

	<h1>New Zealand DX Times</h1> <p>Monthly Journal of the New Zealand Radio DX League (est 1948) April 2019 Volume 71 No. 7</p> <p><a href="http://www.radiodx.com">http://www.radiodx.com</a></p> 	
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*Welcome to the April edition of the DX Times.*

A very warm welcome to new member, **Douglas Copeland**, from Winnipeg in Manitoba. We hope you enjoy your time with us and we look forward to receiving your contributions for the magazine.

It was sad to learn that Life Member and former League Treasurer, **Phil van de Pavard**, has not been in the best of health. We all send you our very best wishes, Phil.

Best wishes for good health also go to Japan-based member **Hirofumi Tsujii** who has been hospitalised for nearly two months. He is now at home and making a good recovery.

We are very sad to learn of the passing of **Craig Allen**, the owner and operator of **Ozy Radio** (4385 kHz). The League sends its sincerest condolences to his family.

One night at Waianakarua, just before I left to go overseas in 2007, we found that hearing Latins was like shooting fish in a barrel. We didn't know where to tune next there were that many of them. There hasn't been a DXers tuning frenzy like it since, in all probability. That is, until a week or so ago. Following **Mike Smith's** reports of hearing Paraguay and Brazil, **Peter Mott** turned the delta loop aerial connected to the League's SDRs to point south east and the result was one of those rare nights. Paul Ormandy was particularly animated!

Finally, at the bottom of the solar cycle, we are getting some great DX. **Bryan Clark** has subsequently heard Paraguay, Brazil and Uruguay from Mangawhai. (All I hear on my EWE is noise!) Mike Smith has reported even more Latins from the Brazil/ Argentina part of the continent just a few nights ago. It seems the Latins are back.

Interesting news from across the Ditch. With election year coming up the promises are starting to be made. An item from <https://www.radioinfo.com.au/news/labor-will-bring-back-short-wave-nt> tells us that should Labor be successful they will bring back the **Northern Territory Shortwave Service**. Good news for SW enthusiasts. I used to listen to that service occasionally in the early winter mornings and really enjoyed the programme. Thanks to Ray Crawford for that bit of news.

As reported last month, the South African **Bloemendal shortwave station** operated by Sentech since Radio RSA closed down, officially ceased operations on 30 March. At its height, in about 1976, Radio RSA broadcast for 36 hours a week in twelve languages. Thanks again to Ray Crawford for the information.

**Deadline for next issue is Wed 24th April 2019. P.O. Box 178, Mangawhai 0540**

**CLOSING DATES FOR THE NEXT  
3 MONTHS 2019**

**May**            **Wednesday, 24th April**  
**June**           **Wednesday, 29th May**  
**July**            **Wednesday, 26th June**

**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  
personal scans/ photos, station websites or  
via Google Images*

**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  
[nzrdxldr@gmail.com](mailto:nzrdxldr@gmail.com) for details.

**What's in a name?**

Ray Crawford recently sent me a piece from the American Radio Relay League (ARRL). It says: Recently there was a name change for Z3 - Macedonia, which used to be called the former Yugoslav Republic of Macedonia. The new name is **North Macedonia**. The ADIF country code number remains 502. There will be no changes, other than the name, as to the DXCC status of Z3. There remains 340 countries/entities on the ARRL DXCC (current) List.

As one who has heard Skopje on mediumwave (albeit when staying in Vienna one Christmas), the change of name will not make a blind bit of difference to their refusal to verify reports, written in English or Macedonian (using cyrillic script)!! It remains a very frustrating station in a newly named country.

The other country which changed name recently of course, is Swaziland, which is now known as **eSwatini**. Apparently the King changed the name and it means the land of the Swazis.



The flags of North Macedonia and eSwatini respectively

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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

**NZRDXL AdCom,  
P.O. Box 178,  
Mangawhai, 0540,  
NEW ZEALAND**

**Patron** Sutton Burtenshaw

NZRDXLPatron@gmail.com

**President** Arthur DeMaine

NZRDXLPresident@gmail.com

**Vice President** David Norrie

NZRDXLVP@radiodx.com

**National Secretary** Steven Greenyer

greenyerj@gmail.com

**National Treasurer** Bryan Clark

NZRDXLTreasurer@gmail.com

**Chief Editor/Publisher** - Stu Forsyth

NZRDXLChiefEditor@gmail.com

From January 2019, an annual subscription (magazine delivered in PDF format) of \$10 is available for New Zealand members. For international subscribers - \$10 NZD equivalent in your local currency.

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Acct. name: NZ Radio DX League

Acct. number: 12-3089-0286191-00

Make sure your name is included

Club Magazine

The NZ DX Times. Published monthly.

Registered publication. ISSN 0110-3636



Printed by Oamaru Print & Copy Ltd., Oamaru.

<http://www.perfectprint.co.nz/>

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# MUSINGS



**Editor**

**Stu Forsyth  
Mangawhai**

**email:  
nzrdx@mailbag@gmail.com**

**Bryan Clark, Mangawhai** has reported and QSLed Radio Piranha International 6030.1. Traces of reactivated Radio Apintie from Surinam noted on 4989.983 but to date it has been too weak for a reception report.

Medium Wave has been abuzz with Latin American signals and new logs of Radio Nacional de Paraguay 920, Radio Nuevo Mundo Chile 930 and Super Radio Tupi Brazil 1280, plus extensive recordings on other frequencies still to be analysed for verifiable material. *[Yes, and the night you invited me around to listen to the Brazilians/ Paraguayans/ Uruguayans and Argentinians ..... they were all having a siesta! I don't believe a word of it ..... except I have heard the recordings!]*

**Dene Lynneberg, Wellington** QSL's in so far this month from: CJWI-CPAM 1410. Short email QSL in French received after a f/up report to info@cpam1410.com in English and French together with an email message in French via their website asking them to check my report and confirm it if it is correct. No verie signer's name given in email. VOAR 1210 Friendly email received from VOAR Manager, Sherry Griffin for a f/up report for 2016 reception via the Global Tuners Portrush, Northern Ireland receiver. She thanked me for my report and said she had passed it on to their Engineer for further action then a couple of days later an email arrived from Brian Matthews, VOAR Engineer verifying my report of 25 October 2016. Nice one to finally get as they are due to move to FM. Radio Waves International 6070 and 7440 via Rohrbach-Waal and 6055 via Sitkuni, Lithuania (after f/up report for reception of 11 November 2011). Also received several info sheets about RWI and a digital transfer file of the RWI show broadcast on 10 February 2019. Reports have been sent to WDHP 1620 (with a relay of WAXJ 103.5 the Reef), Voice of Guyana 560 and Harbour Light of the Windies 1400 (all heard on the TWR Bonaire sdr), WPTX 1600, CKZW 1650 La Gospel Radio (ex CJRS Radio Shalom) and WMDD 1480 (last three heard on the Bjargtangar, Iceland sdr). CKJH 750 and VOA Pinheira, São Tomé 1530 (Arctic sdr Norway). Follow ups have gone out to: KGU 760 (found another email address at salemhawaii.com so giving that a try), VOWR 800 Saint John's, NL (for 2016 report heard on the Portrush, Northern Ireland Global Tuners receiver). On shortwave reports out to Radio Pirana International 6930 and Radio Enterhaken 6930 (relayed via Radio Pirana International) and a f/up to PPE Observatório Nacional 10000 (thanks to Edward Kusalik for giving me another email address to try for this one). FM wise reports to AREC FM 87.6 Porirua and Paraparaumu. *[Your usual fine collection of exotica, Dean. I remember Timm Breyel hearing São Tomé 1530 from his back garden in northern KL. I heard the recording - incredible. His set was a Trio (I think) with a whip antenna. As for KGU, where is Alan Roycroft when you need him!]*

**Douglas Johns of Christchurch** comes to call: It's been a little while since I appeared in mailbag, but odd trips to Dunedin, and Westport have seen QSLs roll in from Brian FM Omarama 104.5, RNZ Concert Dunedin 92.6, NewstalkZB Westport 95.7, TAB Radio

Trackside Westport 93.3, Life FM Westport 104.5, Star Westport 103.7, and Rhema Westport 94.9. And with a recent trip to Auckland and Hamilton, there is the possibility of more in coming days, but the postie is being remarkably tardy in making deliveries. Either that or some organisations have totally given up on replying to listener mail ! At least the Rhema group still replies, and with their own QSL cards. Station issued QSL cards are a rarity in New Zealand these days. Oh Dear - I'm going to have a nostalgia attack anytime now.....  
*[Don't worry Douglas, your earlier nostalgia attack will appear below! Nothing wrong with a bit of nostalgia!]*

**Mike Smith, Opunake**, sends us this news. Down at Ozanam House PN this week, here for another four having chemo and radiation. Going ok so far but expect it to get harder as it goes on. But, the last couple of weeks at home have seen a lot of latins heard on the 150 degree EWE. I've still got several recordings to decipher, wrote a report for ZP1 R.Nacional del Paraguay on 920, but the published email address bounced, so I'm now badgering them on their facebook page. If that doesn't work it'll be good old NZ Post. I've been chasing 780khz as well, there are often two or three latins there in the mix. Pretty sure one is Argentina, if not more, due to some references to "R.Nacional de Exterior" heard. Also been hearing something on 760, mentioned "Uberlandia" so looking at the possibilities in Minas Gerais state in Brasil, it's north of Rio but there are a couple of stations listed there, but not specifically in Uberlandia town. R. Bahia Blanca on 840 has been a regular, except for one night when there was a signal audible with mostly talk, with poor audio, completely different to RBB format. Yet to spend time on the recording but there was a "Radio Victoria" ID, and the only one I can find on 840 is in Puerto Rico, WXEW. So some work to do in the next week or two's downtime. I'll be heading back to Opunake for the weekends, so hopefully will catch a bit more of the latin season before it changes again. *[Firstly, all the very best wishes from all of us on the success of your treatment. WXEW would be a lovely catch to get, particularly with 1kw nights. Good luck with sorting it all out.]*

**John Durham in Tauranga** says: Not a lot to report this month - a couple of veries to hand .

Radio Pirana International 6945kHz a tentative qsl until Gorge Garcia, the station operator, returns to Europe and prepares the official version.

Unique Radio Gunnedah 5045kHz a proper postcard received via John Wright. Not often you get these nowadays, much appreciated. *[See John's column for details about this station. Goodness, John, a unique experience receiving a proper QSL these days!]*

**Your Chief Editor** has done very little listening, but items heard appear in the trail. The evening of 30 March was interesting. It is the quietest I have experienced on MW since moving to Mangawhai. 1640 KDIA was booming in, which it doesn't usually at my place. Earlier it was mixed with KDZR. I realised I have never verified KDIA, in fact I have never reported them, so, now I have. There were Yanks on every 10 kHz frequency, although it got a little ropey below about 700. It is worth noting the next evening, the conditions were awful.

As mentioned above, **Douglas Johns and I** have been communicating and talking about a verification I issued to him in 1979. I remember it for a couple of reasons, which are not relevant here. However, it took him ages to find the card, which he eventually did. It reminded us both of what it was like 30 (or 40, yikes) years ago when there were summertime short term AM stations. They usually verified and were fun to get. Here are some cards from that time (thanks to Douglas for providing them).

193 **RADIO NEW ZEALAND**

Dear Sir/MADAM

Thank you for your report on our transmission of 23 December 1981 (DATE)

between 9.53pm and 10.05pm (TIME)

On checking against our log, we are pleased to verify your report and to acknowledge accordingly.

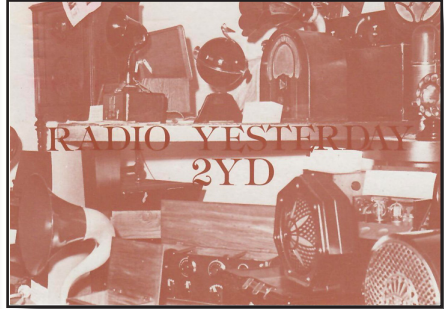
*R. Johnson*  
MANAGER

STATION: IXE ORONGO BAY-BAY RADIO  
(CALL SIGN)

PAIHIA VILLAGE GREEN  
NEW ZEALAND (TOWN)

693kHz 400W  
(FREQUENCY) (POWER)

D M JOHNS  
P O BOX 1609  
CHRISTCHURCH



**RADIO TAUPO  
1XL 1224 kHz**

**RADIO U**

**3XB**

**CHRISTCHURCH**

FREQUENCY: 1503 kHz POWER:

Your Report of 29 Feb 80 at 6.57-7.19 pm NZDT **GMT is Correct**

*Free*  
(P.A. CR8)

**RADIO U**

Dear

I have pleasure in confirming your reception of Dec 1, 1981 at 9.23pm NZT

Radio U broadcasts from the University of Canterbury Students' Association, 90 Ham Road, Christchurch on 1422 kHz.

