

  <b>LEAGUE</b>	<h1>New Zealand DX Times</h1> <p>Monthly Journal of the New Zealand Radio DX League (est 1948) June 2015 Volume 67 No. 8 <a href="http://www.radiodx.com">http://www.radiodx.com</a></p> 	  <b>LEAGUE</b>
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**Welcome** to the June issue of the DX Times. Where has half the year gone?

**In this month's issue** there are a couple of interesting articles and an important notice on proposed changes of the League's constitution (see page 32). The first article refers to how Radio New Zealand International has been able to help get the Vanuatu broadcasting service back on air. This is to be found on page 17

**In his Broadcast DX column**, Bryan makes mention of the matter of the Brazilian authorities deciding what to do with their crowded bands, particularly on FM, as a result of phasing out the low powered AM broadcasters. It is suggested in Bryan's column that the Brazilians may look at expanding into the frequencies currently used by analogue TV and that they will be the first country to do so (see page 23).

This is not quite the case. I have been keeping an article from the **CQ Magazine** sent to me by **Ray Crawford**, waiting for a chance to include it in the magazine and this is the ideal opportunity. It deals with the situation in the USA where the AM bands are overcrowded and looks at how they are going to tackle the issues. As you will see, there are similarities. (See page 19).

Maybe it is something for the New Zealand authorities to consider. Our AM band is overcrowded with stations that would best be moved to FM. I actually think the best solution is to go to DAB Radio, such as they have in the UK. In that way you wouldn't have to worry about multiple frequencies for National Radio, Concert FM, Newstalk ZB et al. The other real advantage would be an empty AM band and then lots of DX to be had!

Speaking of **DAB Radio**, I am off to the UK for a family occasion at the beginning of July. The next edition of the DX Times will be produced from there. I have bought a DAB/ DRM radio - the Morphy Richards 27024. I am going to test drive it in the UK where DAB is now widespread.

**Chris Mackerell** did a review for the April 2007 DX Times, which can be found here: <http://www.owdjim.gen.nz/chris/radio/DRM/MorphyRichardsReview.pdf>. It will be interesting to see if the manufacturers have tweaked it at all in the intervening 8 years. It is about the only DRM receiver (which is what I specifically want it for) that I could find on the web.

Happy reading and good DX to you all,

Stu

**Deadline for next issue is Wed 1st July 2015. P.O. Box 178, Mangawhai 0540**

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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.

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**Mangawhai, 0540,**  
**NEW ZEALAND**

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**CLOSING DATES FOR THE NEXT  
3 MONTHS 2015**

**July      Wednesday 1st July**

**August   Wednesday 5th August**

**September   Wednesday 2nd September**

**You can send your contributions to the  
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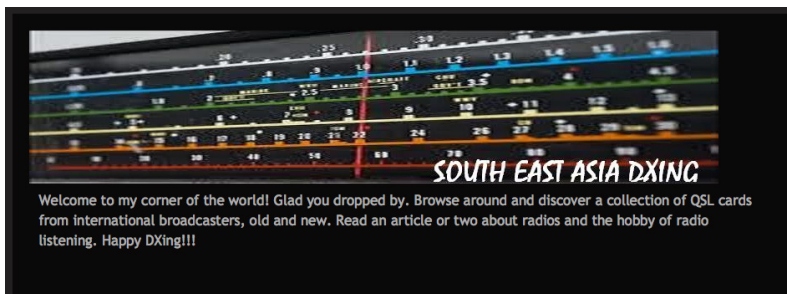
**or use the email or postal addresses  
given by the section sub-editors.**



There are lots of radio sites and blogs out in cyberspace these days that assist us in our hobby. We all have our favourite places to find frequencies - some use AOKI, some use short-wave.info, and others use QIP for schedules.

A blog site that I have come across is <http://shortwavedxer.blogspot.com/>. Run by **Timm Breyel**, it gives some really useful information when searching for that elusive QSL. Timm is an American, who has lived in Malaysia for a long time - 30 years. He DXes out of one of KL's suburbs and has an aerial mounted on the roof of his house. He is a very friendly chap and is only too happy to assist. He recently ran an ad for the League on his blogsite - look at <http://shortwavedxer.blogspot.com/2015/05/new-zealand-dx-times-membership.html>

If you've got a spare minute or two, have a look at Timm's website. I am hoping to meet up with Timm after we move house in late July.



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

They can be found at

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

# MAILBAG

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Well, your Queen's Birthday break has gone for another year, but our friends across The Ditch are celebrating mid-month as the Australian Radio DX Club turns 50 on the 19th. Happy birthday!

**Kelvin Brayshaw, Levin** opens with a personal Eureka moment to improve his listening quality. "Having decided a couple of years ago that my SWL activities would follow the DX-Lite route, I got rid of table-top receivers and outdoor antennas, and placed two PL-660 portables on an old-fashioned oak tea trolley, so they could be moved to the best part of the house for morning and evening dark path reception. It wasn't long before I was attaching wire extensions to the whips to try and boost signals, but the only item that gained any boosting was the noise-level. A month ago a 'light-bulb moment' resulted in a length of hookup wire joining the tips of the two whip antennas. This setup has shown directional properties, but hasn't been able to deal with the dreaded evening noise from neighbourhood TV affecting weak signals. However, the dozen turns of hookup wire I'd wound for an 'earth' around the lower deck of the trolley have finally proved their worth, killing the TV! when connected to an earthing point on the receiver not currently in use - whoopee! No wonder we become so attached to this hobby." *(Two points: I'm impressed you have two receivers of the same model; and amazed your neighbours watch gogglebox in the evenings only.)*

**Jonathan Wood, Mosgiel** is another one known for trying out ideas on the fly. "Hello Theo, a quiet month here apart from a sharp short earthquake last night. Early in the month I tried a new site, Purakaunui Bay, which has potential. There are some very close cliffs below the railway line which I will try to get under next time - I was about 40m away this time. Will be interesting to see how directional signals get 5m away from a cliff. Then a trip with Philip Garden to Long Beach, a good reliable location. Radio now running off a motorbike-type battery which means a month between rechargings rather than every 3-4 days! Regards, Jonathan." *(Not just the earth shaking either: the video of those kayakers on Leith Stream during your flooding made CBC-TV's national news.)*

**Douglas Johns, Christchurch** included a grumble about the cold... a 10.2-degree frost... with these notes. "After a trip to Hamilton, and back down the East Coast of the North Island, and logging quite a few stations, the postie has delivered Bay FM Hastings 100.7, Arrow FM Masterton 92.7, Turanga FM Gisborne 91.7, More FM Castlepoint 105.9 and 94.2, More FM Masterton 89.5, Hauraki Napier 99.9, Hauraki Gisborne 105.3, Hauraki Tauranga 91.0, Radio Sport Masterton 91.9, The Hits Masterton 90.3, The Hits Napier 89.5, The Hits Gisborne 90.9, 2ZE Radio Ekatahuna 106.5, Radio Kidnappers Hastings 104.7, Newstalk ZB Tauranga 90.2, Mai FM Wellington 88.6, Spellbound Harbour Radio Gisborne 106.8 for 1000th QSL on FM, and on AM Newstalk ZB Hamilton 1296, Newstalk ZB Hawera 1323, Rhema Christchurch 540, Star Dunedin 900, Star Christchurch 963 and 612, Magic Wellington 891, Magic Christchurch 738, Magic Auckland 702, Radio Sport Napier 1125, Radio Sport Tauranga 1521, and Radio Kidnappers Hastings 1431, with hopefully more to

follow.” *(Wow, with a list like that, you’re trying to out-do Ian up in Marlborough! I’m intrigued as to why More FM would need two frequencies out at Castlepoint?)*

**Ian Cattermole, Blenheim** no doubt will eye that competition. “Herewith my SW veries received during May: Radio Dabanga, Talata 13800; RDW Talata 15275; RDW Dhabbaya 15725; TWR-Africa Dhabbaya 15725; RFA Kuwait 19000 & 9685; RFA Tinian 11855; Radio Veritas, S. Maria di Galeria 15100; NHK 11790; TWR-India, Tashkent 15755; RDW Yerevan 11960; RDW Meyerton 7425; RDW Issoudun 13610; and RRI 9730 & 11800 kHz. There you have them for another month.” *(Well, if SW ever dries up completely, Douglas shows you’ve got another world waiting with FM.)*

**Bryan Clark, Mangawhai** reports in that he logged and verified Radio Puntland at Garowe in Somalia with its new 25kW transmitter on 13800. Other pleasing shortwave receptions have been the seasonal return of reception of Zanzibar 6015, Voice of Guyana 3290, and signs that Voice of Nigeria are making technical progress at long last with their 250kW transmitters being heard on 7255 and 9690. MW DX highlight of the month was reception of Venezuela on 1560, my first from that country since the 1970s in Wellington. Checked out Peter Mott's new location in the Bay of Islands - Peter has found a relatively quiet location and is installing a quality antenna set-up. Long-time member Ray Babbage is visiting Mangawhai next week - possibly the first time we have caught up since the late 70s. *(Ray has orders from me for a full report next month. I notice in your BCB column preview that one of those iconic calls of decades past – KORL – has disappeared, though from 1180, not the 650 of long ago.)*

**Günter Jacob in Passau, Germany** has a list of veries to match Douglas and Ian. “Since I last reported, I gratefully received quite a number of QSLs. Dr. Adrian Peterson verified reception of AWR broadcasts from Moosbrunn (9830), Issoudun (11880), KSDA Agat (9900, 12040, 15530, 15665, 15710), Trincomalee (9810, 11780, 11955, 11975, 12035), Meyerton (11790, 11840, 15490), Talata Volonondry (15480, 15680, 17575), Kigali (11850, 15700). (What a pity that New Zealand DXers seem to have no Kigali QSLs!) A J Janitschek verified RFA Tinian (11985), MGLOB Madagascar (7445, 12115), IBB Thailand Transmitting Station (7550, 12005, 12035, 12140), FEBC (9345), Radio Cairo (9965), Radio Romania (6020, 7300, 11795, 15130, 15400, 21520, 21570), BVB via Moosbrunn (9715), Radio DARC with 100 kW via Austria on 6070, and Radio Revival Sweden with 5 kW on 9865 kHz.” *(I have one: DW 11905 from mid-April 1966.) (See page 33 - Chief Ed.)*

I’m sure Bryan will mention this in the Adcom column, but ‘Mailbag’ also received email from Jeff White, General Manager of WRMI/Radio Miami International in Okeechobee, FL. He will be in Auckland on the 1st and 2nd of September while on his way home from the High Frequency Coordination Conference in Brisbane, and was wondering about a get-together with locals.

Till July... may you discover that getting your wires crossed improves reception. Hey, it worked for Kel! 73, Theo

**PS The Chief Editor in Malaysia** reports going on the dials to look for SOH broadcasting on 18870 with 100w. He found it, recorded some of it and wrote the report. He also looked on the other advertised frequencies and found transmissions on 17170, 16100, 13980, 13870, 12950, 11775 and 7210 kHz. The 18870 freq was very strong - clearly more than 100w. Once the Mandarin teacher at school had a listen, the transmission was identified as China National Radio!! Don’t bother jamming, just broadcast over the top! A QSL is promised.

# BANDWATCH UNDER 9MHZ

Editor

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Wainuiomata

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Please add the date, language in full, and country of transmitter origin of your logging to your report, and keep the reception details short. Would you please try not to repeat loggings in adjacent months.

