

	<h1 style="margin: 0;">New Zealand DX Times</h1> <p style="margin: 0;">Monthly Journal of the New Zealand Radio DX League (est 1948) August 2019 Volume 71 No. 11</p> <p style="margin: 0;">http://www.radiodx.com</p>	 
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Welcome to the August edition of the DX Times.

As mentioned on the front page of last month's edition of the DX Times, we were sad to learn of the passing of Wellington member, **Ralph Sutton** at the age of 96. Even though Ralph lived to a very good age, it is still sad to have to say goodbye. Tributes to Ralph appear at the beginning of the Musings column.

KTWR has been carrying out a series of DRM transmissions, some of which are aimed at New Zealand. Mike Sabin, Asia Broadcast Technical Operations Director, explains: KTWR is about to start regular DRM broadcasts to four different areas. We will do one day per week to each of four areas starting **5 August 2019**. We will be working with the content server parameters to come up with the best compromise settings for each area. Each week will have different settings. **We would really appreciate your feedback** for as many weeks as possible. Your assistance will ultimately help give your fellow listeners the best possible reception in the long run. For now, all programs will be in English.

The schedule will be as follows, starting the week of 5 August through the end of the A19 broadcast season:

Day	Freq	Time	Region	Power
Monday	11580kHz	1215-1245UTC	South Asia	90kW
Tuesday	11995kHz	1026-1056UTC	ANZ/South Pacific	50kW
Wednesday	11995kHz	1026-1056UTC	China	50kW
Thursday	11995kHz	1026-1056UTC	Japan/Korea	50kW

Mike later reported that one of the technical personnel had posted information about a DRM app. It is to be found here: <http://ktwrdrm.blogspot.com/> - however, I have reproduced it on page 2. The diagram may be a bit small, so do look at the blog page.

I personally do not understand what it is all about, but that is hardly surprising. I am sure that those with a more technical bent will know exactly what is going on and will be able to explain it to the rest of us!

Thanks to Mike Sabin for the information and please, if possible, give him feedback.



Deadline for next issue is Wed 28th August 2019. P.O. Box 178, Mangawhai 0540

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

September Wednesday, 28th August

October Wednesday, 25th September

November Wednesday, 31st October

**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.**



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via Google Images*

Tune in with the DX League's SDR:

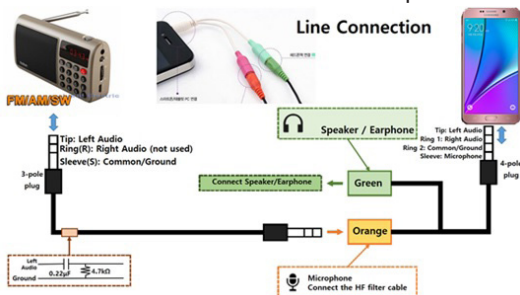
<http://kiwisdr.northlandradio.nz:8074/>
<http://kiwisdr.northlandradio.nz:8075/>
You will need the password - write to
nzdxdldr@gmail.com for details.

DRM Decoding App!

If you would like to lighten the load of your DRM reception hardware, you could off load the work of decoding with a new Android based DRM decoding App. 'DRM30' FREE
<https://play.google.com/store/apps/details?id=com.algorkorea.app.drm1> or DRM+' \$1.99
<https://play.google.com/store/apps/details?id=com.algorkorea.app.drmplus>

Although air coupling the demodulated DRM Audio between the receiver speaker / headphone and the microphone input of the Smartphone / Tablet will work to some degree. Likely ambient noise will be introduced causing the decoding to be less than ideal. Holding the smartphone microphone near the demodulated DRM output is a quick way to check the SDC. A direct cable or even a filtered line may be needed to decouple Phone / PC / Receiver noise for a solid MSC and audio decode.

If you use a headphone / microphone multi pole plug, the decoded DRM audio will automatically route to the Headphone jack, so an Audio Switching App (many available on google play store) can be used to route audio to the main speaker of the phone.



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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MUSINGS



Editor

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Mangawhai**

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As mentioned on the front page, it is with great sadness that we report the passing of Wellington member Ralph Sutton at the age of 96. Active until the end, Ralph was a liked and respected branch member. He regularly attended the Beach Babble sessions in the capital.



A recent Beach Babble with Ralph on the right

It was sad news indeed to learn today of Ralph's passing. He had been a stalwart of our Wellington Beach Babbles up until 2 months ago when he informed me that he could no longer attend our gatherings as he had lung cancer. He was always a welcome cheery face at our meetings and was still very active for his age. He always drove to our meetings from his home on The Terrace in Wellington down to Oriental Bay. Not bad for a 95 year old. I found out about Ralph's passing from The Dompost (Wednesday) today when reading the newspaper at the Beach Babylon. As it turned out Neil and I had planned to visit Ralph after our meeting today not knowing that he had passed on Saturday, but alas that won't be happening now. Mentally Ralph was full of spirits and was looking forward to still welcoming visitors. Messages can be sent to Ralph's family at 12C Herbert Gardens, 186 The Terrace, Wellington 6011 or by email to 7j5aan@gmail.com.

Dene Lynnberg, Wellington

That's a familiar name. RIP Ralph.

Mike Smith, Opunake

Ralph Sutton was a stalwart of the Wellington NZRDXL Branch in the 80's. A great innings, Ralph, almost scored a century. RIP OM.

Andy Gardner, Kirwee

Oh no...so sad. He will be missed. RIP Ralph. Beach Babbles will no longer be the same. Remembered. **David and Jo Ricquish, Wellington**

Mike Smith in Opunake continues his convalescence and checks in with a very welcome email. He initially told me he had heard and verified Radio Cordillera, Botogtá on 1190, via their Facebook page, and on a warm winter's day he discovered his receiver has shortwave bands! I had to hold on to the table when I read this.

He then told me: I put up another ewe before the surgery looking at the southern ocean between Antarctica and Tasmania - it comes up the other side at Madagascar. I've got this silly idea that there might be an early morning path to southern Africa just like the one to Brasil on the other side of the pole. I've just got to get out of bed at 5 am now...

When I suggested 5 am doesn't exist, he replied: I'm told 5am does exist but I haven't made it out to the shack before 6.45. And the Aussies are too strong to let anything else through. Still, one of these days.... I got a good logging of LS11 on 1270 (Radio Provincia de Buenos Aires) yesterday as you will have seen on the DXDialog group. All email addresses from their website, and the one given in the WRTH bounce, so I've sent a report and sound clips on Facebook Messenger.

We're off to Tauranga by road in about an hour - grandchild number 8 arrived there earlier in the week so we are going to meet her. I'm progressing pretty well, feeling quite good, even managed to attend our theatre singing group session last night and get a couple of songs out. I'm back to work part time from this Tuesday, will be good to get back into it (for a while). *Mike, that is a great verie to get and another fine logging. Good luck getting the verie back. Warmest congratulations from all of us on the birth of your granddaughter. We are glad the recovery is progressing nicely and don't do too much at work - take it steady.*

Bryan Clark in Mangawhai received an eQSL from Charleston Radio International 5140 after 12 months.

At the beginning of July I managed a quick listen to the Japanese MW band on my Tecsun PL-390 whilst staying in the mountains 150km northwest of Tokyo. Nothing tried on FM as I hadn't thought in advance to see if I could temporarily modify the receiver's FM coverage down to 64mHz. Our stay in Tokyo conveniently coincided with the opening of a special Sony exhibition marking the 40th anniversary of the Sony Walkman - a youtube of the display can be seen at www.youtube.com/watch?v=3_hTljUpuOY I used Walkman recorders in the 1980s and 90s as part of my DXing set-up.

Back home the MW conditions from the Americas have been quite good, but the cooler weather has discouraged trips out to the garage/shack. Roll on the end of the year when I will have a radio desk indoors!

[Not long to go now until you don't have to venture out into the cold. Does it get cold in Mangawhai, I hadn't noticed!]

Tony King chimed in from **Greytown**. He sent me a trail of what he has been hearing. It is the usual exotica (for most of us). He commented on Vaughan Radio on 1470: BDC will possibly confirm that Vaughan has had its contract terminated. A format that most probably didn't fly in Peru, particularly as they often referred to the daily weather in Madrid, and local listeners probably couldn't be bothered with the the banal chatter from the self congratulating presenters. *[That probably applies to most stations in New Zealand too - I wish their contracts were terminated!]*

He goes on to say: have been sitting on 1490 and 1600 between 05 and 06 trying to get a dominant to ID but have so far had no luck. Thought I had one on 1490 good enough to decipher but even the brains in the same state in the US couldn't identify my recording apart from it being in SS. There are eight SS stations on 1490. *[It is great what you can hear on your set up. [I wish I could hear as much. I too have listened to 1600 extensively. I can hear music and that is that. Much past 0600 and 1593 obliterates the frequency. Good luck with*

identifying 1490.]

Douglas Johns in Christchurch calls in and says: The sun is shining - first time we've seen it for a week !!!! Makes a change from fog. Not a lot to report - just a couple of email QSLs for logs via Stateside SDRs - KUZZ 550 and WVOM 1450. [*Great to hear from you, Douglas. A couple of nice veries to add to the collection.*]

John Durham of Tauranga on sending in his shortwave column also asks me Enjoying the cold ? Dont you wish you were back in the tropics ! (*The answer to both questions is no!*)

A couple of QSLs in over the last month Radio Rasant Germany via Roumania 7290kHz Letter opened by NZ Customs and an email from Elmer Fudd !!!!! from German broadcaster Radio Charleston International 5140kHz.

Next month John will be in Australia visiting the Northern Territory, or The Top End, as its known and North Queensland. [*Enjoy the trip, John and we look forward to any news. I guess with Nth Queensland that would rule out a Southland Tech Old Boys' Reunion with the Kiwi/ Aussie in Kingaroy!*]

Your **Chief Editor** left the verdant pastures of Mangawhai to explore the island of **Niue**. Not a lot to report other than to say Niue is stunningly beautiful, slow paced and basic, although our resort was very nice. DXwise, I didn't do a lot. Apia was there every evening on 540, A3Z in Tonga was there all day on 1017 and the Cook Islands weren't there at all on 630, but apparently A3Z is blocked by the mountainous terrain on Rarotonga.

There were two local FM outlets running in parallel, Radio Sunshine on 91 in Alofi and 88.6 at the other end of the island. Shortwave wise, I only listened for RNZI and that came in beautifully on all frequencies as scheduled, unsurprisingly. I was far too busy reading, swimming, eating and drinking to do any serious DXing. It would be a great place for a DXpedition - take your own EWEs. Veries have come in from RNZI 11725 and National Radio 819, 918, 1188 and 1314. Nothing exotic- but, hey, if you don't listen, you can't report!



The lengths Bryan will go to to hear FM! Bryan Clark at the Sony Exhibition in Tokyo.

BANDWATCH UNDER 9MHZ



Editor
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Dunedin

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August already! Where has the year gone? Some fine catches reported this month, with an impressive listing from John Mainland. 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.

kHz	UTC	Country, Station, Programme, & Reception Details
3310	1100	BOLIVIA R Mosoj Choski poor with music 21/7 JJD**
4900	1445	CHINA Voice of the Strait fair in CC dialect 5/7 JM
4940	1435	CHINA Voice of the Strait news service fair in CC 5/7 JM
5010	1110	USA AWR via WRMI Okeechobee in SS with ID 2/7 BC
5025	0422	CUBA R Rebelde fair in SS with EE pops 20/7 IDW**
5040	0420	CUBA R Habana strong in SS talk 20/7 IDW**
5055	0717	AUSTRALIA Radio 4KZ FM, fair with re-broadcast of their Brisbane FM channel, local advts, many IDs 17/7 KAB**
5860	2030	KUWAIT R Farda fair in Persian 27/6 BC
5910	1907	ROMANIA RRI fair in Ukrainian 28/6 BC
5910	1920	ROMANIA RRI poor in Ukrainian 11/7 JM
5915	0500	ZAMBIA Radio 1 poor with News in local language 29/7 JJD**
5935	0740	USA WBCQ fair in EE 10/7 BDW
5950	2040	FRANCE KBS Radio via Issoudun fair in FF for West Africa 27/6 BC
5970	0224	USA, WEWN Catholic Radio (tent) fair with SS comment, 22/6 KAB**
5985	0410	USA NHK World Radio via Okeechobee strong in SS with full ID 20/7 IDW**
5985	1935	CHINA CRI poor in PP for Sth Africa, off 1956 11/7 JM
5985	2005	CHINA CRI poor in EE for East Africa 3/7 JM
6010	1910	JAPAN NHK WS fair in JJ 11/7 JM
6020	2005	CHINA CRI fair in Polish for Europe 11/7 JM
6055	1130	JAPAN R Nikkei First Prgm, fair in JJ 15/6 JM
6065	1335	CHINA CNR-2 fair in CC 3/7 JM
6070	1115	NORTH KOREA Voice of Korea via Konggyo fair in JJ 15/6 JM
6080	0255	ROMANIA RRI fair in SS for America 4/7 JM
6080	2015	TAJIKISTAN RFA via Dushanbe fair in CC // 9535 9/7 JM
6090	1110	JAPAN NHK World Service fair in Korean 15/6 JM
6100	2005	CHINA CRI via Xian fair in Arabic 9/7 JM
6110	1905	CHINA CRI via Xian fair in Russian 3/7 JM
6110	2050	ETHIOPIA R Fana fair in local languages, phone-in prgm with requests 8/7 BC
6120	0415	AUSTRIA AWR weak in (presumed) Turkish via Moosbrunn 20/7 IDW**
6140	1715	CHINA CRI very good in EE 21/6 BDW
6140	1905	INDIA AIR Bengaluru fair in Urdu with music 4/7 BC