Yours Sincerely,  
*Richard Higgins*  
Technical Officer  
Remarks:

C - UCSA, PRIVATE BAG, CHRISTCHURCH

**Radio Ribbet**

Power 100W; Dipole at 25m; 0700 - 0830; 1630 - 2200hrs  
Reception Report Received. Check and verified.

Date 3-3-80 Time 16:30-17:30

Remarks T. J. ...

Signed *T. J. ...*

Otago University  
Students Association  
P.O Box 1436  
DUNEDIN

**4XR 1305 kHz**

... P.M. Johns - P.O.Box 1609, Christchurch

Thank you for your reception report of January 3, 1980, at 9.54 pm.... NZST which is confirmed.

# BANDWATCH UNDER 9MHZ



Editor  
Ian Wells  
Dunedin

email [nzrdxlunder9@gmail.com](mailto:nzrdxlunder9@gmail.com)

Welcome to the April, and to Autumn. 2019 has barely started, but it's disappearing fast. Your contributions are always welcome - remember to show loggings as tentative if you don't get a clear ID, or if there's any doubt, and provide as much detail as you can, including the date and language heard, while keeping your notes concise.

I will be away over Easter, and will need your loggings for the May DX Times before Thursday 18 April – or you can send them direct to the Chief Editor by the official deadline. Thanks

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

3930	1848	NTH KOREA, V of the People, good with male talk in Korean (Tent) 13/3 KAB**
5045	0958	AUSTRALIA Unique Radio fair in EE with ADXN prgm at 1002 11/3 JD**
5845	1740	SINGAPORE BBC WS vis Kranji food in Korean 4/3 BC
5860	1745	IRAN R Farda fair in Persian with talk & music 6/3 BC
5875	1837	ARMENIA, BBC (Kamo) excellent with female talk in Pashto, ID, 13/3 KAB**
5935	0640	USA WWCN Nashville good with EE religion 11/3 BC
5940	0725	BRAZIL R Voz Missionaria fair with music in PP, ID at 0731 27/3 IDW**
5940	0851	BRAZIL R Voz Missionaria good in PP, full ID at 0900 9/3 JD
5950	1920	USA R France International via WRMI fair in FF 24/3 BC
5955	1558	ROMANIA RRI poor in Ukrainian, Serbian from 1628 & Romanian from 1700 8/3 BDW
6030	0925	USA R Marti fair in SS, // 5980 28/2 JM
6030	1810	ETHIOPIA R Oromiya fair in Oromo 1/3 BC
6070	1648	TURKEY, VOT excellent with singer and comment in Farsi (Tent) 8/3 KAB**
6110	1700	ETHIOPIA R Fana fair in Amharic with talk 28/2 BC
6110	1940	CHINA CRI fair in Russian with pop music 23/3 BC
6115	0945	JAPAN R Nikkei fair in JJ, s/off 1000 28/2 JM
6120	1748	TURKEY VOT very good in Turkish 18/2, also noted at 2025 on 28/2 BDW
6120	1840	TURKEY VOT good in Turkish for Middle East 5/3 BC
6130	1846	SWAZILAND (ESWATINI) TWR via Manzini fair in Umbundu 11/3 BDW
6145	1915	ENGLAND KBS fair in FF via Wooferton 4/3 BDW
6160	1829	CHINA CRI good in German for Western Europe 5/3 BC
6165	0512	CUBA R Habana in EE with CQ-DX prgm 13/3 BC
6185	1620	VATICAN R Vaticana good in Russian 8/3 JM
6270	0622	CUBA R Habana Cuba poor // 5100 vgd 3/3. This is a spurious transmission, a mixing product between 6165 & 6060: 6165-6060 = 105 then 6165+105 = 6270. BCM
6930	0659	ARGENTINA(?) R Piranha International fair with pops (one by Dave Dobbin) 2/3 JD**
6930.1	0628	SOUTH AMERICAN HOBBY PIRATE R Piranha International poor w/ western pops & folk songs, EE idents 3/3. Followed till 0822. Prompt QSL received. BCM

7210 1825 CHINA CRI in RR for Eastern Europe 20/3 BC  
7215 1215 CHINA CRI good in Russian //9590 & 9685 8/3 JM  
7215 2005 ALBANIA CRI in Arabic via Cerrik 7/3 JM  
7225 1830 AUSTRIA AWR fair in Arabic via Moosbrun 7/3 JM  
7230 1720 VATICAN R Vaticana good with news in EE until close 1730 11/3 BDW  
7245 1800 MOLDOVA TWR good in Tigrinya 11/3 BDW  
7255 0607 NIGERIA Voice of Nigeria fair in Hausa to West Africa 11/3 BC  
7255 1835 CHINA fair in Russian via Shijiazhuang 7/3 JM  
7265 0600 ENGLAND BBC WS fair in French via Wooferton 10/3 JM  
7280 1641 VIETNAM VOV very good with female in Russian (Tent) 8/3 KAB\*\*  
7280 1920 VIETNAM VOV in EE with music and talk on economy 7/3 BC  
7289.9 0820 INDONESIA RRI Nabire fair w/Indonesian talk 28/2, irregular. BCM  
7290 1933 ITALY IRRS good in EE with talk prgm 6/3 BC  
7290 1958 ITALY, IRRS Milano, v good in English with clear ID. 22/2 KAB\*\*  
7300 1705 CHINA CRI fair in Arabic via Kashi-Sibagh 8/3 JM  
7325 1320 CHINA CRI fair in JJ for East Asia 7/3 JM  
7355 0515 USA R Marti good in SS with music 13/3 BC  
7360 1600 VATICAN R Vaticana good in Armenian 4/3 JM  
7360 1953 ALBANIA, CRI good with male in French (Tent). 22/2 KAB\*\*  
7365 2012 VATICAN R Vaticana fair in EE with nx to West Africa 20/3 BC  
7370 1715 ROMANIA RRI good in Romanian via Galbeni 8/3 JM  
7375 1800 FRANCE R Algeria via Issoudun fair with EE ID, AA prgm 8/3 JM  
7380 2024 FRANCE, RFI good with 2 males talking in Hausa (Tent). 24/2 KAB\*\*  
7415 1805 CHINA CRI fair in Persian // 7325 8/3 JM  
7425 2019 SAUDI ARABIA, BSKSA, excellent with Quran (Tent) 16/3 KAB\*\*  
7465 1852 BBC excellent with female talk in Pashto (Tent) 13/3 KAB\*\*  
7485 1914 GERMANY, VOA with 2 males in Kurdish (Tent) 2/3 KAB\*\*  
7495 1810 GERMANY Deewa Radio fair in Pashto to Afghanistan via Biblis 8/3 JM  
7520 1953 CHINA, CNR1 (Fire Drake) excellent with Chinese music, (Tent) 21/3 KAB\*\*  
7585 1858 THAILAND R Farda via Udon Thani good in Persian 20/3 BC

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>BC</b>	Brian Carr	Christchurch	Icom IC-R70, EWE
<b>BCM</b>	Bryan Clark	Mangawhai	WinRadio G33DDC Excalibur Pro & AOR7030+ with EWEs to Nth, Cent & Sth America
<b>BDW</b>	Brian Webb	Upper Hutt	DE-1103 & AR-1733 with whips
<b>IDW**</b>	Ian Wells	Mosgiel	** Using the League's Northland SDR
<b>JM</b>	John Mainland	Wellington	Philips D-2999, 20m longwire
<b>KAB**</b>	Ken Baird	Wainuiomata	** Using the League's Northland SDR

Contributions to this column may be sent to [nzrdxlunder9@gmail.com](mailto:nzrdxlunder9@gmail.com) or direct to the Editor, Ian Wells, at [iwellsnz@gmail.com](mailto:iwellsnz@gmail.com) or via snail mail to P O Box 178, Mangawhai 0504. Note that contributions for the May DX Times should either be sent to me by **18 April** or to the Chief Editor ([NZRDXLChiefEditor@gmail.com](mailto:NZRDXLChiefEditor@gmail.com)) by 24 April.



# BANDWATCH OVER 9MHZ



Editor

**Kelvin Brayshaw** email  
**Levin** [nzrdxlover9@gmail.com](mailto:nzrdxlover9@gmail.com)

If unsure of ID, item should be marked 'tentative'.

Please avoid duplicate items appearing in consecutive edit

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

9355	1635	THAILAND, VOA Deewa R. Poor in Pashto – 8/3 JM
9370	1630	THAILAND, VOA. Poor in Pashto – 8/3 JM
9400	1930	BULGARIA, BVB. In English relig instruction. Good - 5/3 BC
9445	1625	AUSTRIA, AWR. Good in Urdu – 8/3 JM
9445	1802	INDIA, AIR (BGL). Poor/fair in vern & English, ethnic mx – 23/3 KB
9525	2008	MOLDOVA, Clandestine Deng Welat very good with music in Kurdish, (Tent) 16/3 KAB**
9525	2113	MOLDOVA, Denge-Welat. Music good to fadeout 2130, Kurdish - 19/2 BDW
9555	2010	SAUDI ARABIA, BSKSA. In Arabic + songs – 27/3 BC
9600	1200	CHINA, CRI. English nx, fair // 9645 – 8/3 JM
9610	2130	TURKEY, VOT. English nx, fair – 27/2 JM
9620	1245	INDIA, AIR, GOS (ALG). Fair in Sindhi – 8/3 JM.
9635	1915	FRANCE, RFI. In French to West Africa – 18/3 BC
9660	1155	TAIWAN, RTI. Chinese, good // 6180 - 8/3 JM
9690	2140	SPAIN, REE. In Spanish, sporting commentary – 27/2 JM
9700	0414	TURKEY, VOT (EMR). Good in Turkish – 6/3 BC
9710	0248	CHINA, CRI. Very good in Spanish – 8/3 BDW
9730	1345	CHINA, CRI. English sce, poor – 7/3 JM
9740	0305	ROMANIA, RRI. Good in Spanish – 9/3 BDW
9750	0915	JAPAN, NHK. Japanese, poor/fair – 8/3 JM
9755	0420	IRAN, IRIB. Fair in Hebrew – 12/3 BDW
9755	0425	IRAN, VOIRI. In Hebrew, good signal, low mod – 6/3 BC
9770	1624	BULGARIA, AWR. In English, ID, telig instruction. Good – 29/3 BC
9780	1936	AUSTRIA, AWR (MOS). Good in French – 27/3 BC
9785	1828	FRANCE, DW. Fair/good in listed Hausa – 23/3 KB
9790	2145	FRANCE, RFI. French sce – 27/2 JM
9870	2033	SAUDI ARABIA, Saudi Intl R. Good in Arabic – 28/2 BDW
9910	1820	INDIA, AIR (BGL) (Tent). Poor/air in ethnic mx – 23/3 KB
9910	2052	INDIA, AIR GOS excellent in English with news and clear ID, Indian music, 6/3 KAB**
9910	2150	INDIA, AIR (DEL), English sce, with mx, fair – 27/2 JM
9930	0900	PALAU, WHRI. English ID, fair – 28/2 JM
9975	1125	GUAM, KTWR. Poor in Chinese – 8/3 JM
11760	1250	CHINA, CRI English to the Pacific, good – 8/3 JM
11900	1320	CHINA, CRI. Ebnlsh sce, good – 28/2 JM
11930	2149	USA, R Marti with discussion in Spanish and ID, 24/2 KAB**

- 11940 0110 SPAIN, REE (NOB). In Spanish – 1/3 BC  
 11980 1355 CHINA, CRI. English sce, good – 28/2 JM  
 11980 2224 GUAM, AWR very good with singer and comment in Chinese (Tent) 2/3 KAB\*\*
- 12030 1655 SPAIN, REE. Spanish. ID. good - 8/3 JM  
 12030 2108 SPAIN, REE v strong in SS with football commentary (Tent) 28/2 KAB\*\*  
 12030 2201 SPAIN, R.Nacional Espana, Mostly Good in Spanish, quotes by NZ PM in EE. Song by Nat King Cole, "Smile", 2228 - 16/3 KB
- 12040 2216 GUAM, AWR KSDA, good with male talking in Sunda, (Tent), 21/3 KAB\*\*  
 12075 1904 VATICAN, VOA (SMG). In French – 27/3 BC  
 13645 0617 CHINA China Radio International noted here fair in EE till abruptly off at 0657 after Chinese language lessons 4/3. Reported that Voice of the South China Sea is sked here in EE 0600-0700 but only CRI hrd this day. BCM
- 13695 0342 INDIA, AIR GOS Bangalore excellent with male comment in Hindi, ID , then more talk, 16/3 KAB\*\*
- 13745 0028 THAILAND, R Thailand good with female in English with local news, new King's coronation 4/5 2019, ID and Freq Sked 0036. 21/1 KAB\*\*
- 15030 0252 INDIA, AIR Bangalore excellent with talk in Tamil (Tent), also on 13695 v strong with news, off at 0300. 28/2 KAB\*\*
- 15195 0244 JAPAN, NHK. Poor in Japanese – 25/2 BDW  
 15425 0244 CHINA, CRI. Excellent in Amoy – 9/3 BDW  
 15580 2120 U.S.A., VOA. Fair, music/profiles in English – 21/2 BDW  
 15590 0253 JAPAN, NHK (YAM). In Japanese talk back prgm. Good – 8/3 BC  
 15610 2111 USA, WEWN (Catholic Radio EWTN) excellent in English with relig comment, 17/2 KAB\*\*
- 17540 0330 CHINA, CRI. Excellent in Mandarin – 9/3 BDW  
 17775 1950 USA KVOH Voice of Hope w/religious talk in SS, fair, surging signal 1/3. SS and extended EE ident at 2000. BCM

### Local Contributors

<b>BC</b>	Brian Carr	Christchurch	ICR-R70, EWE.
<b>BCM</b>	Bryan Clark	Mangawhai	G33DDC Excalibur Pro & AOR7030+ with EWEs to North, Central & South America
<b>BDW</b>	Brian Webb	Upper Hutt	DE-1103 & AR-1733 with whips.
<b>JM</b>	John Mainland	Wellington	Philips D-2999. Ant 20m longwire. E/W
<b>KAB**</b>	Ken Baird	Wainuiomata	NZRDXL SDR 1
<b>KB</b>	Kel Brayshaw	Levin	PL-660. Whip.