**Please get a clear ID or show as tentative.**

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

- 3290 0803 GUYANA Voice of Guyana w/hymn 'Amazing Grace', later mix of Hindi vocals & Christian hymns. At 0945 "You're tuned to the Voice of Guyana, its 5 hours 45", then into religious feature. Time signals 1000 but fading fast 12/5. Weak to poor signal most nights, but occasionally logable. BCM.
- 3480 1640 S.KOREA, V.o.The People, Poor in Korean, om, yl, mx // 3912 poor, 4450 fair - KB 21/3
- 3925 0957 JAPAN R. Nikkei 1 Sapporo Male announcer JJ poor/fair - 9/5 PG-L
- 4835 1645 AUSTRALIA, ABC Alice Springs, Vg in EE, ma with phone-in quiz - KB 28/3
- 4840 0705 USA, WWCR, Poor in English, om - KB 22/3
- 4845 0927 BRAZIL Radio Temura FM relay clear w/ident 0929, through strong open carrier, presumed to be other Brazilian Radio Cultura 17/5. Confirmed as parallel to station webstream. Website lists Meteorologia on 4885 onda tropical which is clearly a typo for this frequency. BCM
- 4875.1 9933 BRAZIL Radio Roirama, Boa Vista poor to fair w/PP talkback. Confirmed by webstream comparison which ran slightly ahead of SW signal 17/5. BCM
- 4920 1556 INDIA, AIR Chennai, Poor in EE, ethnic mx, 1600 fa nx, 1603 mx - KB 28/3
- 5020 1004 SOLOMON ISLANDS Honiara Male announcer EE Fair - 9/5 PG-L
- 5025 0620 CUBA, R.Rebelde, Poor in Spanish, ma, mostly mx prgm - KB 22/3
- 5745 0932 USA VOA Radiogram Fair in English with digital content; digital on top of music 0959; end tx 1000 (I take it the digital content is pictorial) JW-LB 9/5
- 5890 0700 USA. WWCR. Fair in English. 28/4. IC.
- 5900 1900 BULGARIA. KBS-World. Poor in German via Kost. 12/5. IC
- 5910 0429 FRANCE, NHK good in Japanese – BDW 14/4
- 5910 0840 COLOMBIA Alcaravan R. Puerto Lleras jingle ID hrd fair 9/5 PG-L
- 5915 2018 ZAMBIA ZNBC Lusaka fair but clear in vernacs w/news , later highlife music. Followed past 2100 2/6. Audible most days at present. BCM
- 5940 0430 BRAZIL, R.Voz Missionaria, Fair/poor in Portugese, w/occsnl heavy QRN, relg om, mx at times //9665 weaker (both freqs still audible 0520/13th) - KB 11/5
- 5975 0415 FRANCE. AWR via ISS. Fair in Bulgarian. 29/4. IC
- 6003 0930 S. KOREA Echo of Hope Mass choir singing KK Poor 9/5/ PG-L
- 6050 1700 KUWAIT, R.Kuwait, Fe in AA with football, mx, comment // 13650 Pr - KB19/5
- 6055 0925 JAPAN R. Nikkei 1 Tokyo Male/female announcer JJ 9/5/ PG-L
- 6065 1822 BOTSWANA, VOA, Fair in listed Swahili, 2 IDs 1830, getting weaker by 1840 - KB 19/5
- 6070 0919 CANADA CFRX Fair in English; Ads; "Newstalk 1010" with CBS News Weekend Roundup JW-LB 9/5

6095 1800 STH AFRICA, BBC, Poor in FF, TS om/yl // 15105 (ASC) weak - KB 19/5  
6105 0412 TANZANIA/ZANZIBAR ZBC Dole w/local news, frequent references to Zanzibar. Quran-type call briefly at 0428 then into Mideast themed orchestral. Fair at best, fading rapidly from 0435 3/6. BCM

6155 0430 AUSTRIA. AWR via MOS. VG in French. 30/4. IC  
6165 0439 LITHUANIA, R.Japan, Fair/Poor in Russian, om & yl, ID 0444, background studio mx during prgrm, I/S, TS 0559 - KB 18/5

6165 0440 LITHUANIA. NHK via SIT. Fair in Russian – IC 29/4  
6165 1256 INDIA, AIR gd in Hindi with male singer// 9620 less clear with QRM – CC 4/5  
6170 1321 NZ, RNZI good with discussion about Samoa – CC 4/5  
6170 2050 ROMANIA. RRI. Poor in English. 26/4. IC  
6190 1445 JAPAN, NHK good in Chinese – BDW 14/4  
6295 2016 IRELAND Reflections Europe w/ Sunday-only transmission of religious prgms. Usually poor at best but followed past 2100 on 31/5. BCM

7120 1755 SOMALIA, R.Hargeisa, Fair/poor in Somali, ma low audio, but long om/om talks & occsnl mx and chants at fair level - KB 28/4

7205 2008 TURKEY, VOT fair in English with comment on Middle East & mx – KAB 3/5  
7215 1955 CHINA, CRI poor in Chinese with ID and freqs 1958utc – KAB 3/5  
7220 1103 NTH KOREA, V of Korea good with choir. Surging and scratchy // 9445 the same – CC 6/5

7250 1730 INDIA, AIR GOS, Fair in Malayalam, but noisy xmtr, off air 1824 // 12025 poor - KB 17/4

7255a 0551 NIGERIA Voice of Nigeria strong w/native rhythms 18/5 on 7254.94 in parallel to 9689.94 also strong. Tuning signal and s/on in Hausa at 0600 w/ident. Closed at 0631. BCM

7260 0900 VANUATU R. Vanuatu Bislama Male axer Station ID EE 9/5/ PG-L  
7265 1800 STH.AFRICA, BBC, Poor/fair in Somali, sig improving, 1829 I/S ID - KB 5/4  
7275 1739 STH KOREA, KBS World Radio fair in Korean with talk. Steady QRN // 9740 the same – CC 19/5

7285 0458 SOUTH AFRICA Sonde Grense Afrikaans domestic service opens abruptly. Anncts, theme music & news just after the hour 30/5. Fair to good reception. BCM

7295 0446 FRANCE, R Algerienne fair in French with comment – KAB 3/5  
7305 0617 ASCENSION ISL, BBC, Fair in French, om, ID 0620, off 0629 - KB 6/4  
7315 0715 WHRI. VG in English. 7/5. IC  
7360 0428 STH.AFRICA, BBC, Poor in EE, ID, ma, nx/comment, occsnl heavy QRN - KB 12/4

7360 0445 SOUTH AFRICA. BBC via Meyerton. Fair in English. 30/4. IC  
7365 1314 THAILAND, VOA fair in Chinese with talk, surging // 13690 the same – CC 4/5

7395 0356 MADAGASCAR, NHK/R Japan pr in listed Swahili with comment – KAB 18/5  
7420 1707 CHINA, CRI "Roundtable" very good in English – BDW 10/5  
7425 0500 STH.AFRICA, DW, Fair/poor in English, ma, nx/sport, ID - KB 12/4  
7425 0500 SOUTH AFRICA. RDW via Meyerton. Fair in English. 2/5. IC  
7445 0630 ASCENSION ISL, BBC, Fair in EE, fa, s/on, nx 100 yr old JJ lady in athletic event - KB 6/4

7445 1830 MADAGASCAR, BBC, Poor in English, nx/sport, ID, fading 1859 - KB 5/4  
7530 1330 N.MARIANAS. RFA Poor in Burmese after English IDs. 21/5. IC  
7560 1614 PHILIPPINES, VOA fair in listed Tibetan with music and talk. Very scratchy // 9565 the same – CC 16/5

## OVERSEAS LOGGINGS

All may not be audible in NZ at the times listed - all courtesy Rich D'Angelo

### FREQ UTC Country, Station, Programme & Reception Details

- 4885 0859 BRAZIL Radio Clube do Pará – Belém, 0859-0919 May 17, long talk in PP followed by vocal selection. Appeared to be a Sunday morning religious prgm which was //690 on the Internet. Fair.
- 4915 2335 BRAZIL Radio Daqui – Goiânia, 2335-0100\* Apr 25, program of Brazilian pop vocals hosted by a man with PP language talks, ID and axmnts. I recall them closing at midnight so is this a new sign off time? Poor to fair.
- 5910 0910 COLOMBIA Alcaraván Radio –Puerto Lleras, 0910-0936 May 17, nice prog of Latin vocals with a woman announcer in SS with ID followed by a more formal canned ID before returning to music program. Poor to fair.
- 5952.4 0011 BOLIVIA Radio Pio Doce – Siglo Veinte, 0011-0056 May 28, music prog followed by a talk by a man and woman. More music, some vocals with nice ID by a man announcer at 0035 after a few vocal selections. Poor to fair.
- 6924 0223 AM PIRATE (No. Am.) Captain Morgan Shortwave, 0223-0244\* Apr 26, Twilight Zone theme music and songs such as Abracadabra by Steve Miller Band, Nice closedown ID at 0244 and gone. Poor.
- 6935.1U 2344PIRATE (No. Am.) Radio Appalachia, 2344-0018 May 25, program of country music selections with a bunch of Johnny Cash tunes (Ring of Fire, Walk the Line) and several IDs noted but no contact information heard. Fair but noisy conditions.
- 6940U 0012 PIRATE (No. Am.) Radio Free Whatever, 0012-0026 Apr 26, DJ Dick Weed hosting prog of rock music with IDs (“This is Radio Free Whatever”). Fair to good.
- 7205 0307 SUDAN Radio Omdurman, 0307-0402 May 29, man announcer reading the news in AA. Music prog commenced at 0310 followed by a long talk from 0323. Continued with mx and long talk segments. Nx at 0400. Fair to good.
- 7360 0436 SOUTH AFRICA BBC – Meyerton, 0436-0459\* May 17, EE prog with discussion of news topics seemingly hosted by a woman announcer. Poor to fair at tune in but essentially useless by closedown.
- 7460 0230 PRIDNESTROVIE Radio Payam E-Doost - Grigoriopol, \*0230-0315\* Apr 25, musical opening, ID followed by program of mainly talks in the Farsi language with short music segments. Good signal.
- 7505.4 0240 USA WRNO Worldwide – New Orleans, 0240-0318 Apr 15, Christian pop vocals with a man axergiving station ID at 0245 and again at 0315. Good signal.

**Contributors** ( With my thanks ).

**BCM** Bryan Clark at Mangawhai (Northland) with Drake SPR4, AOR7030+, EWes to Nth, Cent & Sth America, 100m BOG to NE and Alpha Delta Sloper antennas.

**BDW** Brian Webb, Upper Hutt ,AR1733 7 whip, DE1103 with whip.

**CC** Cliff Couch, Sevenoaks, Paraparamu, ATS 803A, 30m wire attached to faciaboard.

**(D'Angelo-PA)** Richard D'Angelo Wyomissing USA, Ten-Tec RX-340, Eton E1, Eton E5, R8B, Lowe HF 150, Alpha Delta sloper, RF Systems mini windom, Datong FL3, JPS ANC.

**IC** Ian Cattermole, Blenheim, JRC NRD535. ICOM IC-746PRO. Antenna. T2FD. EWE

**JW-LB** Jon Wood, Long Beach, just south of Brighton, 46m dipole, all on the Lowe.

**KB** Kelvin Brayshaw, Levin. PL-660, Whip, ATS-909, 3MHz frame loop.

**KAB** Ken Baird, Wainuiomata, Kenwood R5000, 25m wire, Digitech AR-1745 and 1.1m whip

**PG-L** Philip Garden, Long Beach, Kenwood R-5000, 100m BOG N/E

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# BANDWATCH OVER 9MHZ

Editor

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Levin

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If you have not confirmed station ID kindly mark item as 'tentative'.

You are requested not to include items from the same tx site & frequency if they have appeared in NZDXT bearing your initials during the two preceding months.

