 8 Branch members were to attend the New Plymouth Convention in March. I went along in Stan Larking's (Whakatane) very old and slow Austin via the Mokau tunnel. It took most of the day, but the Convention was great and was my first. Have photo taken of Group "clustered" around a receiver. I am in the front of the set. One of the antennas

was down on a large rock in the Tasman sea. I think reception was pretty good. Recall Rod Barkworth, among other Auckland members, was in attendance. It's 57 years ago, so for the memories, Stu.

Anyway I wish you all a happy New Year and hope that Mangawhai is being kind to you for DXing. Cooler today in Melbourne about 33 but rain due at 4pm and a big drop in heat overnight. Bushfires still burning in the South East of Vic and into NSW. It's been an unusually early fire season. About a week before Xmas the Mercury hit 44.6 in Werribee!! Have had a bit of rain but not much... Anyway regards and happy new year, Ray

*[Wonderful to hear from you, Ray. The bit you forgot to mention was that not only did Barry Williams marry Miss Alice Wodley, but he then took her on honeymoon to the convention!! It has become part of DX League folklore. Alice, in her inimitable way, once told me about it and what she thought of it! Mind you, that didn't stop her from going to other conventions later. Life and soul of the party, I think you can call her. Take care, Ray, and a very happy New Year to you too.]*

My old (ie long standing!) friend **David Ricquish** in **Wellington** sent me a note recently regarding the European DX Council meeting, which he received from my counterpart in the British DX Club, Chrissy Brand. The EDXC 2020 conference will be held in Bucharest, Romania from Thursday September 10th to Sunday September 13th 2020. There will also be optional post-conference excursions from Monday 14th September.

A visit to Radio Romania International is scheduled on Friday 11th, on the morning, so it will be better to arrive on the Thursday. The EDXC Banquet will be on Saturday evening.

If anyone is interested, I suggest you contact Chrissie Brand ([chrissylb@hotmail.co.uk](mailto:chrissylb@hotmail.co.uk)).

I know David attended one of these a few years ago when he happened to be in Europe and had a marvellous time.

Almost new member (you will see why in a minute), **David Searle** of **Hamilton** in **Scotland**, recently wrote to Bryan Clark. I hope David doesn't mind, but I am including what he had to say here as it is interesting. Warm greetings from a wintry Hamilton. Although a Dunedin boy (nephew of Jim Searle SWL Mosgiel). I married a Scottish lass 35 years ago in Fiji and have lived in Christchurch/Wgtn/Dunedin half my life and the other in Scotland. Plus 3 years on Bondi Beach after the earthquakes. A fun time.

Yes, our paths have crossed, Bryan, as a former member for several years, aka Wayne Searle. I also attended conferences out of Dunedin with Jim etc. Happy memories.

Next year I will have been an SWL and licensed as ZL3DWS among others, for 50 years. Having just retired I've been using an Icom R71, Sony ICF2010D, Tecsun PL660 and wet string. Local QRM is terrible here so have recently discovered Internet Radio and been searching for international broadcasters on that medium. Just like the old days but the audio is mostly xtal clear unlike the Trio 9R59DS I cut my SWL teeth on.

I greatly look forward to reading of events in The Times and sending in some reports/comments from time to time.

Thanks, Bryan, for the warm welcome. All the best from wintry Hamilton. David MM0HQD  
*[On behalf of us all, David, welcome back. It's great to hear from you and don't forget to contact us on a regular basis.]*

**Mike Smith in Opunake** is next up. Giddy, Stu. Conditions are very noisy at home in Opunake so I've been lurking around on the League SDR when time permits. Also logged into the Kongsfjord one in Norway and amazed at how busy that is, both in usage and results into North America.

I was over in Tauranga recently to see the kids again and made time to catch up with John Durham for an hour or so. Really good to compare notes etc. After seeing his SW dipole set up I was moved to hang one up at home, just a random horizontal dipole with a 1:1 balun which resonates on about 8Mhz – goes well on the aviation frequencies around there. Might eventually have a look around SW. *[Oh goodness. In the words of the hymn -Yield not to temptation!!]*

We're away to Matarangi with mature family (read – no kids) in a couple of weeks so I hope to have time to get some DX in – but there are other activities planned as well – fishing, sightseeing, playing cards etc. I plan to take a 60cm circular loop and preamp, and enough wire to hang up a EWE if there are trees handy. I've been harassing the Brazilian R. Deus e Amor on fb messenger and finally got a response that said (Google translate) "We are happy with your contact". Good enough for me considering the positive ID on the original recording. Also found its worth looking through old QSLs, you never know what you will find – see Broadcast News contribution!

OK, hope to have more to discuss next time round. Need some rain to lower the noise levels here. *[Don't we all know about that! Great to hear from you and enjoy the time at Matarangi.]*

It is great to hear from **Edward Kusalik in Alberta, Canada**. He gives us a list of his veries for the beginning of 2020 and crucially the addresses used.

ARMENIA REP. 6080 Welle370 Special Broadcast via Yerevan Transmitter. Full data (w/site) QSL of two announcers plus 100 years of German Broadcasting Brochure, in 49 days for a postal reply. E-mail report sent to: welle370@funkerberg.de

6030 Bible Voice Broadcasting via Gavar/Yerevan Transmitter. Full data (w/ site) Multi-colored QSL card in 65 days via Postal Mail, for e-mail report too: mail@biblevoice.org

PIRATE – USA

4080 USB Texas Radio Shortwave. Rec'd a very attractive QSL showing the Alamo E-QSL Series #4, within 4 hours after posting my report too: texasradiosw@gmail.com

4075 USB Cool AM Radio relayed vi Mix Radio Int'l. Rec'd a reply within six hours an E-mail letter and an E-QSL showing the Windmill "The Walvisch" in the Netherlands, plus a Best Wishes form this station. Report sent to: coolamradio@hotmail.com

PIRATE-European (all heard via SDR's in Europe)

6270.3 Radio Dummy Load. Full data E-QSL within 12 hours, after posting my report to this station. Power 35 watts. Report too: radiodummyload@gmx.net

6285 Radio Monique -Free Radio Station on Caroline Ship. E-QSL 'with You Heard us' statement in 55 days, after posting follow-up within 12 hours, indicated they never received

my initial report.

6290 AM KR1 Dutch Pirate e-mail letter plus QSL Card & sticker in 8 hours or less, from a report too: info@kennemerradio1.nl

6322.5 Pandora Radio. Full data QSL Card with power indicated as 85 watts AM. Plus sent a very informative tech and info about this station..what a reply..in 14 days. E-mail report too: pandoraradio@hotmail.com V/S: Steve St.John

6070 Radio DX Freunde Special New Year's BCB via Rohrbach Waal Transmitter (Channel 292). Rec'd a Full data E-QSL Card 24 hours after posting my report too: radiopr@partyheld.de de v/s: Heiko K of the DX Group.

#### UZBEKSTAN

6145 6080 Welle370 Special Broadcast via Tashkent Transmitter. Full data (w/site) QSL of two announcers plus 100 years of German Broadcasting Brochure, in 49 days for a postal reply. Same card with both sites verified, one for Armenia and the other for Uzbekistan. E-mail report sent to: welle370@funckerberg.de

Finally we have **the Patron - Sutton Burtenshaw in Hamilton** has been communicating about tomatoes and other things. Gosh, December came around again and I had not sent in a musing all year, leastwise I'm sure I hadn't. Sat down at one of our sdrs' and concentrated on KDLG 670, KBBI 890 and CHRM 1140. The bug still itched in January so I added R Vanuatu 1125 and CFTE 1410. So far the only positive result has come in an email from <sam@kdlg.org>.

Have noticed only a couple of members using the sdrs' during the evenings of late but I guess not all will be listening at the same time as me. My own location gets very noisy from dinner time onwards and the TS570D (mod) is getting a bit jaded so having the sdrs' is a bonus. Thanks to Peter for attending to upkeep of them and the loop.

Thanks for wising me up to 'Shazam' its a great aid for DXers. Two reasons Merv welcomed us younger chaps at the '6 x 3', (1) carry the battery and (2) identify the song and artist. With 'Shazam' his eyes would pop, just like mine did and still do. *[You are more than welcome. Keep at KBBI, they should verify. For those who don't know, Shazam is a phone app. A song plays, you start up Shazam, hold it up to the speaker and it may well identify the song and artist. It also worked for me on Latin stations.]*



Shazam is available for free on the Apple Store or from shazam.com.  
There is now a desktop version available as well.

# BANDWATCH



**Editor**  
**Ian Wells**  
**Dunedin**

**email nzrdxlander9@gmail.com**

Welcome to February 2020, and confirmation that you have survived the holiday season and everything is back to normal. I see some interesting signals from the two Koreas in the lower frequencies this month. Your contributions are always welcome, and I'm sure you all know the rules - show loggings as tentative if you don't get a clear ID, or if there's any doubt about the logging, and provide as much detail as you can, including the date and language heard, while keeping your notes concise.

## **kHz UTC Country, Station, Programme, & Reception Details**

3125	0802	USA, WWCR Overcomer, poor with usual EE religious rant 27/12, also on 4/1 KAB**
3200	0542	SWAZILAND, TWR, very, very weak in EE 5/1 KAB**
3260	0833	PNG, R Madang, poor & noisy in Tok Pisin 4/1 KAB**
3320	0540	NORTH KOREA, Pyongyang BS, very weak in Korean 5/1 KAB**
3330	0804	CANADA, CHU Time & Freq station, fair in EE, ID, first time from NZ, 27/12 KAB**
3905	0801	PNG, R New Ireland poor/noisy in Tok Pisin 5/1 KAB**
3910	0835	NORTH KOREA, KCBS, fair in Korean // 3935 good 15/12 KAB**
3925	0758	JAPAN, R Nikkei, poor in Japanese 27/12 KAB**
3930	0827	SOUTH KOREA V of the People fair in KK 4/1, KAB**
3935	1016	SOUTH KOREA V of the People in KK jammed by Nth Korea //3910//3480 11/1 KAB**
3959	1013	NORTH KOREA v weak in KK (not 3960, listed as 3959 in EiBi) 11/1, KAB**
3985	0800	NORTH KOREA (tent) poor with "Super Jammer" 27/12, also heard 4/1, no other stations on this freq at this time so why jam? KAB**
3990	0829	SOUTH KOREA, Echo of Hope, fair in KK 15/12, KAB**
4055	0642	GUATEMALA R Verdad poor, non-stop Christmas music past 0730, well after normal close on Xmas eve 25/12 BCM**
4750	1934	INDONESIA, V of Indonesia poor in Dutch 12/1, KAB**
4840	0732	USA, WWCR excellent with Overcomer in EE, ID, 27/12, KAB**
4885	0819	BRAZIL, R Clube do Para, fair in Portuguese 4/1, KAB**
4920	1632	INDIA AIR fair in Hindi w/music 23/1 BC
4920	1820	INDIA AIR Chennai good in Hindi, extended schedule on New Years Eve, abruptly off 1830 31/12 BCM**
4940	1550	CHINA Voice of the Strait Fuzhou fair in CC w/music 20/1 BC
4985	0742	BRAZIL, R Brasil Central, poor in Portuguese 11/1, KAB**
5040	1732	INDIA AIR Jeypore fair w/EE news & ID, Hindi news 1735. Rapidly deteriorated until close 1745 4/1 BCM**
5060	1755	CHINA PBS Xinjiang VG with music, close with CC anncts 1859 // 3950 9/1 BCM**
5830	0400	ARMENIA (tent) BBC WS ID heard, no programme - test? 18/12 BC
5860	1710	KUWAIT R Farda fair in Persian 23/1 BC