# ENGLISH IN TIME ORDER

Editor

Yuri (George) Muzyka  
Auckland

email  
nzrdxleto@gmail.com



Time Order summary of Ian's BandWatch Under 9MHz & Kelvin's BandWatch Over 9MHz columns. 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 Under/Over 9MHz Bandwatch column editors, 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
0028-0036	13745g	R Thailand	THAILAND	4-May	KAB**
0512	6165	R Habana	CUBA	13-Mar	BC
0617-0657	13645f	China Radio Int	CHINA	4-Mar	BCM
0640	5935g	WWCR	USA	11-Mar	BC
0900	9930f	WHRI	USA	28-Feb	JM
0958-1002	5045f	Unique Radio	AUSTRALIA	11-Mar	JD**
1200	9600f:9645	CRI	CHINA	8-Mar	JM
1250	11760g	CRI	CHINA	8-Mar	JM
1320	11900g	CRI	CHINA	28-Feb	JM
1345	9730p	CRI	CHINA	7-Mar	JM
1355	11980g	CRI	CHINA	28-Feb	JM
1624	9770g	AWR	USA	29-Mar	BC
1720-1730	7230g	R Vaticana	VATICAN	11-Mar	BDW
1920	7280	VOV	VIETNAM	7-Mar	BC
1930	9400g	BVB	CANADA	5-Mar	BC
1933	7290g	IRRS	ITALY	6-Mar	BC
1958	7290g	IRRS	ITALY	22-Feb	KAB**
2012	7365f	R Vaticana	VATICAN	20-Mar	BC
2052	9910e	AIR	INDIA	6-Mar	KAB**
2111	15610e	WEWN	USA	17-Feb	KAB**
2120	15580f	VOA	USA	21-Feb	BDW
2130	9610f	VOT	TURKEY	27-Feb	JM
2150	9910f	AIR	INDIA	27-Feb	JM

WORLDWIDE CARDING METHOD

**WEWN**

P.O. Box 50024  
Birmingham, AL 35210 USA  
1-205-472-7200

**Verification ("QSL") Card**

Date/Station/Time/Date: 0730  
Time/Station/Date/Time: 58' 2" UTC  
All other: \_\_\_\_\_

*Report to QSLcard!*  
*Thank you and God Bless!*

*Yuri Muzyka*  
for WEWN

PLACE  
STAMP  
HERE

# SHORTWAVE REPORT

Editor

John Durham  
Tauranga

email  
nzrdxshortwave@gmail.com



## BANGLADESH

Fair signal of Bangladesh Betar Ext.Sce in 60mb, March 28  
1230-1300 on 4750 SHV 100 kW / non-dir to SoAs English, x 15105 DKA  
1315-1345 on 4750 SHV 100 kW / non-dir to SoAs Nepali, ex 9455 DKA  
1400-1430 on 4750 SHV 100 kW / non-dir to SoAs Urdu, ex 15505 DKA  
1515-1545 on 4750 SHV 100 kW / non-dir to SoAs Hindi, ex 15505 DKA  
1600-1630 on 4750 SHV 100 kW / non-dir to SoAs Arabic, ex 7250 DKA  
1630-1730 on 4750 SHV 100 kW / non-dir to SoAs Bangla, ex 7250 DKA  
1745-1900 on 4750 SHV 100 kW / non-dir to SoAs English, x 13580 DKA  
1915-2000 on 4750 SHV 100 kW / non-dir to SoAs Bangla, ex 13580DKA  
(Via swldxbulgaria.blogspot.com)

## BHUTAN

6035 kHz, BBS Thimphu, on March 22 at 1136 UT, with pop (western) songs; cut off in mid-song at 1138\* UT; then at \*1140 UT, the usual sudden start up of PBS Yunnan, with FM99 relay, already in progress. (Via Ron Howard-CA-USA, via wwdxc BC-DX TopNews March 22)

## GERMANY

DW-RADIO - Schedule A-19 - Subject to change Short Wave Frequencies - valid from March 31st to October 26th, 2019. Schedule of March 11th, 2019

Language	Time/UTC	Freq	Transmitter	Target Area	Valid fr - to	Weekday
AMHARIC	1600-1700	13770	DHABAYYA	Ethiopia	310319-261019	daily
AMHARIC	1600-1700	15275	ISSOUDUN	Ethiopia	310319-261019	daily
DARI	1330-1345	11725	DHABAYYA	Afghanistan	310319-261019	daily
DARI	1330-1345	13660	DHABAYYA	Afghanistan	310319-261019	daily
HAUSA	0630-0700	9830	SAO TOME	Africa (we)	310319-261019	daily
HAUSA	0630-0700	11800	ISSOUDUN	Africa (we)	310319-261019	daily
HAUSA	0630-0700	17800	MADAGASCAR	Africa (we)	310319-261019	daily
HAUSA	1300-1400	9830	SAO TOME	Africa (we)	310319-261019	daily
HAUSA	1300-1400	11980	SAO TOME	Africa (we)	310319-261019	daily
HAUSA	1300-1400	17800	ASCENSION	Africa (we)	310319-261019	daily
HAUSA	1800-1900	9830	SAO TOME	Africa (we)	310319-261019	daily
HAUSA	1800-1900	11800	ISSOUDUN	Africa (we)	310319-261019	daily
HAUSA	1800-1900	15200	ISSOUDUN	Africa (we)	310319-261019	daily
HAUSA	1325-1530	15195	ISSOUDUN	Africa (we)	060419-180519	Sat(Football)
HAUSA	1325-1530	17840	ASCENSION	Africa (we)	060419-180519	Sat(Football)
PASHTO	1345-1400	11725	DHABAYYA	Afghanistan	310319-261019	daily
PASHTO	1345-1400	13660	DHABAYYA	Afghanistan	310319-261019	daily
SWAHILI	1000-1100	15275	MADAGASCAR	Africa (ea)	310319-261019	daily
SWAHILI	1000-1100	17710	MADAGASCAR	Africa (ea)	310319-261019	daily

(Via Michael Bethge-D, wwdxc March 22)

## INDONESIA

7289.92 kHz, Pro 1 RRI Nabire, on March 12, noted 0825-0840 UT with unusual good signal strength, but very distorted audio; normally I would have stayed with this till end of broadcast, but audio just too poor. Via Ron Howard-CA-USA, via wwdxc BC-DX TopNews March 12)

3325 kHz VOI via RRI Palangkaraya, 1047-1059 UT on Mar 3. In English till 1059 UT, into Chinese; much stronger than NBC Bougainville, also on frequency; later at 1307 UT (NBC no longer on the air), weekend segment "Highlights of the Week," then "Today in History" (this date

in 1994, crash of Turkish Airlines flight 981, etc.); a very good day for VOI.

(Via Ron Howard-CA-USA, dxld March 4)

I had Voice of Indonesia during my early morning (18:36 UT) on 3325 kHz. Heard with a commentary about 'Trump' and 'North Korea' and a variety of music tunes including pop and some Indonesian folk, many ID's 'Voice of Indonesia'. At 18:50 UT an ID and said 3325 kHz in Indonesian.

Reception was good and well over any noise on the frequency, say around an S9 mostly, using a Sony ICF 2010 and 30 metre inverted V antenna. Heard at Gunnedah NSW Australia. (Via nri3, dxld March 9)

## LAOS

6130 kHz, Lao National Radio, Vientiane at 1200 UT, checking on March 19 & 22, heard unique gong/bell that they ring slowly 7 times (7:00 PM their local time), followed by choral anthem. Was able to hear them faintly, but can confirm they still have the usual format; otherwise unusable. For many people, 1200 UT is the best time to confirm it is LNR.

On F\_B (UNION OF ASIAN DXERS), a comment by Victor Goonetilleke about my LNR posting: "yes they were off when we checked Dec Jan and heard they were repairing. Great to have them back and for that matter any station back"

(Ron Howard-CA-USA, via wwdxc BC-DX TopNews March 22)

## MALI

RTC technicians seemingly refurbished Bamako relay site now after 15 years in usage, and both countries MLI and CHN signed a new relay site contract for coming 10 or 15 years issue to come in A-19 season from 31 March 2019 ?

CRI Bamako Africa relay A-19 schedule request, time sorted, all BKO 100 kW

7295	0800	0900	46E 0 925	310319	271019	Hau	MLI	CRI	RTC
13685	1300	1400	53 111 206	310319	271019	Fra	MLI	CRI	RTC
17880	1300	1400	53 111 216	310319	271019	Fra	MLI	CRI	RTC
13685	1400	1500	53 111 206	310319	271019	Eng	MLI	CRI	RTC
17630	1400	1500	47E,48 85 206	310319	271019	Eng	MLI	CRI	RTC
13685	1500	1600	53 111 206	310319	271019	Eng	MLI	CRI	RTC
17630	1500	1600	47E,48 85 206	310319	271019	Eng	MLI	CRI	RTC
15125	1600	1700	47E,48NW 85 206	310319	271019	Ara	MLI	CRI	RTC
17880	1600	1700	37 20 216	310319	271019	Ara	MLI	CRI	RTC
13645	1700	1800	48SW,53NW 111 206	310319	271019	Swa	MLI	CRI	RTC
15125	1700	1800	48SW,53NW 111 216	310319	271019	Swa	MLI	CRI	RTC
11640	1800	1830	46E 85 206	310319	271019	Hau	MLI	CRI	RTC
13645	1800	1830	46E 111 206	310319	271019	Hau	MLI	CRI	RTC
11640	1830	1930	47E.48NW 85 206	310319	271019	Ara	MLI	CRI	RTC

13685	1830	1930	37 20 216	310319	271019	Ara	MLI	CRI	RTC
11640	1930	2000	53NW 111 216	310319	271019	Por	MLI	CRI	RTC
13630	1930	2000	53NW 111 206	310319	271019	Por	MLI	CRI	RTC
11640	2000	2100	53 111 216	310319	271019	Eng	MLI	CRI	RTC
13630	2000	2100	53 111 206	310319	271019	Eng	MLI	CRI	RTC
11640	2100	2130	53 111 216	310319	271019	Eng	MLI	CRI	RTC
13630	2100	2130	53 111 206	310319	271019	Eng	MLI	CRI	RTC
11975	2130	2230	37 20 216	310319	271019	Fra	MLI	CRI	RTC
13630	2130	2230	53 111 216	310319	271019	Fra	MLI	CRI	RTC
11975	2230	2300	37 20 216	310319	271019	Chn	MLI	CRI	RTC
15505	2230	2300	47E,48 85 206	310319	271019	Chn	MLI	CRI	RTC
7295	2300	2400	46 0 925	310319	271019	Chn	MLI	CRI	RTC
11975	2300	2400	37 20 216	310319	271019	Chn	MLI	CRI	RTC

(Via HFCC.org A-19 season via BC-DX 7 Mar via dxld March 11)

Radio Mali Bamako on 5995 kHz now with news and comments in English.

1801- UT on March 09, open here when closed on 9635 kHz, at 1801 UT, Vernacular comments, African songs, at 1850 UT news en English, mentioned "Mali", "Bamako", "West Africa", other comments in English "Here in Mali ...", male and female, at 1903 UT more comments in English. 433323. (Via Manuel Mendez-ESP, hcdx and dxld March 9)

5995, open today 29-03 at 0554 with music, tuning music, anthem and id. at 0600: "Vous écoutez la Office de Radiofusion Television de Mali émettant de Bamako. Nous émettons en ondes courtes dans la bande de 49 mètres, 5995 kHz, 61 mètres, 4835 kHz, 60 mètres, 4783 kHz kHz.