6155 0440 GERMANY AWR via Nauen fair in FF 4/7 BC
6165 0410 CUBA R Habana fair in EE with commentary 20/7 IDW**
6165 1455 CHINA CNR-6 fair in CC with classical music 3/7 JM
6170 2000 ROMANIA RRI poor in FF 9/7 JM
6170 2030 ROMANIA RRI fair in EE 22/6 BDW
6180 0403 ROMANIA RRI strong in Romanian with news incl 50th anniversary of lunar landing – excerpt in EE from Neil Armstrong’s “small step for man, etc” 20/7 IDW**
6185 0358 MEXICO XEPPM R Educacion (tent) weak in SS 20/7 IDW**
6195 0421 USA NHK World Radio via Cypress Creek in SS 4/7 BC
6295 0446 USA hobby pirate XFM Shortwave fair, email address & listeners’ emails 30/6 JJD**
7205 0340 SUDAN Sudan Radio (tent) fair in AA with music 20/7 IDW**
7215 1330 CHINA CRI via Xian fair in CC for South East Asia 5/7 JM
7215 2107 ALBANIA CRI in AA for Egypt 27/6 BC
7230 1350 CHINA CNR-1 good in CC // 6125 5/7 JM
7240 1730 SAUDI ARABIA BSKSA good in Persian with talk & Koran 17/5 JM
7265 2040 CHINA, CRI (tent) fair in Esperanto, Chinese music, off 2027 13/7 KAB**
7295 2031 CHINA, CRI fair in English with comment on CC models, Full ID, 4/7 KAB**
7300 2108 GERMANY, HCJB R Akbar fair in Moroccan? ID at 2114 23/6 KAB**
7315 0433 VATICAN R Dabanga via Santa Maria di Galeria fair in AA 21/7 IDW**
7325 0400 ROMANIA RRI good in Romanian 1/7 BDW
7325 0400 ROMANIA RRI good in Romanian // 6180 poor 21/7 JJD
7325 0439 ROMANIA RRI fair in Romanian w/talk & music 11/7 SMF
7335 0335 USA R Marti strong in SS with talk // 7435 weaker 20/7 IDW**
7335 0440 USA R Marti fair in SS with music prgm 11/7 SMF
7350 0045 OMAN BBC WS weak but intelligible in EE 21/7 IDW**
7375 2019 GUAM AWR fair in Russian 5/7 BDW
7385 1440 CHINA CNR-5 good in CC // 5925, s/off 1705 2/7 JM
7385 2105 CHINA, CNR-5 and China PBS, (both tent). Both on the same freq., one in Mandarin with music, the other in Tibetan, 14/7 KAB**
7410 1155 PHILIPPINES FEBC via Bocaue good in Khmer, s/off 1200 1/7 JM
7415 1715 IRAN VOIRI good in AA 15/6 JM
7425 2107 SAUDI ARABIA, BSKSA, excellent with Holy Koran in AA, (Tent), 29/6 KAB**
7435 0354 USA R Marti good in SS with music for Cuba 26/6 BC
7440 2020 CHINA CRI fair in CC for Europe 15/7 JM
7465 1650 SINGAPORE BBC WS good via Kranji in Pashto 15/6 JM
7470 0420 NORTH AMERICAN HOBBY PIRATE YHWH anti-Christian rants, theme song, very weak. Anncr mentioned he’s been heard in Europe and Australia (perhaps more likely an Aussie listening on a North American SDR?) Closed 0429 10/7 after anncr says “standby” several times. Irregular transmissions and best chance for our reception is when YHWH runs past 0500. BCM**
7475 1650 KUWAIT R Liberty fair in Tajik, s/off 1700 19/6 JM
7485 0314 MOLDOVA BBC Persian Service via Kishinev-Grigoriapol fair w/surging signal, frequent references to Iran. s/off 0329 then closed. // 7360 ex Sofia poor. 11/7. BCM
7485 0325 MOLDOVA BBC WS weak in Persian (tent) until off 0330 20/7 IDW**
7580 1750 MOLDOVA R Ranginkaman via Grigoriopol fair in Persian 26/6 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

BC	Brian Carr	Christchurch	Icom IC-R70, EWE
BCM	Bryan Clark	Mangawhai	WinRadio G33DDC, AOR7030+ and EWEs to North, Central & South America.
BCM**			Using the League's Northland SDR
BDW	Brian Webb	Upper Hutt	DE-1103 & AR-1733 with whips
IDW**	Ian Wells	Mosgiel	**Using the League's Northland SDR
JJD	John Durham	Tauranga	SDRPlay RSP2pro, Eavesdropper trap dipole.
JJD**			Using the League's Northland SDR
JM	John Mainland	Wellington	Kenwood R-1000, 20m longwire North-South
KAB**	Ken Baird	Wainuiomata	** Using the League's Northland SDR
SMF	Stu Forsyth	Mangawhai	Winradio G33DDC with 5m EWE

Contributions to this column may be sent to nzrdxlover9@gmail.com or direct to the editor, Ian Wells, at iwellsnz@gmail.com or via snail mail to P O Box 178, Mangawhai 0504.

BANDWATCH OVER 9MHZ

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Levin

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If unsure of ID, item should be marked 'tentative'. Please avoid duplicate items appearing in consecutive edit

kHz UTC Country, Station, Programme, & Reception details.

9330	0409	USA, Brother Stair good in EE with Trump peddling his usual nonsense. 29/6 SMF
9265	0320	USA, WINB.(Red Lion [York] PA) to N.Am, relg instruction – 27/6 BC
9330	0436	USA WBCQ. Good with Free Radio in English – 27/6 BDW
9330	1045	USA, WBCQ (Maine). EE, ID, good – 21/6 JM
9420	0330	GREECE VOG. Jazz, then info local style music, VG signal 28/7 MS
9420	0406	GREECE, Helliniki Radiophonia good with Greek mx to Nth America 29/6 SMF
9420	1245	CHINA, CNR 6 (BEI). In Chinese, // 6165, fair – 5/7 JM
9440	0305	OMAN, BBC. Fair in English nx incl comment re NZ/England cricket score – 16/7 KB
9440	0320	UAE, BBC World Service. EE regional news. Ex signal, ID at 0330 28/7 MS
9440	1255	CHINA, CRI (KUN). In Khmer, close 1257, fair – 5/7 JM
9470	0150	CHINA, CRI. In EE "Beijing Hour", poor, off 0200 – 20/6 JM
9500	2126	CHINA, CNR1, fair with female singing in Mandarin (Tent), ,20/7 KABL

9515 0310 TURKEY, VOT. EE talk on local history, then into listeners' letters at 0315 VG 28/7 MS

9515 2148 CHINA, CNR2 weak with talk in Mandarin and music (Tent), 20/7 KABL

9525 2008 CHINA CRI. (BEI). In Russian – 27/6 BC

9535 0400 CUBA, R Habana Cuba fair in SS //11700 not as good. 29/6 SMF

9535 1405 CHINA, CRI (KUN). In Indonesian, fair – 23/6 JM

9545 0410 SOLOMON ISLANDS SIBC Honiara reactivated, good w/advts & station promo for "SIBC.. Voice of the Nation, on air and on-line" 16/7. Closed just before 0500. Regular since, including 2257 on 16/7 when fair. BCM

9555 2325 CHINA, CRI (BEI). In Chinese, fair - 1/7 JM

9570 1435 STH.KOREA, KBS (KIM). In Indonesian, fair – 23/6 JM

9585 1505 CHINA,CRI (XIA). In JJ, off 1600, fair – 23/6 JM

9690 2015 FRANCE, RFI. In Hausa, off 2030, fair – 4/7 JM

9720 2308 EGYPT, R Cairo (Tentative) Poor in PP to Sth America. Presume it is this as other stns of the freq are RFA and China with a Jammer. 1/7 SMF

9760 1235 CHINA, CRI. Good in English – 14/6 BDW

9760 2025 GERMANY, AWR (NAU). Tentative. In FF, poor – 20/6 JM

9760 2310 ROMANIA, RRI fair/poor in SS to Sth America with talk and wooden flute mx. 1/7 SMF

9790 0402 CUBA. RCI fair in Cantonese with talk. 29/6 SMF

9790 2105 FRANCE, RFI. Fair in French; // 7205 – 10/7 KB

9810 1115 CHINA, CNR-2. Business Radio in Chinese, off 1230, good – 1/7 JM

9810 1320 CHINA, CNR-1 (NNN). In Chinese, fair – 5/7 JM

9865 2312 CHINA, CRI fair in Mandarin to Europe. 1/7 SMF

9870 0130 TURKEY, VOT (EMR). In Spanish with Turkish songs – 3/7 BC

9870 1435 CHINA, CRI (XIA). In EE, NF, fair – 19/6 JM

9880 0250 ARMENIA, BBC (Gavar). In Dari to Afghanistan – 1/7 BC

9900 0403 IRAN, IRIB fair/poor in AA. 29/6 SMF

9910 1425 ARMENIA, TWR- India (via Gavar). In Bhojpuri, off 1430, good – 19/6 JM

9910 2118 INDIA, AIR Bangalore v good with music and speech in English, (Tent), 14/7 KAB**

9915 0405 MADAGASCAR, BBC fair/good in EE to E Africa. 29/6 SMF

9930 0349 USA, WBCQ very strong and clear with country music (From info in DX Dialog). Rated variously at 100, 200, or 500Kw? 23/6 KAB**

11560 0230 INDIA, AIR (BGL). In Pashto – 3/7 BC

11560 0411 INDIA, AIR Bengaluru fair in Farsi for Iran. 29/6 SMF

11650 0355 MADAGASCAR, R.Tamazuj. Mostly good in AA, spoken prgm w/one song; Sudan refs; MA & FA with sked. ID & close 0429 – 16/7 KB

11650 0430 MADAGASCAR. R. Dabanga. Good at s/on – 16/7 KB

11660 0235 IRAN, VOIRI (SIR). In Spanish; gone 0250 – 3/7 BC

11700 0010 SINGAPORE, BBC. In Burmese, good, - 2/7 JM

11750 2113 GUAM, AWR (KSDA) v good with male in Mandarin (Tent), 29/6 KAB**

11760 1205 CHINA, CRI. Very good in English – 14/6 BDW

11800 2320 ROMANIA, RRI Fair/good signal in SS to Sth America. Good ID at 2320. //11990 Good but not listed on HFCC, EIBI or AOKI. 1/7 SMF

11850 0413 CUBA, R Habana Cuba Fair/good in SS.29/6 SMF

11865 2123 NTH KOREA, V of Korea, weak with speech in Japanese (Tent), 20/7 KABL

11875 1005 CHINA, CRI (KUN). In Cantonese to Pacific, // 12005 kHz - 10/7 JM

11905 0032 SRI LANKA SLBC Trincomalee w/Hindi vocals till closing 0130 after “Sri Lanka Broadcasting Corporation” ident. Initially clear and fair, after 0100 over presumed CNR w/continuous pops 20/7. BCM

11910 2109 JAPAN, NHK R Japan fair with male comment in Japanese, (Tent), 14/7 KAB**

11940 2130 SPAIN, REE. Good in Spanish; 2200 prgms in EE & FF; //12030 f/p – 24/7 KB

11950 1310 CHINA, CRI. Good in multi-languages half hour – 14/6 BDW

11955 2236 GUAM, AWR. Poor in Indonesian – 21/6 BDW

11955 2300 CHINA, CRI. Excellent in English – 21/6 BDW

11985 2110 SAIPAN, RFA good with male in Korean with comment, (Tent), 29/6 KAB**

12005 1055 CHINA, CRI (KUN). In Cantonese – 10/7 BC

12030 2119 SPAIN, REE very strong signal, clear with male in Spanish with comment (Tent), 26/6 KAB**

12035 0316 KUWAIT, VOA Deewa R. In Pashto – 8/7 BC

12040 2223 GUAM, AWR. Poor in Sudanese – 21/6 BDW

12050 0350 IRAN, VOIRI (SIR). In AA past 0400, poor (// 12160 17/7) – 28/6 JM

12050 0417 IRAN, IRIB monster carrier but v poor audio in AA. Off at 0420. //12160 same 29/6 SMF