5875 1620 BULGARIA BBC WS via Kostinbrod fair in Persian 18/12 BC  
5895 1645 TAJIKISTAN BBC WS fair in Korean 13/1 BC also 1810 14/12 JM  
5900 1915 BULGARIA R Taiwan Int via Kostinbrod fair in German 23/1 BC  
5950 1712 ETHIOPIA Voice of Tigray Revolution good in local language 27/12 BC  
5965 1630 TURKEY VOT poor at s/on in Azeri 19/12 JM  
5970 1635 ALBANIA CRI via Cerrik fair in GG 19/12 JM  
5980 1751 TURKEY VOT fair in Turkish 21/1 BC  
5990 1915 ROMANIA RRI good in Romanian w/full ID 23/1 BC  
5995 1727 ROMANIA RRI fair in Italian 21/1 BC  
6030 1820 ETHIOPIA R Oromiya fair in local language 13/1 BC  
6070 1615 TURKEY VOT fair in Persian 26/12 BC  
6070 1740 CHINA CRI via Xian fair in RR 20/12 JM  
6075 0850 ALASKA KNLS fair in EE 5/12 JM  
6080 1820 ENGLAND BBC WS good in FF 28/12 BDW  
6090 1750 CHINA CRI fair in EE 20/12 JM  
6120 0905 ALASKA KNLS fair in RR 5/12 JM  
6120 1740 TURKEY VOT good in Turkish 18/12 BC  
6135 0628 VATICAN BBC WS relay good in FF 12/1 BC  
6135 1410 CHINA CRI fair in EE 2/12 JM  
6150 0742 GERMANY R Marabu via Datteln 15kw, weak in GG with technopops, confirmed by parallel webstream followed until lost 0800 27/12 BCM\*\*  
6155 0500 AUSTRIA NHK World Radio poor/fair in EE 10/12 JM  
6155 0810 SOUTH KOREA KBS fair in JJ 16/12 JM  
6180 1645 TAIWAN RTI good in EE, full ID & schedule 25/12 BC  
6180 1830 BULGARIA BBC WS (tent) poor in (presumed) Somali gone by 1840 1/1 BC  
6270 1810 UNID station fair in Mideast language w/news. Could be audio of UK-based TV station Iran International which has been reported here, jammed by Tehran 22/12 BCM\*\*  
7210 1420 CHINA CRI fair in CC // 6040 // 7410 18/12 JM  
7220 1435 CHINA CRI fair in Nepali // 7435 18/12 JM  
7220 1808 VATICAN BBC WS excellent in FF 28/12 BDW  
7230 1710 VATICAN Vatican Radio fair in FF, EE from 1715 – 1730 12/12 JM  
7230 1815 VATICAN Vatican Radio excellent in EE with news 28/12 BDW  
7235 1440 CHINA CRI fair in CC // 6040 21/12 JM  
7255 0649 NIGERIA, VoN good with talk in Hausa. 10/1 SMF  
7255 1720 CHINA CRI fair in EE for Europe 16/12 JM  
7265 1450 CHINA CNR-2 fair in CC via Booji-Sif // 6065 18/12 JM  
7275 0830 SOUTH KOREA KBS fair in JJ 23/12 JM  
7280 1733 VIETNAM VOV fair in Vietnamese w/music 25/12 BC  
7290 1615 ROMANIA RRI fair in RR to close 1627, AA from 1630 20/12. New frequency JM  
7290 1915 ROMANIA IRRS fair in EE with "Living the Bible" 18/1 BC  
7295 0620 FRANCE RFI fair in Hausa 29/12 JM  
7300 1640 TAIWAN RTI fair in CC off 1705 12/12 JM  
7300 1744 CHINA CRI fair in Arabic 8/1 BC  
7305 0715 ASCENSION ISLAND BBC WS poor/fair in FF 20/12 JM  
7330 1800 BULGARIA BBC WS poor in Somali for Africa 20/12 JM  
7340 1830 CHINA CRI fair in Italian 18/12 JM  
7345 0652 ROMANIA, RRI vg in EE, prog about children abandoned at birth 10/1 SMF

7355 0550 USA R Marti good in SS with music 24/1 BC  
7355 1806 VATICAN BBC WS fair in Somali 28/12 BDW  
7365 1900 GERMANY Bible Voice Broadcasting poor/fair in EE at close 5/12 JM  
7375 1830 FRANCE R Algerienne fair in FF 16/12 JM  
7395 1620 CHINA CRI fair in Hindi until close 1657 14/12 JM  
7445 1521 IRAN VOIRI fair in EE w/ Indian service, details of new freqs, nx 1530 9/12 JM & BDW  
7445 1834 MADAGASCAR BBC WS fair but noisy in EE with Xmas variety prgm, lds and promos on the hour 25/12 BCM\*\*  
7470 1355 THAILAND VOA fair in CC 21/12 JM  
7475 0654 USA R Marti fair in SS 10/1 SMF  
7530 1545 CLANDESTINE Voice of the Martyrs poor/fair in Korean 20/12 JM  
7570 0510 USA WRMI poor/fair w/Overcomer Ministry in EE 19/12 JM  
7570 1700 NORTH KOREA Voice of Korea fair at s/on in KK for Europe 20/12 JM  
9330 1745 USA WBCQ good in EE w/religion 30/12 BC  
9400 1730 BULGARIA Overcomer relay in EE with Brother Stair 21/12 BDW  
9420 0650 GREECE VoG vg in GG with talk. 10/1 SMF  
9465 1825 MADAGASCAR BBC WS (tent) poor in Somali 25/12 BDW  
9525 1609 FRANCE Denge Welat good in Kurdish 10/1 BDW  
9525 1700 TURKEY VOT fair at s/on in TT mixed Denge Welat France relay Kurdish 6/12 JM  
9525 2002 MOLDOVA R Denge Welat fair in Kurdish 31/12 BC (scheduled from 2000)  
9550 1400 CHINA CRI fair at s/on in Vietnamese 18/12 JM  
9570 0835 SOUTH KOREA KBS fair in KK 23/12 JM  
9570 1825 FRANCE Deutsche Welle via Issoudun good in Hausa // 9785 25/12 BDW  
9580 1540 UAE NHK World Radio fair in Urdu via Dhabbaya 25/12 JM  
9595 1730 TURKEY VOT poor/fair in EE to Asia 9/12 JM  
9635 0515 VIETNAM VOV 1st prgm strong signals in Vietnamese with (presumed) new txr (scheduled 2145 – 1600) 12/1 GD\*\*/ADM\*\*/BC and probably others  
9650 0840 NORTH KOREA Voice of Korea poor in JJ // 7580 23/12 JM  
9660 1731 TURKEY VOT excellent signal in EE 28/12 BDW  
9660 1830 FRANCE RFI fair in FF 19/12 BC  
9695 1550 SAUDI ARADIA BSKSA poor/fair in Pashto, s/off 1600 25/12 JM  
9700 0645 TURKEY VoT good in TT. Mentions of Australia 10/1 SMF  
9705 1705 VATICAN Vatican Radio poor in FF for Africa 9/12 JM  
9740 1814 SOUTH KOREA KBS World Radio poor in SS 24/12 BDW  
9750 1815 VATICAN BBC WS excellent in FF 25/12 BDW  
9765 1005 NEW ZEALAND RNZI fair in EE 8/12 JM  
9770 1645 AUSTRIA AWR fair in Persian until s/off 1700 9/12 JM  
9805 1610 SOUTH KOREA KBS World Radio good in Vietnamese 6/1 BDW  
9865 1705 INDIA AIR Vividh Bharati prgm in Hindi 21/1 BC  
11620 0820 CHINA CNR-5 fair in CC // 9685 // 11935 5/12 JM  
11665 1000 MALAYSIA Wai FM poor/fair in Malaysian via Kajang 28/12 JM  
11690 1230 CHINA CRI fair in EE // 9760 good 23/12 JM  
11760 0259 CHINA CNR1 fair in CC 5/1 BC  
11770 1800 NIGERIA Voice of Nigeria poor but improving in EE w/news 22/12 BCM\*\*  
11780 1150 ROMANIA RRI fair in FF to close 1156 25/12 JM  
11800 0745 CHINA CNR-2 fair in CC until off 1030 8/12 JM  
11825 0740 JAPAN NHK World Radio poor/fair in JJ for East Asia 8/12 JM  
11875 1150 CHINA CRI fair in Amoy 25/12 JM

11915 1030 TAIWAN RTI poor/fair in Indonesian 15/12 JM  
11925 1315 UAE NHK World Radio relay poor in Indonesian at s/on 7/12 JM  
11925 1410 UAE NHK World Radio fair in EE, s/off 1430 21/12 JM  
11945 1040 SINGAPORE BBC WS fair in EE 15/12 JM  
11945 1315 ROMANIA RRI fair in AA 19/12 JM  
11945 1725 FRANCE NHK World Radio fair in JJ for Sth Africa 14/12 JM  
11955 1145 CHINA CRI fair, Filipino service in EE/Tagalog // 5910 // 7410 // 12070 23/12 JM  
11955 1230 CHINA CRI poor at s/on in Malaysian 5/12 JM  
11965 1320 TURKEY VOT poor in Turkmen 7/12 JM  
11980 0240 CHINA CRI fair in RR 5/1 BC  
11985 1445 GUAM AWR Asia/Pacific poor in Karen 9/12 JM  
11995 1345 SINGAPORE BBC WS poor in Burmese // 7485 21/12 JM  
12015 1115 CHINA CRI fair in EE 27/12 JM  
12025 1715 INDIA AIR poor/fair in Hindi to M/East 20/12 JM  
12025 1815 INDIA AIR Ranaji fair in Malayalam 8/1 BC  
12035 1335 TURKEY VOT poor/fair in EE 21/12 JM  
12040 2220 GUAM KSDA Agat VG w/religion in EE ID "Voice of Hope from Pune India" 5/1 BCM\*\*  
12045 1445 GERMANY R Liberty/RFE poor/fair in Uzbek 8/12 JM  
12065 1315 SINGAPORE BBC WS fair in EE 8/12 JM  
12075 1440 VATICAN VOA Ashna Radio fair in Pashto 3/12 JM  
12095 1050 PHILIPPINES FEBC poor/fair in Lu 15/12 JM  
12095 1735 UAE BBC WS poor in Amharic to 1750, Oromo to 1830 13/12 JM  
12120 1300 PHILIPPINES FEBC poor/fair in Liso 7/12 JM  
12140 1250 KUWAIT R Liberty relay fair in Dari // 15640 7/12 JM  
13610 0106 CHINA CNR-2 via Nanning in CC 22/1 BC  
13640 0631 CHINA CRI excellent w/EE News 13/1 BDW  
15105 1904 SWAZILAND TWR Manzini good with full ID at s/on in Lingala 11/1 BCM\*\*  
15190 1040 CHINA CRI poor/fair in EE 28/12 JM  
15250 1050 CHINA CRI fair in CC to close 1100 28/12 JM  
15320 2228 GUAM KSDA strong with open carrier until EE ID then Javanese prgm 5/1 BCM\*\*  
15370 2229 CUBA R Habana fair in SS w/music until AWR Guam opened 2300 5/1 BCM\*\*  
15390 1340 TURKEY VOT poor/fair in Urdu, multi-language IDs at 1352 9/12 JM  
15425 0122 CHINA CRI good in Amoy 22/1 BC  
15450 0930 PHILIPPINES FEBC fair in Minangkabao 11/12 JM  
15465 0920 TAIWAN RTI fair in CC 11/12 JM  
15480 1130 TURKEY VOT poor/fair in Turkish // 15350 7/12 JM  
15490 1845 ASCENSION ISLAND BBC WS fair in African language w/EE lessons, Oromo listed 1850-1910 6/1 BCM\*\*  
15560 0855 CHINA CRI fair in CC 27/12 JM  
15580 1823 BOTSWANA VOA relay fair but fluttery in EE 6/1 BCM\*\*  
15610 2215 USA EWTN Vandivers strong in EE with Catholic talk for Africa 5/1 BCM\*\*  
15715 1145 THAILAND VOA fair in EE to s/off 1200 8/12 JM  
15730 1930 USA VOA Greenville good at opening with FF news for Africa 10/1 BCM\*\*  
15745 1100 CHINA CNR-1 fair in CC // 6000 // 7345 8/12 JM  
15760 1055 THAILAND R Mashaal poor/fair in Pashto 7/12 JM

15770 1130 INDIA AIR fair in Thai via Bengaluru // 13645 7/12 JM  
 17510 0935 INDIA AIR fair in Indonesian via Bengaluru to close 0945 27/12 JM  
 17570 0930 CHINA CRI poor in EE for Europe 27/12 JM  
 17670 0910 CHINA CRI good in CC for the Pacific // 15440 21/12 JM  
 17720 0920 THAILAND VOA fair in CC// 11650 // 15150 22/12 JM  
 17805 0940 SAUDI ARABIA BSKSA poor/fair in AA 22/12 JM  
 17895 1310 SAUDI ARABIA BSKSA fair in AA // 17615 8/12 JM

Please add the symbol \*\* after your initials if you heard the station using the League's Northland SDR. If you've heard it using the SDR, others may also be able to, and it all counts as DX.