Pour le district de Bamako et ?? nous émettons en modulation de fréquence dans la bande de ??? mHz, pour la ... nationale... mHz pour ... l'Office de Radiofusion Télévision de Mali, émettant de Banako.", program "Matin ORTM. 33433. (Via logs in Reinante. Manuel Méndez Lugo, Spain)

### MEXICO

6185, 0607, 29-03, now on air with Radio France International news in Spanish. 15321 (Via logs in Reinante. Manuel Méndez Lugo, Spain)

### MYANMAR

5985 kHz, Myanmar Radio, Yangon city, at 1155+ UT on March 22, with live coverage (TV audio feed), in vernacular, of the football/soccer match between Myanmar (under 23) and East Timor (aka: "Timor-Leste") U23; played at the Thuwunna Youth Training Center Stadium (Yangon); musical interlude at half time and back to live coverage at 1230 UT. (Via Ron Howard-CA-USA, via wwdxc BC-DX TopNews March 22)

### NEW ZEALAND

31 Mar 2019 - 27 Oct 2019 via RNZ website

UTC	kHz	Target	Days
00:00 - 04:58	13840	Pacific	Daily
04:59 - 06:58	9630	Pacific	Daily
06:59 - 09:58	5945	Pacific	Daily
06:59 - 12:58	5945	Pacific	Sat-Sun
09:59 - 12:58	5945	Solomon Islands, PNG	Mon-Fri
12:59 - 16:50	5980	Pacific	Daily
16:51 - 18:35	6115	DRMTonga, Samoa, Cook Is	Sun-Fri
18:36 - 18:50	7285	DRMTonga, Samoa, Cook Is	Sun-Fri
18:51 - 19:50	9760	DRMTonga, Samoa, Cook Is	Sun-Fri
19:51 - 20:58	11690	DRM Tonga, Samoa, Cook Is	Sun-Fri

20:59 - 22:58	11725	Pacific	Daily
22:59 - 00:00	13840	Pacific	Daily

### **RUSSIA**

Fair signal of GTRK Adygeya/Adygeyan Radio, March 291800-1900 on 6000 ARM 100 kW / 188 deg to CeAs Adygeyan Fri.

From March 31 GTRK Adygeya will be on same time & frequency:

1800-1900 on 6000 ARM 100 kW / 188 deg to CeAs Ad/Ar/Tu Mon

1800-1900 on 6000 ARM 100 kW / 188 deg to CeAs Adygeyan Fri

1900-2000 on 6000 ARM 100 kW / 188 deg to CeAs Adygeyan Sun

( Via swldxbulgaria.blogspot.com)

### **SURINAM,**

4990, Radio Apintie, Paramaribo, 0604, 29-03, now on air with pop songs. 15321

(Via logs in Reinante. Manuel Méndez Lugo, Spain)

### **STATION NEWS**

#### **AUSTRALIA**

**Unique Radio.** Via an email from Tim Gaynor.

I believe the signal from Unique Radio, Gunnedah, NSW, Australia on 5045KHz LSB is quite 'punchy' as opposed to the AM mode, as used by 4KZ in Innisfail QLD.

Our website for more information and podcasts is available at Welcome to Unique Radio Australia. The signal from Queensland is on around 1.6KW of erp from an inverted V facing North Queensland. Unique Radio uses around a 200 watt erp from an inverted V above a workshop metal roof, facing at Gunnedah NSW and the Northwest of New South Wales on LSB mode.

Gunnedah is around 479KM northwest of Sydney NSW. Reception isn't too bad, everywhere from the Northwest to South Australia, Victoria to Tasmania and southern NSW. The signal can be heard on various SDRs in New Zealand, which I believe is fantastic.

[Have a listen on Mondays around 0900 UTC at 0930 Glenn Hauser with DX News and around 1000 The ARDXC presents "The World at your Fingertips. Editor]

#### **MARIANA ISLANDS (Saipan)**

Back on the Air with a single antenna.

During Wavescan #525 aired on WRMI yesterday (17 March), Jeff White reported that Perry Scott stated at the SWL Winterfest that on 22 February one of the Saipan antennas came back on the air for 11 hours each day carrying the RFA Korean (all 5 hours) and Mandarin services. The engineers are continuing to work on the other Saipan antennas as well as those on Tinian. (Richard Langley-NB-CAN, dxld March 18)

9455, RFA, Agignan Point. The first of the Saipan is now up and running again after major repairs and reconstruction from the recent cyclone. Mandarin to EaAsia at 2030 UT, a good signal at first but deteriorated by 2055 UT, with the usual Firedrake jamming, Febr 22.

9985 RFA, Agingan Point. This transmitter now back online after repairs, with s/on in Korean at 2100 UT, very good signal at first and no jamming heard. However, by 2145 UT, the signal became pretty scratchy, which is typical of this band at this time of day here. S/off at 2200 UTC on Feb 22.

17660 RFA, Agignan Point. Mandarin to EaAssia at 0610 UT. Back up on air after the recent cyclone. Fair signal but heavy CNR jamming dominated until s/off 0700. 23 Febr.  
(Via Rob Wagner-Vic-AUS VK3BVW, March ADXN - Australian DX News ARDXC, direct and via dxld March 11)

### USA

WMLK update: A real blessing came this week! On 5 February 2019 WMLK Radio received, from the FCC, the long awaited station operational license! Once again WMLK Radio will be able to legally broadcast from its station all over the world! Praise Almighty Yahweh! Also, the building of the new set continues. The building has been stopped in order to accommodate a US government project that takes priority over our order! Progress to that point was good! More to come! Thank you for your continued support! Yahweh Bless each one of you!

WMLK Radio F\_B page, 8 Febr.

WMLK, Bethel PA, USA suffered a fire at their old station in March 2017. They plan to return on 9275 kHz once their new transmitter building is complete and 300 kW transmitter received from Ampegon. Via (Alan Pennington-UK, Br DXC-UK "Communication" printed monthly magazine March 2019)

### ZAMBIA

5915 kHz, R. One / ZNBC1. Thanks to the original alert from Manuel Mendez-ESP and follow up report from Jay Novello, in WOR iog, that this is reactivated, after being silent, I believe, all of 2019. Of course I wanted to check this out, as it is one of my favorite stations, so tuned in expecting the previous schedule/format to still be the same. Not so!

In past years 0240-0250 UT was always the IS of the call of the African fish eagle, but March 22, tuned in at 0232 UT, to hear repetitive, non- stop pop African music already here; 0253 UT, cut off audio and only heard a loud hum, till 0257 UT hum off; African singing; 0300 UT, here is the IS of the African fish eagle, but played not for ten minutes, but only for about one minute; in vernacular; 0401 UT, brief IS and music before the news; later checked at 0420 UT, only to find they were off the air (earlier than their former sign off time). Clearly needs more monitoring to tell what the regular schedule/format will be. Great to have them back again!

Seeing as 5915 kHz is reactivated, wanted to see if there was any chance that Radio Two/ ZNBC2, which has been silent for a long time now, had also come back to life; checking 6165 kHz, from 0240+ UT, but didn't hear anything underneath Cuba.  
(Via Ron Howard-CA-USA, via wwdxc BC-DX TopNews March 22)





# BROADCAST NEWS

Editor

Bryan Clark  
Mangawhai

email  
nzrdxlbroadcast@gmail.com



**EQUINOX FAVOURS PARAGUAY, ARGENTINA, CHILE & BRAZIL!  
MORE AUSSIES MOVING TO FM!**

**NEW ZEALAND** For the official record, here is a list of all 78 NZ mediumwave stations that Jim Solatie and Mika Makelainen were able to identify on 13 October 2018 from Aihkiniemi in Northern Finland: 549 TAB Trackside Radio, Hawke's Bay, 567 RNZ National, Wellington, 576 Star, Hamilton, 612 Star, New Plymouth/Nelson/Christchurch, 630 RNZ National, Napier-Hastings, 657 Star, Wellington/Tauranga, 702 Magic 702, Auckland, 711 TAB Trackside Radio, Wellington, 720 RNZ National, Invercargill, 729 Radio Sport, Whangarei, 756 RNZ National, Auckland, 774 Radio Sport, New Plymouth, 792 Radio Sport, Hamilton, 810 Auckland Radio Trust, Auckland, 810 RNZ National, Dunedin, 819 RNZ National, Tauranga, 828 TAB Trackside Radio, Wanganui/ Manawatu, 837 RNZ National, Whangarei/Kaitaia, 846 Newstalk ZB, Masterton, 855 Rhema, Hamilton, 873 TAB Trackside Radio, Tauranga, 882 Star, Auckland, 891 Magic 891, Wellington, 918 RNZ National, New Plymouth/Timaru, 927 Newstalk ZB, Palmerston North, 954 TAB Trackside Radio, Hamilton, 981 RNZ National, Kaikohe, 990 Radio Apna, Auckland, 990 TAB Trackside Radio, Nelson, 999 Manawatu People's Radio, Manawatu, 1008 Newstalk ZB, Tauranga, 1017 Newstalk ZB, Christchurch, 1026 Newstalk ZB, Whangarei/Kaitaia, 1035 Newstalk ZB, Wellington, 1062 Radio Sport, Wanganui, 1071 RNZ National, Masterton, 1071 Trackside Radio, Ashburton, 1080 Newstalk ZB, Auckland, 1089 Radio Sport, Palmerston North, 1107 Radio Live, Tauranga/Rotorua, 1116 RNZ National, Nelson, 1125 Radio Sport, Napier-Hastings, 1143 RNZ National, Hamilton, 1152 Newstalk ZB, Timaru, 1161 Te Upoko o Te Ika, Wellington, 1197 Newstalk ZB, Wanganui, 1206 TAB Trackside Radio, Dunedin, 1215 Newstalk ZB, Kaikohe, 1224 TAB Trackside Radio, Invercargill, 1233 Radio Live, Wellington, 1242 One Double X, Whakatane, 1251, Rhema, Auckland, 1260 TAB Trackside Radio, Christchurch, 1278 Newstalk ZB, Napier-Hastings, 1296 Newstalk ZB, Hamilton, 1314 RNZ National, Gisborne, 1314 Star, Invercargill, 1323 Coast, Hawera, 1332 Radio Sport, Auckland. 1341 Newstalk ZB, Nelson, 1350 Radio Sport, Rotorua, 1359 Coast, New Plymouth, 1377 Radio Sport, Levin, 1386 Radio Tarana, Auckland, 1395 Newstalk ZB, Oamaru, 1413 Newstalk ZB, Tokoroa, 1449 RNZ National, Palmerston North, 1458 RNZ National, Westport, 1476 TAB Trackside Radio, Auckland, 1476 TAB Trackside Radio, Auckland, 1494 Star, Hamilton, 1503 Radio Sport, Wellington, 1521 Radio Hauraki, Napier-Hastings, 1521 Radio Sport, Tauranga, 1548 TAB Trackside Radio, Rotorua, 1593 Coast, Christchurch, 1602 Radio Reading Service, Levin. (via DXing.info)

[Jim suggests that, with 1602 now vacant in NZ, we should try for Scandinavian Weekend Radio on 1602 kHz. They are on the air on selected weekends. Please see: <http://www.swradio.net/> but in our dreams, I fear! BC]

**ARGENTINA** Since last March 11, the frequency of 950 Khz of the dial of the autonomous city of Buenos Aires, is occupied by CNN Radio Argentina (formerly known as am 950 Radio Belgrano). The new communication proposal arises from a contract between the Argentine firm Media S A., the new licensee of the frequency of the former LR3, and CNN International

Commercial (Iasb), which includes the dissemination of content of “CNN radio in Spanish for the Americas”. CNN Radio Argentina will operate from their studios in the centre of the city of Buenos Aires and with a transmitting plant in the town of Hurlingham, province of Buenos Aires, from where it is authorized to issue with category B-III (daytime power of 25 kw and night of 5 KW) . In addition, the station can be heard through a wide network of stations in 120 cities in the country, ensuring coverage of almost 80 % of the Argentine territory. (Argentina en AM y FM via Facebook)



**AUSTRALIA** Todd Emslie advised 7BU Burnie on **558** was running on reduced power in advance of its transition to FM. DX League member Martin Greer in Launceston says 7BU inaudible & 7AD **900** barely audible. Will Renton says station websites show stations go to FM on 22 March. (via ICDX-AM Yahoo Group)

Listeners of commercial radio stations 2EC in Bega, 2XL in Cooma and 2GN in Goulburn may soon be retuning their radios if the ACMA accepts proposals by the stations. The proposals would see 2EC, 2XL and 2GN swap from AM to FM transmission in Bega, Cooma and Goulburn respectively. ‘FM radio provides improved audio quality for listeners in regional areas and can be more cost-effective to operate than AM radio,’ said ACMA Chair Nerida O’Loughlin. ‘A number of regional commercial radio stations are seeking to convert their services to FM under an industry-led conversion program. The ACMA will facilitate a conversion after taking a number of issues into account. These include availability of suitable spectrum and being satisfied that audiences in regional areas do not lose radio services under that proposal,’ Ms O’Loughlin said (Martin Greer, Tasmania)