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

- 9435 1307 N.KOREA, V of Korea, Fair/good in English, Choir singing. Surging // 11710 the same - 4/5 CC
- 9475 0800 USA. WTWW. Fair in English. 6/5. IC
- 9500 1725 ROMANIA, RRI, Good in Romanian, om speaking // 11975 the same - 19/5 CC
- 9540 1531 JAPAN, NHK, Very good in Chinese - 14/4 BDW
- 9570 1453 S.KOREA, KBS, Very good in Italian - 24/4 BDW
- 9625 2031 JAPAN, NHK, Good in Japanese - 15/4 BDW
- 9640 1500 S.KOREA, KBS, Good in Vietnamese - 24/4 BDW
- 9685 2105 KUWAIT. RFA. Fair in Chinese. 1/5. IC
- 9690a 0607 NIGERIA Voice of Nigeria strong signal & good quality audio in presumed Hausa w/news & actualities 13/5. Missing at 0658 recheck. Actual measured freq is 9689.94 BCM
- 9725 0825 BRAZIL, R.Clube Paranaense (tent), Fair in Portugese - 9/5 JWB (IDs as RB2 //11935 Ed)
- 9740 1600 S.KOREA, KBS, Good in Korean - 24/4 BDW
- 9740 2200 SINGAPORE. BBC. Poor in English. 11/5. IC
- 9750 1622 JAPAN, NHK, Good/fair in Japanese - 15/4 BDW
- 9790 0646 FRANCE, RFI, Good in French, yl & om spkg. Mostly clear // 11700 weak & scratchy - 26/5 CC
- 9890 2215 OMAN. BBC. Poor in English. 11/5. IC
- 9955 0530 USA. Radio Slovakia via RMI. Good in Spanish. 8/5. IC
- 11635 0655 USA, WHRI-2, Fair in English, Hymn singing. om with ID 0659 & off. Surging & scratchy - 26/5 CC
- 11670 2100 INDIA. AIR. Fair in English. // 11620 much better. 26/4. IC
- 11680 0428 GERMANY, NHK via NAU, Good in Japanese - 14/4 BDW
- 11695 2047 JAPAN, NHK, Good/fair in Japanese - 15/4 BDW
- 11730 1248 IRAN, VOIRI, Fair in Pashto, om spkg. Very scratchy // 13730 the same - 4/5 CC
- 11735 1947 BRAZIL R Trans Mundial all alone w/contemporary Christian vocals and frequent PP idents 14/5. No sign of co-channel Zanzibar for some weeks now. BCM
- 11740 1035 SINGAPORE, NHK, 1035-1200, Good in Burmese, very good in Vietnamese & English, excellent in Thai - 17/4 BDW
- 11790 0727 JAPAN, NHK, Very good in Japanese - 16/4 BDW
- 11815 0946 JAPAN, NHK, Good/fair in Korean - 17/4 BDW
- 11825 1630 IRAN, VOIRI, Fair/good in Bengali, om spkg, scratchy on & off // 9435 the same - 16/5 CC
- 11855 1500 N.MARIANAS. RFA. Fair in Korean after English IDs. 9/5. IC
- 11900 1743 CHINA, CRI, Very good in English - 10/4 BDW

- 11945 1733 FRANCE, NHK via ISS, Good in Japanese - 13/4 BDW  
11950 1109 CUBA, R.Habana, Good in Spanish, om & yl spkg // 9820 the same - 8/5  
CC
- 11955 1700 FRANCE. RTI via ISS. VG in Russian. 27/4. IC  
11965 1613 CHINA, CRI, 'China Drive', Very good in English - 8/4 BDW  
11975 0559 FRANCE, NHK Excellent in Arabic - 18/4 BDW  
12045 1600 JAPAN, NHK, Good in Japanese - 14/4 BDW  
12095 0752 ASCENSION ISL, BBC, Fair in English - 9/5 JWB  
13650 0805 JAPAN, NHK, Excellent in Japanese - 18/4 BDW  
13650 1700 KUWAIT, R.Kuwait, Poor in AA with live football, fair by 1800 // 6050 fair/  
poor - 19/5 KB
- 13680 1430 FRANCE, NHK, Good/fair in Japanese - 15/4 BDW  
13725 0635 FRANCE. RFI. Good in English. Off 0700. 28/5. IC.  
13760 1624 CHINA, CRI, 'Roundtable', Good in English - 10/4 BDW  
13765 1623 MADAGASCAR, Vatican R, Fair/good in Somali, OMs spkng, choir singing.  
Scratchy // 15570 the same - 16/5 CC
- 13800 0442 MADAGASCAR, R.Dabanga, Fair in Dafuri, om re Sudan & Dafur , ID 0455  
- 3/5 KB
- 13800 1128 SOMALIA Radio Puntland new station poor but improving w/Horn of Africa  
vocals, interrupted by periodic ident in Italian/EE & Somali. Followed to  
1307 tuneout on 19/5. Also hrd on 20/5 at 0727 w/Quran, then Italian/EE  
ident, weak signal. BCM
- 13830 0530 BOTSWANA, VOA, Fair sig in FF, but spoiled by local TV noise at this time -  
27/5 KB
- 13840 0530 MADAGASCAR, R.Japan, Poor in French, I/S, s/on, om at length - 5/5 KB  
15105 1758 ASCENSION ISL, BBC, Fair in FF, I/S s/on, ma, fa, nx and sport - 2/5 KB  
15190 1912 PHILIPPINES, R.Pilipinas, Fair in Filipino, fa/yl talk // 12120 steadier, 1924  
ID - 5/5 KB
- 15195 0431 JAPAN, NHK, Good/fair in Japanese - 18/4 BDW  
15265 0030 PHILIPPINES, R.Veritas Asia, Poor in Bengali after I/S & ID in English - 2/5  
KB
- 15275 0500 MADAGASCAR. RDW via Talata. VG in English. 1/5. IC  
15275 0714 FRANCE, DW, Fair to good in EE, item on refugees crossing the Med - 9/5  
JWB
- 15280 1400 GUAM. KTWR. Good in Nepali. 3/5. IC  
15290 0759 FRANCE, NHK, Good in Japanese - 18/4 BDW  
15345 1957 ARGENTINA, RAE, Fair in French, fa w/several IDs, ma, background mx -  
18/5 KB
- 15355 2255 PHILIPPINES, R.Veritas Asia, yl EE ID, then om Filipino relg, then yl/yl talk.  
Fair - 1/5 KB
- 15400 1904 ASCENSION ISL, BBC, Fair in English, UN advise Nigeria ebola-free, 1905  
ID - 9/5 KB
- 15435 0000 PHILIPPINES, FEBC (tent), Fair/poor in vern, long mx before 15 mins of om/  
yl - 11/5 KB
- 15445 1750 GERMANY, NHK via NAU, Good in Japanese - 17/4 BDW  
15476 2050 ANTARCTICA LRA36 Esperanza Base w/usual FA in SS and pop music at  
fair level 8/5. Ident in FF at 2100 as "Vous ecoutez LRA36 Radio Nacional  
Arcangel San Gabriel en la frecuencia de..." followed by usual SS s/off anncnt  
including names of station staff. At 2103 3-tone signal turned off transmitter.  
Also hrd 18/5 but not since so presumed closed for the winter. BCM
- 15525 2225 AUSTRALIA, RBA, Fair, EE s/on, mx "Morning has broken" then om in  
Chinese - 6/5 KB
- 15600 0030 PHILIPPINES, FEBC (tent), Poor in listed Myanmar verns & mx on several  
days. pulse jammer co-chan - 31/5 KB

## Overseas Contributions (Edited)

- 11510 0401 PRIDNESTROVIE Denge Kurdistane, 0401-0426, ma, news in Kurdish, music and talk. Good signal - 9/5 RDA
- 11620 0110 INDIA All India Radio – Bengaluru, 0110-0136, program of Hindi vocals with sitar music. ID 0130, then news in Urdu. Poor to fair - 23/5 RDA
- 11680 0403 GERMANY Radio Japan – Nauen, 0403-0421, MA with news in Japanese. Then musical segment & more talk features. 0414 NHK IDs and theme mx. Fair to good. - 23/5 RDA
- 11710 2235 ROMANIA Radio Romania International – Tiganesti, 2235-2246, MA in English, 'Mailbag' w/reception reports and listener letters. End of program 2245, then yl Fair - 23/5 RDA
- 11740 0002 INDIA (Goa) All India Radio – Panaji, 0002-0053, mix of vocals and Tamil language talks. Into Sinhala program from 0045. Poor to fair - 9/5 RDA
- 11764.6 0310 BRAZIL Radio Deus é Amor – Curitiba, 0310-0347, ma with excited Portuguese relig talk, music at 0336, Canned ID 0339, and long relig talk from 0340. Fair - 9/5 RDA
- 11855.2 2351 BRAZIL Radio Aparecida, 2351-0023, fa w/Portuguese talk, ID at 0001, vocals. Fair to good - 6/5 RDA
- 11925 0419 IRAN Voice of Islamic Republic of Iran – Kamalabad, 0419-0434, apparent Turkish language program with instrumental music until a man announcer with news at 0431. Poor signal - 23/5 RDA
- 11955 2116 AUSTRIA Adventist World Radio - Mossbrunn, 2116-2129\*, English relig program w/long talk by yl, ID and contact info at 2125; instr mx from 2127 until off air - 17/5 RDA
- 15575 1325 KOREA (South) KBS World – Kimjae, 1325-1403, English program and weekly Mailbag at 1330, contest info incl three grand prize winners for trip to Seoul. Weekly DX Report w/ host Kevin Sullivan (?) followed. ID & into Korean at 1400. Fair - 9/5 RDA
- 17715 2200 SPAIN Radio Exterior de España – Noblejas, 2200-2208\*, fa, ID and announcements in Spanish followed by IS until 2205; off air 2208. Fair to good signal - 17/5 RDA

## Contributors

<b>BCM</b>	Bryan Clark	Mangawhai	AOR7030+. EWEs to NAm, CAm & SAm Drake SPR4 with Alpha Delta Sloper
<b>BDW</b>	Brian Webb	Upper Hutt	Degen & Watts portables. 1m whips
<b>CC</b>	Cliff Couch	Paraparaumu	ATS-803A. 30m wire on apartment fascia
<b>IC</b>	Ian Cattermole	Blenheim	NRD-535, IC-746Pro, T2FD, EWE
<b>JWB</b>	Jonathan Wood	Long Beach	Lowe HF-150, 46m Dipole
<b>KB</b>	Kelvin Brayshaw	Levin	PL-660, Whip
<b>RDA</b>	Richard D'Angelo	Wyomissing PA	RX-340, R-8B, Eton E1, E5. Alpha Delta DX Sloper RF Systems Mini Windom, Datong FL3, JPS ANC-4

# ENGLISH IN TIME ORDER

Editor

**Yuri (George) Muzyka**  
Auckland

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Time Order summary of Ken'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. For propagation forecasts please refer to Mike's column.