#### Local Contributors

<b>ADM</b>	Arthur De Maine	Ashburton	** Using the League's Northland SDR
<b>BC</b>	Brian Carr	Christchurch	AOR AR-5000, NRD 535, EWE and 30' longwire
<b>BCM</b>	Bryan Clark	Mangawhai	** Using the League's Northland SDR
<b>BDW</b>	Brian Webb	Upper Hutt	DE-1103 & AR-1733 with whips
<b>GD</b>	Graeme Dixon	Christchurch	** Using the League's Northland SDR
<b>JM</b>	John Mainland	Wellington	Philips D-2999, 20m longwire North-South
<b>KAB**</b>	Ken Baird	Wainuiomata	** Using the League's Northland SDR
<b>SMF</b>	Stu Forsyth	Titirangi	WinRadio G33DDC with 5m EWE

#### Overseas Loggings

Freq	Time	Details
6145	2140	GERMANY NDR Gruß an Bord – Nauen fair in GG with annual Xmas Eve prgm for ships at sea to close 2300 24/12 RDA
6170	0523	ASCENSION ISLAND VOA poor with talk in Hausa, s/off 0530 26/12 RDA
6180	0246	BRAZIL R Nacional do Amazonia poor in PP initially under CRI relay ex Cuba until CRI off 0300, then fair but abruptly off 0305 25/12 RDA
6180	0305	MADAGASCAR World Cristian Broadcasting poor in SS w/Xmas music 25/12 RDA
6195	2130	SAO TOME VOA relay poor signal in EE w/music, s/off 2200 25/12 RDA
7505	0338	USA WRNO good w/EE religious and music, numerous IDs 25/12 RDA
11680	0441	ZAMBIA Voice of Hope good w/EE religious prgm, ID 0500, fading by 0506 19/12 RDA
11850	2048	BOTSWANA VOA w/Hausa prgm, abruptly off 2059 25/12 RDA

Note that reception of these overseas loggings may not be possible in New Zealand at the times listed

#### Overseas Contributor

<b>RDA</b>	Rick D'Angelo	Wyomissing, PA, USA	Ten-Tec RX-340, Drake R-8B, Eton E1, Eton E5, Alpha Delta DX Sloper, RF Systems Mini-Windom, Datong FL3, JPS ANC-4
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Contributions to this column may be sent to nzrdx@under9@gmail.com or direct to the editor, Ian Wells, at iwellsnz@gmail.com or via snail mail to 16 Fenty Place, Mosgiel 9024.

# ENGLISH IN TIME ORDER

Editor

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Time Order summary of Shortwave Bandwatch column. For station transmitter sites please refer to the Bandwatch columns. Please remember to include the date and signal strength with all your loggings and send them to the column editor, thanks.

The Solar Flux is aired daily over WWV/WWVH on 2.5, 5, 10, 15 and 20 MHz Shortwave at 18 & 45 minutes past every hour.

\*\*\*SIGNAL STRENGTHS\*\*\* e = Excellent; g = Good; f = Fair; p = Poor.

73 - Yuri, ZL1GYM

## NEW ZEALAND CONTRIBUTIONS

Time (UTC)	Frequencies (kHz)	Station Name	Station Country	Log Date	DXer Name
0500	6155f	NHK World Radio	JAPAN	10-Dec	JM
0510	7570f	WRMI	USA	19-Dec	JM
0542	3200p	TWR	USA	5-Jan	KAB**
0631	13640e	CRI	CHINA	13-Jan	BDW
0652	7345g	RRI	ROMANIA	10-Jan	SMF
0732	4840e	WWCR	USA	27-Dec	KAB**
0802	3125p	WWCR Overcomer	USA	4-Jan	KAB**
0804	3330f	CHU	CANADA	27-Dec	KAB**
0850	6075f	KNLS	ALASKA	5-Dec	JM
0930	17570p	CRI	CHINA	27-Dec	JM
1005	9765f	RNZI	NZ	8-Dec	JM
1040	11945f	BBC WS	UK	15-Dec	JM
1040	15190f	CRI	CHINA	28-Dec	JM
1115	12015f	CRI	CHINA	27-Dec	JM
1145-1200	15715f	VOA	USA	8-Dec	JM
1230	9760g:11690f	CRI	CHINA	23-Dec	JM
1315	12065f	BBC WS	UK	8-Dec	JM
1335	12035f	VOT	TURKEY	21-Dec	JM
1410	6135f	CRI	CHINA	2-Dec	JM
1410-1430	11925f	NHK World Radio	JAPAN	21-Dec	JM
1521-1530	7445f	VOIRI	IRAN	9-Dec	JM/ BDW
1645	6180g	RTI	TAIWAN	25-Dec	BC
1715-1730	7230f	Vatican Radio	VATICAN CITY	12-Dec	JM
1720	7255f	CRI	CHINA	16-Dec	JM
1730	9400	Overcomer	BULGARIA	21-Dec	BDW
1730	9595f	VOT	TURKEY	9-Dec	JM
1731	9660e	VOT	TURKEY	28-Dec	BDW
1732-1735	5040f	AIR	INDIA	4-Jan	BCM**
1745	9330g	WBCQ	USA	30-Dec	BC
1750	6090f	CRI	CHINA	20-Dec	JM
1800	11770p	Voice of Nigeria	NIGERIA	22-Dec	BCM**

1815	7230e	Vatican Radio	VATICAN CITY	28-Dec	BDW
1823	15580f	VOA	USA	6-Jan	BCM**
1834	7445f	BBC WS	UK	25-Dec	BCM**
1900	7365f	Bible Voice B'casting	CANADA	5-Dec	JM
1915	7290f	IRRS	ITALY	18-Jan	BC
2215	15610e	EWTN	USA	5-Jan	BCM**
2220	12040	KSDA	GUAM	5-Jan	BCM**

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# SHORTWAVE REPORT

**Editor**

**John Durham  
Tauranga**

**email  
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## AUSTRIA

Fair/good signal of Oesterreichischer Rundfunk, January 27 0600-0720 on 6155 MOS 300 kW / non-dir to WeEu German Mon-Fri. 0600-0710 on 6155 MOS 300 kW / non-dir to WeEu German Sat/Sun. (Via HCDX Ivo Observer Sofia Jan 26/27)

## BHUTAN

6035 kHz, BBS Thimpu, at 1019-1048\* UT on Jan 3. In English; many sound bites; at 1043 UT, surprising reception, in which the news item was semi-readable; seminar held for Bhutan sports athletes to learn about nutrition. (Via Ron Howard-CA-USA, direct and wor via wwdxc BC-DX TopNews Jan 3)

## BULGARIA

Reception of From the Isle of Music via SPC-NURTS Spaceline Ltd. Sofia Kostinbrod Bulgaria relay site, January 26 1500-1600 9400 SCB 100 kW 30 deg to EaEUR English/Spanish Sun, very good signal. (Via Ivo Ivanov-BUL, hcdx via wwdxc BC-DX Topnews Jan 27)

## FRANCE

Koode Radio International KRI via MBR Issoudun, January 10 1900-1930 on 6180 ISS 100 kW / 175 deg to WCAf Nigerian Fulfulde, good (via HCDX Ivo Observer Sofia. Jan10/11)

Reception of Radio Sinit Eritrea via MBR Issoudun on January 10 0500-0600 on 9540 ISS 250 kW / 123 deg to EaAf Tigrinya/Arabic Sat, weak/fair (via HCDX Ivo Observer Sofia. Jan10/11)

## GERMANY

Voice of Oromo Liberation via MBR Nauen Dec 27 1700-1730 9610 NAU 100 kW 144 deg to EaAF Afan Oromo Fri/Sun, very good.

(Ivo Ivanov-BUL, hcdx via wwdxc BC-DX Topnews Dec 28)

Bible Voice Broadcasting via MBR Nauen January 4  
1400-1500 on 11900 NAU 250 kW / 102 deg to SoAs English 1st Sat, very good & 1630-1700 on 11875 NAU 100 kW / 145 deg to CeAf Nuer Daily, very good signal

HCJB Voice of The Andes via MBR Nauen on January 4 1529-1629 on 9500 NAU 100 kW / 100 deg to CeAs Russian/Chechen Sat, very good

Adventist World Radio Obectivo DX#862 via MBR Nauen, January 5  
1000-1100 on 9610 NAU 125 kW / 180 deg to SoEu Italian Sun, very good signall  
GERMANY(non) Pan American Broadcasting PAB via MBR Nauen, January 5:  
1430-1445 on 11800 NAU 250 kW / 094 deg to SoAs English Sun, very good  
(Via HCDX Ivo Observer. Sofia Jan 4-5)

### KUWAIT

Reception of MOI Radio Kuwait in 19mb, January 27.0500-0800 on 15530.0 KBD 250 kW / 310 deg to WeEu English, good and 0800-0802 on 15530.0 KBD 250 kW / 310 deg to WeEu Farsi unscheduled. (Via HCDX Ivo Observer Sofia Jan 26/27)

### KYRGYZSTAN

Birinchi Radio - The first radio. 4010 kHz 50 kW Krasnaya Rechka (Kyrgyzstan). Relay of programs that are broadcast on CB 612 kHz. Broadcasting in Russian B19:Fall 2019- Spring 2020.

12.30-13.00 Mon-Fri	13.20-14.00 Sat	15.20-15.30 Sat
16.48-17.00 Thu	17.28-17.58 Mon-Fri	

Via (Dmitry Kutuzov, Ryazan-RUS, "deneb-radio-dx", RUSdx #1062 via wwdxc BC-DX TopNews Jan 5)

### LAOS

Lao National Radio (presumed) 6130 kHz, 1326 UT, both on Jan 14 & 15. Definite indigenous chanting / singing / music; only heard when strong adjacent QRM was quiet; never strong enough to make out the language used.( Via Ron Howard-CA-USA, via wwdxc BC-DX TopNews Jan 16)

### NEW ZEALAND

Frequency change of R. New Zealand Pacific in AM & DRM mode from January 25:  
1651-1858 NF 9700\*RAN 50 kW 35 deg to All Pacific En Sat AM mode, ex 6115  
1859-1958 NF11725 RAN 50 kW 35 deg to All Pacific En Sat AM mode, ex 6115  
1751-1850 NF 9780 RAN 35 kW 35 deg to Tonga/Samoa En Sun-Fri DRM, ex11690  
1851-1958 NF11690 RAN 35 kW 35 deg to Tonga/Samoa En Sun-Fri DRM, ex13840  
( Via Ivo Ivanov-BUL, hcdx via wwdxc BC-DX Topnews Jan 27)

More changes of Radio New Zealand Pacific in AM mode, January 30  
0759-0958 on 9765 RAN 050 kW / 035 deg to All Pacific English, ex till 1058UT  
0959-1258 on 6115 RAN 100 kW / 325 deg to NWPa/PNG/As English, ex from 1059UT  
(Via HCDX Ivo Observer. Sofia Jan 30)