**BENIN** Trans World Radio is raising money for a second transmitter at their West Africa medium wave station. “Northern Nigeria is a spiritual battleground. For 10 years or more, radical religious movements have ravaged the land with horrific acts of violence. But there is hope in the gospel of Jesus Christ. We now have an opportunity to take the good news farther into Nigeria and strengthen the Church there. We’re launching a powerful new 200,000-watt transmitter broadcasting hope into all of Nigeria, as well as parts of the neighbouring countries of Cameroon, Benin and Niger. We have already begun by faith, with a prayer goal of launching programming with the new transmitter by the end of 2019. The total cost of the project is \$1.3 million for installation, upgraded power and antenna, and the first year of operations to reach all of Nigeria and beyond. As of Jan. 1, 2019, the remaining need for the project is \$750,000. ([www.twr.org/project-detail/oasis-transmitter-project](http://www.twr.org/project-detail/oasis-transmitter-project) via Prof. Dr. Hansjörg Biener 24 Febr, dxld Febr 26 via WWDXC Top News)

#### **CANADA**

- 650 CKOM Saskatoon SK new format is NWS/TLK, ex-NWS/TLK/Comedy. (Wayne Heinen NRC)
- 1340 CIVH Vanderhoof BC w/1kw has moved to 95.9 FM. (Dan Sys via IRCA)

**DJIBOUTI** VOA, via Doraleh, **1431** kHz: F/D eQSL, including transmitter site, in 1 day after F/UP. The reply came from US Agency for Global Media Transmission & Engineering Directorate – Broadcast Technologies Division. E-mail: [qsl@usagm.gov](mailto:qsl@usagm.gov) Finally, after many

attempts to various E-mail addresses, I was able to receive this confirmation for a VOA broadcast in Somali heard on 10 March 2018 and carried over the Doraleh transmitter site. For the sake of good order, it should be mentioned that in 2018 I received from VOA a cumulative QSL card verifying three different reception reports, including that one about reception of their broadcast in Somali which missed exact date of reception (VOA indicated the full seasonal schedule period) and transmitter site. Even times didn't correspond with my reception reports. Despite I always reported reception only about a portion of their broadcast, VOA indicated the starting/ending time of each transmission. Only frequencies agreed with my reception reports. A lot of thanks to Ivan Zelenyi from Nizhnevartovsk in Russia who suggested me to use the above mentioned E-mail address. (Antonello Napolitano via DX Fanzine 3/19)

**GUAM** KVOG Agana, **1530** was silent, reactivated with news/talk format. (IRCA)

**HAWAII** (items from NRC's "DX News")

670 KPUA Hilo granted STA extension, reduced power (U1 1kw/1kw). (NRC)

940 KKNE Waipahu adds slogan: "AM 940 Hawaii".(IRCA)

1420 KKEA Honolulu has added FM relay K224FR-92.7. (FCC via NRC)

**INDONESIA** On 24 February we had propagation to Western Australia, Indonesia and Thailand. That Indonesian on **1584.7** could be Radio Suara Kemal, but I have heard them already with proper ID much under nominal fq 1584 kHz. Also, under 1152 and above 1476 kHz (more) Indonesian stations. (Martti Karimies via DXing.info) Alan Davies responds: "1575 Cempaka Suara" is the ID in your recording, Martti. That station in Rempoa near Jakarta has been heard previously around 1575 and 1566 but I haven't noticed it before on 1584. Listening in Jakarta itself, 1584 tends to be dominated by a strong harmonic of Radio As Syafi'iyah 792kHz.(via DXing.info)

**JAPAN** According to the Japan Times of 29 March, Japanese commercial broadcasters on Wednesday proposed a revision to the broadcast law that would allow them to ditch AM radio broadcasting due to issues over cost amid a decline in listenership. The Japan Commercial Broadcasters Association asked the communications ministry to implement a system revision by 2028 in order to allow radio broadcasters to focus on FM broadcasting. Under the law, broadcasters are obliged to broadcast on both AM and FM. The request, made at a meeting of a panel of experts at the ministry, reflects the heavy burden placed on broadcasters stemming from updates to facilities and other forms of investment at a time when radio stations' advertising revenues are diminishing as the number of listeners falls. Full article here: <https://www.japantimes.co.jp/news/2019/03/28/national/japanese-broadcasters-call-end-mandatory-radio-due-cost-lack-listeners/> (Mike Terry via Glenn Hausers WOR IO Group)

**PERU** OAU7H Radio Los Andes **1040** in Espinar was noted off its nominal frequency on 27 February. Martti Karimies reports hearing them on 1040.482 kiloHertz and identification was confirmed by Rafael Rodriguez. (via DXing.info)

**PUERTO RICO**

580 WKAQ San Juan – Applies to extend STA, U1 10000/4500. (NRC)

940 WIPR San Juan applies to extend STA, U1 2.5kw day & night from WKAQ-580 tower.(NRC)

1300 WTIL Mayagüez granted STA extension, U1 1kw/1kw from one CP tower.(NRC)

1420 WUKQ Ponce was silent, now SS news-talk, slogan: "580 WKAQ". (IRCA)

- 1490 WDEP Ponce granted STA, U1 3000/1000 at CP site. (NRC)  
1520 WRSJ San Juan silent Sept. 20 (2017), on the air with STA Feb. 26. Granted STA, U1 1000/1000, Hurricane Maria damage.(NRC)

**SPAIN** Received a QSL from Spanish RNE "Radio 5 Todo Noticias" for receiving on frequency 558 kHz via El Palmar in Valencia - 21 Sept 2018 from 20.30 to 20.45 UTC. Card filled with a pen by Jose Antonio Garcia Merino. Stamped RNE Direccion de Medios. The report sent to the address <jantonio.garcia -at- rtve.es> Also sent a large RNE sticker and a cover letter. (Dmitry Kutuzov, Ryazan-RUS "deneb-radio-dx" via RUSdx #1020 via wwdxc BC-DX TopNews March 24)

**SRI LANKA** Reception reports for the new broadcasts by Adventist World Radio from Trincomalee on MW **1548** kHz are appreciated and may be sent to pino@awr.org Schedule is 1500-1530 UTC Tamil and 1530-1600 UTC Hindi . (Jose Jacob via Glenn Hauser's World of Radio io Group)

BBC World Service will do test transmissions including Wed 20th - Fri 22nd March: 14.00-14.30 UTC, 1548 kHz, AM at 350 kW; Sat 23rd - Mon 25th March: 14.00-14.30 UTC, 1548 kHz, DRM at 120 kW. This information from SLBC who wants reports on these transmissions. If you want QSLs I will get you the QSLs. Send your reports to SLBC direct or thru me. victorg.broadcaster@gmail.com) Thanking you for your continuous support on our TRM operation since January 2012. Director AM Transmissions V. Kuganesan. SLBC Project slbcproject@yahoo.com (Victor Goonetilleke via DXing.info)

**USA** (items from NRC's "DX News" magazine)

- 690 KCEE Tucson AZ slogan now Reach Radio.  
860 KTRB San Francisco CA adds FM // K257BE-99.3. (FCC)  
930 WFXJ Jacksonville FL slogan to "97.3 The Game," adds FM // W247CF-97.3.  
960 KLAD Klamath Falls OR slogan "The Basin's Sports Leader," // 104.3 FM.  
1010 KIQI San Francisco CA has CP for U4 10kw/15kw, granted amendment to U4 10kw/10kw.  
1050 KTCT San Mateo CA has STA extension, U4 35kw day & night due Mexico QRM.  
1150 KAGO Klamath Falls OR slogan "NewsTalk 1150," adds FM // K225CW-92.9.  
1200 WAXA Pine Island Center FL applies to extend STA, U3 2.2kw day & night.  
1210 KMIA Auburn-Federal Way WA applies for license to cover CP with U4 27.5kw days, 220 watts nights, moving night operations to licensed day site.  
1240 KJAA Globe AZ granted STA, U1 500w day & night, partially collapsed tower.  
1240 KSOX Raymondville TX slogan to "Radio Vision Hispana." (Bill Hale)  
1240 KDSK Los Ranchos de Albuquerque NM applies for STA, U1 1kw day & night from 37-meter longwire at 35-10-09/106-29-59; has lost licensed site.  
1250 KKDZ Seattle WA granted STA extension, U1 5kw days, 1.25kw nights.  
1260 KBXN Weiser ID call change to KKOO on 12 March.  
1290 KAZA Gilroy CA granted STA extension, U1 1250/20 from KZSJ-1120 tower.  
1300 KKOL Seattle WA silent 28 Feb. 2018 back on air with STA on Feb. 22.  
1320 KNIT Salt Lake City UT granted STA, U1 500 watts day & night from site where it has applied for CP w/U1 730/730, co-located with (silent) KEZF-1230.  
1350 KPWK San Bernardino CA granted STA, U1 2750/150, fire at transmitter site.  
1350 KSRO Santa Rosa CA slogan & group to "Sonoma County's FM News Talk".  
1400 KNNR Sparks NV slogan & group to "Nevada News Talk Network". (Bill Hale)  
1420 KSTN Stockton CA applies to extend STA, U1 1250/250 or parameters at variance.  
1440 KPUR Amarillo TX slogan to "Sports Radio 1440," adds // KNSH-1550.  
1470 KLCL Lafayette LA applies for STA, U1 2500/500, reduced power with transmitter

still under repair.

- 1480 KYOS Merced CA granted STA extension, U1 4300/75 from CP application tower.
- 1480 KLVN Pasadena TX format SS religion, slogan "Vida 1380". (Glenn Hauser)
- 1490 KZEE Santa Clara UT applies for license to cover CP for new station, U1 1000/1000 at 37-06-42/113-30-43.
- 1520 KOKC Oklahoma City OK granted STA extension, U1 10kw day & night.
- 1540 KXPA Bellevue WA granted STA extension, U1 50kw days, 1.25kw nights.
- 1550 KUAZ Tucson AZ now part of Arizona Public Radio group.
- 1570 KTGE Salinas CA slogan change to "Tigre."

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

- 710 KSPN Los Angeles CA has updated its slogan to "ESPN LA 710".
- 1040 KGGR Dallas, TX is now silent
- 1090 KVOP Plainview, TX reactivated with talk and farming format.
- 1280 KXEG Phoenix, AZ is now silent.
- 1290 KCUB Tucson, AZ has new slogan: "Wildcats Radio 1290 AM".
- 1250 KZOI Dakota City, NE format now regional Mexican, slogan: "La Fiesta 97.1".
- 1340 KSEK Pittsburg, KS now uses the slogan "The Sports Edge"
- 1400 KVOE Emporia, KS slogan is "Live and Local".
- 1410 WHBT Tallahassee, FL using slogan: "Heaven 98.3 FM and 1410AM".
- 1450 KSKE Buena Vista, CO was silent, now classic hits
- 1490 KRTK Chubbuck, ID has new callsign KPCQ
- 1490 KRUS Ruston LA has added Rejoice Broadcast Network
- 1490 KTTR Rolla MO format now contemporary Christian, slogan "Shine 104.9".
- 1490 WANG Biloxi MS format now classic country, slogan: "103.5 The Possum".

KKOL-1300 is back on the air, albeit weak with Christian programming. They also appear to be signing off at midnight and I have noticed tones there during the day. From Paul Walker via the IRCA eGroup: "They're running 1kw non directional from the KBRO 1490 tower in Bremerton." (Phil Bytheway via IRCA)

**US VIRGIN ISLANDS** WUVI Charlotte Amalie **1090** is now silent.

#### **X-BAND REPORT**

- 1640 WTNI Biloxi MS now using slogan "The Champ". (NRC)
- 1660 WGIT Canovanas PR has added FM relay W266CF-101.1. (FCC via NRC)
- 1660 KWOD Kansas City KS verified with prepared card, "610 Sports Radio" magnet in 9 days for f/up. V/s ??, ToD (whatever that is). (John Wilkins CO via NRC)
- 1680 WPRR Ada MI verified with prepared card, F/D form letter, small "Reality Radio" sticker in 46 days. V/s Sue Howard. (John Wilkins CO via NRC)
- 1690 WVON Berwyn IL has added FM relay W252AW-98.3. (FCC via NRC)
- 1690 WIGT Charlotte Amalie VI applies to extend STA, U1 400/400. (NRC)
- 1700 WRRC Ramapo NY granted STA, U1 2500/250, 175' LW at 41-11-22/74-00-55. (NRC)

Rockland County (New York) radio station WRRC that went web-only in August 2017 hopes to return to **1700 AM** by end of the month from a new transmitter site. WRRC had operated for 52 years as an AM station before reverting to web-casting only when the station's landlord cut its utilities at its old site in Nanuet, New York which it had used for its 52-year life. It had become the sole station providing news and information about Rockland County. WRRC's owner has found a new site in South Mou Haverstraw NY with an existing tower and is awaiting transmitter installation and tower modifications to resume broadcasting. (Rockland County Business Journal, 8 Feb via AP via BDXC Contact)

## KINGS OF THE KILOCYCLES

**TONY KING** Greytown reported to DX Dialog: "The X-band easterners were in on Saturday night 2 March. 1690 was good with ID 0834 UTC "1690 WPTX" then Adult Oldies "Downtown" etc. 1 kw. Taped. Heard on my NE EWE with Tecsun PL380. KDIA was in a mix of three on 1640 and three also on 1600 but no chance of an ID of any." [*Your persistence always brings results Tony! BC*]

**STEVEN GREENYER** Timaru writes: "Unfortunately work is taking up a few of my nights but managed to listen on 22 March when a few weak Argentineans made it through. 29 and 31 much better, 31st was characterised by an early opening but only to the bottom of the band. 660 and 670 with obvious Argentines and good signals but no ID before they faded before the hour. Have changed my portable 3x7 metre ewe to a 4.5x 13m while signals are a bit stronger the null off the back end is less. Heading to Catlins Lake on 15 April so hoping the deep South Americans hang on for a couple more weeks. I have signed a contract to build by the lake so may have a good out of town Latin location next year. The site is a bit further north and east than Tiwai room for a EWE and possibly a longwire to SA if the neighbour agrees."