12070 2300 PHILIPPINES, FEBC (IBA). In Chinese, opening b’cast, poor – 4/7 JM

12095 0125 SINGAPORE, BBC WS. In EE, poor – 3/7 JM

12095 0400 OMAN, BBC. Good/fair in EE; ID, nx, Boris Johnson cabinet shuffle – 25/7 KB

12095 0418 OMAN, BBC fair/gd in EE – signal deteriorated a little. Became much noisier. 29/6 SMF

12095 2040 ASCENSION ISL, BBC. Poor/weak – 10/7 KB

13650 2315 JAPAN, R Japan fair/poor in Thai. Condx v noisy on 22m 1/7 SMF

13720 0713 JAPAN, NHK R Japan v good with 2 males commenting in Japanese, (Tent), 17/7 KAB**

13755 1505 CHINA, CRI (KAS). In Chinese, NF, poor – 19/6 JM

13760 0430 KOREA (NORTH) Voice of Korea in EE w/prgm of operatic songs, fair // 15180 poor, 11735 poor in noisy conditions 17/7. Sked 0400-0457. BCM

13760 2320 NTH KOREA, VoK fair/poor in kk. 1/7 SMF

15030 0215 INDIA, AIR (BGL). YI talking in Kannada – 3/7 BC

Contributors

BC	Brian Carr	Christchurch	ICR R-70. EWE antenna..
BCM	Bryan Clark	Mangawhai	WinRadio G33DDC, AOR7030+ and EWEs to North, Central & South America.
BDW	Brian Webb	Upper Hutt	DE-1103 & AR-1733 with whips
JM	John Mainland	Wellington	Kenwood R-1000, Long wire N/S, 20m
KABL	Ken Baird	Wainuiomata	Tecsun PL-310ET, with 15m wire
KAB**	Ken Baird	Wainuiomata	NZRDXL SDR Russell, Northland.
KB	Kelvin Brayshaw	Levin	2 x PL-660s. Whips linked.
MS	Mike Smith	Opunake	Panasonic DR-31. East EWE
SMF	Stu Forsyth	Mangawhai	WinRadio G33DDC connected to a 5m EWE

Your input much appreciated, thank you.

73, *Kelvin*

ENGLISH IN TIME ORDER

Editor

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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
0045	7350p	BBC WS	UK	21-Jul	IDW**
0125	12095p	BBC WS	UK	3-Jul	JM
0150-0200	9470p	CRI	CHINA	20-Jun	JM
0305	9440f	BBC	UK	16-Jul	KB
0310-0315	9515g	VOT	TURKEY	28-Jul	MS
0320-0330	9440	BBC World Service	UK	28-Jul	MS
0400	12095g	BBC	UK	25-Jul	KB
0405	9915g	BBC	UK	29-Jun	SMF
0410	6165f	R Habana	CUBA	20-Jul	IDW**
0418	12095g	BBC	UK	29-Jun	SMF
0430	11735p:13760f: 15180p	Voice of Korea	NTH KOREA	17-Jul	BCM
0436	9330g	WBCQ	USA	27-Jun	BDW
0740	5935f	WBCQ	USA	10-Jul	BDW
1045	9330g	WBCQ	USA	21-Jun	JM
1205	11760g	CRI	CHINA	14-Jun	BDW
1235	9760g	CRI	CHINA	14-Jun	BDW
1435	9870f	CRI	CHINA	19-Jun	JM
1715	6140g	CRI	CHINA	21-Jun	BDW
2005	5985p	CRI	CHINA	3-Jul	JM
2030	6170f	RRI	ROMANIA	22-Jun	BDW
2031	7295f	CRI	CHINA	4-Jul	KAB**
2118	9910g	AIR	INDIA	14-Jul	KAB**
2300	11955e	CRI	CHINA	21-Jun	BDW



SHORTWAVE REPORT



Editor

John Durham

Tauranga

email

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AUSTRIA

Oesterreichischer Rundfunk ORF-1 in 49mb, August 3

0500-0610 on 6155 MOS 300 kW / non-dir to WeEu German Sat/Sun, very good.

SM Radio Dessau will be on air via ORS Moosbrunn on August 18 1100-1200 on 6070 MOS 100 kW / non-dir to CeEu German Sunday. (Via swldxbulgaria.blogspot.com/2019/08)

CHINA

TIBET 29 38 54 N 91 14 53 E Lhasa-Baiding # 602 site 594 1134 1377 kHz 300 kW

SW 13 x 100 kW, curtains,> also NVIS skywave fountain mountain type antennas visible.

Summer maintenance break is over at Lhasa Xizang, is back on air since yesterday July 28:

Chinese 2000(Tu.2100)-1800 UT (not Tu. 0600-1000 UT)

2230-2300, 0030-0100, 1030-1100 UT relay of CNR1

11950 (290d) 0158-0857 - 7240 (290d) 2000-0157, 0858-1800,

11860 (085d) 0258-0857 - 7450 (085d) 2000-0257, 0858-1800,

6050 (nd), 5935 (085d), 4820 (nd) 2000-1800 UT

Tibetan 2050(Tu.2100)-1805 UT (not Tu. 0600-1000 UT)

2300-2357, 0400-0457, 1300-1357 UT relay of CNR11 in Tibetan

0700, 1600 UT in English "Holy Tibet"

9490 (085d) 0200-0957(not on air at 07.20UT July 29)

7255 (085d) 2050-0200, 0958-1805 UT

7385 (290d) 2050-0200, 1000-1805 - 9580 0200-0928 UT

6200 (85), 6130 (290d), 6110 (220d), 6025 (268), 4920 (nd), 4905 (nd)

Checked appearance of the various SW channels yesterday, due of usual summer maintenance break of the broadcast center facility #602 in Lhasa-Baiding, at difficult weather conditions, 250 freezing days a year mostly, in height of 3700 meters ASL / 11,840 ft.

(Via Arthur Delibert Vineyard Haven, Massachusetts, USA. HCDX)

GERMANY

New Shortwave Radio for Europe. Very weak signal in 49 mb, August 3:

from 0959 on 6160 WIS 001 kW / non-dir to NWEu English-unscheduled transmission

1600-2200 on 6160 WIS 001 kW / non-dir to NWEu English new schedule from May 17

(Via swldxbulgaria.blogspot.com/2019/08)

GREECE

Voice of Greece on 9420 kHz, July 18 0652 & 0704 on 9420 AVL 150 kW / 323 deg to WeEu Greek*tx#3 *Arabic/Serbian nx and transmitter switches off at 0804UT
(Via swldxbulgaria.blogspot.com/2019/07)

GUAM

Living Water Ministry. Frequency change Broadcasting from July 16: 1515-1615 NF 6055 TWR 200 kW / 320 deg to NEAs Korean Tue-Fri, ex 5905 to avoid at same time 5905 KAS 100 kW / non-dir to CeAs Russian China Radio International (Via swldxbulgaria.blogspot.com/2019/07)

INDONESIA

Voice of Indonesia Summer A-19 schedule of Voice of Indonesia: April 2019
1000-1100 on 3325 PAL 050 kW / non-dir to SEAs English
1100-1200 on 3325 PAL 050 kW / non-dir to SEAs Chinese
1200-1300 on 3325 PAL 050 kW / non-dir to SEAs Japanese
1300-1400 on 3325 PAL 050 kW / non-dir to SEAs English
1400-1500 on 3325 PAL 050 kW / non-dir to SEAs Indonesian
1500-1600 on 3325 PAL 050 kW / non-dir to SEAs Dutch
1600-1700 on 3325 PAL 050 kW / non-dir to SEAs Arabic
1700-1800 on 3325 PAL 050 kW / non-dir to SEAs Spanish
1800-1900 on 3325 PAL 050 kW / non-dir to SEAs German
1900-2000 on 3325 PAL 050 kW / non-dir to SEAs English
2000-2100 on 3325 PAL 050 kW / non-dir to SEAs French
(Via Bulgarian DX Blog)

JAPAN

Frequency changes of JSR Shiokaze Sea Breeze from July 17
1300-1400 NF 5920 YAM 300 kW / 280 deg to NEAs, ex 5935 and 2nd freq. same time NF 6040 YAM 300 kW / 280 deg to NEAs, ex 6070 is as follows
1300-1330 Chinese Mon; Japanese Tue/Sat; Korean Wed/Fri/Sun; English Thu
1330-1400 Korean Mon/Wed/Fri/Sat; Japanese Tue/Sun; English Thu
1600-1700 NF 5935 YAM 300 kW / 280 deg to NEAs, ex 5920 and 2nd freq. same time NF 5980 YAM 300 kW / 280 deg to NEAs, ex 6165 is as follows
1600-1630 Chinese Mon; Japanese Tue/Sat; Korean Wed/Fri/Sun; English Thu
1630-1700 Korean Mon/Wed/Fri/Sat; Japanese Tue/Sun; English Thu
Frequency change of Furusato no Kaze via Shiokaze Sea Breeze from June 6
1405-1435 NF 6090 YAM 300 kW / 280 deg to NEAs Japanese Daily, ex 5980
1405-1435 NF 6165 YAM 300 kW / 280 deg to NEAs Japanese Daily, ex 6070
(Via swldxbulgaria.blogspot.com/2019/07)

KOREA (REPUBLIC)

Weak signal of KBS World Radio in English in 31mb, July 11
1400-1700 on 9785*KIM 250 kW / 264 deg to SoAs English, ex 1800-2100UTC
(Via swldxbulgaria.blogspot.com/2019/08)

KUWAIT

MOI Radio Kuwait in DRM mode, July 18: 0500-0800 on 11969.8 KBD 250 kW / 100 deg to SoAs English (Via swldxbulgaria.blogspot.com/2019/07)

Radio Kuwait in English on two frequencies in AM mode, August 1

0500-0800 on 11969.8 KBD 250 kW / 100 deg to SoAs English AM, instead of DRM
0500-0800 on 15529.8 KBD 250 kW / 310 deg to WeEu English AM - as scheduled
(Via swldxbulgaria.blogspot.com/2019/07)

MALI

RTV du Mali, Bamako- 5995. Jul 16, 2019. 1905-1912, RTV du Mali, Bamako-MLI, in Bambara. Man announcer talking; 1907 A brief song and next female announcer talks, says Guinea Bissau, news presumably. Fair reception, 35433. (Via HCDX Jota Xavier)

MYANMAR

Myanmar Radio in 31mb/49mb on July 11:
1045 on 9730 YAN 050 kW / 356 deg to SEAs Burmese, good
1530 on 5985 YAN 025 kW / 176 deg to SEAs English, Fair.
(Via swldxbulgaria.blogspot.com/2019/07)

NIGERIA

Voice of Nigeria. Fair/good signal, August 3
0600-0700 on 7254.9 AJA 250 kW / 248 deg to WCAf Hausa
(Via swldxbulgaria.blogspot.com/2019/08)

PALAU

T8WH Angel 3 World Harvest Radio Int. Reception of on July 16 0900-1200 on 9930 HBN
100 kW / 318 deg to EaAs English, good Signal (Via swldxbulgaria.blogspot.com/2019/07)

Omegaman Radio via WHRI T8WH Angel 3 on August 1.
Reception 1200-1300 on 9930 HBN 100 kW / 318 deg to EaAs Chinese Thu, good
(Via swldxbulgaria.blogspot.com/2019/08)

SPAIN

Radio Exterior de España REE/RNE on 3 of 4 frequencies on July 27:
1400-2200 on 9690 NOB 200 kW / 290 deg to ENAm Spanish Sat/Sun, no signal
1400-2200 on 11670 NOB 200 kW / 161 deg to WCAf Spanish Sat/Sun, fair/good
1400-2200 on 11940 NOB 200 kW / 230 deg to SoAm Spanish Sat/Sun, very good
1400-2200 on 12030 NOB 200 kW / 110 deg to N/ME Spanish Sat/Sun,
fair/good <https://swldxbulgaria.blogspot.com/2019/07>

SRI LANKA

Reception of Sri Lanka Broadcasting Corporation in 31mb, July 17 1115-1200 on 9720 TRM
125 kW / 345 deg to SoAs Tamil/Malayalam, good Signal. (Via swldxbulgaria.blogspot.com/2019/07)

USA

World Harvest Radio International Angel 2, Good signal on 2, July 12:
0430-0600 on 9825 HRI 250 kW / 047 deg to WeEu English Daily, except:
0500-0515 on 9825 HRI 250 kW / 047 deg to WeEu French Fri language Prgr
(Via swldxbulgaria.blogspot.com/2019/07)

WBCQ-6 World's Last Chance Radio New schedule and as Glenn Hauser suggests languages are 12 hours displaced of the original schedule. He is right with this statement. Transmission to WeEu yesterday July 11 & today July 12 are