## TAJIKISTAN

Monitoring. Reception of "Voice of Tajik" (Ovozi Tochik) 03 Jan 2020 in Russian from 08.45 UT: 7245 kHz Dushanbe Yangiyul, Tajikistan 100 kW SINPO: 14321 Russian speech is heard (female voice), song and hindrance Broadcast in Russian daily 08.00-10.00 UT (Via Dmitry Kutuzov, Ryazan-RUS, "deneb-radio-dx";RUSdx #1062 via wwdxc BC-DX TopNews Jan 5)

## TURKEY

Voice of Turkey VOT in 19/25mb on January 5:  
1230-1325 on 15270 EMR 500 kW / 310 deg to WeEu German, good signal  
1330-1425 on 12035 EMR 500 kW / 310 deg to WeEu English-good signal  
(Via HCDX Ivo Observer Sofia Jan 4-5)

## UNITED ARAB EMIRATES

Trans World Radio Africa via ENC-DMS Al-Dhabayya site Jan 26  
1300-1315 17680 DHA 250 kW 230 deg to EaAF Afar Thu-Sun, weak to fair  
1315-1320 17680 DHA 250 kW 230 deg to EaAF Indonesian NHK-unscheduled  
(Ivo Ivanov-BUL, hcdx via wwdxc BC-DX Topnews Jan 27)

Radio Japan NHK World via ENC-DMS Al-Dhabayya site Jan 26  
1115-1200 17830 DHA 250 kW 105 deg to SoEaAS Indonesian, fair/good signal  
1315-1400 11925 DHA 250 kW 105 deg to SoEaAS Indonesian, poor+co-ch CNR-1  
at same time 11925 LIN 100 kW 286 deg to EaAS Chinese China National Radio  
(Ivo Ivanov-BUL, hcdx via wwdxc BC-DX Topnews Jan 27)

## USA

WRMI-9 11580, instead of 15770, January 27. Not shown their website  
1200-1300 11580 RMI 100 kW 44 deg to WeEUR En Daily Brother Stair TOM  
1300-1330 11580 RMI 100 kW 44 deg to WeEUR French Mon-Wed RAE Argentina  
1330-1400 11580 RMI 100 kW 44 deg to WeEUR En Mon/Wed/Fri Alameda BF  
1330-1400 11580 RMI 100 kW 44 deg to WeEUR En Tue AWR's Wavescan  
1300-1330 11580 RMI 100 kW 44 deg to WeEUR En Fri Shortwave Radiogram  
1300-1400 11580 RMI 100 kW 44 deg to WeEUR En Thu La Rosa de Tokio  
1300-1330 11580 RMI 100 kW 44 deg to WeEUR En Sat GH's World of Radio  
1330-1400 11580 RMI 100 kW 44 deg to WeEUR En Sat Shortwave Radiogram  
1300-1400 11580 RMI 100 kW 44 deg to WeEUR En Sun Your Weekend Show  
1400-2000 11580 RMI 100 kW 44 deg to WeEUR En Daily Supreme Master TV  
2000-2030 11580 RMI 100 kW 44 deg to WeEUR En Mon-Fri Radio Prague  
2030-2100 11580 RMI 100 kW 44 deg to WeEUR En Mon-Fri Radio Tirana  
2000-2030 11580 RMI 100 kW 44 deg to WeEUR En Sat/Sun Berean On Air  
2030-2100 11580 RMI 100 kW 44 deg to WeEUR En Sat New Life of The Word  
2030-2100 11580 RMI 100 kW 44 deg to WeEUR En Sun Wavescan  
2100-2300 11580 RMI 100 kW 44 deg to WeEUR En Daily Brother Stair TOM  
(Ivo Ivanov-BUL, hcdx via wwdxc BC-DX Topnews Jan 27)



## UZBEKISTAN

Voice of Martyrs via RRTM Telecom Tashkent, January 21 1530-1600 on 7530 TAC 100 kW / 076 deg to NEAs Korean, weak/fair signal (Via HCDX Ivo Ivanov Sofia.)

TWR India via RRTM Telecom Tashkent, January 22: 1546-1600 on 6240 TAC 100 kW / 066 deg to CeAs Kazakh, fair signal (Via HCDX Ivo Ivanov Sofia.)

## SHORTWAVE NEWS

### ANTARCTICA

Mail received from LRA 36, Radio Nacional Arcángel San Gabriel, they report the new email for reception reports: [tranalra36@radionacional.gov.ar](mailto:tranalra36@radionacional.gov.ar) (Via HCDX Manuel Mendez. Spain. 16/01

### AUSTRIA

Possible closure of Moosbrunn, Austria, later this year?

HFCC shows that the BBC now has five frequency hours a day at Santa Maria di Galeria. This time it would not be an airtime exchange but indeed a lease for cash, something Radio Vatican refused to do until last year.

In return the BBC withdrew all transmissions to Africa from Moosbrunn, leaving only 90 minutes for Afghanistan there. I had no opportunity so far to seek confirmations or denials for rumours that Moosbrunn could close this year. (Via Kai Ludwig-D, wor Jan 2)

### NETHERLANDS

New Broadcaster from The Netherlands. Radio Onda 5940kHz 1kw transmitter at Borculo in the Eastern Netherlands. Possible increase in power in a few months' time. [Editor]

<<https://www.radioonda.be/ondes-courtes>> "Welcome to Radio Onda's website! We are broadcasting in DAB+ mode from Brussels. Here you can listen, in addition to the good French music, the best international hits 80s and 90s, and of course, the beautiful Brazilian music! Listen to the broadcast of Radio Onda also on 5940 kHz" <https://ondaasbl.wixsite.com/english>

"Radio Onda is managed by ASBL Onda, a non-profit association based in Bruxellas, Belgium. Our activities are aimed at the dissemination of Brazilian culture by the old continent. In addition to webradio, we have a 5940 kHz Shortwave broadcaster from Holland, with 1 kW of power, covering much of Europe.

The programming of the station is quite varied, and here you will hear from MPB, National Rock, Samba, Country, among other national styles. This way, we bring you a great variety of music, with lots of humor and information, for an audience not only Brazilian, but also Belgian and European. ASBL Onda is a member of HFCC, an international organization for shortwave radio frequency coordination, in addition to the Geneva-based ITU." (translated from Portuguese at <<https://ondaasbl.wixsite.com/home/a-radio>>

(N.B. Voz Missionaria, Brazil also uses 5940 kHz, though off channel around 5939.7 kHz)

(Via Alan Pennington-UK, BrDXC-UK newsgroup iog, wor)

QSL Radio Onda, 5940 kHz from Radio Onda shortwave at location Borculo, The Netherlands.

Radio Onda. Stevens Delammoy 22. 1020 Bruxelles, Belgium, Europe  
con QSL allegata in 10 giorni per rapporto inviato a <ondaasbl -at- hotmail.com> v/s Julio Roth. (Via Roberto Pavanella-ITA, wor Jan 15 & Top News Jan 27 )

## UNITED KINGDOM

The BBC has confirmed details of how it will continue to reduce costs in its news division and how it will affect the service offered to viewers and listeners.

According to the announcement, 450 jobs will be cut, with more journalists to be based outside of London, as the BBC newsroom is reorganised along a 'story-led' model, focusing on news stories more than on programmes or platforms.

The move is designed to stop staff working on different programmes potentially duplicating work. The overall number of stories covered by BBC News will be cut, but outlets including the BBC News channel will be retained, as it is using and creating content that can be used by the rest of BBC News.

There will be further investment in digital news, with a new version of the BBC News app, which will be more intuitive, more visual, and with increased personalisation.

The cuts are needed as the BBC tightens its belt to afford the cost of delivering free TV licences to over 75s with Pension Credit. The BBC has so far resisted to take on the cost for other over 75s as it would force more cutbacks.

The BBC, as public service broadcaster, is required to maintaining its news provision on a variety of platforms, which adds to its operating costs. Earlier today, it confirmed that the BBC Red Button digital text service, which provides access to BBC News and BBC Sport news articles on TVs, would be kept on-air for the benefit of elderly and disabled viewers unable to access the internet for news.

World Update on World Service English will be closed, alongside other schedule changes. This is in addition to the changes to Asian language services outlined last year.  
(Via RXTV-Dan Wednesday January 29 2020)



# BROADCAST NEWS

Editor

Bryan Clark

Mangawhai

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## WCNZ 1660 OFF AIR, MORE ON MALDIVES MW REACTIVATION

### ALASKA

- 620 KGTL Homer has change of slogan & group to "The Answer 620 AM".
- 840 KPEN Kenai – Construction Permit (CP) for new station (U1 10000/1900), applies to amend CP to U1 5000/1900.
- 960 KABN Kenai – CP for new station (U1 5000/2500), applies to amend CP to U1 1000/1000. (thanks to NRC "DX News")

**ARMENIA:** Another programme with target area Middle East is now using the Gavar/Noratus site in Armenia. While Iran International (TV audio) can still be found on 1395 since weeks almost 24/7, the Arabic language outlet of Trans World Radio has begun to broadcast via 1350 AM from Armenia just recently. Their religious shows are aired via this new frequency until late at night (at least from 2100–0100 or so) from a directional antenna towards Middle East. An image at the top of their website <http://www.arabicprograms.org/main.php> is announcing 1350 as a new reception possibility. Before, closure of this frequency was at 1915 with the ending of the Hebrew and English program. I am wondering: Does this new offer for people speaking the Arabic language has something to do with the switch-off at 1233 Cape Greco site, Cyprus earlier this year? However, this helps to improve the reception of the Arabic TWR outlet in that region. ("Robert" via Ydun's Medium Wave Info 12/19) According to an updated list, broadcasting time of the Arabic programs on AM 1350 [TWR Gavar] for Middle East is from 1930 until 2155. They also transmit "Dardasha" which can be heard on BVB via shortwave too. (Robert D, mediumwave.info 12/19 via IRCA)

**AUSTRALIA** Listeners to Nowra-based Radio 2ST (**999 AM**) could soon be enjoying clearer and higher-quality audio under a proposed move from the ACMA. The proposal would see 2ST move from its current AM radio frequency to a new FM transmission, and 2UUU permitted to increase the power of its transmitter at Shoalhaven Heads. The changes are part of a project converting commercial radio stations in certain regional areas from AM to FM, which provides better sound quality and can be more cost effective for station operators. Submissions on the Nowra proposal are due by 28 February 2020. If the ACMA approves the conversion, the timing of the transition will be decided by the broadcaster. (Richard Jary ICDX IO Group) 2AD Armidale **1134** is also moving to FM. (Todd Emslie ICDX-AM IO Group) Rete Italia Melbourne **1593** did close, but only to be replaced by Niche Radio Network, which actually takes part programming from Rete Italia, along with other foreign language programmes. It is possible that when **1539 kHz** Rete Italia Sydney closes, it may be replaced in a similar way. (Robert Copeman ICDX AM IO Group)

**BENIN** Sérakou started testing with 35 kW on **1476** in November. The same Sérakou site as 1566 kHz, but 1476 kHz is beamed to Nigeria. Also relays ELWA. Next they will test with 100 kW and start regularly in February with 200 kW. [Mauno Ritola, ARC mv-eko via NRC DX News]

## CANADA

- 1050 CJNB North Battleford SK slogan change to “Saskatchewan’s Country.” (John Wilkins NRC)
- 1060 CKMX Calgary AB format now talk ex comedy. (IRCA) [But see Trail item below. BC]
- 1070 CHOK Sarnia ON format change to C&W. (Paul Snider NRC)
- Radio broadcasting in Canada (in fact North America!) is 100 years old. XWA Montreal commenced broadcasts on 1 December 1919. It later became CFCF and carried on for many decades before giving over to FM. KDKA Pittsburgh was second on the air on 2 November 1920. KJR Seattle, which had been operating as experimental station 7XC, was the first in the Pacific Northwest to be licensed in 1921. (Northwest Broadcasters <http://nwbroadcasters.com/> via NRC)

## COLOMBIA

- 590 HJCR Impacto Radio, Medellín, ex Volvamos a Dios Radio. (Santiago San Gil via Mauno Ritola, ARC via IRCA)
- 1130 Emisora Riomar has been noted drifting. On 8 November the frequency was at 1130.58. (Russ Edmunds via MW Offsets IO Group)
- 1340 HJFB Bogota is now RCN Amor Bogotá and identifies as: “RCN Amor Bogotá 13-40 AM, Los Años Maravillosos.”. (Mauricio Molano Spain via Real DX IO Group)