**ANDY GARDNER** Christchurch offered some helpful advice about tracking down the identity of spurious transmissions after Bryan Clark found a Maori language broadcast on the low side of 1602: "That the frequency is not bang on channel is a worry - points to transmission equipment failure rather than intermod caused by object corrosion. That being said... go to [http://radiomobile.pe1mew.nl/?RF\\_Aids:On-Line\\_calculators:Intermodulation](http://radiomobile.pe1mew.nl/?RF_Aids:On-Line_calculators:Intermodulation) Punch 873 1440 and 1521 into the 3 frequency version. You will see 1602 listed in the 3rd order list. Can you find spurries near any of those other frequencies listed? Those 3 freqs are for the Matapihi (Tauranga, Ed) transmitter site." [*Thanks for that Andy! Will check those other frequencies BC*]

**BILL MARSH** Blenheim added: "This is usually associated with 2 stations sharing a common tower. The two frequencies add to cause an image but both signals are usually mixed. A classic example back in the 1960's was when 4ZA (820) came on air and shared the same tower as 4YZ (720) and mixed to provide a very strong signal on 1540. Took them years and a lot of pressure from Southland DXers to sort that out with filters." [*Thanks Bill. BC*]

**MIKE SMITH** Opunake has once again shown us his DX location is exceptional for deep South Americans! His special antenna is a EWE at 150 degrees with 7 metre verticals and about 20 metres horizontal, with 700 ohms to earth at the back end, and a 9:1 balun on the front. A bit bigger than standard but he can't complain on performance! He writes: "I think I'm just in a lucky spot where there is an "all over water" path across the South Taranaki bight, Cook Strait and beyond to South America. I recall years ago in the days of Bill Woller and Robin Chambers, that my family lived on a farm at Te Kiri where my Dad Ian (he also dabbled in a bit of DX) milked. I was only 5 or 6 years old...Bill and Robin had long wires erected there, and even though it was only 10km inland to the east from their home locations in Opunake, the reception of low powered east coast Yanks was far superior. Bill's favourite theory was that the presence of a layer of volcanic "ironstone" rock a couple of metres down had a beneficial effect on antenna performance. Who knows? 800 feet of wire connected to either an Eddystone or Hammarlund in those days was a hot set up anyway!" Mike has been trying to find a way to communicate with ZP1 920 which made a rare but very welcome appearance! Mike says their WRTH published email address doesn't work, and their website only gives contact phone numbers. He's now trying their Facebook page before resorting to NZ Post. Also writing up a log for R.Tres 780, trying to find out who the Brazilian on 760 is, and poring over the recording of what sounds to be WXEW 840 Radio Victoria. [*Robin and Bill were my DX idols in the 70's and they certainly established Taranaki as special DXwise! BC*]

**STU FORSYTH**, Mangawhai has done a little listening and logged KDIA 1640. Pretty ordinary, I will admit, but I realised I hadn't ever logged it and the signal and top of the hour id were so good that I couldn't resist! Now to get a verie. Off to the Catlins shortly, so hopefully will have more to report next month.

**BRYAN CLARK**, Mangawhai has been in his 'happy place', particularly over the Equinox week in late March, with new loggings of ZP1 Paraguay 920 and Nuevo Mundo Chile 930. Plenty of unidentified Latins recorded and waiting analysis.



## MEDIUM WAVE TRAIL

Thanks to all our contributors (\*\* indicates heard on the League SDRs in Russell):

- PWO** Paul Ormandy Oamaru DXing on the League SDR
- SG** Steven Greenyer Timaru Palstar R30A and 15m ewe to south of SA.
- MS** Mike Smith Oponake with National Panasonic DR31 and EWE at 150°.
- SMF** Stu Forsyth, Mangawhai with WinRadio G33DDC SDR and 5m EWE to NE.
- SMFT** Stu Forsyth, Titirangi (West Auckland) with AOR7030+ and 5m EWE.
- BCM** Bryan Clark Mangawhai using WinRadio G33DDC SDR and AOR7030+ with EWEs to NE, East & SE.

- 171 1758 MOROCCO Medi Un, Nador weak in FF 3/3. BCM\*\*
- 580 0847 ARGENTINA? UNID, suspect R. Chubut, talk and classical tenor vocals, diff to the R. Univ.del Cordoba webstream at the time. 31/03 MS
- 590 - ARGENTINA Radio Continental has been heard lately. MS
- 600 0850 BRAZIL Radio Gaucha presumed with PP talk 31/03 MS
- 640 0740 USA, KFI poor to fair with Coast to Coast 2/3 SMF
- 660 0810 USA KTNN 660 with ethnic Navajo programming 1/4. MS\*\*
- 660 0639 UNID? Good signal w/time checks & vocals on Argentine night.SG
- 670 0830 UNIDS! Big mix of stations, probably all the Argentinians 31/03 MS
- 670 0643 ARGENTINA Radio Nacional. Good with vocals 0700 nx "Nacional Informa" then FM with "Radio Nacional"- presumed higher powered LRA11. SG
- 680 0650 UNID LATIN? Sounded Peruvian but all other freqs had Argentine signals. Hammered by Christchurch on 675. SG
- 690 0800 HAWAII KHNR Honolulu HI. "The Answer" tlk show, mxd CBU? PWO\*\*
- 710 0842 CUBA Radio Rebelde stand out in mix // 5025 despite 711 slop. BCM
- 720 0647 USA KDWN Las Vegas NV w/tlk, in clear before 4YZ sunset. PWO\*\*
- 750 0630 Argentina. LRA Cordoba, strangely with time pips on half hour then classical style vocals good signal, mixed with another SS station. SG
- 756 0800 NZ Puketapu Radio observed w/Radio Dunedin 1305 relay on a Saturday night. BCM (passing through the town on 2/4)
- 760 0715 HAWAII KGU, Honolulu, C&W mx PWO\*\*
- 760 - UNID BRAZIL? PP, mentioned "Uberlandia" and a couple of other towns in promotional style. MS
- 770 0637 URUGUAY. Radio Oriental. Vocals then ID, fair signal. SG
- 780 0704 USA WBBM Chicago IL popped up over Latin. SG
- 780 0715 ARGENTINA LRA Buenos Aires. Classical style Ballads. SG
- 780 0851 USA KKOH Reno NV w/id "Newstalk 7-80 KKOH" fair PWO\*\*
- 780 0819 ALASKA KNOM Nome AK dominant w/EZL mx 1/4. PWO\*\*

780	0700	ARGENTINA R.Tres. good ID on the hour with address details. "Provincia Chubuta, Republica del Argentina" 29/3 MS
790a	0836	UNID on 789.958 w/ deep fading pattern 25/2. MWOffset list has XENT Radio Formula on this exact frequency. BCM
840	0714	ARGENTINA Radio Bahia with modern vocals, FM ann "Bahia" SG
840	-	ARGENTINA/UNID Radio Bahia Blanca hrd most nights, except one night had muddy SS audio mostly talk, mentioned "R. Victoria" and "Puerto Rico". Maybe WXEW – work to do. MS
850	0658	URUGUAY Radio Carve. Regular signal recently but up and down SG
850	0800	ALASKA KICY Nome English/Russian PWO**
850	0737	USA, KOA fair to good with Coast to Coast 2/3 SMF
860	0736	USA, KTRB fair to good with talk 2/3 SMF
870	0703	ARGENTINA Radio Nacional Buenos Aires Male announcer with sports news then ID by FM SG
880	0641	PERU Radio Union, Lima strong w/religious preaching in SS over US station 12/3. BCM
880	0704	HAWAII KHCM Honolulu clear in KK 1/4. PWO**
890	0729	ALASKA KBBI Homer ethereal music mxd unid C&W (KYWN Idaho?? 1/4. PWO**
910	0945	USA KKSF Oakland CA w/ 5 mins of advertising, then Rick Unger Show promo 18/3. Over presumed KECR w/inspirational orchestrals & Bible readings. BCM
910	0700	USA KKSF ID then i-heart radio promo, mxd others 1/4. PWO**
920	0801	CANADA CFRY Portage la Prairie MB C&W mx mxd KXLY Spokane on tlc 1/4. PWO**
920	0758	PARAGUAY ZP1 Radio Nacional del Paraguay w/ mx, indents, phone-ins, actualities in SS, thanks to Mike Smith tip 20/3 and following 3 nights. BCM
930	0802	URUGUAY Radio Monte Carlo w/ SS talks, idents, songs, over mixing unid 20/3. BCM MS also reports them w/romantic ballads, very strong at times
930a	0947	CHILE Radio Nuevo Mundo, Santiago hrd opening abruptly at 0947:49 on 18/3 and next 2 nights. Identifies as "Nuevo Mundo, somos la verdad". Freq 929.665 causing big het whine on 930. BCM
940	0734	BRAZIL Super Radio RBV, Rio, pr-fr w/relig tlc PWO**
940	0855	BRAZIL RBV with hymns on 150deg ewe, KFIG with Sports on 90deg ewe. 31/03 MS
940	0714	BRAZIL weak identified by Portuguese announcements. SG
960	0802	CANADA CFAC "Calgary's Sports Radio" mxd KKNT 1/4. PWO**
990	0830	FIJI Radio Fiji Gold peaking exc w/pops on NE EWE, but inaudible on SE and East EWEs. 15/3 BCM
1010	0805	CANADA CBR Calgary CBC Radio news mxd unid 1/4. PWO**
1050	-	URUGUAY Radio Nacional del Uruguay, usually here same time as Carve 850. MS
1060	0808	CANADA CKMX Calgary AB with comedy 1/4. PWO**
1070	0900	USA KNX Los Angeles CA like a local, excellent signal 29/3 SMF
1090	0619	USA KFNQ Seattle WA w/ ident "CBS Sports Radio KJR," strong now w/ iHeart Radio podcast promo 2/4. PWO**
1120	0730	USA KPNW fair with news. 2/3 SMF
1140	0738	USA KHTK Sacramento CA fair with sports. 2/3 SMF
1140	-	CHILE Radio Nacional heard a few nights at fair level. MS
1150	0728	USA KEIB Los Angeles CA fair/ poor with talk 2/3 SMF
1160	0604	PERU Onda Cero "musica nueva" SS pop vocals, regular ids 22/3 BCM