12 hours displaced: from 0600 to 0800UT, instead 1800-2000
 0000-0357 on 9330 BCQ 500 kW / 255 deg to MEXI English, pls check
 0400-0557 on 9330 BCQ 500 kW / 300 deg to WNA English, poor
 0600-0757 on 9330*BCQ 500 kW / 057 deg to WeEu English, good
 0800-1857 on 9330 BCQ 500 kW / 075 deg to N/ME Arabic, NO SIGNAL
 1900-2157 on 9330#BCQ 500 kW / 075 deg to NoAf Arabic, pls check
 2200-2357 on 9330#BCQ 500 kW / 075 deg to NoAf Arabic, pls check
 *0655-0750 on 9330 Su/Mo/We/Fr Cuban Spy HM01-weak signal July 12
 # 07-10 HFCC 15180 BCQ 500 kW / 075 deg to NoAf Arabic, NO SIGNAL
 # 10-12 HFCC 11705 BCQ 500 kW / 075 deg to NoAf Arabic, NO SIGNAL
 (Via swldxbulgaria.blogspot.com/2019/07)
 (Not transmitting at present due to transmitter cooling problems. Editor)

WRMI relay broadcasting times of RAE Buenos Aires programs as updated by wb according monitoring around July 17 / 18

Language	Time UT	Date UT	kHz	Target(s)
English	0100-0130	Tue-Sat	9395	North America
Japanese	0800-0900	Tue-Sat	5950	North America (Ovest), Asia
Chinese	0900-1000	Tue-Sat	5950	North America (Ovest), Asia
Portuguese	1100-1200	Mon-Fri	9955	Latin America
Italian	2100-2300	Mon-Fri	9395	North America, Europe
German	2200-2300	Mon-Fri	7780	North America, Europe
Spanish	2200-2300	Mon-Fri	5010	Latin America
French	2330-0000	Mon-Fri	7780	North America, Europe

(Via Wolfgang Bueschel, wwdxc BC-DX TopNews dxId July 18)

UZBEKISTAN

Radio Free North Korea via RRTM Telecom Tashkent, July 18 1200-1430 on 11510 TAC 100 kW / 076 deg to NEAs Korean, good Signal.(Via swldxbulgaria.blogspot.com/2019/07)

Voice of Wilderness in now only 1 hour per day via RRTM Telecom Tashkent 1400-1500 on 7615 TAC 100 kW / 070 deg to NEAs Korean, good signal, ex 1330-1530UTC!
 (Via swldxbulgaria.blogspot.com/2019/07)

North Korea Reform Radio via RRTM Telecom Tashkent, July 18 1430-1530 on 11565 TAC 100 kW / 076 deg to NEAs Korean, fair signal, plus QRMat same time 11560 BGL 500 kW / 325 deg to WeAs Pashto All India Radio-strong
 (Via swldxbulgaria.blogspot.com/2019/07)

Voice of Martyrs via RRTM Telecom Tashkent, July 18 1530-1600 on 7530 TAC 100 kW / 076 deg to NEAs Korean, good Signal. (Via swldxbulgaria.blogspot.com/2019/07)

VATICAN

Eye Radio is again on SW via SM di Galeria on July 30
 0400-0500 on 7340 SMG 250 kW / 150 deg to EaAf Juba Arabic* Mon-Fri* including other langs English/Dinka/Nuer/Shilluk/Bari/Zande/Lutoho
 According to IBB RMS Eye Radio is again on SW effective from July 22 (Via Bulgarian DX blog)

SHORTWAVE & STATION NEWS

Atlantic 2000 International with special tribute programme regarding Radio Andorra
Atlantic 2000 International will be on air on 6070 kHz via Rohrbach, Germany, Saturday 10 of August 0800-0900 and Sunday 11 of August 1900-2000 UTC.

“We will be on the air on August 10th and 11th: Radio Andorra was a legendary radio station, transmitting on mediumwave and shortwave from 1939 to 1981, from the Principality of Andorra, a small country between France and Spain. The station was officially launched the 7th of August 1939.

To celebrate the 80 years of this launch, Atlantic 2000 will transmit a special tribute programme on Saturday, August 10th, from 08:00 to 09:00 UTC on 6070 kHz and online. From 09:00 to 11:00 UTC, online only, we will repeat the tribute to Radio Andorra that we transmitted in 2009, for the 70th anniversary of Radio Andorra.

Atlantic 2000 will be on the air again on Sunday 11th of August from 19:00 to 20:00 UTC with music and dedications, on 6070 kHz and online.

Streams will be available on our website : <http://radioatlantic2000.free.fr>
(Via Atlantic 2000)

AUSTRALIA

Passing along the news that Australia's Radio 4KZ plans to add a new frequency -- 2484 kHz from 6 pm to 6 am their time (UTC+10). See below from Al Kirton. Not sure of the timing.
(Via Art Delibert)

On Sun, Jul 14, 2019 at 1:49 PM Al Kirton <al@4kz.com.au<<mailto:al@4kz.com.au>>> wrote:
Hi John, We are not changing frequency. 5055 will run as per usual. 2484 will be an additional transmitter running roughly 6 pm to 6 am. (Via John Wright)

NETHERLANDS

FRS Holland plans to repeat broadcast

Dear FRS Friend,

Last Sunday's FRS broadcast suffered from unstable propagation conditions. Some might have enjoyed good reception whereas others' reception was poor. It is commonly known that SW conditions have been poor. Not only during daytime but also sometimes during the evening.

Last Sunday we were received in Cyprus and Mexico (not via SDR) while reception in areas where 7700 is almost always satisfactory, was poor. Apart from the final 60 min. when the first show (Bert van Leer) was repeated; that was between 23:00-23:50 CEST (2200-2250 UTC). During that time 7700 was very strong and also 5810 did well.

There might be a repeat next Sunday August 4th or August 11th. At this moment things are uncertain. But it's worth while to tune in and give it a try! Same time schedule and same freqs, being 7700//5810 kHz.

Details are still to be read on our site:

<http://www.frsholland.nl/20-latest-news/132-frs-on-air-sunday-evening-july-28th.html>

Remember there are streams planned for next Thursday, Saturday & Sunday (twice!).

FRS' 39th anniversary will be celebrated on Sunday Sept. 1st. Details will follow in the course of August. 73s, Peter V. on behalf of the FRS team

ROMANIA

One of three txs of Romanian 300 kW bcast center at Tiganesti is out of service at present RadioCom offers now as substitute service via 100 kW bcast center Saftica (old center of 1956 year, which used also as clandestine stn transmitter for comintern "Radio Espana Independente" and "Portugal Libre" radio program mouth piece of communist parties of Spain and Portugal towards there home dictatorship countries and to foreign (immigrant) workers in West Europe, in 1956 till approx 1978.)

Saftica uses mainly two newer revolving antennas, of log-periodic horizontal characteristics, seen on Google Earth or Google Maps images.(Via Wolfgang Bueschel. HCDX 04/08/19)

USA

Webpage of WMLK Radio Assemblies of Yahweh: Currently we are off the air as a new transmitter is being built for WMLK Radio by Ampegon.1600-2100 on 9275 MLK 250 kW / 053 deg to WeEu English Mon-Fri - here my last videos of WMLK Radio Assemblies of Yahweh from March 15, 2017: WMLK Facebook: Thankfully! We have good news to report! The WMLK Radio

Transmitter build is back on tract! We were notified this AM(7/9/2019) that Ampegon was now in the process of building the TX once again! The WMLK Radio transmitter build has been moved to the first place in line! For this we praise & thank Almighty Yahweh! Thank You for your prayers! (Via swldxbulgaria.blogspot.com 2019/07)

VATICAN CITY

Short Waves Return of Vatican Radio's Program in Brazilian For more than 25 Million People July 16, 2019 16:10.

"The Brazilian program of Vatican Radio-Vatican News resumes its short-wave transmissions in the Amazon region," announced the portal of Vatican News in Brazil today, Monday, July 15, 2019, given the proximity of the holding of the Synod for Amazonia (October 6-27, on the theme: "New Ways for the Church and For An Integral Ecology."

"For over 61 years, Brazil has been listening to the Pope's voice through Vatican Radio. On August 1, after a period of absence, the Brazilian program of the papal station will return to Amazonia in short wave," announced the same source.

And it adds: "Thus Vatican Radio-Vatican News shows its attention to an important region of Brazil, for which the radio is its main means of communication. The Pope's voice will be listened to again on radio by more than 25 million people, who live in this lung of the planet. The decision to broadcast in short wave responds to the geographic reality of Amazonia."

Vatican News recalls: "Created in March of 1958, twenty-seven years after the foundation of Vatican Radio, on February 12, 1931, the Brazilian program has followed seven pontificates, from Pius XII to Francis. At present, the Brazilians of Vatican Radio-Vatican News offer a wide gamut of daily programs in a multi-media style through different platforms: radio, Web and social networks."

It also recalled: "On the occasion of the 50th anniversary, in March 2008, Benedict XVI expressed his gratitude to the said program for the inestimable service of proclaiming the Gospel and promoting communion between the Church and the people of Brazil."

July 16, 2019 16:10 (Via Zenit News Agency. Anita Bourdin)

BROADCAST NEWS

Editor

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CONGESTION IN HENDERSON, WHAT'S UP VAUGHAN 1470?

NEW ZEALAND Radio New Zealand engineers Steve White has confirmed usage of the two transmission masts at Henderson in West Auckland as follows:

Southern Mast

153 metres height - 7 services:

531kHz - 531PI

756kHz - RNZ National

882 kHz - Southern Star

990kHz - Radio Apna

1179kHz - Radio Ake

1332kHz - Radio Sport

1476kHz - Radio Racing

Northern Mast

122 metres height - 8 services:

603kHz - Radio Waatea

702kHz - Magic Talk

810kHz – BBC – Auckland Radio Trust

936kHz – Chinese Voice Radio - World TV

1080kHz - Newstalk ZB

1251kHz - Radio Rhema

1386kHz - Radio Tarana

1593kHz - Radio Samoa

Dan Goldfarb, creator of the MW Masts database and io Group, and a League member received this confirmation from Steve White and says the northern mast at Henderson is the most heavily used AM mast in the world. (via Paul Rawdon) [I was able to practically confirm the above distribution of transmitters to masts during scheduled antenna maintenance on both masts at Henderson in July which provided a few bonus DX opportunities. BC] Astounding to read in last month's column about World TV re-purchasing 1566 for Horokiwi (Wellington, Ed)... they allowed a licence that was valid till 2031 (from memory) to lapse through lack of fee payment, then a year or so later buy it again at auction for close on \$27,000, valid till 2031 at an annual fee of \$150! What a way to run a business. (Theo Donnelly via Stu Forsyth)

ANGUILLA University Network relay of Dr. Gene Scott programs has been discontinued on **1610** Caribbean Beacon, confirmed now silent, as well as the former 690 kHz parallel. (Stig Hartvig Nielsen, Ydun's Medium Wave News via NRC)

ARGENTINA

670 LT4 CNN Radio Argentina, Posadas (MS02) – ex. R LT4 Digital (web)

950 LR3 CNN Radio Argentina, Buenos Aires (CF07) – ex. R Belgrano.

1340 R Renacer, Moreno (BA205) – ex. 1310 kHz. (web)

1470 LT28 CNN Radio Argentina, Rafaela (SF09) – ex. R Rafaela (web)

1570 R Alegría Regional, Luis Palacios (SF22) – silent (Argentina en AM y FM)

1590 R Serodino, Serodino (SF24) – silent. (Argentina en AM y FM)

1600 R EME Centro, Montes de Oca (SF21) – silent (Argentina en AM y FM)

1620 R Mitre, Cañada de Gómez (SF25) – has started transmissions.

W: mitrecanadadegomez.com.ar (Argentina en AM y FM via ARC mv-Eko)

AUSTRALIA

765 2EC Bega NSW - proposed move to FM frequency 94.5MHz.

918 2XL Cooma NSW - proposed move to FM frequency 96.1MHz.

1368 2GN Goulburn NSW – proposed move to 107.7mHz.

1584 2EC Narooma NSW planned to be switched off in the near future.

(Robert Copeman & Martin Greer via ICDX Crossfire bulletin).