**GUAM** KUSG Agana on 1350 was silent, has reactivated with Talk and slogan “The Point”. (IRCA)

## HAWAII

- 550 KNUI Wailuku has format change to C&W; slogan to “K-Country.” (NRC) Slogan now “K-Country 100.3 FM and 550 AM”. (IRCA)
- 1080 KWAH Honolulu went silent on 20 November for technical issues. It has applied (again) to correct coordinates to 21-19-27/157-52-47; was granted a now expired CP for this in 2015 but never completed the paperwork. (NRC)
- 1370 KUPA Pearl City went silent on 1 December due financial difficulties. (NRC)

**MALDIVES** Re Dhivehi Raajjeyge Adu (Voice of Maldives) on 1449 kHz, I had noticed that the start of transmissions from their new site would be likely at the end of 2019, so I had monitored their AM 1449 channel quite frequently and finally was successful in hearing the new station on Arctic SDR in the morning of 8 January. When listening to my recording @0100z I immediately heard the beautiful National Anthem “Qaumii Salaam” just after the UK one had followed the “Shipping Forecast” over BBC Radio 4 from Redmoss! The channel is challenging, giving BBC, two commercial stations from Japan, Iran, and Saudi Arabia. I heard Micronesia once. There are also North American stations on 1450 to reckon with. My email report soon had a reply from the Chief Technical Officer saying: “It is really unexpected and surprising to know that you received our medium wave radio service on 1449kHz. We just started the service as a test transmission after a long break of service roughly for one year. We have changed the transmitting site from the capital city Male’ to a nearby island called Thilafushi. If you could login to Google Earth and check geo location 4°10’58”N 73°25’45”E you will notice the ground radial of the station. Just to add more to your information; we’re radiating 25Kw on analogue radio service and the transmitter is ready for digital radio on DRM as well. Once we are satisfied with the coverage, we will start the digital radio service.” (Svenn Martinsen via DXing.info Facebook Page)

1449 Dhivehi Raajjeyge Adu (Voice of Maldives) has begun service 29 Dec. 2019 from its

brand new 25 kW Nautel transmitter and the antenna field installed at Thilafushi island, 7 Km from Male, the Maldivian capital city. Heard in Norway 31 December via remote <http://kongsdr.ddns.net:8074/> (Reidar Bø in DX-Listener's' Club Facebook group via ARC mv-eko 13/1 via Glenn Hauser's WOR IO Group)

**MOROCCO** It seems that Oujda has moved further away from its nominal 594 frequency . Noted on **595.8983** while camping in central Morocco. (Swiss DXer Udo Isaenko reporting to MW Offsets IO Group on 31/12)

**PUERTO RICO** (via NRC's "DX News")

- 810 WKVM San Juan granted STA extension, parameters at variance (using U3 25kw day & night.
- 870 WQBS San Juan granted STA extension, U1 1250/1250 or parameters at variance.
- 910 WPRP Ponce applies for CP for U1 4250/4250, diplexed with WLEO-1170 at new site 17-58-52/66-36-49.
- 1160 WBQN Barceloneta-Manati granted STA extension, U1 1.55kw day & night.
- 1240 WALO Humacao granted STA extension, U1 1kw/5kw due Dominican Rep. QRM.
- 1520 WRSJ San Juan granted STA extension, U1 1kw/1kw or parameters at variance.

**RUSSIA** Broadcasting in Russian on medium waves in Russia / Pridnestrovie:

Vesti FM round the clock / 1413 kHz / 500 kW / Mayak (Pridnestrovie)

Pravoslavnoe Radio of St. Petersburg

02.00-06.00 & 14.00-18.00 UTC / 828 kHz / 10 kW / St. Petersburg (Olginio)

Radio Gazeta "Slovo"

06.00-14.00 & 18.00-02.00 UTC / 828 kHz / 10 kW / St. Petersburg (Olginio)

Radio Maria

07.00-11.00 & 15.00-19.00 UTC / 1053 kHz / 10 kW / St. Petersburg

Radio Radonezh

16.00-21.00 UTC / 684 kHz / 10 kW / St. Petersburg (Olginio)

Radio Vostok Russii

The broadcasting direction is Khabarovskiy kray. 21.00-12.00 UTC / 765 kHz /

20 kW transmitters at Khabarovsk & Komsomolsk-on-Amur plus 5 kW transmitters at Berezovy, Bikin, Bogorodskoye, Chegdomyn, De-Castries, Krasnoe, Sovetskaya Gavan, Troitskoe, Vyazemsky Yagodny & Zimmermanovka

(Handbook "Broadcasting in Russian. B19: Fall 2019 - Spring 2020 via Glenn Hauser's WOR IO Group) Glenn surmises that the above may be the \*only\* surviving MW stations in all of Russia, except possibly some for external services; corresponding to page 339 of WRTH 2020.

**USA** (items from IRCA's 'DX Monitor' magazine)

- 630 KWRO Coquille OR new slogan: "NewsTalk 630 - 101.1 KWRO".
- 730 KYVA Billings MT format now oldies, slogan: "98.1 K-Bear".
- 770 KKOB Albuquerque NM now using slogan "96.3 News Radio KKOB".
- 780 KCEG Fountain CO returns w/classic country, slogan: "Timeless Country".
- 800 KBFP Bakersfield, CA format was comedy, now talk
- 830 WCCO will no longer air CBS News on the hour. They had already been chopping it off at 3 minutes. . WCCO remains CBS affiliate. (Jon Pearkins)
- 840 WHAS Louisville KY using new slogan "NewsRadio 840"
- 850 KHOO Tacoma WA prepared card in 12 days, signed by Illegible [report mailed to GM]. Address is 645 Elliot Ave W, Suite 400, Seattle WA 98119. (Martin Foltz CA)

- 860 KTRB San Francisco CA QSled by Mike Russell, Engineer on prepared card in 41 days. Address: 39650 Liberty Street, Suite 340, Fremont CA 94538. Mike is also verification signer for KFAX 1100. (Martin Foltz CA)
- 890 KJME Fountain CO format now oldies, slogan "Oldies But Goodies".
- 960 WSVU North Palm Beach FL format now classic rock, slogan "The Surf",
- 1000 KOMO Seattle WA has tweaked slogan – now "KOMO News",
- 1050 KRMV Killeen TX new slogan "Gospel 1050".
- 1230 WFAY Fayetteville, NC using new slogan: Carolina Country 100.1 WFAY"
- 1230 WMAF Madison FL format now classic country, slogan: "1230 Country".
- 1230 KELY Ely NV adds slogan: "Where Nevada Comes to Talk"
- 1240 KJAA Globe AZ new slogan: "Arizona's Jukebox".
- 1250 KLLK Willits CA now Classic Hits // 1400 KUKI Ukiah CA. (Mike Sanburn)
- 1300 KROP Brawley CA returns w/Contemporary Christian and Spanish religion, slogan "Keeping God Before All"
- 1340 WTYS Marianna FL was silent, reactivated with classic country format.
- 1340 WIFN Atlanta GA has new slogan: "The Sports X 1340 AM and 103.7 FM".
- 1390 KHOB Hobbs NM format now news/talk, slogan: "Newstalk 1390".
- 1400 KWYN Wynne AR adds slogan: "KWYN 1400 AM".
- 1400 KVOE Emporia KS new slogan: "AM 1400 Live And Local".
- 1450 KONP Port Angeles WA has new slogan "NewsRadio KONP 1450 AM/101.7 FM/103."
- 1460 KBZO Lubbock TX format is now Spanish sports, slogan "TUDN Deportes".
- 1470 WMGG Egypt Lake FL format now Spanish.
- 1560 KKAA Aberdeen, SD reactivated w/country as "Pure Country 107.1/99.9"
- 1570 KCVR Lodi CA format now Spanish sports, slogan: "TUDN Deportes".
- 1590 KEKR Mexia TX format now classic country, slogan: "Kicker 99.3"

USA It turns out KZGD, broadcasting on **1390** kHz from Salem, Oregon is no longer running the "regional Mexican" format listed on all the usual online sites. Instead, it recently joined a small network of Pacific Northwest stations running a contemporary Christian format in Spanish. It took a couple nights to hear the full English ID that runs one minute after the top of the hour, but I finally caught it. Other stations in this "la Estacion de la Familia" network that are mentioned in the ID include KBRO [1490] and KLDY [1280], which are both in the greater Seattle area. This station officially runs only 690 watts at night, but it seems to dominate 1390 after dark at my place northeast of Seattle and 200+ miles from Salem. (Eric Fetters-Walp via Glenn Hauser's WOR IO Group 15/1)

Legendary KLIV **1590** San Jose CA isn't dead, it looks like it's going to sputter back to life. KLIV will be getting a Special Temporary Authority (STA) for 500 Watts from a wire antenna to be located in a residential neighbourhood at 556 N 16th Street, San Jose. One end will be attached to a temporary portable tower, the other end is going to be attached to a tree. This is to keep the licence alive while a sale is in the works to Pham Radio Communications which also owns KVVN 1430 Santa Clarita CA (Paul Walker Jr via Mike Sanburn via IRCA IO Group 14/1)

## **X-BAND REPORT**

**AUSTRALIA** (Updates from Ian Baxter via MWMasts IO Group)

- 1611 Peter Tate's previous X-Band station that once operated from the Gold Coast, Qld is now back on air from the rural township of Wee Waa, NSW. [See <http://www.stationx.com.au/> which says they are testing very low power. BC]
- 1620 Rete Italia, Wangaratta is still off air.

- 1629 Rete Italia, Shepparton is back on air. Seems to be exactly on frequency. TX site still unknown.
- 1629 Radio Nostalgia, Melbourne has been back on air for a couple of months now. [www.facebook.com/Radio-Nostalgia-Australia-2305782966365630/](http://www.facebook.com/Radio-Nostalgia-Australia-2305782966365630/)
- 1629 Vision Christian Radio, Bathurst is now back on air.

CANADA CHHA Toronto **1610** has applied for construction permit to increase powers - U4 10kw day & night. (NRC)

USA

- 1640 KZLS Enid OK steady in WSJP null. "The Eagle" mentions with Talk format. (John J Rieger MI via NRC)



- 1650 KFSW Fort Smith AR has change of format to Gospel, slogan to "98.7 The Cross." (NRC)
- 1650 KSVE El Paso TX format was regional Mexican, now Spanish sports, new slogan: "TUDN Deportes" (IRCA)
- 1660 WCNZ Marco Island FL went off air late January due to the building housing transmitters for the station and WVOI 1480 AM burning to the ground. No persons were present when the fire occurred and cause of the blaze is not known. Both stations were broadcasting programs from the Relevant Radio Catholic network. The current owners of both stations, Immaculate Heart Media Inc have not decided the future of the stations as yet. (Paul Walker Jr via Mike Sanburn via IRCA)
- 1680 KGED Fresno CA slogan now "Talk Radio 1680". (Wayne Heinen NRC)
- 1690 WMLB Avondale Estates GA – silent since 27 January 2019, back on air 14 January but silent again 16 January due continued financial difficulties. (NRC)

QSLs received by Artur Fernández Llorella (<http://maresmedx.blogspot.com.es/>)

- 1660 WBCN, full detailed E-letter in 10 days. v/s Brad Humphries, Market Director of Engineering.
- 1700 KBGG The Champ, 1700, full detailed E-letter in 1 day. v/s Cassidy Manetta, Promotions Manager.