\*\*\*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
0428	7360p	BBC	UK	12/4	KB
0445	7360f	BBC	UK	30/4	IC
0500	7425f	DW	GERMANY	12/4, 2/5	KB, IC
0500	15275g	RDW	GERMANY	1/5	IC
0630	7445f	BBC	UK	6/4	KB
0635-0700	13725g	RFI	FRANCE	28/5	IC
0655-0659	11635f	WHRI-2	USA	26/5	CC
0700	5890f	WWCR	USA	28/4	IC
0705	4840p	WWCR	USA	22/3	KB
0714	15275g	DW	GERMANY	9/5	JWB
0715	7315g	WHRI	USA	7/5	IC
0752	12095f	BBC	UK	9/5	JWB
0800	9475f	WTWW	USA	6/5	IC
0919-1010	6070f	CFRX	CANADA	9/5	JW-LB
0932-1000	5745f	VOA	USA	9/5	JW-LB
1004	5020f	Honiara	SOLOMON IS	9/5	PG-L
1307	9435g:11710g	V of Korea	NTH KOREA	4/5	CC
1556-1603	4920p	AIR	INDIA	28/3	KB
1613	11965g	CRI	CHINA	8/4	BDW
1624	13760g	CRI	CHINA	10/4	BDW
1645	4835g	ABC	AUSTRALIA	28/3	KB
1707	7420g	CRI	CHINA	10/5	BDW
1743	11900g	CRI	CHINA	10/4	BDW
1830-1859	7445p	BBC	UK	5/4	KB
1904-1905	15400f	BBC	UK	9/5	KB
2008	7205f	VOT	TURKEY	3/5	KAB
2050	6170p	RRI	ROMANIA	26/4	IC
2100	11620g:11670f	AIR	INDIA	26/4	IC
2200	9740p	BBC	UK	11/5	IC
2215	9890p	BBC	UK	11/5	IC
2225	15525f	RBA	AUSTRALIA?	6/5	KB

# SHORTWAVE REPORT

Editor

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Blenheim

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**UZBEKISTAN** Summer A-15 schedule of CVC Voice Asia:  
1100-1400 on 9670 TAC 100 kW / 153 deg to INDIA Hindi  
1400-1700 on 6260 TAC 100 kW / 153 deg to INDIA Hindi  
According to WRTH Update of May 1, CVC The Voice Asia is planning to stop broadcasts in mid May.

**USA** WEWN Full A-15 schedule

WEWN-1

0000-0900 11520 EWN 250 kW 085 deg to WeAF English  
0900-1300 11520 EWN 250 kW 355 deg to SoEaAS English  
1300-1600 15610 EWN 250 kW 355 deg to SoEaAS English  
1600-1900 15610 EWN 250 kW 040 deg to NE/ME English  
1900-2400 15610 EWN 250 kW 085 deg to WeAF English

WEWN-2

0000-1000 11870 EWN 250 kW 155 deg to SoAM Spanish  
1000-1700 12050 EWN 250 kW 155 deg to SoAM Spanish  
1700-2400 13830 EWN 250 kW 155 deg to SoAM Spanish

WEWN-3

0000-0500 5810 EWN 250 kW 220 deg to MEX Spanish  
0500-1300 7555 EWN 250 kW 220 deg to MEX Spanish  
1300-1800 11550 EWN 250 kW 220 deg to MEX Spanish  
1800-2400 12050 EWN 250 kW 220 deg to MEX Spanish

**VATICAN(non)** Frequency change of Radio Tamazuj and Radio Dabanga:

Radio Tamazuj:

0400-0430 NF 11645 SMG 250 kW / 146 deg to EaAf Sudanese Arabic, ex 11650

Radio Dabanga:

0430-0600 NF 11645 SMG 250 kW / 146 deg to EaAf Sudanese Arabic, ex 11650

**TURKEY** Summer A-15 shortwave schedule for Voice of Turkey:

0000-0155 on 7260 EMR 500 kW / 072 deg to CeAs Turkish  
0100-0155 on 9770 EMR 500 kW / 290 deg to SoAm Spanish  
0100-0155 on 9870 EMR 500 kW / 270 deg to CeAm Spanish  
0200-0255 on 9465 EMR 500 kW / 072 deg to CeAs Uyghur  
0300-0355 on 6165 EMR 250 kW / 138 deg to N/ME English  
0300-0355 on 9515 EMR 500 kW / 325 deg to NoAm English  
0400-0555 on 6040 EMR 250 kW / 138 deg to N/ME Turkish

0400-0555 on 11980 EMR 500 kW / 310 deg to WeEu Turkish  
0600-0855 on 11750 EMR 500 kW / 097 deg to WeAs Turkish  
0600-0855 on 11955 EMR 500 kW / 150 deg to WeAs Turkish  
0600-0855 on 13635 EMR 500 kW / 310 deg to WeEu Turkish  
0700-0755 on 11730 EMR 500 kW / 095 deg to CeAs Azeri  
0830-0955 on 11795 EMR 500 kW / 095 deg to WeAs Persian  
0900-0955 on 11750 EMR 500 kW / 210 deg to NEAf Arabic  
0900-1155 on 11955 EMR 500 kW / 150 deg to WeAs Turkish  
0900-1155 on 13635 EMR 500 kW / 310 deg to WeEu Turkish  
1000-1025 on 9855 EMR 500 kW / 032 deg to EaEu Tatar

1000-1055 on 9655 EMR 500 kW / 072 deg to CeAs Georgian  
1030-1055 on 13650 EMR 500 kW / 072 deg to CeAs Uzbek  
1100-1125 on 7210 EMR 250 kW / 290 deg to SEEu Bulgarian  
1100-1155 on 15240 EMR 500 kW / 062 deg to EaAs Chinese  
1130-1225 on 13760 EMR 500 kW / 310 deg to WeEu German  
1200-1225 on 11825 EMR 500 kW / 090 deg to CeAs Turkmen  
1200-1255 on 13710 EMR 500 kW / 092 deg to SoAs Urdu  
1200-1255 on 13635 EMR 500 kW / 310 deg to WeEu Turkish  
1230-1325 on 11700 EMR 500 kW / 072 deg to CeAs Uyghur  
1230-1325 on 15450 EMR 500 kW / 310 deg to WeEu English  
1300-1355 on 11965 EMR 500 kW / 020 deg to EaEu Russian  
1300-1555 on 9840 EMR 500 kW / 310 deg to WeEu Turkish  
1330-1355 on 11880 EMR 500 kW / 062 deg to CeAs Kazakh  
1400-1425 on 9610 EMR 500 kW / 290 deg to SEEu Italian  
1400-1455 on 9540 EMR 250 kW / 150 deg to N/ME Arabic  
1400-1455 on 17770 EMR 500 kW / 252 deg to NWAf Arabic  
1500-1525 on 11765 EMR 500 kW / 092 deg to WeAs Dari  
1500-1555 on 9765 EMR 250 kW / 105 deg to WeAs Persian  
1530-1555 on 11765 EMR 500 kW / 092 deg to WeAs Pashto  
1530-1625 on 9530 EMR 500 kW / 095 deg to WeAs Azeri  
1600-1625 on 11765 EMR 500 kW / 092 deg to WeAs Uzbek  
1600-2055 on 5960 EMR 500 kW / 150 deg to N/ME Turkish  
1600-2055 on 9460 EMR 500 kW / 310 deg to WeEu Turkish  
1630-1725 on 11930 EMR 500 kW / 270 deg to SoEu Spanish  
1630-1725 on 15520 EMR 500 kW / 095 deg to SoAs English  
1730-1825 on 7360 EMR 500 kW / 190 deg to CEAf French  
1730-1825 on 11835 EMR 500 kW / 310 deg to WeEu German  
1830-1925 on 9785 EMR 500 kW / 310 deg to WeEu English  
1930-2025 on 7360 EMR 500 kW / 252 deg to NWAf French  
1930-2025 on 9635 EMR 500 kW / 300 deg to WeEu French  
2030-2125 on 7205 EMR 500 kW / 105 deg to SEAs English  
2200-2255 on 9830 EMR 500 kW / 310 deg to NoAm English

**SRI LANKA** Summer A-15 schedule of Sri Lanka Broadcasting Corporation:

1115-1130 on 9720 TRM 125 kW / 345 deg to SoAs Hindi  
1130-1145 on 9720 TRM 125 kW / 345 deg to SoAs Malayalam  
1145-1200 on 9720 TRM 125 kW / 345 deg to SoAs Hindi  
1200-1215 on 9720 TRM 125 kW / 345 deg to SoAs Tamil

1630-1830 on 11750 TRM 125 kW / 345 deg to N/ME Sinhala Mon/Tue/Fri/Sat 1st week  
1630-1830 on 11750 TRM 125 kW / 345 deg to N/ME Sinhala Mon/Tue/Thu/Sat 2nd week  
1630-1830 on 11750 TRM 125 kW / 345 deg to N/ME Sinhala Mon/Tue/Wed/Sat 3rd week  
1630-1830 on 11750 TRM 125 kW / 345 deg to N/ME Sinhala Tue/Wed/Thu/Sat 4th week  
1630-1830 on 11750 TRM 125 kW / 345 deg to N/ME Sinhala Mon/Wed/Fri/Sat 5th week

0115-0130 on 11905 TRM 125 kW / 345 deg to SoAs Bengali Sat-Wed  
0115-0130 on 11905 TRM 125 kW / 345 deg to SoAs Hindi Thu/Fri  
0130-0230 on 11905 TRM 125 kW / 345 deg to SoAs Hindi Thu  
0130-0230 on 11905 TRM 125 kW / 345 deg to SoAs English Sun/Tue

**GERMANY/MADAGASCAR(non)** Frequency changes of AWR Eu/Af

1700-1730 NF 17720 MDC 250 kW / 310 deg to CEAF Swahili from May 22, ex 17570\*  
1730-1800 NF 17720 NAU 250 kW / 145 deg to EaAf Oromo from June 1, x 15155 ISS  
2000-2030 NF 9565 NAU 250 kW / 185 deg to WCAf French from May 25,x 17570 ISS

**ETHIOPIA** Shortwave schedule of Ethiopian and Eritrean radio stations: (editd for length - a number of freqs inactive or off have been removed).

0300-0400 on 5950 GDR 100 kW / non-dir to ETH Tig/Afar VOTigray Ravolution  
0300-0400 on 6110 ADD 100 kW / non-dir to ETH Amharic/Oromo Radio Fana  
0300-0400 on 7175 ASM 100 kW / non-dir to ETH Amharic VOBME 2 (7185)  
0300-0400 on 7200 ASM 100 kW / non-dir to ETH Tigrinya VOBME 1  
0300-0400 on 7237vGDR 100 kW / non-dir to ETH Amh/Oro/Tig Radio Ethiopia  
0400-0430 on 5950 GDR 100 kW / non-dir to ETH Tig/Afar VOTigray Ravolution  
0400-0430 on 6110 ADD 100 kW / non-dir to ETH Amharic/Oromo Radio Fana  
0400-0430 on 7175 ASM 100 kW / non-dir to ETH Amharic VOBME 2 (7185)  
0400-0430 on 7200 ASM 100 kW / non-dir to ETH Tigrinya VOBME 1  
0400-0430 on 7237vGDR 100 kW / non-dir to ETH Tig VOPeace and Democracy  
0430-0600 on 5950 GDR 100 kW / non-dir to ETH Tig/Afar VOTigray Ravolution  
0430-0600 on 6110 ADD 100 kW / non-dir to ETH Amharic/Oromo Radio Fana  
0430-0600 on 7175 ASM 100 kW / non-dir to ETH Amharic VOBME 2 (7185)  
0430-0600 on 7200 ASM 100 kW / non-dir to ETH Tigrinya VOBME 1  
0430-0600 on 7237vGDR 100 kW / non-dir to ETH Amh/Oro/Tig Radio Ethiopia  
0600-0900 on 5950 GDR 100 kW / non-dir to ETH Tig/Afar VOTigray Ravolution  
0600-0900 on 6110 ADD 100 kW / non-dir to ETH Amharic/Oromo Radio Fana  
0600-0900 on 7175 ASM 100 kW / non-dir to ETH Amharic VOBME 2 (7185)  
0600-0900 on 7200 ASM 100 kW / non-dir to ETH Tigrinya VOBME 1  
0600-0900 on 7237vGDR 100 kW / non-dir to ETH Amh/Oro/Tig Radio Ethiopia  
1500-1600 on 5950 GDR 100 kW / non-dir to ETH Tig/Afar VOTigray Ravolution  
1500-1600 on 6110 ADD 100 kW / non-dir to ETH Amharic/Oromo Radio Fana  
1500-1600 on 7175 ASM 100 kW / non-dir to ETH Amharic VOBME 2 (7185)  
1500-1600 on 7200 ASM 100 kW / non-dir to ETH Tigrinya VOBME 1  
1500-1600 on 7237vGDR 100 kW / non-dir to ETH Ara/Tig/Afar VODem.Alliance  
1600-1700 on 5950 GDR 100 kW / non-dir to ETH Tig/Afar VOTigray Ravolution  
1600-1700 on 7175 ASM 100 kW / non-dir to ETH Amharic VOBME 2 (7185)  
1600-1700 on 7200 ASM 100 kW / non-dir to ETH Tigrinya VOBME 1  
1600-1700 on 7210 ADD 100 kW / non-dir to ETH Amharic/Oromo Radio Fana  
1600-1700 on 7237vGDR 100 kW / non-dir to ETH English Radio Ethiopia  
1700-1800 on 5950 GDR 100 kW / non-dir to ETH Tig/Afar VOTigray Ravolution  
1700-1800 on 6110 ADD 100 kW / non-dir to ETH Amharic/Oromo Radio Fana