Update from Tasmania - 7BU Burnie and 7AD Devonport have moved (from **558** and **900** respectively) to FM. (Robin Harwood via Glenn Hauser's WOR io Group 31/7)

Vision Australia says its radio service, which more than 700,000 people listen to each month, could go off the air because of changes to federal funding models since the National Disability Insurance Scheme rollout. The service operates AM radio stations in three capital cities — Melbourne **1179**, Adelaide **1197** and Perth **990** — and seven FM stations in regional Victorian towns. Listeners to the radio service include the blind, vision impaired and people for whom listening is easier than reading. Volunteers read news from local and national newspapers which listeners otherwise would not have the opportunity to access. Chris Edwards, Vision Australia's manager for government relations and advocacy, said about \$700,000 in Federal Government funding was needed to stay on the airwaves. Mr Edwards said prior to the NDIS rollout the organisation secured "block funding" to subsidise the radio service. But he said that was no longer an option as the NDIS does not directly fund organisations — instead funds are allocated to a person living with a disability to spend on services of their choice. "We need to secure funding by the end of the year," Mr Edwards said. (ABC via Stephen Kellet WOR io Group)

COOK ISLANDS Radio Cook Islands posted the following lengthy update on its Facebook page on 5 July: "You may now be aware of the planned dismantling of the AM radio transmission mast in Matavera. The mast which has some rust in the mid-section is deemed unsafe and is being removed due to safety reasons. The Cook Islands Investment Corporation (CIIC) who is managing the dismantling process will carry out that work at some stage over the next few weeks. The 107 meter mast that towers over Apii Takitumu is the structure that carries the national AM 630KHz Radio Cook Islands right around Rarotonga and into the Pa Enua. Concerns have been raised in the public and on social media about what will become of radio communications, especially during cyclones and emergencies. The AM has always been proven to be a reliable service, and most importantly, it is freely available to everyone. Whether the AM service from Matavera should be resurrected at another location needs investigation and a proper feasibility study and is not something that can be answered at this time. While the total dismantling of the Matavera mast came as a shock, Radio Cook Islands has several other backup services. There is another lower-powered AM mast at Blackrock that can only cover Rarotonga and the Southern Islands. This is only used for backup and when there is maintenance being carried out on the station at Matavera. It does not have the same coverage as the Matavera AM mast. Bluesky also doesn't recommend that this be used as a fully-fledged service. Radio Cook Islands is also delivered via the Internet (www.radio.co.ck) to FM stations in the Outer Islands. Currently, 4 of the islands in the Northern Group are receiving Radio Cook Islands via the FM stations. In the Southern Group, a recent review of the service has found that the FM stations are not working and hence, Radio Cook Islands are now looking for assistance to have these upgraded and replaced. This will include the un-serviced islands in the Northern Group. On Rarotonga, Radio Cook

Islands has been working with Bluesky to change the FM frequencies from 88.8MHz to 101 MHz which will be its only frequency going forward. This has been completed. There are currently 3 FM sites on Rarotonga - Avana, Aroa and Avarua. New transmitters and aerials are being installed in Matavera and Titikaveka over the next few weeks which will help make the signal much better in those areas. Radio Cook Islands is a very small semi-commercial operation. By semi-commercial, we mean that while it earns money to fund its operations, it also carries out all the jobs and social responsibilities of a Public Service Broadcaster. It currently employs 1 full time staff and 4 part time announcers. It does not have the resources of big broadcasters and so it values the relationship it has with Bluesky who provide all the engineering and the network maintenance, and its relationship with Government who own some of the assets.

The station itself began operation in April 1954 and was the brainchild of the late Percy Henderson. On a UNESCO trip to Mozambique, he observed children's education being delivered via radio. From that point on, Henderson knew he had to set up radio broadcasting and that it was the only way that he could spread his 'Further Education Service' to the Outer Islands.

Geoffrey Neville, the New Zealand High Commissioner at the time sent Henderson to the New Zealand Broadcasting Service to "beg, borrow and steal bits of cast-off equipment". And with the assistance of resident inventor/scientist Stuart Kingan built two transmitters - a shortwave transmitter, and a medium wave transmitter. Originally, the programs were just for schools. They would be pre-recorded and rushed to the Blackrock transmitting station to go on air.

In 1965, Mr. L Martin of the New Zealand Broadcasting Corporation visited the Cook Islands and recommended that the New Zealand Government gift a 10KW transmitter to the Cook Islands at the initiation of Self-Government.

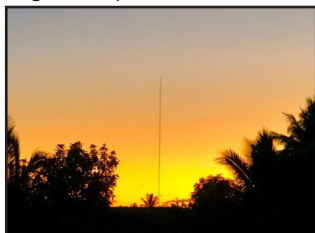
In 1968, a 10kW Marconi transmitter started operating at 630kHz.

On the 30th August 1996, the Cook Islands Government during its economic restructuring program privatizes broadcasting services. The services which include Cook Islands Television and Radio Cook Islands change hands three times over the next 3 years finally ending up with Elijah Communications.

Prime Minister Sir Geoffrey Henry KBE leaves the management of the transmission network for both Cook Islands Television and Radio Cook Islands with Telecom Cook Islands Ltd (now Bluesky). Elijah Communications becomes a content provider and service operator.

In this age with so much entertainment especially from the Internet, Radio Cook Islands is grateful to those who have continued to use and enjoy the Radio Cook Islands service. It is because of these people, that Radio Cook Islands is committed to ensuring that it exhausts all possible alternatives in providing a free, reliable national radio service to the people of the Cook Islands.

This article has been prepared by Radio Cook Islands Management to answer some questions that are currently arising in the public and on social media.



Sunset coming for Radio Cook Islands 630 AM antenna (Photo from RCI)

And the latest from RCI as posted on their Facebook page on 2 August:

“It’s the end of an era- the AM **630kHz** radio mast which has graced the Matavera skyline for decades will soon be brought down. CIIC’s Tamarii Tutangata confirms that a contract for the dismantling was signed today and Raro Welding has been awarded the job. According to Raro Welding’s Esben Torget, work will commence on Tuesday 6th August 2019. Radio Cook Islands has been announcing for listeners on Rarotonga to switch their radios to the FM frequency of 101MHz since June 2019.

Unfortunately, the FM stations in the Southern Group are not working so they will have no radio at all apart from the individual radio stations on some islands. The FM stations in the Northern Group will continue to operate as per normal. (Each island has different frequencies, and each island knows their frequency) The official last day of operation for AM 630kHz will be Monday 5th August 2019. The last major events to be broadcast live on AM 630kHz will be the Celebration of the 54th Constitution Day on Sunday 4th August at 6.30pm, followed by the prize-giving and closing ceremony of the Te Maeva Nui celebrations on Monday 5th August from 10am.” (BC)

CYPRUS Radio Sawa switched off the 600 kW transmitter, 4-mast directional antenna at Cape Greco on **990 kHz** in early July. RMC Moyen Orient built the facility in 2002 for the new US foreign service for the Arab world. in operation. (Amine Ferhane mediumwave.info via Prof. Dr. Hansjoerg Biener via WWDXC Top News)

GUAM KGUM Agaña on **567** granted Construction Permit for new tower at 13-23-28 N/144-45-42 E. (NRC)

HAWAII

- 590 KSSK Honolulu granted STA, U1 1kw/1kw, 379 feet longwire at 21-18-51/157-52-14 during CP work on licensed tower.
- 830 KHVH Honolulu granted STA, U1 1kw/1kw, 254’ LW at 21-18-35/157-53-17 during CP work on licensed tower.
- 990 KIKI Honolulu granted STA, U1 1kw/1kw, 254’ LW at 21-18-35/157-53-17 during CP work on licensed tower.
- 1080 KWAI Honolulu silent June 26, 2018; on the air June 25 with STA. Granted STA, U1 200 watts day & night, silent station needs to broadcast.
- 1500 KHKA Honolulu applies for license to cover CP for new tower at 21-20-06/157-53-37 and applies for program test authority.

KOREA (SOUTH) **1188 kHz**, FEBC in Korea plan to move the 100kw transmitter (HLKX Seoul-Siheung per WRTH) on this frequency further away from city and raise power to 200kw. It will probably take at least two years. (Mauno Ritola-FIN, ARC 23 May 2019. mv-eko July 1 via DXLD and WRTH 2019 via dxld July 4 via WWDXC Top News 13Jul19)

756 kHz A new MW station run by the Korean Intelligence Service (NIS) is broadcasting 24 hrs to North Korea. It is broadcasting information from South Korea between 1100-1900 UT and Korean pop music between 1900 and 1100 UT. There is no ID mentioned, but 756 AM is the nickname. By remote receiver in Seoul I have heard the station with Korean pop music at 2100 UTC. See WRTH 2019 latest update under C. & O.T. Broadcasts. (Mauno Ritola-FIN & Bengt Ericson, ARC mv-eko July 1 via dxld July 4) Address: c/o National Intelligence Service (NIS), Naegok-dong, Seocho-gu, Seoul, 06796, South Korea. Web: www.nis.go.kr (NIS); (via Glenn Hauser, HCDX & DXLD July 4)

KYRGYZSTAN On June 1 a test broadcast began on a new transmitter on **612 kHz MW** referred to in the press as “Silk Road” transmitter. The following schedule is planned for this frequency: 0000-1200 - Kyrgyz Radio national programme; 1200-1355 - off air; 1357-1400 - interval signal of Trans World Radio (TWR); 1400-1630 - TWR programmes in different languages of Central Asia. Using an omnidirectional antenna. (Vasily Gulyaev on mediumwave.info 11 June via BDXC)

TWR’s new Silk Road Transmitter debuted at 1400 UTC on 10 June 2019, bringing the gospel to millions across the largely unreached region of the vast steppes and mountain ranges of Central Asia. The stronger Silk Road signal covers large portions of six countries – the core area comprising Kazakhstan, Uzbekistan, Turkmenistan, Kyrgyzstan and Tajikistan. The five languages broadcast over the transmitter are spoken by people groups mostly classified as unreached by the gospel. In addition to the in-depth study of Thru the Bible and the Scripture readings and explanations of Radio Bible Project, Silk Road broadcasts include programs such as House Church, Power in Persecution and The Christian Home. Another powerful program is The Way of Righteousness, which has been highly effective at introducing the gospel to Muslim listeners from the perspective of their own faith. Installation of the transmitter was completed this spring after more than 1,700 supporters of TWR provided the \$593,000 cost of the project. From TWR Website <https://donate.twr.org/category/featured-projects/biblical-programs-for-silk-road>. Frequency and transmitter site aren’t mentioned but this is apparently the station being reported on 612. (Bruce Portzer via IRCA)

LATIN AMERICAN OFFSETS

Software defined radios provide the ability to ‘see’ multiple stations on a frequency and precisely measure their frequencies. Thanks to DXers worldwide sharing their reading of frequency offsets, this precise information is a helpful aid to other DXers. MWLIST.ORG has an OFFSETS section where a lot of this information is consolidated, and I also find the loggings of Scandinavian DXers Thomas Nilsson, Jan Edh and Lars Simm, as published by Arctic Radio Club most helpful to my hobby. Here is some information – nominal frequency, date, and measured frequency - gleaned from their MV Eko magazine in recent months. BC

570	5.4	L.. R Argentina Buenos Aires on 570.029. AN
700	26.3	HCRS2 Radio Sucre Guayaquil on 699,991. JE
870	12.4	HCHY2 Radio Cristal Guayaquil on 869,972. JE
920	7.4	ZP1 Radio Nacional Asunción on 919,927. JE
1010	2.4	CX24 Radio 1010 AM Montevideo on 1009,987. JE
1190	13.4	OAX7B Radio Tawantinsuyo, Cusco on 1190.062. Sim
1250	13.4	OAX4L Radio Cora, Lima on 1249.982. Sim
1270	12.4	HJAR La Cariñosa Cartagena on 1270,029. JE
1270	12.4	HCUM2 Radio Universal Guayaquil on 1270,094. JE
1270	12.4	HCUM2 Radio Universal Guayaquil on 1270,093. TN
1280	7.4	HJLR Caracol Radio, Pasto on 1279,996. TN
1350	5.4	HJHL Bésame Radio Ibague on 1350,004. TN
1360	25.3	OCU4I Radio Bienestar Lima on 1360,008. TN
1370	21.4	HJKI Radio Mundial Bogotá on 1370,049. TN
1380	8.4	HJMM Cadena Radial Vida Valledupár on 1379,992. JE
1400	25.3	HJKM Emisora Mariana Bogotá on 1400,002. TN
1400	2.4	CX140 Radio Zorrilla de San Martín Tacuarembó on 1399,989. JE
1400	6.4	CX140 Radio Zorrilla de San Martín Tacuarembó on 1399.987. AN
1410	25.3	HJDU Emisora Cultural Antioquia on 1409,998. TN
1420	12.4	HJBH Radio Magdalena Santa Marta on 1419,981. JE
1430	25.3	OCU2U Radio Visión, Jaén with La Voz de Salvacion program on