## KINGS OF THE KILOCYCLES

**SUTTON BURTENSHAW Hamilton** contributes a couple of Trail items heard on the League SDR. He adds “I did of course hear more stations but they had recently featured in the column or I suspected I knew who they were (nothing startling) but without positive ident I decided not to record them.” *[Every item helps Sutts! Thank you! BC]*

**TONY KING Greytown** also contributes to our Trail this month. *[Thanks Tony! BC]*

**MIKE SMITH Opunake** is looking forward to a few days in Matarangi in mid February and hopes to have room in the car for the travelling loop and maybe a coil of wire. He has a few observations for the trail. “While looking back through some old QSLs I found a 1985 letter from the CE of KDIA 1310, John Rolih, in response to a report to KFYI programming heard on 910. He said “The station you heard on 910 was indeed KFYI, but not the original. The call letters were sold to KJJJ in Phoenix. It was their programming you heard. As you noted, 910 in Oakland is assigned to KNEW. KFYI remained on air in Phoenix for 4 months but closed with a big pile of unpaid bills. The former owner will get the station (and it’s debt) back soon and should be back on air in September 1985.” I never cottoned on to the fact that it was actually a QSL or counted the response in my collection. Have now, and I see KFYI still occupies 550 in Phoenix.” Mike adds: “I used Google Translate on the FB messenger reply I got from Brazilian Radio Deus e Amor 1060, in response to a follow up request for a QSL. One sentence says “We are happy with your contact”. The rest is religious quotes and comments. Not sure whether it is meant in a personal sense or is just generic but I will count it as confirmation. *[Agree Mike – the tape “proves” it too. BC]*

**BRYAN CLARK Mangawhai** has a few Trail items too – the excessive heat is this month’s excuse for not having progressed the new antenna farm. 40 metres of conduit for leads to be dug in as step 1!.

## MEDIUM WAVE TRAIL

**TK** Tony King, Greytown with Tecsun PL380 and a flock of EWE’s;  
**SB\*\*** Sutton Burtenshaw, Hamilton listening on DX League Bay of Islands SDR;  
**MWS\*\*** Mike Smith Opunake DXing on the DX League’s Bay of Islands SDR;  
**BCM\*\*** Bryan Clark Mangawhai listening on the DX League’s Bay of Islands SDR.

670	0816	USA WSCR Chicago IL nicely up w/ident “..here on 6-70 The Score...number 1 sports station in Chicago”. Earlier KBOI on “Red Eye Radio” talk show had been the dominant signal 3/1 BCM**
690	0832	MEXICO XEWW YL w/CC talk. + UNID w/music 23/1. TK
740	0735	HAWAII KCIK poor with “Relevant Radio” IDs 14/1 MWS**
750	0750	ALASKA KFQD Anchorage good w/“Ground Zero” talk show 3/1. Advts 0758, ident & jingle “Newstalk 7-50 KFQD AM” on hour, then nx. BCM**
819	1704	NORTH KOREA DPRK Pyongyang fair with military music 22/12 MWS**
850	1705	ALASKA KICY Nome w/Christmas music, good sig 22/12 MWS**
880	0737	HAWAII KHCM fair in Chinese 14/01 MWS**
891	1719	SOUTH KOREA HLKB KBS1 mixed KK talk 22/12 MWS**
945	1721	CHINA CNR1 assumed Jiaohe CC talk 22/12 MWS**
972	1722	SOUTH KOREA HLKA KK talk, weak/mxd 22/12 MWS**
1010	0811	USA KIQI San Francisco CA in SS w/ident at 0900 as “KIQI San Francisco” 27/12. BCM**



- 1010 0821 CANADA CBR Calgary AB sharing freq with KIQI tonight 27/12, peaking good w/The World, news reports from around the world. BCM\*\*
- 1017 0914 TONGA A3Z Nuku'alofa w/talk over 3ZB 22/1 TK
- 1040 0841 HAWAII KHLT Honolulu w/ 'K-Lite" ident, Choral items 4/1 TK
- 1060 0835 CANADA CKMX Calgary AB good w/long-time comedy format with Jerry Seinfeld, ident break-in 0835 "Calgary's 10-60 AM" 30/1 despite IRCA report that is now talk format. BCM\*\*
- 1089 1724 CHINA CNR6 presumed strong CC talk 22/12 MWS\*\*
- 1125 0918 VANUATU Radio Vanuatu w/ some reggae and Taylor Swift music, then bottom of the hour ident followed by lots of talking with words in English liberally scattered through. Top of the hour ident followed by Pacific Island Forum and other news 9/1. SB\*\*
- 1125 0750 VANUATU strong with John Denver music 14/1 MWS\*\*
- 1140 0845 CANADA CHRB High River AB Hymns/orchestral. 4/1 TK
- 1170 1725 SOUTH KOREA HLSR KK talk, strong signal all alone 22/01 MWS\*\*
- 1200 0909 USA WOAI San Antonio TX "News Radio 1200 WOAI" 16/1 TK
- 1310 0910 USA KTCK Dallas TX over KMJK in Asian lang. 2/1 TK
- 1260 1727 JAPAN JOIR weak but in the clear 22/12 MWS\*\*
- 1377 1729 CHINA presumed CNR1 Xingyang CC talk fair 22/12 MWS\*\*
- 1410 0737 CANADA CFTE w/personal health matters and experiences discussed with participants then top of the hour commercials followed by ident, including "Bloomberg", "I Heart" and "CFTE" Local news then followed. 17/1. SB\*\*
- 1410 0845 CANADA CFTE Vancouver BC fair with talk 20/1 MWS\*\*
- 1460 0905 USA KION Salinas ID: 'K-ION 1460, an Iheart radio Station' 18/1 TK
- 1467 1730 SOUTH KOREA HLKN fair KK talk 22/12 MWS\*\*
- 1570 0854 HAWAII KUAU Honolulu w/Religion over XERF 20/1 TK
- 1650 0838 MEXICO XEARZ Zer Radio w/ EZL orchestral over 2 on talk 22/1 TK
- 1650 0904 USA KBJD Denver CO with repeated SS ID Radio Luz. 28/1. TK



## NORTH AMERICAN X BAND AT-A-GLANCE 02/2020 (thanks to Tony King)

1610	XEUACH	Chapingo	MX	Radio Chapingo
	CHHA	Toronto	ON	SS 'Radio Voces Latina' Fq ID in SS & EE
	CHRN	Montreal	QC	South Asian Format. Radio Humsafar
1620	KSMH	W. Sacramento	CA	Rel. 'IHR (Immaculate Heart Radio) Sacramento'.
	R Rebelde	R. Rebelde	CU	(6 Tx ) SS .Distinctive 5 note chime on hour. Sync echo.
	WNRP	Gulf Breeze	FL	News/Talk Fox News "News Radio 1620"
	KOZN	Bellevue	NE	Fox Sport "The Zone"
	WTAW	College Station	TX	'Newstalk 16-20 WTAW' Takes C-to-C AM
	WDHP	St Croix	USVI	"ID 103.5 The Reef" Caribbean mx dominates.
	KYIZ	Renton	WA	Urban contemporary //KRIZ " Z Twins"
1630	WRDW	Augusta	GA	Silent. 07/2019
	KCJJ	Iowa City	IA	Oldies. " The Mighty 16-30 KCJJ"
	KKGM	Ft Worth/Dallas	TX	'Modern gospel music 1630 KKGM' IRN News
	KRND	Fox Farm	WY	SS 'regional mexican' ID "La jota La Mexicana"
1640	KDIA	Vallejo	CA	Talk/religious/life issues
	WTNI	Biloxi	MS	C & W. The Possum
	KZLS	Enid	OK	News/Talk
	KDZR	Lake Oswego	OR	Conservative Talk "Talk 1640"
	KBJA	Sandy	UT	'K-Talk KBJA'
	WSJP	Sussex	WI	Rel. Catholic. " Relevant Radio 1640 AM"
1650	KFSW	Fort Smith	AR	Contemporary Christian "98.7 The Cross".
	KFOX	Torrance	CA	Radio Seoul. Korean/ EE ID on hour
	KBJD	Denver	CO	SS Rel. Radio Luz
	CKNZ	Cedar Falls	IA	"The Sports Station" 1650 The Fan
	CKZW	Montreal	QC	Regional x CJRS
	CINA	Mississauga	ON	South Asian Format.
	KSVE	El Paso	TX	SS Spanish sports "TUDN Deportes"
	XEARZ	Mexico DF	MX	EZL orchestrals
	WHKT	Portsmouth	VA	GOS/rel 'Praise' slogan.
1660	KBRE	Merced	CA	AOR 'The Bear'
	WCNZ	Marco Is	CA	Relevant Radio (Currently off air)
	KWOD	Kansas City	FL	Sport/Talk " 'The Score'
	WQLR	Kalamazoo	MI	Fox Sports. "Kalamazoo 1660, The Fan"
	WBCN	Charlotte	NC	Classical Rock
	KQWB	West Fargo	ND	Fox Sports
	WWRU	Jersey City	NJ	Korean Gospel
	WGIT	Canóvanas	PR	'Faro Santidad' SS Religious
	KRZI	Waco	TX	'KRZI ESPN Central Texas'
1670	KHPY	Moreno Valley,	CA	SS religious . ESNE radio.
	KQMS	Redding	CA	"News Talk Airs C2C/Fox
	WMGE	Dry Branch,	GA	"Fox Sport Radio 1670 Georgia"
	CJEU	Gatineau	G	Community/Children's "Radio Oxygene 1670"
	WOZN	Madison	WI	" CBS Sports Radio "The Zone"
1680	KGED	Fresno	CA	News/talk ID slogan "Talk Radio 1680"
	WOKB	Winter Garden	FL	Rel/ UC "Gospel 1680" "inspiration Station"
	KRJO	Monroe	LA	"Classic Hits 1680 "LA105"
	WPRR	Ada	MI	Talk. Public Reality Radio
	WTTM	Lindenwold	NJ	now SS La Unica' <b>11/19</b>
	KNTS	Seattle	WA	SS rel.EE ID 00:10 after hr Radio Luz.
1690	KFSG	Roseville	CA	ID slogan ""AM 1680 The Answer"
	KDMT	Arvada	CO	Relevant Radio
	WMLB	Atlanta	GA	"Classic Hits 1680 "LA105"
	WVON	Berwyn	IL	Talk 'WVON Berwyn AM 1690"
	WPTX	Lexington Park	MD	Adult standards
	CHTO	Toronto	ON	C & W
	CJLO	Montreal	QU	Oldies.
	WGIT	Charlotte Amalie	USVI	News/talk. Nets NPR 100w.(05/19)
1700	WEUP	Huntsville	AL	Contemp Gos. 'Huntsvilles Heritage Station'
	WJCC	N. Miami Beach	FL	World ethnic.' Radio Mega 1700.'
	KBGG	Des Moines	IA	CBS Sport 1700
	XEPE	Tecate BCN	MX	SS relaying XESDD 1030 @ 07/19
	WRCR	Ramapo	NY	Community station. 250w 05/19
	KKLF	Richardson-Dallas-Ft	TX	Worth TX Tejano/Conjunto SS/EE 'Banda 13'
	KVNS	Brownsville	TX	Fox Sports Radio 1700'

# TV/FM NEWS & DX

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Greetings and welcome to the February column, as someone told me the other day it's only 11 months to Christmas. January has been a month of contrast, it started showing promise and the 15 January activity reached a peak sadly there has been little DX activity from across the Tasman since. We learnt a new word this season 'patchy'.



**Paul Ormandy** takes pride of place this month with his logging and QSLing of Pulse FM Hobart transmitting with a power of **ONE WATT**. Paul's logging proves that if the conditions are right a signal can be heard regardless of power. This is a Low power open narrowcasting (LPON) station similar to our LPFM.

**David Ricquish** reports that a new station has appeared on the scene in Christchurch, C105.7 operated by NZME. They are using Pulzar FM's frequency which has taken over Flava 93.3. The C105.7 music format is easy listening. *[I suspect that the change was made in response to Magic Talk and Music flipping frequencies, transmitter site probably Huntsbury Hill(ed)]* Ye Ed has noted a name change for the NZ Broadcasting School 96.1, they currently identify as **OK Boomer** with a playlist catering for Baby Boomers.