1700-1800 on 7175 ASM 100 kW / non-dir to ETH Amharic VOBME 2 (7185)  
 1700-1800 on 7200 ASM 100 kW / non-dir to ETH Tigrinya VOBME 1  
 1700-1800 on 7237vGDR 100 kW / non-dir to ETH French Radio Ethiopia  
 1800-1830 on 5950 GDR 100 kW / non-dir to ETH Tig/Afar VOTigray Ravolution  
 1800-1830 on 6110 ADD 100 kW / non-dir to ETH Amharic/Oromo Radio Fana  
 1800-1830 on 7175 ASM 100 kW / non-dir to ETH Amharic VOBME 2 (7185)  
 1800-1830 on 7200 ASM 100 kW / non-dir to ETH Tigrinya VOBME 1  
 1800-1830 on 7237vGDR 100 kW / non-dir to ETH Tig VOPeace and Democracy  
 1830-1900 on 5950 GDR 100 kW / non-dir to ETH Tig/Afar VOTigray Ravolution  
 1830-1900 on 6110 ADD 100 kW / non-dir to ETH Amharic/Oromo Radio Fana  
 1830-1900 on 7237vGDR 100 kW / non-dir to ETH Amh/Oro/Tig Radio Ethiopia  
 1900-2000 on 5950 GDR 100 kW / non-dir to ETH Tig/Afar VOTigray Ravolution  
 1900-2000 on 6110 ADD 100 kW / non-dir to ETH Amharic/Oromo Radio Fana  
 1900-2000 on 7237vGDR 100 kW / non-dir to ETH Amh/Oro/Tig Radio Ethiopia  
 2000-2100 on 6110 ADD 100 kW / non-dir to ETH Amharic/Oromo Radio Fana  
 2000-2100 on 7237vGDR 100 kW / non-dir to ETH Amh/Oro/Tig Radio Ethiopia  
 7237v=7237.5  
 9567v=9567.3, not active at present

**INDIA:** New AIR service:

From Monday 25th May. AIR External Services in Urdu beamed to Pakistan will also be available from 1130-1430 UTC on 7520 kHz.

**USA** Updated summer A-15 schedule of WBCQ The Planet:

2000-2100 on 7490vBCQ 050 kW / 245 deg to ENAm English Tue  
 2100-2200 on 7490vBCQ 050 kW / 245 deg to ENAm English Mon-Fri  
 2200-2300 on 7490vBCQ 050 kW / 245 deg to ENAm English Sun  
 2300-2400 on 7490vBCQ 050 kW / 245 deg to ENAm English Mon-Fri Brother Stair  
 2300-2400 on 7490vBCQ 050 kW / 245 deg to ENAm English Sat/Sun  
 0000-0100 on 7490vBCQ 050 kW / 245 deg to ENAm English Daily  
 0000-0500 on 5110vBCQ 050 kW / 245 deg to ENAm English CUSB Sun/Mon  
 0100-0200 on 5110vBCQ 050 kW / 245 deg to ENAm English CUSB Tue-Fri Brother Stair  
 0100-0200 on 5110vBCQ 050 kW / 245 deg to ENAm English CUSB Sat  
 0100-0200 on 7490vBCQ 050 kW / 245 deg to ENAm English Mon Brother Stair  
 0200-0400 on 7490vBCQ 050 kW / 245 deg to ENAm English Daily Brother Stair  
 0200-0500 on 5110vBCQ 050 kW / 245 deg to ENAm English CUSB Tue-Sat Brother Stair  
 0400-0500 on 7490vBCQ 050 kW / 245 deg to ENAm English Mon-Sat  
 0400-0500 on 7490vBCQ 050 kW / 245 deg to ENAm English Sun Brother Stair





## SHORTWAVE, RNZI & STEVE WHITE TO THE RESCUE

Analogue shortwave broadcasting remains an important means of communication in the South Pacific.

In March of this year Cyclone Pam flattened much of Vanuatu and also caused significant damage in Kiribati and Tuvalu. As the cyclone approached, Radio NZ International began broadcasting forecasts and warnings throughout their broadcasting day, and updates were given by RNZ National presenters during the overnight relay.

Initially these warnings supplemented the information carried by local Pacific radio stations, but in Vanuatu at the height of the cyclone the national broadcaster VTBC went off air completely on its AM and shortwave frequencies. RNZI and Radio Australia were then the only radio services reaching the storm-ravaged islands.

Once the cyclone had cleared the capital Port Vila, RNZI sent journalist Koroi Hawkins up to Vanuatu on an air force relief flight from Whenuapai. Fellow journalist Kim Baker-Wilson flew up the following day, and the 2 Kiwi reporters provided comprehensive media coverage of the cyclone and its aftermath. Speaking of the coverage, RNZI Manager Linden Clark said, “as a Pacific radio service within a Pacific country, this was not just another story – it was one that demanded a personal response.”

In one of Koroi’s media reports, he reported meeting Bonkil village chief Ben. “Upon introducing myself as a RNZI reporter, the chief broke into a huge smile and started shaking my hand enthusiastically and quite vigorously. Feeling a little worried I asked him why he was so happy to see me. In an emotional voice he went on to tell me that when the cyclone hit Efafe all Vanuatu radio stations went down and the only station he could listen to for cyclone updates was Radio NZ International. He said on the morning before Cyclone Pam hit Erromango he listened to the cyclone information on RNZI, and was able to warn the villagers of nearby Tamsal, Bunibaku and Bunonpuat, as well as his own Bonkil village, of the impending landfall of Pam. He says as a result of the warning people were able to make it to shelter early and not a single injury or death was recorded in these villages despite widespread destruction. Chief Ben said it was good to meet someone from the radio station that helped him help others.”



Tanna radio station – Tok Tok Haos = Radio House)

Tanna Radio Station after the storm. Tok Tok House = Radio Station While the Radio

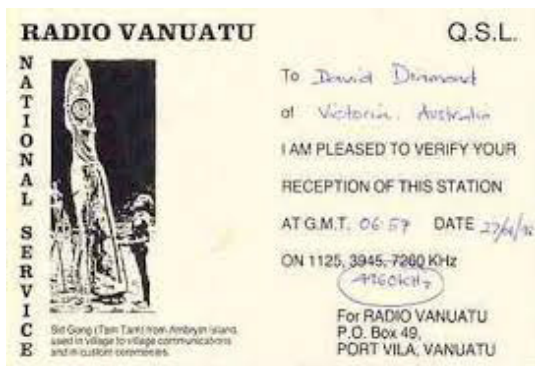
Vanuatu shortwave operation remained out of action, RNZI served as a lifeline means of communication there. RNZIs shortwave signal covers all of Vanuatu and has listeners across the many islands. At the request of Vanuatu's National Disaster management Office, RNZI and RA broadcast community announcements to Vanuatu listeners, including messages about water and food, aid supplies, police announcements and rebuilding.

RNZI's response to Cyclone Pam also included technical expertise – Transmission Engineer Steve White travelled to Vanuatu to restore transmission services around Port Vila. Together with Australia's ABC, RNZI assisted getting equipment and services up to Vanuatu so that broadcasting infrastructure could be restored. Steve White's work in Vanuatu is paid for by the ABC-funded Pacific Media Assistance Scheme (PACMAS).



### Radio New Zealand International's Steve White

Story and images extracted from Radio New Zealand's 'Soundbytes' house magazine, 20 March and 2 April 2015 editions, used by permission.



# The problem with the US AM Broadcast Band

by Rob de Santos, K8RKD

*Ray Crawford forwarded this article to me. It comes from the April 2015 edition of **CQ magazine** and offers some food for thought. We have a similar problem in New Zealand. I suspect because of the size of our country, the solution would be easier. I have edited the article slightly.*

The future of the AM band in the United States remains unclear. What is clear is what is happening in the market. There are indications that listeners are going elsewhere. If that is the case, then what's next? Recently, I attended several major radio industry meetings and what follows is some of what I learned. As I have done over the past six years in other CQ publications, I will attempt to give my assessment of where the technology is taking us.

## **Amplitude Unmodulation**

As covered in CQ plus last year the FCC began a rule-making process to make changes to the AM Band in 2013. Despite hopes that the FCC would act quickly, this has not taken place. The FCC has, however, finally started to move forward on the proposal. The comment period was closed on January 21, 2015 and the reply period was set to end on March 20th. Another year has gone by and the future of the AM band remains a huge topic of industry discussion. It is harder and harder for station owners to remain profitable and the industry is moving slowly towards its own conclusions about the future of the band.

Let's consider a few recent statistics to get a better picture. **The AM band now only gets 7 -10% of all listening hours.** The average amount of time Americans listen to AM radio per day is now less than 10 minutes. Most likely, for every person who listens for two hours each day, there are 10 to 20 who never listen. Ratings for AM station in most markets are now in the low tenths of a rating point (often 0.1 to 0.3) and save for a few big AMs large markets or those with no FM competition in small ones, it isn't going to get better. Even talk radio, the staple of AM for the past few decades, is increasingly moving to FM.

Another indicator comes from discussions I've had, mostly off the record, with station managers and owners of large station groups. Most have indicated they are not planning to put any capital into their AM stations in the future and will spend only what it takes to keep them on the air. Many doubt the stations have a future in the marketplace as they are, and are holding on to them because they believe the spectrum still has value. They are, to put it another way, in a holding pattern.

The industry sentiment on the FCC changes under consideration is that they will make marginal improvements. The proposal station owners most want is more FM translators and, from all indications, that is the one proposal most likely to get through the FCC soon. The process of licensing low power FM's (LPMF) is winding down and once completed, will make it possible for the agency to determine what frequencies remain open for translators. Regardless of whether the current proposals are adopted, they aren't likely to arrest the decline in the band or create improved profits for most station owners.

There does not appear to be a consensus (yet) on what needs to be done but more and more owners are coming to the conclusion that minor changes to the band, like those now proposed and those made over the past couple of decades, won't be sufficient to address the issues facing the band. They are increasingly feeling they are on the outside looking in

with efforts such as Nextradio® (which seeks to get the FM chips in smartphones activated). The world is going online and digital and they have no other option but to find a way to get on the train before it is too late.



### What's on the table?

Several options seem to be getting traction within the industry. Each of these would constitute massive change for the industry and for listeners. We will examine them one at a time.

**Move the entire band** to the old analogue TV channels 5 & 6. This has the potential upside that it would place the stations in the spectrum adjacent to the existing FM band, and allows the FCC to make other long desired changes (such as expanding the FM allocation for non-profit and educational stations). Noise and interference would be significantly reduced. It would be a relatively easy change in terms of radio production. Many recently produced radios would only require a firmware upgrade as these frequencies are widely used in other countries for FM today and only blocked by the programming in the radio. Older devices could easily get an adaptor. Obviously, the downside is that it would render the existing band obsolete along with devices that receive it and can't be helped, and would take years to accomplish.