		1430,017. TN
1440	21.4	HJNZ Colmundo Radio Medellín on 1439,991 TN
1440	5.4	HJNZ Colmundo Medellín on 1439,991. TN
1440	5.4	HJGM Antena 2 with Colmundo on 1440,003. TN
1440	7.4	OAX4K Radio Imperial 2, Lima on 1440.012. Sim
1440	2.4	CX144 Radio Rivera Rivera on 1439,972. JE
1470	21.3	OAU6E Radio Victoria, Arequipa on 1469.951. Sim
1470	14.4	OAU6E Radio Victoria Arequipa on 1469,951 TN
1470	17.4	OAU6E Radio Victoria Arequipa 1469,951. JE
1470	18.4	OAU6E Radio Victoria, Arequipa on 1469.951. Sim
1470	12.4	HCLD2 Ecos de Naranjito Naranjito on 1469,993. JE
1490	23.3	OAX5N Radio Nazca, Nazca on 1490.015. Sim
1490	31.3	OAX5N Radio Nazca, Nazca on 1490,016. TN
1510	25.3	HJA22 La Voz de San Luis, San Luis de Gaceno on 1509.985. Sim
1510	5.4	HCBD1 Radio Monumental Quito on 1509,993. TN
1510	5.4	HCI02 Naval Guayaquil on 1509,997) Per Karel Honzik via RealDX: “They have their own program between 5:30 and 20:00 local time and the time station relay overnight, although they do not mention it in their website program schedule”. TN
1510	20.3	OCX4J Radio Tarma, Tarma on 1509.930. Sim
1510	13.4	OCX4J Radio Tarma, Tarma on 1509.933. TBV
1510	21.4	HJD24 La Voz de la Unión, La Unión on 1509,993. TN
1510	13.4	OCX6Q Radio Alegría, Arequipa on 1509.998 TBV
1510	31.3	OCX6Q Radio Alegría, Arequipa on 1509.991. Sim
1520	2.4	LRI253 Radio Belgrano Suardi, on 1509,985. JE
1540	23.3	OBX4N Radio Corporación, Cerro de Pasco on 1540.110. Sim
1540	25.3	2330 OBX4N Radio Corporación, Cerro de Pasco on 1540,111. JE

MÉXICO The following additional stations have told me that their AMs have been turned off: 550-XEQW-YUC, 580-XEHP-TAMA, 670-XELH-NAY, 680-XEFJ-PUEB, 710-XEBL-SIN, 780-XETS-CHIA, 840-XEFG-GJTO, 970-XEZAZ-ZAC, 1380-XEVD-COAH. The following stations have told me that their AMs are still on the air: 580-XEFI-CHIH, 820-XEBM-SLP, 1380-XETP-VER. XETP-1380 was a surprise. I've monitored their web stream and thankfully they play a different national anthem than the other surviving station on 1380 (XECO) so I will be trying for them at the Border Inn this year. The Radio SLP Facebook page has confirmed that there are currently only 5 AMs remaining on the air in the state of San Luis Potosí: XEWA-540, XEANT-770, XEBM-820, XEIE-1030, and XEXQ-1190. The 2 new CPs, XEPBSD-620 and XESLEP-710 (replaces the old XESMR which has moved to FM) are not on the air yet. (Tim Hall via IRCA)

PUERTO RICO

870	WQBS San Juan granted STA extension, U1 1250/1250. (NRC)
1560	WBYM Bayamon now carries Spanish contemporary Christian, slogan “Pura Palabra Radio”. (IRCA)

SAMOA Samoan state radio, 2AP, which has been broadcasting on the AM Band for six decades, has reached a milestone by operating on the FM frequency for the first time. Through aid from the Australian Pacific Media Assistance Scheme, or PACMAS, 2AP has also been building a new AM transmitter. The Minister of Communication, Afamasaga Rico Tupa'i, said the new AM mast and the FM Band will both be officially opened and launched

by the prime minister at the end of [August]. "Government information gets out in terms of what people need to know and how our people can benefit from it. It's just another station that whatever transmission and broadcast we get out of here it will be the same thing on AM and the same thing on FM - same information. "So, no additions in terms of staff and a few additions in terms of equipment." Afamasaga Rico Tupa'i says 2AP will boost its power to reach out more audience in the neighbouring American Samoa, Tokelau, and Niue. (RNZ Pacific 10Jul19)

UNITED ARAB EMIRATES

- 1152 Voice of Keralas has stopped broadcasting.
- 1476 Radio Asia, Ras al Khaimah has moved from 1269 kHz. Signal quite strong in the late afternoons in Sweden. Language is Malayam. (Mauno Ritola, ARC 28.3.2019)
- 1539 Pravasi Bharathi is using this frequency // 810 kHz while moving 810 kHz transmitter from Maqtaa to Al-Dhabbaya. 810 kHz is now signing off around 2000 in the evening. (Mauno Ritola, ARC via WRTH fb 12.4.2019)

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

- 590 KUGN Eugene OR applies for STA extension, U4 5kw nights and night pattern 24 hours.
- 620 WDAE St. Petersburg FL applies for STA extension, U2 with 11kw nights, due Cuban QRM.
- 640 WMEN Royal Palm Beach FL applies for STA extension, U4 25kw days, 4.5kw nights due Cuban QRM.
- 760 KDSP Thornton CO has callsign change to KDFD (June 25).
- 790 WAXY South Miami FL applies for STA extension, U4 25kw day & night due Cuban QRM.
- 820 WWBA Largo FL format to C&W (ex-NWS/TLK). (Terry Krueger)
- 940 WINZ Miami FL applies for STA extension, U2 50kw day, 25kw nights.
- 950 KFSA Fort Smith AR went silent May 26; back on the air June 13.
- 1010 KIQI San Francisco CA applies for license to cover CP for U4 10kw/10kw.
- 1010 KCHJ Delano CA new format SS:Ranchera (ex-SS:OLD).
- 1010 KIQI San Francisco CA slogan now "San Francisco's Spanish Radio."
- 1040 KGGR Dallas TX went silent Feb. 1; reactivated on May 20.
- 1140 WURF FL Orlando – Call change to WURB (June 19).
- 1160 WIWA St. Cloud FL has call change to WRLZ (July 3).
- 1170 WKFL Bushnell FL new format is Oldies, Boss Hog Radio. (Terry Krueger)
- 1200 KPSF Cathedral City CA replaces BIZ/TALK format with Religion, slogan "Pure Radio" networks to SRN.
- 1210 KEVT Sahuarita AZ format now SS:MEX // KAVV-97.7. (Carl Dablestein)
- 1240 KELK Elko NV applies for CP to move to old KTSN-1340 tower at 40-51-56/115-43-10, remaining U1 1000/1000.
- 1270 WRLZ Eatonville FL had call change to WIWA (July 3).
- 1280 WODT New Orleans LA granted STA, parameters at variance or U1 1250/1250; pattern failure.
- 1300 KKOL Seattle WA applies for license to cover CP for U4 50kw days/3.2kw nights from new site (47-39-19/122-31-06).
- 1310 KIQQ Barstow CA silent June 19, 2018; back on the air June 17 with STA.
- 1320 KNIT Salt Lake City UT applies for STA extension, U1 500/500, 40-39-57/111-54-26.
- 1350 KABQ Albuquerque NM new slogan is "iHeartPodcast 1350," delete networks.
- 1360 WHNR Cypress Gardens FL format to OLD (ex-C&W); slogan Boss Hog Radio,

- networks to CBS. (Terry Krueger)
- 1440 KPUR Amarillo TX applies for CP for U2 1kw/1kw, reducing day power.
 - 1440 KETX Livingston TX format to CLR (ex-SPT); delete slogan, networks to Tx.
 - 1490 KPCQ Chubbuck ID applies for CP for U1 750/1000, moving to current (not CP) tower of KPTO-1440 at 42-56-43/112-24-57.
 - 1510 KGA Spokane WA has CP for U2 50000/6000 (ch 45000), granted CP modification of CP to U1 50000/540 (CH 45000).
 - 1510 KGA Spokane WA granted STA extension, U4 50000/14000 (CH 45000).
 - 1510 KCKK Littleton CO change of slogan to "The Rock," adds // K225CZ-92.9.
 - 1550 WRHC Coral Gables FL granted STA extension, U1 1800/125 from CP site.
 - 1550 KKOV Vancouver WA granted STA extension, U2 8kw day & night.

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

- 680 WGES St Petersburg FL slogan "Genesis 680 AM – 92.9 FM".
- 700 WLW Cincinnati OH drops old slogan "The Big One", new "WLW 700".
- 940 WCIT Lima, OH now carries classic country format, slogan "The Legend".
- 990 KATD Pittsburg CA adds slogan: "San Francisco's Spanish Radio".
- 1010 KIQI San Francisco CA adds slogan "San Francisco's Spanish Radio".
- 1110 WTIS Tampa FL format Spanish hits, slogan "La Mega 101.1 FM/1110AM".
- 1140 WURB Orlando FL format SS urban, slogan "Urbana 103.7 FM and 103.5FM".
- 1230 KEZF Murray UT has new call sign KJJC, relaunched with conservative talk format. Website: www.am1230kjjc.com/ (Mike Sanburn CA) Slogan "AM 1230 The Place".
- 1270 WIWA Eatonville FL was WRLZ with Spanish news-talk, new call with religious teaching format, new slogan "The Shepherd".
- 1270 WTLY Tallahassee FL has classic hip hop format, slogan "Throwback 96.5".
- 1330 WCVC Tallahassee FL now airs Guadalupe Radio Network religious teaching.
- 1340 KGGS Garden City KS format now classic hits, "Classic Hits 1340 KGGS".
- 1360 KUIK Hillsboro OR reactivated with talk format.
- 1380 KBXN Ontario OR has had licence cancelled. (Dennis Gibson)
- 1400 KBLJ La Junta CO new slogan "News Talk 1400"
- 1490 KOSJ Santa Barbara CA now R&B oldies, slogan "Old School"
- KYZS Tyler TX now airs ESPN Radio Network, slogan "ESPN 1490"

USA The former broadcasting site of WBBM-AM Chicago on **780** was closed after 77 years. The broadcast tower near Rohlwing Road and Devon Avenue in Itasca was brought down on 18 July 2019. WBBM Newsradio 780 (*1924, *1935 50 kW clear channel station on 780 kHz, 1942 sited in Itasca) is now co-located with WSCR 670 The Score (50 kW clear channel) just off Army Trail Road in Bloomingdale. In 2018, WBBM was granted an FCC construction permit to move its transmitter to WSCR's tower site in Bloomingdale. That allowed Entercom to sell the Itasca transmitter site to commercial and residential land developers. WBBM's power was reduced to 35,000 watts during the day and 42,000 watts at night, from the previous 50,000 watt signal it had maintained since 1935. Entercom engineers say the reduction in transmitting power will not be apparent to most listeners, except in some fringe areas. The move was completed on July 18, 2019, with the previous transmitter in Itasca, Illinois, coming down shortly thereafter. Despite the reduction in power, WBBM is still considered a Class A station broadcasting on a clear channel frequency. ([https://en.wikipedia.org/wiki/WBBM_\(AM\)](https://en.wikipedia.org/wiki/WBBM_(AM))) via Dr Hansjoerg Biener 23 July 2019 following a tip of Dr Joern Krieger, DX LISTENING DIGEST)

VENEZUELA More AM stations have left the air: Radio 2000 in Cumana-1500 kHz and Radio Nueva Esparta-920 kHz appear to be the only remaining AM stations in the east of Venezuela. I haven't been able to hear Radio Centro, Cantaura-610 kHz for many days and there hasn't been any news about Radio Cumana 680 kHz for months. (Jose Elias via Santiago San Gil G, Cadena DX 17 June, via Christer Brunstroem-SWE, ARC, Tore Larsson, mv-eko via dxld via WWDXC Top News)

YVLB La Voz de Carabobo, Valencia noted 13 July on measured **1039.61** poor; nostalgic/romantic vocal, long La Voz de Carabobo male voice ID. Measured 1039.614 as listed in mwlist offsets. HJAI also observed at 1039.994/5 kHz on the low side of the domestic jumble. (Bruce Conti-NH via NRC)

VIETNAM Voice of Vietnam External Service on **1242** kHz was monitored on 8 June using an online SDR in Hanoi and the schedule was found to match that in the latest WRTH A19 Update - 1330-1430 in Lao, 1430-1500 Thai, 1500-1600 Vietnamese and 1600-1630 in Cambodian. Each language segment commenced with the familiar VOV tune as heard on shortwave. (Tony Rogers BDXC)

X-BAND REPORT

ARGENTINA R Mitre, Cañada de Gómez (SF25) has started transmissions on 1620.