Time to dive into the mailbag:

First up is **Dave Dwyer, Christchurch** who makes a welcome return: He writes that he still enjoys an FM opening his logs include:

31 December 2019: 91.7 03.15 ABC Radio Tasmania, 93.9 04.10 ABC, CFM Hobart, 94.1 04.16 Breeze Wellington

10 January 2020 92.6 21.30 RNZ Concert Dunedin, ZM 96.3 21.50 South Canterbury

14 January 2020 92.5 20.40 ABC News Radio NE Tasmania, 95.7 23.00 7SD.com 101.5 23.26 Triple J Canberra, 101.5 23.33 "Great Lakes FM" 2GLA

18 January 2020 89.9 10.20 "South Canterbury and Waitaki Breeze", "95.7 10.28 "The Saturday Mix 7SD.com" *[Nice to hear from you, Dave]*

**Paul Ormandy, Oamaru**

4 January 2020

Very patchy opening, sporadic E almost certainly. Stations were dropping in and out, some heard off and on over a long period. Started in Canberra, then spread to E Riverina, Tamworth before skipping right past Victoria and into Tasmania.

87.5 UID fading in and out with rock and rap music

89.1 0645 2ABCRN SW Slopes/E Riverina

89.7 0647 2PNN Bega/Cooma

90.5 0746 7PNN Burnie (listed 1kW)

90.7 0647 2JJJ SW Slopes/E Riverina  
90.9 0700 2PNN Illawarra "This is ABC News Radio"  
90.9 0738 7JJJ NE Tasmania  
91.1 0635 1CMS Canberra  
91.5 0636 2PNN SW Slopes/E Riverina  
91.7 0716 2PNN Tamworth  
91.7 0820 7NT NE Tasmania  
92.5 0848 7PNN NE Tasmania  
92.7 0629 1ART Canberra, show mx // web feed  
92.9 0741 7JJJ Hobart, still hanging in 30 mins later  
93.3 0750 7ABCFM NE Tasmania  
93.9 0717 2ABCRN Tamworth  
93.9 0743 7ABCFM Hobart  
94.1 0829 7ABCRN NE Tasmania  
101.5 0632 2JJJ Canberra  
102.3 0632 1ABCFM Canberra

15th January 2020 A big opening a Fantastic night. Started with audio on 87.8, a low power channel stayed tuned and was rewarded with my first LPON of the season, Pulse FM in Hobart. Managed to record an id. They just wouldn't go away and heard them again on retunes. Hobart stations were very dominant, some of them still going as I pull the plug.

ABCers 90.5, 90.9, 91.7, 92.1, 92.3, 92.5, 92.9, 93.3, 93.9, 94.1, 95.7, 96.7, 97.1, 97.7, 97.9, 100.5, 100.7, 101.5, 101.9, 102.1, 102.7, 105.3, 105.9, 106.1, 107.7, 107.9

**87.8 0454 7T47 Pulse FM, Hobart**

88.5 0832 7NT King Island (ABC)  
89.3 0746 7LAA Launceston, //web  
89.7 0437 7ABCRN Lileah  
91.3 0835 2MAC Campbelltown  
91.3 0836 7ABCRR Lileah  
92.1 0838 7XS Queenstown  
92.7 0635 2KY Sky Racing, Inverell  
95.7 0716 7SD Scottsdale  
96.5 0749 2UUL Wollongong "Wave FM" //web  
96.9 0725 2SYD Sydney "Nova FM"  
97.1 0715 7MID Oatland, Jazz //web  
97.3 0839 2ILA Illawarra (ABC)  
98.1 0638 2WIN Wollongong  
98.9 0646 7AD Devonport  
99.7 0706 7RGS Scottsdale "Chilli"  
100.9 0708 7TTT Hobart  
101.3 0823 2KY Sky Racing, Devonport  
101.3 0925 UNID //7TTT 100.9  
101.7 0441 7HHO Hobart RDS locked in  
102.5 0648 2MBS Sydney, classical mx "Fine Mus" on RDS  
102.7 0729 7NT Launceston (ABC R)  
103.5 0730 7RGS St Marys //99.7  
103.7 0649 7LTN Launceston //web  
105.3 0732 7WAY Launceston //web  
105.7 0442 7SBS Hobart (Thai)  
106.5 0709 7HFC Hobart  
106.9 9733 7RPH Launceston

107.3 0654 7XXX Hobart "Triple M"

107.7 0734 7DDD Devonport "Sea FM"

*[It sure was a great day Paul, congratulations on the Pulse FM logging. I was back at work so missed most of it.]*

**Bryan Clark, Mangawhai** Just a few items due lack of decent antenna - all times and dates are UTC:

19 December 2019

87.7 UNID LPFM popped up for a few minutes on music track 2307 UTC - heard on car radio at Wellsford.

BBC Fiji 88.2 up strongly 2310 UTC - heard on car radio at Wellsford.

1 January 2020

97.2 Trakside Radio Taranaki fair on car radio in Mangawhai at 2235 UTC.

7 January 2020

88.2 BBC Fiji at 0413 on car radio.

8 January 2020

On car radio at home in Mangawhai at 2245: 90.9 ABC News Radio, 94.9, 95.3, 95.7 ABC Classic FM, 96.3, 96.5, 96.9, 97.3, 97.5 SBS Italian, 98.9 Triple J, 102.1, 102.5 2MBS Sydney, 102.9, 107.3, 107.7 Gosford.

9 January 2020

On car radio at home at 0538 UTC - Aussies on 107.3, 95.3 classical, 92.5, 90.9 commercial, 89.3.....

On car radio at Mangawhai Heads, 98.0 Whangarei confirmed as now carrying The Sound, with Mai FM taking over 107.3 LPFM.

12 January 2020

2312 UTC: 89.7 ABC News patchy past 2330 // 90.9 at 2315 better; 95.1 at 2322 news radio patchy, past 2336; 95.5, 95.7 and 90.9 at 2355.

17 January 2020

Sitting in car at PaknSave Silverdale with pops fading up and down on 89.9 - perhaps Norfolk Island? While in Auckland for 5 days I monitored the mystery Indian on 89.7. Widely heard in West Auckland from Titirangi out to Westgate. Plus high elevations on the North Shore. Lost in Onehunga and Auckland Central so appears to originate somewhere in West Auckland. Non-stop Indian pop vocals with no anncts caught so far. Isn't parallel to AM 990 or 1386. Not a legal operation. *[Thanks, Bryan, good that you've managed to get some DX done.]*

**Brian Withers, Napier**

2 January 2020 Started with Norfolk Island on 89.9 strong at 2.56pm. Then by inland Eastland came up stronger. Then at 4.55pm Australia FM started coming in. Grafton 90.7 2PNN news radio, 91.5 JJJ, 92.3 ABC Mid North Coast with special talking on bush fires around state.

94.7 JJJ Tamworth. 95.5 ABC Mid North Coast Port Macquarie, 96.3 JJJ, 97.1 ABC National, ABC Classic 98.7.

Gold Coast 92.5 Gold Coast FM, 94.1 Jazz FM with news & the id & music, JJJ 97.7, 99.4 Rebel FM Very weak, 102.9 Hot Tomato FM & heard the say highway 2 Gold Coast warning, 88.5 ABC Classic, 88.0 Beach FM bad interference from local Small FM on 88 in Napier. Last to be heard 4CBA 88.3 with old pops all gone by 7.15 NZ summer time.

27 January 2020 in our morning before 8.45 am when I had to go to work heard Reporoa /

Rotorua The Hits 90.8 fair signal, 92,4 Sounds poor, Magic talk 98 very weak with QRM from Iwi station on 98.10 Eastland area.

In evening New Plymouth lifted with RDS working on 93.2 & all others from that area coming in at different signal levels. Hamilton lifted too including Radio Tainui 95.4 poor including The Rock 93.00, 89.8 & 97.0 plus my normal stations from that area too.

28 January 2020 A good lift to Palmerston North with RDS working on concert 89.00 & others & hearing Radio control 99.4 very poor. for the first time in morning.

Nad tuner with 8 elemental FM aerial H. The other V aerial not good at picking signal up on DX.

### Finally from **Paul Rawdon, Christchurch**

12 January 2020 Turned out to be an exceptional day, one of the biggest openings and longest durations I've experienced. Receiver SDRplay RSP1A, 5 element Yagi  
Times UTC

0540 50.080.1 FK8SIX Noumea 6 metre beacon first time heard  
0650 50.110 Several VK2 Hams weak  
0712 89.9 The Breeze Timaru fair

#### 0752 – 0926

90.9 2PNN Illawarra over ZM Southshore strong  
91.1 UID News weak  
91.7 7NT over the Mix Southshore  
92.5 7PNN NE Tasmania  
93.3 7ABC NE Tasmania over Flava Southshore  
93.9 7ABC Hobart Strong  
94.1 7ABC NE Tasmania  
95.7 3PNN Latrobe Valley  
95.7 7SD Scottsdale Strong  
96.7 3JJJ Latrobe Valley  
97.1 7MID music //web stream  
98.9 7AD Devonport Strong  
99.7 7RGS Chili FM Scottsdale  
100.7 3GLR(?) Latrobe Valley  
100.9 UID interfering with Voice of South Pole  
101.5 3ABC Classics Latrobe Valley  
102.1 Two ABC stations mixing  
102.7 3ABC Classics Mildura/Sunraysia Strong with opera  
103.3 UID weak

#### 2041 – 2355

90.9 2PNN Illawarra Strong over ZM Southshore  
91.5 2JJJ Grafton/Kempsey  
92.3 2MRR Grafton/Kempsey through splatter from More FM 92.1  
92.5 7PNN News Radio  
95.5 2MRR ABC Mid North Coast good  
95.7 2ABC Classics Illawarra Strong  
96.3 2JJJ Manning River  
96.7 3JJJ Latrobe Valley  
97.1 2ABC Manning River  
97.9 2ABC Grafton/Kempsey through splatter from 97.7  
98.1 2WIN i98 Wollongong

98.7 2ABC Classics Manning River  
101.5 2GLA Forster weak  
102.1 2JJJ Newcastle  
102.9 2MMM Newcastle

13 January 2020

0121 – 0203

96.5 2UUL Wave FM completely obliterated The Hits Southshore  
97.3 2ILA Illawarra Like a local  
98.9 2JJJ Illawarra Like a local

15 January 2020

92.5 0930 while mobile from Papanui to North New Brighton a monumental battle between RNZ Concert Wellington, Hokonui FM, Ashburton and 7PNN NE Tasmania.

Thanks for your contributions, what started out as a quiet month showed that the only predictability in our hobby is its unpredictability. Until next time take care.



**Ray Crawford** sent me a link to an interesting article on [radioinfo.com.au](http://radioinfo.com.au) about the fate or state of radio stations affected by the recent bush fires. It said:

Nearly 80 community radio stations are broadcasting in fire affected areas of Australia.

With around 450 stations in the sector, community broadcasters are represented in most larger towns in Australia. Many of them are staffed by small handfuls of volunteers who keep the station on air in normal circumstances, but during the current bush fire situation, many of those stations are facing severe pressure on their people and resources.

The Community Broadcasting Association (CBAA) has been in contact with many of the stations in affected areas and tells radioinfo that, thankfully, most don't have a lot of damage to their property or equipment, but they are struggling with exhaustion and reduced volunteers to broadcast live shows from the stations.

Many community stations are located in protected areas at the centre of their town and often have their transmitters atop their building, so the infrastructure threat has not been as serious as might be expected. However the cost to people has been high.

Several stations, some of which asked not to be named, have told radioinfo that members have resigned or taken time off due to exhaustion. In one case broadcasters were on air while their houses were burning down.

**2EAR** in the Eurobodalla shire, which includes Batemans Bay, was not as lucky as some. Its transmitter on **FM 107.5** was destroyed by fire on 31 December. Station Manager Kathy Shields says the station is in the process of getting a new antenna with help from the CBF for emergency grant funding. The transmitter wasn't insured as it was in a location where insurance rates were too expensive for the station to afford.

Shields told the CBAA: "Everyone at the station has been very shaken as a result of the fires.

but this disaster has also united the community.”