Another consideration in this effort would be that the timetable would be very long and there would need to be extensive consultation with manufacturers, the industry and the public on how to achieve this and who would get what frequency. My guess is: The higher frequencies - those nearest the existing bottom end of 88.1MHz - would be the most valuable. Finally there is the debate that if the industry is ultimately going all digital, then this extension of the FM band should be all-digital from the beginning. That brings us to the next option.

**Convert the existing band to all-digital.** As proponents of 'HD radio' will tell you, the current hybrid system was never meant to be permanent but rather to be transitional. Unfortunately, the hybrid effort on AM has been largely a failure as few AM stations use the 'HD radio' system of Ibiquity and only do so during daylight hours. To evaluate this option the lab arm of the National Association of Broadcasters (NAB) has conducted six tests at various stations around the US on how 'full digital' would work. In each case, selected stations in a particular market would turn off their analog signal and broadcast for brief periods of time in HD only. While this was going on, data was collected in and around the listening area (i.e. 'station contour') to determine the impact on listeners, the quality of signal in both stationary and moving vehicles, potential nighttime interference, and other factors. The final test was conducted in the Seattle area in early November. The final reports should be published soon. Early indications are that the performance of HD Radio improved significantly when the

analog signal was removed and that with appropriate power and antenna adjustments it was possible to match or exceed the current station analog and hybrid contours. This is far better than current hybrid HD allows. Even with adjustments, only one-third the power was needed. Nighttime interference was not as bad as feared. Of course, if every station was doing this, the situation - depending on skywave propagation - might be quite different.

Another tentative conclusion, though, is that all-digital would probably be a significant problem for many 'graveyard' AMs (stations with low power authorizations at night). Many AMs could never convert due to cost, poor antennas, old transmitters, and nighttime interference. These owners and their communities might require another solution, such as an FM frequency. A conversion to all-digital would likely have a sunset date for 100% conversion, probably a decade or more in the future. Like the change to all digital TV, this would be a massive change for listeners and face many of the same concerns that the TV conversion faced. To complicate this a bit, there is a small movement among some owners to use DRM (Digital Radio Mondiale) as the digital mode is in an all-digital AM band as they feel it is cheaper and more appropriate for amplitude modulation and the frequency range. Yes, there are a few paying attention to how DRM on shortwave has fared and what is happening in India. This approach has a partial endorsement of sorts from the largest station owner iHeartMedia™ (formerly Clear Channel). In comments to the FCC on the current AM revitalization proposals, iHeartMedia has endorsed the FCC allowing AM stations to choose to go to all digital upon notification to the FCC. It also suggested that pairing this with FM translators was a good transitional solution for the band.

Based on comments to the existing FCC proposals, many AM station owners (and I suspect many hams) favor imposing mandatory quality standards on AM receivers, reintroduction of AM stereo with specific format and quality requirements, and station noise reduction. Manufacturers have not weighed in on this, but I am sure they would make cost arguments in opposition. Of course, if you impose hardware changes, why not simply go all-digital anyway, since most listeners would need new receivers to appreciate the changes?

The existing proposals have weaknesses in the restrictions on the FM translators for AM stations (ownership transfer, one per station, contour matching and coverage). The widely inconsistent approach to translators for contour fill-in vs. non fill-in, commercial vs non-commercial, and AM vs. FM non-station owners, Part 73 regulation vs. Part 74, all need to be sorted out.

### **How It Looks From Washington**

Any observer will tell you that with five commissioners, you get five different sets of priorities and agendas and five viewpoints. While they sometimes line up along party lines, that is not always the case. Saving the AM band has not been a priority to most of the Commission, or to the Congress or White House, in the past few years. It has however, been a priority to one commissioner: Ajil Pai. At the recent 'Radio Show' in Indianapolis, Indiana, he made some comments on the AM radio situation. In addition representatives from various FCC bureaus participated in several round table discussions at the convention.

The Media Bureau at the FCC participates in the technical evaluation of rule makings and of changes requested by the industry. The bureau has made it clear it wants to go 'by the book' as much as possible. It is giving rigorous review to waiver requests and exceptions to procedural rules. For the AM rule making, this means it will go along at the speed necessary, not faster or slower, with careful analysis given to each change proposed. Some proposals,

such as eliminating full-service contour protection, have been opposed by large broadcasters. The good news for AM station owners is that having gone through the LPFM process they expect to be able to handle any FM translator applications quickly. The agency seems to be leaning towards a four-year restriction on the sale of any translator after approval.

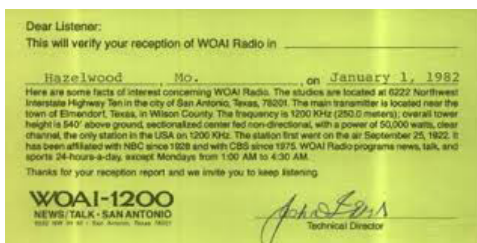
As for Mr Pai, he sees 'AM revitalization' as a cornerstone of his time on the FCC and the issue as non-partisan. He's optimistic about the FM translator proposal getting through sooner rather than later. Though sooner in FCC speak could still be a year or more. Speculation is that once the current efforts to deal with broadband Internet are complete, the Media Bureau will again take up the AM issue. He acknowledges the current rule making effort is a short-term solution and that longer-term solutions include options such as those mentioned above. He warned the industry that nighttime skywave protection is likely to end eventually and digital solutions are inevitable. In further comments in February 2015, Mr Pai was quoted as saying:

'For example, Canada's unsuccessful attempt to transition AM and FM broadcasters to Digital Audio Broadcasting in the L-Band serves as a sober reminder that markets will not necessarily evolve as regulators envision.'

Issues like the AM crisis don't often have 'champions' at the level of an FCC Commissioners so that bodes well for something taking place eventually.

### The Future For Hams and AM DXers

Where does all this leave you and me, the listeners and radio aficionados? It seems that while it may take another decade or more, the days of analog broadcasting in the US might be numbered. Just as we have seen in other countries (Switzerland, India, UK and Canada, to varying degrees) the move to all-digital is gaining momentum. The days of DXing hard to get analog signals will fade into history at some point. It is, after all, less than a century old. Long distance analog AM reception in the US seems particularly doomed. We can shed a tear or two for the romantic days of the hobby but we should be prepared if it happens.



# BROADCAST NEWS

Editor Bryan Clark email  
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## BROADCAST NEWS, NOTES & TRAIL

**AUSTRALIA** 2KA Luddenham/Badgerys Creek NSW is understood to be testing on 1386, which will be a move from 1476. (Robert Copeman via ICDX Yahoo Group)

**BRAZIL** In December 2013, the Brazilian government decided to phase out low-power AM stations and to enable medium and high power AM stations to migrate to FM. They elected to go this route over digital, and 2 years later some broadcasters are now questioning the decision, according to the DRM Consortium. In 2014, about 80 percent of Brazilian AM broadcasters enrolled in the phase-out program, which will require expanding the FM spectrum (79 to 88 MHz) and utilize frequencies currently occupied by analogue TV. Brazil will be the first country to test this method. After 17 months, 8 of the registered stations, located in the northeastern state of Rio Grande do Norte, have met the technical requirements for migration. However, the government has not yet set a price for the new FM licenses. Brazilian public broadcaster EBC has 5 AM stations and has indicated that it does not want to migrate them and is concerned about the progress, the DRM Consortium reports on its website. (Radio MagOnline 29 May via Schroyer IRCA via Theo Donnelly)

## CANADA

- 580 Application for new station in Edmonton AB, 10kw night & day, U4? (Dan Sys NRC)
- 700 CJLI Calgary AB is new, noted testing on 9 May. (Chris Dorn via Mike Sanburn, IRCA DX Monitor)
- 1650 New station application for Edmonton AB with U4(?) 10kw/10kw. (Dan Sys NRC)

## HAWAII (Updates from NRC DX News bulletin)

- 1180 KORL Honolulu license cancelled for being silent more than a year; has been silent since Oct. 7, 2013.
- 1450 KMCA Hilo construction permit for U3 5kw/5kw has expired and been deleted.

## USA (items from NRC's DX News)

- 880 KHAC Tse Bonito NM now uses slogan "The Voice of Hope."
- 950 KSEW Seward AK has been silent with technically deleted call letters for some time; FCC has now dismissed station renewal application so it looks like this one is gone for good.
- 960 KOVO Provo UT format is now ESPN Sports.
- 1170 KLOK San Jose CA has applied for U4 50kw day, 9kw nights, triplexing with KZSF-1370 and KSJX-1500.
- 1210 KQEQ Fowler CA format is now Spanish religion.
- 1280 KZNS Salt Lake City UT now uses the slogan "The Zone".
- 1590 KLFE Seattle WA has been granted STA to operate U1 5kw day, 1.25kw nights as necessary to implement pending CP for U4 20kw/5kw.

- 1590 WGYA Guayama PR slogan is now "La Poderosa".  
 1700 KBGG Des Moines IA with ident as "1700 The Champ", Des Moines and Iowa ads, and back to CBS Sports Radio. (Glenn Hauser)

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

- 890 KMJE Olivehurst CA now using slogan "Vive 92.1".  
 1180 KCKQ Sparks NV is new with talk and oldies format.  
 1230 KLAV Las Vegas NV reported to be changing from talk format but they were still identifying as "The Talk of Las Vegas" when heard on 17 April. (Martin Folz CA)  
 1260 WCCR Cleveland OH was silent, now EWTN network, slogan: "1260 The Rock".  
 1270 WXYT Detroit MI adds slogan "CBS Sports Radio 1270".  
 1490 KJIN Houma LA format changed to regional Mexican, slogan "La Caliente".  
 1510 KSPA Ontario CA hrd w/SS religion relaying Guadeloupe Radio Los Angeles. (Martin Folz CA)

**D-KAZ ANTENNA REPORT** US DXer Mark Durenberger has a completely-revised report on the D-Kaz antenna at [www.durenberger.com/documents/DKAZREPORT051214.pdf](http://www.durenberger.com/documents/DKAZREPORT051214.pdf)  
 This revision includes results of a recent DXpedition to the Utah desert where two D-Kaz antennas were arrayed broadside. (via National Radio Club's "DX News")

**KINGS OF THE KILOHERTZ**

**PHILIP GARDEN** in Mosgiel notes a couple of Aussies he is hearing at present – on 666 ABC Canberra and on 1422 3XY Melbourne.

**TONY KING** Greytown is working on improving his antennas – rearranging them and increasing the vertical heights. He has recently acquired a couple of Sony IC recorders and is recording his DX catches directly in digital format after some 40 years using cassettes! Tony says he listen most nights, and notes some exceptional nights when the Yanks are still there at 1100 UTC. At 1330 he found XERF like a local with KUAU totally gone, which took him back to his Leithfield (Christchurch) listening days. Now looking for a wet day so that he can transcribe catches on cassettes back to February. [Lucky you Tony, I have boxes of cassettes dating back to the 1980s waiting to be digitised! BC]

**BRYAN CLARK** Mangawhai was pleased to hear his first MW Venezuelan heard since he QSLed some back in the 1970s from Wellington.