Web: mitrecanadadegomez.com.ar (Argentina en AM y FM via ARC mv-Eko)

AUSTRALIA The narrowcast station in Launceston (St. Leonards) on **1611** (actually 1610.9) has been running open carrier for some weeks now. It is within 2 kilometres of my location and I can easily see the towers it shares with. (Robin Harwood via Glenn Hauser's WOR io Group 31/7)

CANADA Humsafar Radio CHRN **1610** verification reply from station President, Jasvir Sardhu. I ask what the name Humsafar means and it is "Travelling together in Life". Numerous reports to CHRN in the past failed, so many thanks to our colleague, Vashek Kornik, in South Africa. (Edward Kusalik, Canada via Glenn Hauser's World of Radio io group)

PERU OAU6O Radio El Sol, Arequipa heard on measured **1610.038** on 18 April. (Lars Simm via Arctic Radio Club's mv-Eko magazine)

USA

- 1660 WWRU Jersey City NJ in Korean, ID "WWRU Jersey City-New York, 1660 AM WWRU." (Bruce Conti NRC)
- 1680 WPRR Ada MI change of format to TLK/UC:AC (ex-TLK); networks to Pac/WW1. (NRC)
- 1680 WTTM Lindenwold NJ with ESPN Deportes, mixing with WQOQ596, WQOQ385 and singing/religious talk (probably WOKB). Apparently WTTM switched format. But look for another format change later this year, as ESPN announced they are killing the ESPN Deportes Spanish network. (Kraig Krist NRC) Spanish tropical music, ID as "WTTM Lindenwold-Philadelphia, la unica, la grande." (Bruce Conti NRC)
- 1700 WRCR Ramapo NY w/ID "WRCR and WRCR dot com." (Bruce Conti NRC)
- 1700 WRCR Haverstraw, New York. Received a nice E-mail Verification Letter with details about the station and the announcer. Also enclosed, photos of the tower and transmitter. Reply came back from alex@wrcr.com V/S: Alexander Medakovich Station Announcer. (Edward Kusalik, Canada via Glenn Hauser's World of Radio io group)

US VIRGIN ISLANDS WDHP Frederiksted **1620** verified by e-post v/s Beverley Meyers, Operations Manager.(ARC)

KINGS OF THE KILOCYCLES

MIKE SMITH Opunake reports a quiet month, “spending most of my time tucked up in the warm instead of out in the shack. One report and QSL to advise, via Facebook. HJCV, Radio Cordillera Bogota on 1190, who said in response to a sound clip sent via FB Messenger: “Hello good afternoon! In fact, this is our radio station, we appreciate your tuning and we hope you keep listening to us, remember that the radio is not only on the dial, you can also find us at www.todelar.com and enter Radio Cordillera. You can find a variety of music during the week and on Saturdays, afternoon Sports. Happy afternoon.” So nice to get that one back, one more to the South American total.” *[Thanks Mike, trust the recuperation is going OK – my shack is likewise rather cool at this time of year but by next winter I will have a new listening desk inside! BC]*

TONY KING Greytown has been trying to identify a mystery SS on 1490. He writes that he is monitoring MW nightly from 5pm and sends in the resulting trail. In early July he also logged Radio Naval Ecuador and Radio Tarma, both on 1510! *[Amazing catches on the Tecsun Tony! Thanks for the trail items - regular monitoring has its rewards. BC]*

STU FORSYTH Mangawhai sends along some welcome trail items. *[Thanks mate!]*

BRYAN CLARK Mangawhai reports some interesting DX, including new catches on 1240 and 1470 – see Trail below.

MEDIUM WAVE TRAIL

Thanks to our contributors:

TK Tony King, Greytown with Tecsun PL380 and a flock of EWE's

SMF Stuart Forsyth, Mangawhai w/ WinRadio G33DDC connected to 5m EWE

BCM Bryan Clark Mangawhai using WinRadio G33DDC SDR and AOR7030+ with EWEs to NE, East & SE.

558	1844	FIJI R Fiji 1 dominant/ good sig alone on channel with local ads. 28/6 SMF
558	0347	FIJI R Fiji One fair w/clear and improving signal, island melodies 11/7. BCM**
585	1846	AUSTRALIA 7RN fair dominating Radio Ngati Porou 28/6 SMF
594	1848	AUSTRALIA 3WV fair over Star. 28/6 SMF
693	1853	AUSTRALIA 3AW fair with sports talk over Radio Sport. 28/6 SMF
780	0726	USA KKOH Reno NV w/advts, promos “without the media bias on the Sean Hannity Show... on Newstalk 7-80 KOH” over 2nd USA 24/7. BCM
850	0635	USA KOA Denver CO presumed fair with talk. 21/7 SMF
860	0637	USA KTRB Orange CA fair w/nx and pro Trump talk. 21/7 SMF
880	0639	USA KRVN Lexington NE fair with talk. Fox News on hour. 21/7 SMF
910	0932	USA UNID, suspected KMTT with sports news item about LA Lakers. Poor amidst noise. Haven't discounted KKSF as possibility. 21/7 SMF
940	1000	USA KFIG Fresno CA fair w/id on hour, ESPN Sports Radio. 21/7 SMF
1040	0626	HAWAII KHLT Honolulu fair with mx and few axmnts. Mixed, but with whom? 21/7 SMF
1060	0530	MEXICO XEEP Radio Educacion with instrumental. jazz 18/7 TK
1080	0418	UNID LATIN here fading up 23/7 during planned outage at Henderson Auckland transmitter site, but soon blocked by Newstalk ZB returning. Format sounded Argentinean. BCM
1130	0716	USA KWKH Shreveport LA w/sports talk format, promo for “11-30, The Tiger” 20/7. BCM
1160	0627	COLOMBIA HJOC Bogota w/contemporary pops in SS, fair on peaks past 0705 with “Fuego” idents 10/7. Freq measured at 1159.994. BCM
1180	0615	CUBA/USA Radio Marti. rapid SS commentary 18/7 TK

- 1220 0545 MEXICO XEB Mexico DF w/ tangos, SS oldies 24/7 TK
- 1240 0600 MEXICO XEMEFM Morelia w/ident for Radio Ranchito 20/7. Relay of XHRPA 102.5 FM. First time heard. BCM
- 1250 0602 USA UNID carrying Fox Sports Radio, peaking briefly 20/7. Only FSR affiliate listed is WGL Fort Wayne Indiana with 1kw nights! BCM
- 1270 0551 HAWAII KNDI Honolulu w/Tongan prgm "Vaitafe O taimi" 25/7 TK
- 1310 0530 MEXICO XEHIT Puebla w/ident in SS "...Grupo ACIR... Radio Felicidad, 95.5 FM, XH... watts de potencia..", fair, all alone 20/7. BCM
- 1410 0506 MEXICO XEBS b2b SS vocals 26/7 TK
- 1410 0830 USA KCAL, presumed, with SS announcements and oldies mx – mixed with CFTE Bloomberg Radio, fair but fades 12/7 SMF
- 1430 0605 USA KMRB San Gabriel CA w/EE & CC ident "You're listening to AM 14-30 KMRB San Gabriel-Los Angeles and FM 106.3 Santa Ana, Orange County, a Multicultural Broadcasting Station" good 30/7. BCM
- 1460 0628 USA KION Salinas CA, presumed, with talk. Fair but noisy. 19/7 SMF
- 1460 0548 COLOMBIA HJJW Bogota w/ soft orchestrals & vocals on measured 1459.996. Full ident 0602 as "Nueva Continente... desde Bogota... 14-60 AM.. HJJW.." 11/7. BCM
- 1460 0615 USA KION Salinas CA talkback with good peaks. 24/7 TK
- 1470a 0525 PERU Radio Victoria Arequipa w/lively Latin pops eg 'Macarena' 11/7, on measured 1469.951 putting het on Vaughan Radio Lima on 1469.999. Confirmed by // web stream. BCM
- 1470 0545 PERU Following Tony King's post to DX Dialog on 16/7 that Vaughan Radio was missing, I checked freq on 17/7 and found relay of Lima FM station Radio Felicidad 88.9 FM on measured frequency of 1469.9995. Format is popular Latin vocals, regular since. Pretty certain this is the same transmitter as previously carried Vaughan Radio. At this stage it is unclear whether Vaughan Radio's 24-hour English format on 1470 has completely gone, or just part of the overnight schedule. Second SS station on 1469.994 w/SS talk – suspect XEAI Formula. BCM
- 1470 0500 PERU x Capital x Vaughan daily, SS pop vocals. 25/7 TK
- 1470 0620 USA KUTY Palmdale CA presumed as the SS speaker here. Some mx and axmnts in SS. Fair at best. Deep fades and mixed with another station, which never rose to any heights. 19/7 SMF [See above. BC]
- 1510 0530 PERU Radio Tarma, Andean mx, regular ID's 12/7 TK
- 1520 0610 COLOMBIA HJLI Su Presencia Bogota, presumed the contemporary Christian vocals in SS on measured 1520.042 10/6. BCM
- 1530 0509 PANAMA Radio Aviviamento's distorted FM signal over NZ w/SS talk and vocals 24/7. Still trying to find a way to get readable audio on this! KFBK faded up from 0531. BCM
- 1570 0446 UNID LATIN on 1570.0355 w/popular vocals, SS talk mentioning "Corazon" w/deep fades 12/7, causing het whine on both 1570 Peruvians. BCM
- 1610 0540 CANADA CHHA b2b Caribbean pop. m/I ID 0600 27/7 TK
- 1620 0540 CUBA Radio Rebelde fair/ poor with classical Cuban vocals - mixed, possibly KYIZ with more lively modern vocals. 29/6 SMF
- 1660 0523 PUERTO RICO WGIT Casanovas the best x-band signal 11/7 w/ fiery SS evangelist. BCM11/7
- 1660 0530 PUERTO RICO WGIT religious dialogue, regular 27/7 TK
- 1680 0731 USA KRJO Monroe LA w/nonstop pops till ID before the hour as "This is 99.7 My FM, KRJO New Orleans, more variety and more music, 99.7 My FM" 29/7. Freq measured as 1680.010. BCM

NORTH AMERICAN X BAND AT-A-GLANCE 08/2019 (thanks to Tony King)

1610	XEUACH	Chapingo	MX	Radio Chapingo
	CHHA	Toronto	MX	SS 'Radio Voces Latina' Fq ID in SS & EE
	CHRN	Montreal	ON	South Asian Format. Radio Humsafar
1620	KSMH	W. Sacramento, CA	CA	Rel. 'IHR (Immaculate Heart Radio) Sacramento'.
	R Rebelde	(6 Tx)	CU	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	News-talk-AC "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	ESPN Sport. "1640 WTNI Biloxi 'The Champ'"
	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
	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	QU	Evangelical Christian in FF x CJRS
	CINA	Mississauga	ON	South Asian Format.
	KSVE	El Paso	TX	SS Sports/Talk ESPN. "ESPN Desportes 1650"
	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
	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 ""AM 1680 The Answer"
	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	Fox Sports'. Philadelphia
	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	Rel/ UC gospel 'Inspiration Radio'
	WMLB	Atlanta	GA	"Classic Hits 1680 "LA105"
	WVON	Berwyn	IL	Talk
	WPTX	Lexington Park	MD	Adult standards
	CHTO	Toronto	ON	Multilingual. Greek
	CJLO	Montreal	QU	Campus community station.
	WGIT	Charlotte Amalie	USVI	News/talk. Nets NPR 100w.(05/19)
1700	WEUP	Huntsville	AL	Contemp Gos. 'Huntsvilles Heritage Station'
	WJCC	Nth Miami Beach	FL	World ethnic.' Radio Mega 1700.'
	KBGG	Des Moines	IA	Sport 'The Champ.'
	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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FM notes from Gordon Mathieson

TE KUITI area

88.7 Cruise FM (Piopio)
94.0 RNZ National
99.6 MFM (Te Reo Irirangi o Maniapoto)
104.4 Cruise FM

TAUMARUNUI

88.0 Trunk FM I.D. "Trunk 88FM"
91.1 Ski FM
93.5 Awa FM
94.3 Cruise FM
95.1 Tuwharetoa FM
95.9 Star
96.7 Life FM
97.5 Rhema
99.9 Peak FM
107.0 Radio Hikurangi (also on 107.7)

WHANGAMATA

89.9 More
93.1 The Edge
97.9 Coast I.D. "Coromandel's 97.9 FM - Coast"
99.5 The Breeze
100.3 The Hits

TOKOROA

87.7 I.D. "87.7 FM Tokoroa" (part Calvary Chapel Radio & The Word Bible Radio)
95.7 Raukawa FM
97.3 The Hits
99.7 Rhema
105.3 Cruise FM

THAMES

88.0 Gold FM
90.8 The Breeze
92.4 Nga Iwi FM
97.2 More
104.4 Magic I.D. "Magic....new on 104.4FM Thames"
106.0 The Hits
106.7 More // 97.2
107.1 Coast

An Application has been received for the following FM broadcasting spectrum licence:

Licence ID: 204819

- Location: 21 Racecourse Road, Omakau
- Frequency 89.5 MHz,
- Reserve price: \$1,150.00 incl. GST

Radio Spectrum Management is seeking expressions of interest in this commercial FM licence, closing 5pm on 26 July 2019.

Following this, a decision will be made regarding if the licence can be allocated by direct sale or by a competitive allocation process.

(Radio Spectrum Management Business Update - July 2019)

RNZ RADIO NEWS

A strong GfK radio survey performance.

Overall RNZ National has increased its 10+ cume audience by over 10,000, and sits No 1 for share, and No 2 for Cume (just being pipped by The Edge)

It's also a good result for the overall radio market, which grew over 18,000 listeners.

Not surprisingly, several music stations came back with a bit of a roar, notably The Breeze, More, The Edge, The Hits and ZM – but RNZ National has extended its lead slightly over Newstalk ZB, who's total listenership grew by just over 4,000 after their 48,300 growth boost in the first GfK survey of 2019.