These stations are closely linked to their communities, drawing their announcing, producing and support volunteers directly from the towns where they broadcast. Almost everyone in the worst hit areas knows someone who was injured or killed in the fires, or had their house burnt. Most are very shaken but are bravely continuing to give information as the fire threat continues.

In Mallacoota, another area hard hit by the fires, **3MGB** was off air for a short while, but is now back on air and online as the station's 20 volunteer presenters struggle to keep programming going as best they can.

In Canberra **1Way FM** is reported to be off air and the station has been evacuated.

Stations in the worst hit areas report that their teams are stressed and traumatised by the events that they have had to cover. *[Not surprising at all - out thoughts are with them.]*



*I wonder how these ones got on? Top is Peak FM 88.5 in Peak Hill, NSW. The bottom one is 2YYY 92.3 in Young, NSW.*

*Photos taken by Ray Crawford.*



# UTILITIES

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A good number of contributions this month with one Unid on 5170 Khz reported by Brian Carr of Christchurch. I had a listen to the frequency one morning after receiving Brian's log on the Northland SDR and the woman was talking in what sounded Chinese. Reception was quite good. Be interested to see if anyone can help ID this station please.

## **FREQ UTC DETAILS OF TRANSMISSION**

518	1420	NAVTEX message received from Honolulu for Hawaiian waters 04/1 MJ
5170	1730	Unid Meteorological station broadcast in Cantonese 04/1 BC
5170	1850	Unid woman in lang still on frequency at 1900 UTC ABD**
5450	0815	RAF aviation weather poor 20/1 ABD
5505	0810	Shannon volmet woman with aviation weather fair 20/1 ABD
5505	0928	Shannon VOLMET with weather for Bergen 12/1 MJ
5574	0739	San Francisco working United 1430 with a SELCAL check on ERHS and advising secondary is 8843 13/1 MJ
5643	0752	Qantas 147 wkg Auckland report at flight level 370 21/1 ABD
5643	0804	Velocity 64 wkg Auckland report position selcal check 21/1 ABD
5643	0812	Jetstar 129 wkg Auckland position report selcal check 21/1 ABD
5643	0820	Jetstar 145 wkg Auckland position and flight level 350 21/1 ABD
5643	0836	MU707 wkg Auckland position report 21/1 ABD
5643	1934	Kiwi 311 calls Auckland and advises they are CPDLC and SELCAL check on LMDJ (C130H NZ7002).22/1 MJ
5643	0931	Delta 40 requests deviation L/R 75 nautical miles with SFO 12/1 MJ
5643	0930	Velocity 147 wkg Auckland who is requesting climb non-standard FL380 12/1 MJ
5649	0933	Shanwick advises aircraft to call Iceland at 61N 12/1 MJ
5670	1423	Colombo wkg Qatari 5TC (Auckland-Doha) asking if they are CPDLC and on airway R461 maintaining FL340. Aircraft response not heard but Colombo sends a SELCAL check on EGLP (A7-BBL B772) 17/1 MJ
5687	2055	Orion 06 calls Auckland for a SELCAL check and check is good on BGDH 20/1 MJ
5687	0711	German Air force 011 working unknown ground station but receives a SELCAL check on GKJP which may be a C160 Transall registration 50+53 16/1 MJ
5694	1035	A rather brief transmission which I think is Murmansk advising KLM862 (Narita-Amsterdam) to call a VHF frequency of 122.7. This is as the flight is approaching the north Norwegian coast from the Barents Sea. 18/1 MJ
6547	0906	Shanwick wkg Ukraine International (AUI) 232 (JKF-KBP) 12/1 MJ
6547	0903	Shanwick wkg various aircraft with SELCAL checks 12/1 MJ
6556	0920	Brisbane wkg Singapore 286 12/1 MJ
6586	0732	New York wkg United 860 as it makes its way from Sao Paulo to New York 18/1 MJ

6604 0730 Gander VOLMET 18/1 MJ  
6628 0926 Santa Maria wkg Avianca 120 (BOG-LHR) 12/1 MJ  
8831 0916 Flightwatch wkg Border Force 55 12/1 MJ  
8861 2016 Philippines 215 (Manila-Port Moresby) wkg Moresby Radio with position report and estimates 20/1 MJ  
8867 0353 Velocity 162 wkg Auckland selcal check 20/1 ABD  
8867 0354 Qantas172 wkg Auckland position report 20/1 ABD  
8867 0132 Nadi wkg UPS34 with a SELCAL check on BMAQ (B744 N574UP) 22/1 MJ  
8867 2027 Auckland SELCALs BGDH (RNZAF P3K2) and asks KIWI560 if they intend descending to FL120 at their next waypoint. KIWI 560 advises they will request descent when they reach the waypoint 13/1 MJ  
8867 2244 Auckland wkg SIA285 (SIN-AKL) advising continue CPDLC and SELCAL check on BPHS (A388 9V-SKI) 12/1 MJ  
8867 0034 Qantas 121 wkg Auckland gave flight level 380, selcal check good 30/1 ABD  
8867 2222 VH-OMN wkg Auckland and is advised primary secondary HF 8867/5643 and is to report maintaining 9,500 feet 12/1 MJ  
8867 0947 Hawaiian 482 (PPT-HNL) calls Tahiti for a SELCAL watch and continuing on CPDLC 12/1 MJ  
8867 2205 NZ850 wkg Auckland reports back on TRK confirm 27/1 RP  
8867 0124 AUUCKLAND wkg Qantas131 reports ChCh 123.700 for comms update 29/1 RP  
8867 0243 Velocity 153 advise Auckland due TRF changes F/L 29/1 RP  
8903 0850 United 873 wkg Tokyo request flight level 380 23/1 ABD\*\*  
8942 0233 Manila working Japan Air 720 with a SELCAL check on DMHL. I don't normally receive 8942 until well into the evening so this is a good catch! 16/1 MJ  
8950 0831 Between 0831 and 0834 UTC Murmansk Control calls N600GS a few times and SELCAL's them on JKGR. N600GS is a Gulfstream company G650 aircraft 24/1 MJ  
8950 0913 Murmansk wkg Air France 275 requesting their current position and sends a SELCAL check on FLCH (B773 F-GZNI)and advises primary is 8950 and secondary is 5694 19/1 MJ  
8970 0728 SUMO 17 wkg San Francisco 18/1 MJ  
10051 0653 Gander VOLMET with weather for Gander and Halifax 23/1 MJ  
11253 0951 RAF Military Time Slot 1 Information Broadcast (weak) 12/1 MJ

### CONTRIBUTORS

**RP** Roger Pryde, Dunedin Icom R70, Yaesu FRG communications receivers, coms/rec 20 mtr L wire WW2  
**ABD** Arthur De Maine, Ashburton Elad SDR 30ft long wire, Loop  
**ABD\*\*** Arthur De Maine, Ashburton Northland SDR  
**MJ** Mike Jackson, Palmerston Nth Airspy HF+Discovery and Delta Loop.  
**BC** Brian Carr, Christchurch AR5000a+4 30ft longwire, EWE antenna.

Thanks to all those that contributed this month.

**Arthur**

Continued from page 36

< www.ontheshortwaves.com> Update, January 19, 2020 -- Previously we have posted a recording of WRNO testing when it first came on the air in 1982. Under “DX History/QSLs & Other Station Memorabilia” we have posted an interesting trinket from the station: a WRNO belt buckle issued in connection with the Louisiana World Exposition of 1984. The design on the front, both on the left and the right, looks like, at the top, a cherub holding up what might be Mardi Gras beads, and, at the bottom, an alligator with its mouth open. On the back are the words “Official Short Wave Station,” and above those words is an eagle surrounded by the words “The Great American Buckle Co. U.S.A.” (which apparently is now Great American Products, a seller of promotional merchandise). Zoom in for the detail. -- And in “Specialized Resources/The DX Recordings of Colin Miller,” we have added a recording of Radio Tashkent from the mid-1970s (Arabic ID).

< www.ontheshortwaves.com> Update, January 26, 2020 -- If you were DXing in the U.S. during the 1950s or 1960s, the chances are that, at some point, you were a member of the Newark News Radio Club, and you looked forward to receiving the monthly bulletin. . Some time ago we posted the first issue of the short-lived and little-known Dialist, the NNRC publication that pre-dated the NNRC bulletin. Now we have posted all six copies, which were published in 1934 and 1935. You can find them under “Specialized Resources” in a new “Dialist” section. -- Also in “Specialized Resources” we have two new “Wavescan” stories from Adrian Peterson: “CBS on Shortwave in California: The Voice of America, Delano - 2” (Wavescan N563, December 8, 2019), and “Ancient DX Report 1919” (Wavescan N564, December 15, 2019).

## BRANCH NEWS

Any information re Branch News - notice of upcoming events  
or reports of recent events, please email:  
[nzrdxlchiefeditor@gmail.com](mailto:nzrdxlchiefeditor@gmail.com)

### WELLINGTON BRANCH

The next Beach Babble will be on **Wednesday, 27 January, 11.45am**

(note the change of time)

Beach Babylon Cafe, Oriental Bay, Wellington



# *On the* **shortwaves.com**

From NZRDXL member Jerry Berg, 38 Eastern Avenue, Lexington, MA 02421, USA  
**NEW HISTORY MATERIAL AT <http://www.ontheshortwaves.com>**

< [www.ontheshortwaves.com](http://www.ontheshortwaves.com)> Update, December 29, 2019 -- Under "DX History/QSLs & Other Station Memorabilia," we have posted Part II of our three-part series, "The BBC on QSLs." This part covers non-relay BBC QSLing since World War II. Still to come: Part III, on relay stations.

< [www.ontheshortwaves.com](http://www.ontheshortwaves.com)> Update, January 5, 2020 -- With regard to "Palau on the Air," which we posted on December 22, 2019 under "DX History/Stations," our good friend in Japan, Tetsuya Hirahara, has prepared some detailed information about the station. You will find it right after the original Palau posting. -- Tetsuya has also brought to our attention an article prepared in 2017 by the late Henrik Klemetz, but not published at that time. It is called "Having Fun With Your Radio," and Tetsuya has posted it at his "Radio Nuevo Mundo" website. It focuses on some interesting experiences in communicating with stations when Henrik was DXing from Colombia in the 1990s, and it is worth a read. You can find a link to it under "DX History/People." Thanks, Tetsuya. -- We have updated our "Active-Inactive SWBC Countries" list. The present totals, per the NASWA list: 111 active countries (plus three "pirates only"), 153 inactive, for a net loss of two. You can find the list on the "Specialized Resources" page. -- Also under "Active-Inactive SWBC Countries" we have updated Anker Petersen's report of trends in tropical band broadcasting. The latest list is for 2019. Thanks, Anker. -- And Adrian Peterson has sent us two new entries for the "Wavescan" section of the "Specialized Resources" page. They are "The Voice of America, Delano, California: Gone But Not Forgotten-3" (Wavescan N567, January 5, 2020); and "Ancient DX Report 1920" (Wavescan N567, January 5, 2020). Thanks, Adrian.

< [www.ontheshortwaves.com](http://www.ontheshortwaves.com)> Update, January 12, 2020 -- Under "Specialized Resources/Media Network Vintage Vault: An Index," we have updated the index to include all the recordings posted by Jonathan Marks through 2019. Media Network was a treasure trove of information about communications and the DX world during the Media Network years, 1981-2000, and included much historical information as well. Jonathan had been posting recordings regularly from 2010 to 2016, then paused in 2017. When he resumed in 2018 we stopped the indexing because the website format had changed, but we have picked it up again. There is a search box on the Vintage Vault website, and the index represents another way of using the search box to find programs you might be interested in. If you haven't looked at the Vintage Vault, you should. As the index suggests, there is a wealth of information here, and just being able to hear the voices of Jonathan, Diana and the rest of the Media Network gang is a treat in itself. Corrections and comments on the index are always welcome. -- Also under "Specialized Resources," we have updated "An Index to the Station Recordings of Richard Ginbey." (The only new items are the recordings of Lesotho.)

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