- 1160 0727 USA KSL Salt Lake City UT fair with talk 2/3 SMF  
1170 0820 USA, KLOK fair/ good with Hindi mx 6/3 SMFT  
1270 0736 HAWAII KNDI Honolulu Chinese prog w/ident PWO\*\*  
1280 0718 BRAZIL Super Radio Tupi, fr fading up/down w/PP tlk. PWO\*\*  
1280 0646 BRAZIL Super Radio Tupi fair in PP thru heavy 1278 slop 22/3. BCM. MS says Tupi is often strong when it shows up.  
1290 - UNID LATIN often here when Uruguayans are good. There is a 50kW Radio Nacional del Uruguay on the frequency. MS  
1300a 0815 UNID LATIN on 1299.6855 putting big het on 1300 18/3. Prgm of folk music that sounded Germanic or Central European. BCM  
1400a 0840 UNID LATINS on 1400.177 and 1400.273 on 22/3. Per RealDX, European DXers... Fredrik Douren, Franck Baste and Karel Honzik have identified these as Colombian Caracol Radio.Ipiales on 1400.20 and Ecuadorian Z-1 on 1400.27 kHz.. BCM  
1410 0810 CANADA CFTE Vancouver BC w/o rhinosafe.com advert, talk show about aliens 15/3. Has Coast to Coast AM after 8. plus Bloomberg promos. BCM  
1410 0818 CANADA CFTE Vancouver fair w/ Fox Sports Nx. PWO\*\* (?? See above – sports format dropped last year – who else with sports? Ed)  
1420 - BRAZIL Radio Guaruja often there, weak but in the clear. Carries a lot of sports talk in PP. MS  
1430 0727 USA KMRB San Gabriel CA in CC on measured 1429.992 28/2. BCM  
1430 0900 USA KLO Ogden UT fair with id anncts 28/2 SMF  
1470 0900 PERU Radio Capital, Lima w/ EE conversations & occasionally SS. Turns out to be a new overnight feature since early March on this regularly hrd station. Prgm is called the Marta & Mickey Show which helps teach English, originates at Vaughan Radio 100.4 FM in Madrid Spain. General chatter on a variety of topics, and Vaughan Radio ident hrd.12/3 BCM  
1500 0745 HAWAII KHKA Honolulu fair with sport 2/3 SMF  
1500 0630 USA KSTP St Paul Minnesota w/sports nx mxd unid 2/4 PWO\*\*  
1540 0744 USA KMPC Los Angeles CA fair/ good in KK 2/3 SMF  
1570 0915 MEXICO, XERF excellent with mx and SS anncts 29/3 SMF  
1580 0758 USA KBLA Santa Monica CA peaking vgd w/ contemporary Christian vocals in SS, identity as 'Kar, Bay, Elle, Aar 15-80' 4/3. BCM  
1580 0830 USA, KBLA excellent in SS with good id on hr 31/3 SMF  
1600 0759 USA KVRI Blaine WA w/Hindi vocals, brief EE id on the hour PWO\*\*  
1602 0509 UNID carrier on 1601.993 on 24/3 and 25/3 got us excited at the possibility of SER Cartagena being possible, but when the audio eventually faded up, it turned out to be Maori, possibly a spurious image from Moana Radio 1440 (refer to page 22 for possible explanation) BCM  
1610 0610 CANADA CHHA Toronto laid-back songs, // but ahead of the web stream 2/4. PWO\*\*  
1640 0900 USA KDIA excellent on 1639.988 with id at toh "This is 1640 KDIA Vallejo California" Wish they could all be like this one. It faded up rather than down on the hour! 29/3 SMF  
1690 0640 USA WPTX Lexington Park MD gd w/adult standards. PWO  
1700 0843 USA, KKLK (presumed) on 1700.003 Fair/ poor with mx 29/3 SMF



## NORTH AMERICAN X BAND AT-A-GLANCE 04/2019 (thanks to Tony King)

1610	XEUACH	Chapingo	MX	Radio Chapingo
	Carib	Beacon	Anguilla	EE religious. The late Dr Gene Scott /Mrs Scott
	CHHA	Toronto	ON	SS 'Radio Voces Latina' Fq ID in SS & EE
	CHRN	Montreal	QU	South Asian Format. Radio Humsafar
1620	KSMH	West Sacramento	CA	Rel. 'IHR (Immaculate Heart Radio) Sacramento'. " (6 Tx sites) SS .Distinctive 5 note chime on hour. Sync echo.
	R Rebelde,	Radio Rebelde	FL	News/Talk Fox News "News Radio 1620"
	WNRP	Gulf Breeze	IN	<b>Currently off air 02/19</b>
	WDND	South Bend	NE	Fox Sport "The Zone"
	KOZN	Bellevue	TX	'Newstalk 16-20 WTAW' Takes C-to-C AM
	WTAW	College Station	US	Virgin Is News/talk/gospel/country. Takes BBCWS o/n.
	WDHP	St Croix,	WA	Urban contemporary //KRIZ " Z Twins"
	KYIZ	Renton	GA	"ESPN Augusta"
1630	WRDW	Augusta	IA	News-talk-AC " The Mighty 16-30 KCJJ"
	KCJJ	Iowa City	TX	'Modern gospel music 1630 KKGm' IRN News
	KKGM	Ft Worth/Dallas	WY	SS 'regional mexican' ID " jota La Mexicana"
	KRND	Fox Farm	CA	Talk/religious/life issues
1640	KDIA	Vallejo	MS	ESPN Sport. "1640 WTNI Biloxi 'The Champ'"
	WTNI	Biloxi	OK	News/Talk
	KZLS	Enid	OR	Conservative Talk "Talk 1640"
	KDZR	Lake Oswego	UT	'K-Talk KBJA'
	KBJA	Sandy	WI	Rel. Catholic. " Relevant Radio 1640 AM"
	WSJP	Sussex	AR	Contemporary Christian
1650	KFSW	Fort Smith	CA	Radio Seoul. Korean/ EE ID on hour
	KFOX	Torrance	CO	SS Rel. Radio Luz
	KBJD	Denver	IA	"The Sports Station" 1650 The Fan
	KCNZ	Cedar Falls	QU	Evangelical Christian in FF
	CKZW	Montreal	ON	Indian. "Seena radio"
	CINA	Mississauga	TX	SS Sports/Talk ESPN. "ESPN Desportes 1650"
	KSVE	El Paso	VA	format from 3/18 UC:GOS
	WHKT	Portsmouth	CA	AOR (Album Oriented Rock)
1660	KBRE	Merced	FL	Relevant Radio
	WCNZ	Marco Is	KS	Sport/Talk " 'The Score'
	KWOD	Kansas City	MI	Fox Sports. "Kalamazoo 1660, The Fan"
	WQLR	Kalamazoo	NC	Classical Rock
	WBCN	Charlotte	ND	Fox Sports
	KQWB	West Fargo	NJ	Korean Gospel
	WWRU	Jersey City	Puerto Rico	'Faro de Santidad' SS Religious
	WGIT	Canóvanas,	TX	'KRZI ESPN Central Texas'
	KRZI	Waco	CA	SS religious . ESNE radio.
1670	KHPY	Moreno Valley,	CA	"News Talk Airs C2C/Fox
	KQMS	Redding	GA	"Fox Sport 1670 Georgia"
	WMGE	Dry Branch,	QU	Community/Children's Radio "Radio Oxigene 1670"
	CJEU	Gatineau	WI	"CBS Sports Radio "The Zone"
	WOZN	Madison	CA	ID slogan ""AM 1680 The Answer"
1680	KGED	Fresno	FL	Rel/ UC gospel 'Inspiration Radio'
	WOKB	Winter Garden	LA	"Classic Hits 1680 "LA105"
	KRJO	Monroe	MI	Talk ID " Public Reality Radio"
	WPRR	Ada	NJ	World ethnic" EE ID '1680 WTTM Lindenwold- Philadelphia"
	WTTM	Lindenwold,	WA	SS Religious. EE ID 00:10 after hour. "Radio Luz"
	KNTS	Seattle	CA	Rel. SS,Russian,Hmong EE ID on hr "KFSG Sacramento"
1690	KFSG	Roseville	CO	1690 KDMT Denver's Money Talk "
	KDMT	Arvada	GA	<b>Testing 01/19</b>
	WMLB	Atlanta	IL	Talk
	WVON	Berwyn	MD	Adult standards
	WPTX	Lexington Park	ON	Multilingual. Greek.
	CHTO	Toronto	QU	Campus community - college station
	CJLO	Montreal	US	VI News/Talk nets NPR (NRC say Silent 7/18)
	WIGT	Charlotte Amalie	AL	Urban contemporary Gospel "Huntsville's Heritage Station"
1700	WEUP	Huntsville	FL	World Ethnic. 'Radio Mega 1700'
	WJCC	North Miami Beach	IA	Sport 'The Champ'
	KBGG	Des Moines	MX	SS relaying XESDD ' La Tremenda 1030' <b>01/19</b>
	XEPE	Tecate BCN	NY	Community radio <b>reported silent</b>
	WRCR	Ramapo	TX	Tejano/Conjunto SS & EE " Kick 1700" 'Banda 13
	KKLF	Richardson-Dallas-Ft	TX	Fox Sports Radio
	KVNS	Brownsville		

# TV/FM NEWS & DX

Editor

Adam Claydon

Palmerston North

email

nzrdxltvfm@gmail.com



FM Notes from Bryan Clark, Mangawhai

Whangarei bandscan Feb19	Gisborne LPFM check Feb19
87.6 and 87.8 open carriers	87.6a Tongan or Maori - poor
88.1	87.9 The Switch FM
88.3	88.3 Coast
106.7	106.7 Spellbound Radio 106.8
107.1 Magic Music (not // 88.3)	107.5 ZMFM
107.3 The Sound	
107.5	
107.7 The Generator	

## Auction of AM & FM sound broadcasting spectrum licences

We announce details of Auction 17 following expressions of interest. One AM and four FM sound broadcasting spectrum licences will be auctioned. Auction 17 will be managed by Skylarc with the licences sold on the Trade Me website. The auction starts on 3 April 2019 and will run for seven days until 10 April 2019. The term of the licences are valid until 2 April 2031 provided the successful party meets the implementation criteria.

Licence Transmit Location	Frequency (kHz or MHz)	Reserve Price (Incl. GST)	Licence No
Mt Hutt (Ashburton)	105.3 MHz (FM)	\$1,451	265075
Lytelton (Chch)	104.5 MHz (FM)	\$3,252	265076
Lower Rotoroa (Waikato)	104.4 MHz (FM)	\$9,541	265682
Rotoroa (Waikato)	94.0 MHz (FM)	\$20,312	265683
Horokiwi (Wellington)	1566 kHz (AM)	\$26,664	265684

(Radio Spectrum Management Business Update - March 2019)

**Aussie FM DXer Will Renton** has forwarded notes on LPFM stations he monitored during a South Island holiday in early March. "DX wise, the best I managed on FM was Christchurch 89.7 from Bluff Hill lookout. I received 2NM and 2UE quite well on my new XHDATA portable from Clyde, Otago. Here are my notes from the trip:

**Cromwell:** 88.0, 107.0 with scrolling RDS.

**Alexandra:** 91.9 R Central (CENTRAL, PTY=DRAMA)

**Roxburgh:** 94.3 R Central (RDS)

**Lawrence:** 107.1 More FM (Goldrush on 1440 and 91.1 are gone)

**Dunedin LPFM:**

87.7 Country Radio; 88.3 UNID; 106.7 R Dunedin ; 107.0 (carrier); 107.1 George FM; 107.3 Total FM (RDS); 107.5 XS 80s; 107.7 Energy FM

**Palmerston:** Happy Days 88.3; also repeater in Waikouaiti (88.3).

**Port Chalmers:** 107.5 Rockit FM (very poor coverage).

**Balclutha:** 88.1 (did not catch ID); 88.3 Hokonui repeater; 88.9 Star; 91.3 Hokonui; 92.1 Life FM; 92.9/93.7 More FM; 96.1 Rhema.

**Stewart Island:** 106.7 3ABN? Also receivable from Bluff. No local LPFM in Bluff.

**Invercargill:** 87.7 Infinity FM QRT; new station ID - Chopper FM?

**Te Anau:** 88.3 'Te Anau FM', mainly continuous music. Stayed in Manapouri but no LPFMs on air there.

**Milford Sound:** 92.0 RNZ National on-air w/low modulation. No LPFMs on air.

There were probably some stations I missed - it was devilishly hard to tune the car radio whilst driving. I have uploaded videos of 107.0 Cromwell and 107.3 Total FM Dunedin to my YouTube channel as these had RDS:

[https://www.youtube.com/channel/UCjYg20FLGrhM6a\\_lkrO6zXw](https://www.youtube.com/channel/UCjYg20FLGrhM6a_lkrO6zXw)

I also noticed the total absence of tourist stations. I did catch one on the last trip in December 2017, at Wanaka on 88.2. Not sure if this is still on air as I didn't visit Wanaka on this trip.

**FM Logs from Brian Withers, Napier**

Brian Withers logs on Nad 4300 tuner with 5 element aerial height 7 meters high & whip 5 meters high in Napier, NZ.

**27/12/18**

91.5 at 01.40 UTC 2JJJ Grafton good.; 92.3 ABCRR Grafton good.; 93.3 2BBB Dorigo "country road 93.3 & 107.3FM" id with Spanish music fairly good.; 94.5 ABC Lismore with prog; detail & time check "country hour at 1.50pm" fair.; 95.3 ABC Classic Lismore fair.' 96.1 JJJ Richmond fairly good.; 96.3 2JJJ Manning river weak.; 97.9 ABC Classic Grafton fairly good.; 98.5 2JJJ Richmond mixed with ABC news fair.; 98.7 ABC Classic Manning river fair.; 99.3 ABC National Deniliquin fair.; 99.5 ABC National Grafton.; 99.7 music? with bad side band interference from local coast on 99.9.; 101.9 ABC Classic Batemans Bay poor 02.00 UTC.; 102.7 ABC National Mackay poor to weak.; 104.1 pops fairly good brief no id.

101.7 ABC Central West NSW fair.; 89.3 old pops 4CRB 02.40 UTC poor.; 89.9 Norfolk Island old pops "You are tuned to Norfolk Island" fairly good at 02.50 UTC.; 93.9 ABC Classic Norfolk Island poor.