**TONY & BRYAN'S BROADCAST TRAIL** (all times & dates are UTC/GMT)

- |      |      |   |
|------|------|---|
| 650  | 0603 | HAWAII KPRP Honolulu w/Pilipino pops, unusually the loudest foreign DX signal at this time on 13/5. BCM   |
| 850  | 0834 | USA KOA Denver CO over unid music station w/ident as "News, traffic & weather reports every 10 minutes, Newsradio 8-50 KOA" then Coast to Coast AM talkshow. ABC News at 0900 30/5. BCM |
| 940a | 0712 | MEXICO XEQ Mexico DF w/SS talk & pops during KFIG fade 13/5. Frequency 939.88 regularly causes het whine against 940. BCM   |
| 970  | 0655 | COLOMBIA HJCI Bogota w/ SS talk, refs to "RCN", chimes on the hour and ident as "Radio Red, Bogota" 30/5. BCM   |
| 1050 | 0519 | UNID LATIN with SS talkback format mixing w/XEG on ranchera and KTCT on sports talk 29/5. Followed past 0600 when ident sounding like "Radio San Marcos" given. BCM                     |
| 1120 | 1000 | USA KPNW Eugene OR w/ID 'Newsradio KPNW' and news 3/6. TK   |
| 1130 | 0945 | USA KSDO San Diego CA w/religious talk and religious pop 3/6. TK  |



1131a 0609 PERU Radio Bacan Sat, Lima fair w/folksongs 14/5. Frequent spoken and sung idents from 0703. Freq 1130.9 causes bad het on 1130 stations. BCM

1140 0915 USA KHTK Sacramento CA on sports 4/6. TK

1150 0801 MEXICO XEAD Radio Metropoli, Guadalajara w/SS talk format noted in the mix w/KTLK with 3 time pips at this time, also at 0901 & 1001 on 17/5. BCM

1190 0913 MEXICO XEWK Guadalajara w/"Musica W" overnight, over KEX 17/5. BCM

1220 0910 MEXICO XEB Mexico DF w/overnight back to back music prgm 29/5. TK

1290 0905 USA KKDD San Bernadino CA w/SS vocals, confirmed // to web feed 3/6. TK

1420 0827 HAWAII KKEA Honolulu w/Hawaii-based events, ESPN ID 3/6. TK

1420 0549 UNID LATIN w/non-stop Latin SS and Western pops, monitored until Hawaiian finally dominated frequency at 0715 20/5. BCM

1430 0621 MEXICO? XEOX Ciudad Obregon most likely the Latin music format w/SS ident sounding like "Exa 14-30 AM" at 0646, poor but alone 20/5. BCM

1440 0609 KIRIBATI Radio Kiribati, Tarawa with details of aircraft movements, then "...that's all the news from Radio Kiribati", fair through Moana AM, 14/5. BCM

1460 1006 HAWAII KHRA Honolulu w/Radio Korea ID in Korean 3/6. TK

1500 0845 HAWAII KHKA Honolulu w/NBC Sports Radio network 29/5. TK

1500 0707 MEXICO XEDF Mexico DF w/SS anncts & music over US Sports 13/5. Ident as "XEDF-AM" at 0708. BCM

1511a 0910 UNID LATIN on 1510.07 causing heterodyne to 1510 Americans 29/5. BCM

1520 0908 USA KOKC Oklahoma City OK hrd for first time since towers destroyed on 26 March, poor w/talk format, id 0924 as "Newstalk 15-20 KOKC" 30/5. BCM

1540 0620 USA KMPC Los Angeles on top Korean soft Christian mx 29/5. TK

1560 0713 VENEZUELA YVLZ Merida w/Latin music format over usual Mexican 14/5. At 0730 ident as "Radio Nacional de Venezuela presentar..." BCM

1570 0900 HAWAII KUAU Haiku w/religious talk. Ads for church services 30/5 mixed XERF and another. TK [The other most likely Bethel Radio Peru BC]

1570 1330 MEXICO XERF Villa Acuna at powerhouse level 2/6. TK

1580 0558 UNID LATIN w/religious format in SS over KMIK Radio Disney 29/5. BCM

1630 0627 USA KRND Cheyenne WY fair w/ "...Mexicana 16-30 AM" ident & Mexican vocals 7/5. BCM

**TK** = Tony King in Greytown DXing with a Tecsun PL-380 on 1kHz setting and connected to his EWE antenna via a coupler.

**BCM** = Bryan Clark at Mangawhai with AOR7030+ and EWE antennas aimed at North, Central and South America.

# TV/FM NEWS & DX

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## **More FM Horowhenua has moved**

More FM in Horowhenua on 104.2 is playing the following message on a loop:

“More FM Horowhenua has moved. You can now find today’s best music mix with Dave Key for breakfast on our new frequency 90.3. Change now to 90.3”

So it appears that More FM Horowhenua has closed down and they are referring listeners to tune in to their Kapiti frequency on 90.3.

(Adam Claydon)

## **Magic FM new frequencies**

According to their website MediaWorks station Magic is now also broadcasting on the following FM frequencies:

Wairarapa 105.5

Queenstown 104.0

([www.magic.co.nz](http://www.magic.co.nz))

## **NZME launch new Christchurch radio station – Mix on 91.7 FM**

NZME announced today a new radio station Mix is coming to Christchurch on Monday, June 15th on localised frequency 91.7 FM.

The station will play a continuous blend of the very best music from the 80’s and 90’s with a mixture of tempo and genre. On Mix 91.7 you’ll hear superstars like Madonna, Prince, Michael Jackson, Mariah Carey, INXS, Robbie Williams, George Michael and Ricky Martin alongside gems from the 80’s and 90’s that you won’t have heard on the radio for a very long time.

Mix Content Director, Raylene Ramsay says the team is thrilled to launch Mix in Christchurch and offer people an exciting music alternative.

“We identified a market opportunity in Christchurch to create a station that meets the musical tastes of 30-54 year olds. Mix 91.7 will play Madonna’s Like a Virgin to Coolio’s Gangsta’s Paradise. We’re finding all the best songs from the 80’s and 90’s and then pressing shuffle!” Mix can be heard on 91.7 FM from Monday, June 15, as well as being streamed live on iHeart Radio.

(Scoop, 8 June 2015, [www.scoop.co.nz/stories/BU1506/S00252/nzme-launch-new-christchurch-radio-station-mix-on-917-fm.htm](http://www.scoop.co.nz/stories/BU1506/S00252/nzme-launch-new-christchurch-radio-station-mix-on-917-fm.htm))

## **Voice of Children’s Radio**

A West Melton broadcasting student is now one of the voices of New Zealand’s first ever children’s radio station.

Otis Sole is one of Chalk radio station’s programme hosts and was involved in the setting up of the station.

The 19-year-old is a second-year student at the School of Broadcasting which is part of the CPIT tertiary institute in Christchurch.

“As part of our course we had to come up with a concept for a radio station,” Otis said. “We were divided into three groups, with each coming up with a concept which would be scrutinised by industry experts and one selected for all the students to be involved in with.” Otis said after looking at the radio market in Christchurch they spotted a gap in the market which was a radio station for children aged between 8 and 12 years old. “Our concept was the winning one, so the whole class then became involved in making it a reality including all the on-air needs as well as generating ad sales to make the station profitable.”

The students’ hard work became reality this month when Chalk radio went to air of the 96.1FM frequency, with Otis behind the microphone for the 6pm to 9pm shift. “So far the response has been great especially from parents. Our music playlist is based on what the children tell us but we do not play explicit or highly suggestive music which is played on the more risqué top-40 stations,” Otis said.

The former Lincoln High School student became interested in radio when he was living in Rolleston with his parents a couple of years ago. “A school mate introduced me to the youth radio station which was based out of the community centre in Rolleston and I loved it,” he said.

Otis plans to make a career in radio once he has finished the broadcasting course. “I would love to make it to one of the big network stations preferably in this country but it could be in Australia or further afield, anyone who will take me really.”

(The Record, 20 May 2015, [therecordonline.co.nz/voice-of-childrens-radio/](http://therecordonline.co.nz/voice-of-childrens-radio/))

### **Sky Movies Channel Numbers Reordered**

From Monday June 1 we will be making some changes to the SKY Movies Channels numbering.

All movie tastes are well looked after with a range of channels to choose from year-round, as well as themed pop-up channels throughout the year including SKY Movies Family which screens during NZ school holidays.

SKY Movies Premiere, SKY Movies Extra and Rialto Channel will remain at their current button numbers, however the remainder of the channels will be reordered from June 1 as follows:

Channel 030 SKY Movies Premiere  
Channel 031 SKY Movies Extra  
Channel 032 SKY Movies Action  
Channel 033 SKY Movies Greats  
Channel 034 SKY Movies Classics  
Channel 035 SKY Movies POP-UPS  
Channel 036 Turner Classic Movies (TCM)  
Channel 037 SKY Movies Disney\*  
Channel 038 SKY Movies Family POP-UP  
Channel 039 Rialto Channel

The change will take place at 10am on Monday June 1 and will not affect any future recordings that customers have booked on their MY SKY planners.

\*SKY Movies Disney launches 1 July 2015.

(Sky TV, 14 May 2015, [www.skytv.co.nz/Default.aspx?tabid=202&art\\_id=52015](http://www.skytv.co.nz/Default.aspx?tabid=202&art_id=52015))

# UTILITIES

Editor

Arthur DeMaine

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Well a little light on contributions this month, The weather must be keeping people from their radios or if you are living in Dunedin it will be the water level rising keeping members from their radio, In my case it was shifting house. Radios are still packed away and no antennas erected, anyhow a couple of members managed some Utility Dxing.

## FREQ UTC Details of transmissions

8867	2049	JET STAR 212 BRISBANE posn reports FI 340 deviation request sig / met severe turbulence coms 132 GI 1/6 RP
8867	0312	FIJI 922 / NANDI posn reports SC,? HQG 2/6 RP
8867	2222	AIR NAURU / BRISBANE SC, radio check ok 4/6 RP
8867	2122	R N Z A F KIWI 340 AKL prob with rec posn from distance FL 310 @ top of decent 2145 for patrol area SC Tones confirmed 4/6 RP
8867	0359	AUSSIE 575 posn report frequency 8867 / 13261 SC DMAD 6/4 RP
8867	0213	CHATHAMS 521 / AKL posn reports re start decent to Chatham's ISL @ 0239 req FL 240 4/6 RP
10051	0817	USA NY Radio Volmet Fair in English 9/5 JW-LB
13270	0828	Gander Radio aviation weather fair to good 7/5 ABD

## CONTRIBUTORS

**RP** Roger Pryde from a shaky, snowy wet, Dunedin. Receiver National DR 49 AC/DC Aerials 30 mtr LW, 15 mtr WW/2, field cable.

**JW-LB** Jonathan Wood- Long Beach. Receiver Lowe HF-150 and 46m dipole,

**ABD** Arthur De Maine Kakanui – Last log from Kakanui Icom R-70 with 50m long wire.

I am now at our new villa in Ashburton, e-mail address remains the same. Internet is ten times faster that at Kakanui. If people got a funning or spam like e-mail from me recently. I apologise it got through my guard.

*Arthur*



# BRANCH NEWS

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

## WELLINGTON GROUP

Next Beach Babble - **24th June** at Beach Babylon Café, Oriental Parade, Wellington,  
12.45pm

Good fun, good music, good food, great coffee, great gossip and a chance to mingle and babble with the rabble. All Wellington area members and their guests very welcome, and a special welcome roasting, I mean, toasting to visiting radio friends sense of humour and a vague interest in anything radio related helps warm fire in winter, outside tables for the warm days, organic, gluten free options, craft beers, cute waitresses..all the comforts of home.

Mark your diaries now and see you there! Contact David at [info@radioheritage.net](mailto:info@radioheritage.net)

Meetings over the next three months:

29th July

26th August

30th September

## DUNEDIN GROUP

The Dunedin group is currently drying out from all the rain they have had.

At their last meeting on 2nd May 2015, Phil Garden talked about his BOG antenna and showed us how he sets it up, this has encouraged a few to make one up.

The next meeting is:

11th July

Ian Wells' place,

16 Fenty Plac

2-4pm.

Members are asked to come up with some topic ideas to talk about at future meetings.

Contacts: David Miller 476 3224

or Roger Pryde 473-7805

for further information

Visitors welcome.