All our key shows are No 1 Nationwide 10+ for cume and share: Morning Report, Nine to Noon, The Panel, Checkpoint, Saturday Morning & Sunday Morning.

RNZ National's main cume growth areas in this survey are:

5am to 6am (up over 11,000) which is an encouraging early trend for First Up with Indira Stewart (started mid-April).

Statistically it's a trend only, but the 5am-6am total audience of over 93 thousand is the highest 10+ cume result for this hour since GfK research began.

Checkpoint with Lisa Owen has increased its audience by 9,000 with the gains primarily in Auckland.

And Nights (Bryan Crump/Karyn Hay) is up over 15,000 listeners to be No 1 cume & No 2 share from 7pm to Midnight.

RNZ Concert dropped back a bit in cume to 172,600 from 182,700, with a 2.2% share (from 2.5).

SUMMARY

Total Radio Audience for all Stations 10+

Weekly cume: Mon-Sun, 12mn-12mn

- All radio: 3,634,600 was 3,616,300 (an increase of 18,300)

RNZ 10+

Weekly cume: Mon-Sun, 12mn-12mn

- RNZ Combined: 694,700 was 696,600 (a decline of 1,900)
- RNZ National: 626,900 was 616,200 (an increase of 10,700) – this ranks 2nd overall, see below
- RNZ Concert: 172,600 was 182,700 (a decline of 10,100)

Station Share

- RNZ Combined: 13.9 was 14.7
- RNZ National: 11.7 was 12.1
- RNZ Concert: 2.2 was 2.5

(RNZ Soundbytes, 5 July 2019, via Barry Hartley)

Samoa's Radio 2AP reaches milestone on FM band

Samoa state radio, 2AP, which has been broadcasting on the AM Band for six decades, has reached a milestone by operating on the FM frequency for the first time.

Through aid from the Australian Pacific Media Assistance Scheme, or PACMAS, 2AP has also been building a new AM transmitter.

The Minister of Communication, Afamasaga Rico Tupa'i, said the new AM mast and the FM Band will both be officially opened and launched by the prime minister at the end of next month.

"Government information gets out in terms of what people need to know and how our people can benefit from it. It's just another station that whatever transmission and broadcast we get out of here it will be the same thing on AM and the same thing on FM - same information.

"So no additions in terms of staff and a few additions in terms of equipment."

Afamasaga Rico Tupa'i says 2AP will boost its power to reach out more audience in the neighbouring American Samoa, Tokelau, and Niue.

(RNZ, 10 July 2019, www.rnz.co.nz)

SKY SUPERCHARGES SPORT OFFERING WITH 12 SPORT CHANNELS

From 1 August all Sky Sport customers will get 12 dedicated sport channels, including:

- Dedicated homes for Rugby, Cricket, Golf and Football – and channels that strongly feature Netball, League, Motorsport and more
- A new Sky Sport News channel
- The two ESPN channels

All 12 channels will be in HD, offering our customers a brilliant viewing experience.

There will be more great features and documentaries, highlights through the Sky Sport Highlights app, and continued access to On Demand sport via an enhanced and improved Sky Go.

There will also be additional pop-up channels for major events like the Australian Tennis Open and Tokyo Olympics Games.

Sky Sport News will be live from 1 August, and our special local shows will start on 2 September.

The full new channel line-up is: (Sky TV, 25 July 2019, www.sky.co.nz)

Sky Sport News (Ch50)

Sky Sport 6 - Golf 24/7 (Ch56)

Sky Sport 1 - Rugby 24/7 (Ch51)

Sky Sport 7 - Football 24/7 (Ch57)

Sky Sport 2 - Cricket 24/7 (Ch52)

Sky Sport 8 - Best of The Rest (Ch58)

Sky Sport 3 - Home of Netball (Ch53)

Sky Sport 9 - Best of The Rest (Ch59)

Sky Sport 4 - Home of Rugby League (Ch54) ESPN (Ch60)

Sky Sport 5 - Home of Motorsport (Ch55) ESPN 2 (Ch61)

The Edge TV goes IP only

The Edge TV will go off air from Monday 1 July 2019 across Freeview & Sky TV.

We'll definitely miss seeing The Edge TV on Freeview channel 14...

Luckily we can all still tap into the good tunes since it'll be streaming live online on TheEdge.co.nz, via the ThreeNow app, ROVA and on channel 114 on the SmartVU Freeview Streaming Device.

That's right - it's full stream ahead for The Edge TV.

Something else good is going up on Channel 14...

MediaWorks (the good people bringing you Three, The Edge & Bravo, just to name a few) will launch ThreeLife +1 on channel 14.

Initially ThreeLife +1 will be exclusively available to Freeview viewers who have opted to use a UHF aerial to pick up TV signals. (And if you want to get technical, yes it'll be DTT-only to start with.)

(Freeview Forum, freeviewforum.co.nz)

UTILITIES

Editor

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How time flies with us now into August and it soon will be Christmas again. Not much to report apart from logging some low frequency volmet stations early in July.

FREQ UTC DETAILS OF TRANSMISSION

FREQ	UTC	DETAILS OF TRANSMISSION
2965	1726	INDIA Mumbai volmet aero weather reports Colombia weather 7/07 ABD**
2965	1740	THAILAND "This Bangkok volmet" met reports good 7/07 ABD**
3485	0528	CANADA Gander Volmet weather reports poor to fair 1/08 ABD**
5450	0534	RAF LONDON Military volmet weather reports fair 1/08 ABD**
5505	0529	IRELAND Shannon volmet Dublin weather report fair 2/08 ABD**
6604	1021	CANADA Gander volmet poor 2/08 ABD**
6754	1024	CANADA Trenton volmet 1025 "This Trenton Military" fair 2/08 ABD**
8867	0509	Distant Aircraft Working NANDI with Coms 29/7 RP
8867	0314	KAT,ARA AKL ADV continue on Track Ref to data link Coms 30/7 RP
8867	0843	Qantas102 AKL SC E Q A R Confirm 29/7 RP
8867	1655	AKL/ECHO125 SHORT Coms 9/7 RP
8867	2225	CHATAMS 519 Contact OHAKA 126-220 31/7 RP
8867	2225	VELOCITY 151 AKL/Radio reports FL 360 FREOEXC 8867 13281 31/7 RP
8867	0333	JETSTAR 172 with Distant Coms 31/t RP
8891	0506	CANADA Gander Radio/ AWC851 selcal check fair 6/07 ABD**
11252	0537	RAF St EVAL Military volmet poor 2/08 ABD**
11387	0534	AUSTRALIA Volmet Melbourne aero weather 0534 "Australian volmet out" good 2/08 ABD**
20000	0516	WWV Male announcing the time fair followed by woman poor 6/07 ABD**

CONTRIBUTORS

RP Roger Pryde, Dunedin- Icom R70, Yaesu FRG communications receivers,
20 mtr L wire WW2

ABD** Arthur De Maine, Ashburton – Northland SDR

Thanks Roger for your contribution. I welcome any other contributions especially if anyone is into the other modes.

Arthur

VOLMET		
GANDER	VFG	RADIO
Mr. Brandon Jordan: this will verify your reception of Gander Radio VOLMET broadcast on 3,485 kHz from 0820z until 0830z on April 30, 2014.		
Transmitter Power: 2 Kw		
Antenna Type: Horizontal wire		
SIGNATURE		

Continued from page 36

best readability.)

< www.ontheshortwaves.com> Update, July 28, 2019 -- This time we have added a number of new historical items in the "HCJB Literature" section of our HCJB Tribute Page < <http://www.ontheshortwaves.com/HCJB/HCJB.html>> These were owned by early ace DXer Kermit Geary of Walnutport, PA. All are marked "New." They are:

(1) "Think it Over," a pamphlet that seems intended especially for amateurs--from the references to HCJB powers and frequencies, it looks like this dates from the mid 1930s.

(2) "The WorldWide Radio Missionary" folder, also undated, but the times and powers, and the use of the "Pre-Casilla 691" New York forwarding address, suggest that this is from 1942 or thereabouts.

(3) "HCJB International Program Schedule," Spring 1961.

(4) "First Anniversary of the Russian Program" folder--I believe they started broadcasting in Russian in 1952.

(5) "Glimpses of Ecuador," probably from the early 1960s.

Under "Specialized Resources/Wavescan," Adrian Peterson has sent along ten new stories. They are:

(1) "The Titanic Tragedy: The Flow of Wireless Messages" (Wavescan N536, June 2, 2019).

(2) "The Radio Scene on Diego Garcia-3" (Wavescan N537, June 9, 2019).

(3) "Australian Shortwave Callsign VLQ" (Wavescan N537, June 9, 2019).

(4) "David Sarnoff and the Titanic Wireless Messages" (Wavescan N538, June 16, 2019).

(5) "The American Voice of the Taj Mahal [AFRS Agra]" (Wavescan N539, June 23, 2019).

(6) "Titanic Events: The Mystery of the Overlooked Marconigrams" (Wavescan N540, June 30, 2019).

(7) "A Summary of the Radio-Related Events of Titanic Week" (Wavescan N540, June 30, 2019).

(8) "Chicago Shortwave Station in Indiana [Mackay Radio WMEC]" (Wavescan N542, July 14, 2019).

(9) "Ancient DX Report 1918-2" (Wavescan N542, July 14, 2019).

(10) "India's 100,000 Islands: The Radio Scene on Kavaratti Island [and 5 others]" (Wavescan N544, July 28, 2019).

Thanks to Adrian for continuing to illuminate the forgotten corners of DX history.

And finally, under "Specialized Resources/The DX Recordings of Colin Miller," Colin has sent along a recording of ELWA from the 1970s. *Thanks, Colin.*

BRANCH NEWS

**Any information re Branch News - notice of upcoming events
or reports of recent events, please email:
nzrdxlchiefeditor@gmail.com**

WELLINGTON BRANCH

The next Beach Babble will be on **Wednesday, 28th August, 12.45pm**

Beach Babylon Cafe, Oriental Bay, Wellington

Join Dene and others to talk about what's what in the world of DX.



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> Update, June 30, 2019 -- Though it doesn't play the role it used to, QSLing has always been part of shortwave listening. In 1983, the late Al Sizer of North Haven, Connecticut tried to capture its zen in a three-part NASWA series, "The Mystique of the QSL," in which Al asked a number of DXers to opine on what QSLing meant to them. We have posted the series under "DX History/QSLs & Other Station Memorabilia," together with an earlier (1972) NASWA article from Al, "An Honest Look at QSLs," where he takes aim at some practices that he did not consider kosher.

< www.ontheshortwaves.com> Update, July 7, 2019 -- In the early 1940s, Manitoba stations CKY-CKX made available to their listeners a series of station stamps promoting outdoor activities in the province. You'll find the story of these stamps in "Cinderella Visits CKY-CKX, Manitoba" posted under "DX History/QSLs & Other Station Memorabilia." A 1924 CKY QSL appears on pg. 4 of the article.

< www.ontheshortwaves.com> Update, July 14, 2019 -- If you are interested in deep radio history, you should be a member of the Antique Wireless Association. This time we have posted three papers from the latest AWA Review.. Two, "Jack R. Poppele, Radio Engineer," and "Highlights of the Jack Poppele Collection Recently Donated to the AWA Museum," both by Mike Molnar, chronicle the history of this important figure in radio and TV engineering. Jack Poppele was chief engineer at WOR, a well-known figure in the NNRC, and director of the Voice of America from 1953 to 1956. He was from New Jersey, and in addition to his many contributions to the electronics industry, he was an important patron of the Newark News Radio Club, and served as its honorary president. The third article, "The History of the Heath Companies and Heathkits: 1909 to 2019," by Erich E. Brueschke and Michael Mack, will be of interest to anyone who ever built a Heathkit. We have posted the Poppele papers under "DX History/Clubs and Publications, and the Heathkit paper under "DX History/Equipment & Advertising." These papers are reproduced from the 2019 issue of the AWA Review, Vol. 32, by permission of the Antique Wireless Association. Check out the AWA at < www.antiquewireless.org/> -- And we have added a recording of DW Kigali under "Specialized Resources/The DX Recordings of Colin Miller."

< www.ontheshortwaves.com> Update, July 21, 2019 -- More trinkets, this time from Canada. Under "DX History/Stations," Trinkets-VIII contains five items: (1) a medal recognizing the formation of the Canadian Radio Broadcasting Commission, predecessor to the CBC, in 1932; (2) a CBC-Radio Canada "Heritage" badge; (3) a member-button for the CBC-Radio Canada Stamp Club; (4) an RCI 60th anniversary pin; and (5) a microphone pin, which must be from 1974 or later, as that was the year the "exploding pizza" logo was adopted. Trinkets-IX contains another CBC item, a 2011 CBC commemorative coin, together with a presentation booklet celebrating the 75th anniversary of the formation of the CBC /Radio-Canada in 1936. It contains much interesting history of the CBC. (Zoom in for *Continued on page 35*)