**New Caledonia:** - 27/12/18

90.0 French pops; 92.5 France Inter good.; 93.0 New Caledonia fair. All gone by 03.23 UTC; 89.7 Concert Christchurch NZ weak with very deep fading weak signal with news at 10.00 gone by 10.30 UTC.

**28/12/18**

89.7 ABC news only 2 minutes poor.; 89.9 Norfolk Island live prog; 04.30 to 6.53 UTC good signal.; 90.0 1ère New Caledonia poor. 04.45UTC.; 91.5 1ère NC pops poor mixed with 2JJJ Grafton 04.45UTC then later JJJ on own.

**31/12/18**

New Plymouth came up 19.30UTC.; 90.0 His & 90.8 Hauraki fair signal.; 93.2 More FM very weak.; 95.6 Rock very weak.; 99.6 Peak FM weak.; 100.4 The Most poor.; 101.2 National

poor.; 103.6 Nui FM poor.; 104.4 Access Radio Taranaki very weak.; 88.9 with pops unid at 22.15 UTC.; 89.9 Norfolk Island at 21.55 UTC with live prog; "talking about country music show tonight" good signal.; 91.5 2JJJ Grafton at 22.00 UTC.; 92.3 ABC news Coffs; 92.3 ABC news Coffs Harbour.; 93.0 ABC; 94.5 2FBI Sydney.; 95.5 ABC.; 96.3 2JJJ Manning river.; 97.1 ABC Manning river.; 97.9 ABC Manning River.; 98.7 ABC.; 99.5 ABCNN Grafton.; 101.9 ABC.; 102.3 2ROX Port Macquarie strong.; 103.6 unid with pop.

### **1/1/19**

89.9 23.55 UTC Norfolk Island good signal until 01.33 UTC. Back 03.40 UTC.; 92.3 ABC Coffs Harbour fair 03.20 UTC.; 92.1 ABC National Hobart & 92.90 7JJJ both fair at 04.20UTC.; 94.7 2MCE? Orange with talk & music weak 24.05 UTC no id?' 96.1 2KY? pop music no id Bourke fair signal with sideband interference from local ZM 95.9.; 90.1 ABC Walcha with music weak interference from local Newstalk ZB 90.3; 90.9 ABC news fair Wollongong.; 94.1 2LIV Wollongong id" Nine Four One" weak.; 89.7 ABC Classic poor all Oz gone by 24.45 UTC.

### **3/1/19**

89.9 Norfolk Island 21.23 to 21.35 UTC fairly good. Back 22.28 UTC with live music programme.; 93.3 ABC with talking.; 89.7 3ABC talking Corryong.; 93.9 ABCN Tamworth.; 91.3 pops no id with interference from local Concert on 91.1 poor.; 98.5 ABC news Lismore.; 90.7 ABC weak.; 90.9 ABC weak.; 99.5 ABCNN Grafton.; 97.9 2ABC Classic fair.; 100.3 talking no id weak.; 100.9 2ZZZ Lismore id "100.9 ZZZ"; 92.9 ABC Classic Sydney; 103.2; 2CBA id "Hope FM 103.2 FM; 95.3 Smooth FM id "95.3" fair.; 96.1 One FM id "The Edge" Sydney; 96.9 Nova with pops fair signals; 104.1 with pops id "104.1 FM"; 98.9 2JJJ Wollongong.; 99.3 2ABC Classic Bega good signal.; 102.7 ABC Mackay fair.; 102.9 with pops no id.; 103.7 talking ABC.; 96.3 2JJJ Taree fair.; 89.7 Rhema Tamworth with id "Sandwich 89.7 Rhema best in Christian" music fair.; 89.1 Student type pop music very weak no id mixed with WSF with id of "101.7".; 89.3 pop music no id.

### **4/1/19**

89.3 Mai FM Gisborne 01.34 UTC very weak to weak gone by 01.50 UTC.; 89.3 ABC Mission Bay mixed 4CRB with old pops Gold coast fairly good from 02.03 to 02.33 UTC.; 89.7 ABC fair.

### **5/1/19**

89.3 Gold Coast with old pops id "4CRB" 24.03 UTC very weak to poor with interference from local Hits 89.5.; 94.5 ABC & 98.5 poor.; 89.7 ABC with Australia weather forecast with time check of "1.45 " weak to 01.05 UTC.; 94.5 ABC from 01. 33 UTC until 1.33 UTC poor.; 89.7 Pop music poor at 2.55 UTC for 2 minutes.

### **22/1/19 & 25/1/19 all day.**

89.3 Tk ZB poor; 90.9 ZM poor; 91.7 The Edge very weak; 92.5 Concert weak to poor; 93.3 Hauraki poor to very weak; 98.5 Breeze with bad interference from local Edge 98.3; 99.7 More poor to fair; 101.3 National weak. All Wellington FM.

### **1/2/19 all day Hamilton FM.**

91.4 Concert fair; 94.6 Life FM fair; 98.6 Hits fair; 101.1 National fair; 103.4 Niu FM poor.

### **21/3/19**

93.7 Bayrock Weak from Whakatane all morning with Wellington FM stations including 89.8 Kia Ora poor Palmerston North all morning.



# UTILITIES

Editor

Arthur DeMaine

Ashburton

email

nzrdxlutilities@gmail.com



As I complete this page it is the second to last day of March and daylight saving finishes next weekend on the 7th of April. Also at this time I am looking out all my Dxpedition gear and getting ready to head for a quiet spot in the south with three other members for a bit of Dxing.

## FREQ UTC DETAILS OF TRANSMISSION

8176	2130	VMC Australia Queensland coastal weather fair 17/03 ABD
8743	1830	Bangkok Meteorological Radio broadcast for shipping Golf of Thailand good 21/03 ABD**
8828	2016	Hong Kong Volmet woman with aero weather 2019 "Hong Kong Volmet out fair 25/03 ABD**
8867	0400	Auckland/United 870 selcal check good 21/03 ABD **
8867	2240	Qantas /141 Posn / afv cnt from on 123-900 23/3 RP
8867	0338	AKL/ Fiji254@ Crossing Posn cnt Nandi 8867 13261 23/3 RP
8867	0340	AKL / NZ765 adv from Boundary CNT Nandi Radio 8867-13261 23/3 RP
8867	0626	Qantas 148/ AKL Brisbane coms 13261-8867 com fmd 23/3 RP
8867	0633	Nandi / Fiji915 Nandi dv fl 340+eastmets 20/3 RP
8867	0646	Velocity 91 / AKL adv cnt roatonGA TWR 118-100 CNFMD 20/3 RP
8867	2250	ET Star234 AKL adv cnt Brisbane 13161 22/3 RP

## CONTRIBUTORS

<b>RP</b>	Roger Pryde, Dunedin	Icom R70, Yaesu FRG communications receivers, coms/rec 20 mtr L wire WW2
<b>ABD</b>	Arthur De Maine, Ashburton	Elad SDR 30ft long wire.
<b>ABD**</b>	Arthur De Maine, Ashburton	Northland SDR

## VOLMET STATIONS

Volmet stations provide meteorological information for aircraft in flight and is a worldwide network of radio stations that broadcast weather reports on shortwave frequencies. Reports are sent using automated voice transmission in the upper sideband. Pilots on international air routes use these transmissions to determine what procedures to use for descent, approach, and landing, such as a visual approach or an instrument approach.

The Volmet network divides the world into specific regions, and individual Volmet stations in each region broadcast weather reports for specific groups of air terminals in their region at specific times, coordinating their transmission schedules so as not to interfere with one another. Schedules are determined in intervals of five minutes, with one volmet station in each region broadcasting reports for a fixed list of cities in each interval. These schedules repeat every hour or in some cases ever half hour.

Volmet stations broadcasts are great for propagation measuring, since they have set schedules and frequencies all over the world and can give an clear indication of when propagation is strong or weak in different areas.

Arthur

# BRANCH NEWS

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

## WELLINGTON BRANCH

The next Beach Babble will be on **Wednesday, 24th April**, 12.45pm  
Beach Babylon Cafe, Oriental Bay, Wellington  
Join Dene and others to talk about what's what in the world of DX.



## DUNEDIN BRANCH

Our next meeting will be held on **Saturday 18 May 2019** from 2-4pm at Ian Wells' home, 16 Fenty Place, Mosgiel. At our last meeting we agreed to keep these semi-regular gatherings going, acknowledging that radio is becoming a much less important component of our discussions, which can be extremely wide-ranging and quite unstructured. Regular attendees and new members are always welcome.

Please contact Ian on 021 2987146 or [iwellsnz@gmail.com](mailto:iwellsnz@gmail.com) if you can come.



Continued from page 32 < [www.ontheshortwaves.com](http://www.ontheshortwaves.com) > Update, March 24, 2019 -- Under "DX History/QSLs & Other Station Memorabilia" we have posted an interesting letter QSL from, and some Radio News DX items about, KU5Q, a widely-heard military shortwave station on Guam that carried some broadcast-style programming during the postwar years. -- And under "Specialized Resources/Wavescan," there are three new Wavescan stories: (1) "What is the Future for VOA-Saipan? A Shortwave Station With Four or Five Callsigns" (Wavescan N523, March 3, 2019); (2) "Railway Radio in Canada: The Phantom Radio Era-2" (Wavescan N524, March 10, 2019); and (3) "The Radio Scene on Disputed Diego Garcia" (Wavescan N525, March 17, 2019).





# 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, March 3, 2019 -- Under "DX History/General Radio History," we have posted "Trinkets-VI," which contains the fronts and backs of various medals and similar items commemorating various radio events. They are: (1) "First Radio Broadcast" (not otherwise described); (2) "50 Years of Broadcasting" (KDKA); (3) "50th Anniversary of First Transatlantic Broadcast" (1923, KDKA to England on shortwave); (4) Centennial of Marconi's birth (1874-1974); (5) "Birth of Modern Broadcasting" (KDKA 1920); (6) "British Broadcasting Begins" (John Reith, 1927); (7) "International Radio Week," Jan. 24-30, 1926 (mediumwave); (8) 'Men from Mars' Invasion Scare" (1938); (9) "Broadcasting's Golden Anniversary" (NAB Convention, 1970); and (10) Centennial of the birth of Alexander Popov, 1859-1959 ("Russia's Marconi"). -- And in "Specialized Resources/Wavescan," Adrian Peterson continues his history of radio on Macau, in "The Radio Scene on the Islands of Macau-IV" (Wavescan N522, February 24, 2019).

< [www.ontheshortwaves.com](http://www.ontheshortwaves.com)> Update, March 10, 2019 -- Under "DX History/Recordings," we have posted brief off-air recordings of 11 Costa Rican shortwave stations. Alas, Costa Rica is no longer on shortwave. The last station to close down was the REE relay station in Cariari, which went dark in 2013. These recordings should bring back some memories. They were made in various years between 1975 and 1998. Index numbers [in brackets] are the ID locations. The stations: (1) R. 88 Estereo, Perez Zeledon, 6071.26 kHz, 1998 [:42]. - (2) R. Capital, San Jose, 4832 kHz, 1975 [:03]. - (3) TIQ, R. Casino, Puerto Limon, 5955 kHz, 1977 [:20]. - (4) R. Columbia, San Jose, 4825 kHz, 1983 [:14, 1:01]. - (5) R. Impacto, San Jose, 6150 kHz, 1983 [English :57]. - (6) R. Nacional de Costa Rica, San Jose, 6035 kHz, 1981 [:32]. - (7) R. Noticias del Continente, San Jose, 9615 kHz, 1979 [:42, 1:31, 2:04]. - (8) R. Nueva Victoria, San Francisco de Heredia, 6083 kHz, 1979 [:42, 1:11]. - (9) R. Reloj, San Jose, 6006 kHz, 1978 [:12]. - (10) R. Rumbo, Cartago, 6077 kHz, 1980 [:21, :41, 1:59]. - (11) TIAWR-R. Lira International, Alajuela, 9725 kHz, 1990 [Spanish :10, English :54]. -- Under "Specialized Resources/Wavescan," we present a story that was originally voiced in two parts in Wavescan: "Radio Australia Pennant Hills-Transmitter Usage-The Full Story" (Wavescans 515 & 517, January 6 and 20, 2019), PDF format. -- And on our "DXing Indonesia" page, under "Specialized Resources," we have added a recording of "Love Ambon," the song with which many RRI stations signed off.

< [www.ontheshortwaves.com](http://www.ontheshortwaves.com)> Update, March 17, 2019 -- On our HCJB tribute page (look for "HCJB, Quito, Ecuador" under "DX History/Stations"), we have added a new item under "HCJB Literature": a folder, issued in 1945 or soon thereafter, called "The Air--New Missionary Frontier." It contains highlights of HCJB history, plus some programming and organizational information, and a few photos. HCJB was founded in 1931, and in 1945 its strongest transmitter was 10 kw.

Continued on page 31