# ADCOM NEWS

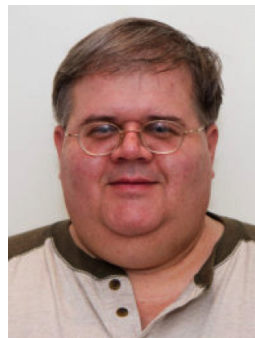
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**WELCOME TO NEW MEMBER WILLI WESTRUPP** from Germany who was another to respond to April's special subscription offer:

**JEFF WHITE TO VISIT AUCKLAND** Trained as a journalist, Jeff is best known in shortwave circles for his Florida-based station WRMI Radio Miami International which began broadcasting in 1989, and which is now the operator of the former WYFR Family Radio transmitting station at Okeechobee. **WYFR/WRMI** is the largest privately-owned shortwave station in the Western Hemisphere, with one 50kw and 12 100kw transmitters, and 23 antennas beamed to all of the Americas, Europe and Africa. Jeff will transit Auckland following his participation in this year's High Frequency Co-ordination Conference (HFCC) to be held in Brisbane on 24-26 August. The HFCC is the main forum for coordination of shortwave frequency channels to resolve or minimise mutual interference situations. Jeff is a member of the HFCC Steering Board and is also Secretary-Treasurer of the National Association of Shortwave Broadcasters (NASB) which is made up of US FCC-licenced private shortwave broadcasters. He will be in Auckland briefly on **1 and 2 September** and is keen to meet with shortwave enthusiasts. If you'd be interested in meeting Jeff, please contact League Vice-President **DAVID NORRIE** by email at [vicepresident@radiodx.com](mailto:vicepresident@radiodx.com) More details of the get-together date, time and venue will be published when finalised.








**PROPOSED CHANGES TO LEAGUE CONSTITUTION** At last year's DX League AGM there was discussion about the increasing difficulty in bringing an ageing membership together for such meetings and it was agreed that the Administration Committee should investigate changes to club rules that would allow for "virtual meetings" to be introduced at a future date, that is, a meeting whereby members participate by conference call or Skype. On the following page are proposed wording changes to allow this to be formalised, together with proposed changes to allow overseas-based members to have voting rights. Member feedback on these proposed changes is requested – please send your comments to the League at PO Box 178, Mangawhai 0540 or email to [president@radiodx.com](mailto:president@radiodx.com) no later than 17 July 2015. A final version to be voted on at the League's October 2015 AGM will then be published.

**RECALLING OLD DXERS** Dave Brown (ZL3FJ) is seeking more information about two DXers active prior to World War 2. **J. V. (VINCE) McMINN** was a Wellington based SWL of some repute in the 1930's, and was president of the 'NZ Shortwave Club' in 1937. Following war service in the NZ Army, Dave was able to trace Vince to Christchurch and he appeared in the NZART Callbook as a non-transmitting member up until the 1980's.

**JIM D WATSON** lived at 6 Annandale Avenue, Palmerston North before the war, and was also an avid DX listener. He wrote a regular newspaper column on DXing in the "Manawatu Times" during the 1930s, under the pen name of "Microphone". Dave has paperwork and early QSL cards from the collections of both of these DXers and notes that Kapiti Coast Museum has some early QSL cards/photos from Vince McMinn (see [http://www.kapitimuseum.org.nz/virtual\\_exhibit/vex4/toc.htm](http://www.kapitimuseum.org.nz/virtual_exhibit/vex4/toc.htm)).

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**Radios :**

<a href="#">Start Exhibit</a>	<a href="#">Table of Contents</a>	<a href="#">Exhibit Index Page</a>	<a href="#">List of Exhibits</a>
	<b>Album, Photograph</b> Album of photographs from around the world, of different ham radio operators and their equipment. Referenced in several places to NZ6W which in the 1930s was the call sign for J Vincent McMinn, a shortwave listener from Wellington, New Zealand... <a href="#">View Full Record</a>	2014.001.007	
	<b>Generator</b> Marconi Instruments Ltd MIC No 27266, WO No T7247, Part No VVY0266, A/HJ No 901. An Australian WW2 TF144 signal generator... <a href="#">View Full Record</a>	2012.020.026	<b>Transceiver</b>
	<b>Radio, Portable</b> Telefunken transistor radio. Believed to be the first transistor radio to reach New Zealand... <a href="#">View Full Record</a>	2011.020.081	<b>Transistor Radio</b>
	<b>Transmitter</b> Wireless senders set type 53 transmitter. Signal generator. 400w transmitter. Military equipment... <a href="#">View Full Record</a>	2012.020.029	<b>Transmitter</b>
	<b>Radio</b> Brown bakelite Philco radio model 401. In working order... <a href="#">View Full Record</a>	2013.237.001	<b>Philco Radio</b>

If you can assist Dave in his research into these two prewar DX enthusiasts, please contact him directly at email [davebr@ihug.co.nz](mailto:davebr@ihug.co.nz)

# PROPOSED AMENDMENTS TO NZ RADIO DX LEAGUE CONSTITUTION

June 2015

## Current Constitution – May 2010

### 6. GENERAL MEETINGS

- 6.1 General Meetings shall determine the League's policy.
- 6.2 The Annual General Meeting shall be held annually. A Special General Meeting may be held at any other time, called by the Administration Committee, or by requests received by the National Secretary signed by at least 15 financial members.
- 6.3 General Meetings will be held at a time and place as the Administration Committee may decide.
- 6.4 Notice of a General Meeting will be given to members in the monthly magazine with a minimum of twelve weeks notice.
- 6.5 Remits are to be in the hands of the National Secretary no later than eight weeks before the date set. The National Secretary will publish remits in the monthly magazine, and at least three weeks before a General Meeting.
- 6.6 A General Meeting is open to all financial members to attend and take part in discussions, and all members who are resident in New Zealand shall have voting rights provided they have been financial members continuously for a minimum of three years prior to the date of the Annual General Meeting.
- 6.7 A quorum for the Annual General Meeting or Special General Meeting shall be five members eligible to vote and shall include the National President or National Vice President and two other elected members of the Administration Committee.
- 6.8 Any member entitled to vote who is unable to attend the Annual General Meeting or Special General Meeting may appoint a proxy. The names of all proxies must be in the hands of the National Secretary no later than two weeks prior to the meeting.

## Proposed New Version

### 6. GENERAL MEETINGS

- 6.1 General Meetings shall determine the League's policy
- 6.2 The Annual General Meeting shall be held annually. A Special General Meeting may held at any other time, when called by the Administration Committee, or by request made in writing to the National Secretary and signed by 15 financial members.
- 6.3 General Meetings will be at time and place, or by any electronic means (ie video, phone or internet conferencing), as the Administration Committee may decide.
- 6.4 Notice of a General Meeting may be given to members with a minimum of eight weeks notice in the monthly magazine, or by e-mail, or by post.
- 6.5 Remits for the General Meeting must be in the hands of the National Secretary six weeks before the date of the meeting. Remits will be circularized to members at least four weeks before the date of the meeting.
- 6.6 Life and financial members are entitled to attend and participate in discussions and are entitled to voting rights.
- 6.7 A quorum for Annual and Special General Meetings shall be five members who are eligible to vote. Two of the five members must be elected members of the administration committee.
- 6.8 Any life or financial member entitled to vote who is unable to attend or participate the General Meeting may appoint a proxy. The name of the proxy must be in the hands of the National Secretary no later than two weeks prior to the meeting.

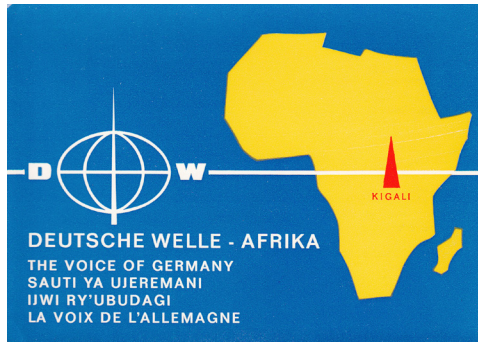


6.9 All matters at the Annual General Meeting or Special General Meeting shall be decided by a vote of a majority of those present entitled to vote and by those holding proxies. Voting shall be by a show of hands or secret ballot, as determined by the Meeting. The National President or in their absence the National Vice President shall exercise a casting vote in the event of equality of voting.

6.10 The Annual General Meeting each year will elect an Auditor by a vote of the members participating in the meeting who are entitled to vote and those holding proxies. Voting shall be by a show of hands or if the meeting is held by electronic means then voting will be conducted by each member one at a time giving their name and indicating how they wish to vote. If a secret ballot is requested then the meeting will determine how this is to be carried out.

6.9 The National President will preside over all General Meetings or if the National President is unable to attend then the National Vice President will chair the meeting. The National President or, if that person is absent, the National Vice President will have the casting vote.

6.10 If the Administration Committee determines that the Annual General Meeting will be held by electronic means then the National Treasurer must circularize all the financial reports to members two weeks prior to the meeting.



Kigali, den 4. V. 1966

Wir danken Ihnen für Ihren Empfangsbericht und bestätigen Ihnen gern die Richtigkeit Ihrer Beobachtung

am: 19. IV. 66  
 um: 0545 GMT  
 auf: 11 905 kc/s.

Mr.  
 Theo Donnelly  
 77 Fox Street  
 Hamilton

We are pleased to verify that your reception report has been found correct.

NEW ZEALAND

Thank you and best wishes from  
 DEUTSCHE WELLE  
 i.A. *Stiele*

# LADDERS & CONTINENTS



Editor: Sutton Burtenshaw  
Hamilton

email  
suttonb@slingshot.co.nz

MEDIUMWAVE OPEN (Over 500)	A/NZ	Pac	NAm	CAm	SAm	Eur	Af	Asia	Cnt	Dec	Jun	Inc	
Ray Crawford	882	127	414	86	111	132	46	569	189	2366	2367	1	
Douglas Johns										1100	1121	21	
Sutton Burtenshaw	436	65	335	43	39	47	3	121	108	1089	1089	0	
David Ricquish	501	93	195	22	6	8	0	46	67	871	871	0	
Stuart Forsyth	473	26	96	13	22	90	1	26	61	747	750	3	
John Campbell										130	644	644	0
Paul Aronsen										50	531	531	0

## SENIOR (301 - 500)

Peter Grenfell										41	457	457	0
Günter Jacob	0	0	7	0	0	356	10	11	59	384	388	4	
Frank Glenn										24	331		

## FM-TELEVISION

Douglas Johns										980	1017	37
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## SHORTWAVE OPEN (Over 500)

n.b. \* next to Sth America total means you have verified ANTARCTICA

SHORTWAVE OPEN (Over 500)	A/NZ	Pac	N.Am	C.Am	S.Am	Eur	Af	Asia	Cnt	Jun	Sep	Inc	
Ian Cattermole	295	569	642	348	393*	3520	488	1815	209	7983	8070	87	
Ron Killick										237	6262	6262	0
Günter Jacob	292	360	357	172	201*	1907	534	1535	176	5249	5358	109	
Douglas Johns										3223	3223	0	
Ray Crawford	177	111	186	120	274*	929	281	565	233	2645	2645	0	
John Durham	116	95	222	113	152*	971	250	547	265	2461	2466	5	
John Campbell										264	1729	1729	0
Paul Aronsen										125	806	806	0
Peter Grenfell										141	777	777	0
Stuart Forsyth	49	20	14	16	29*	204	50	154	107	517	537	20	

## JUNIOR (5-150)

Frank Glenn										71	172	
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## UTILITIES

Ron Killick										133	61957	0
Douglas Johns											35857	0
Günter Jacob										14	18	

**Congratulations** to these six month winners; **MEDIUMWAVE OPEN** Douglas Johns, **SENIOR** Günter Jacob. **SHORTWAVE OPEN** Günter Jacob. **FM-TELEVISION** Douglas Johns. No increases were received for Junior Shortwave or Utilities sections. Look who added to his count with one more verification. Way to go **Ray** and we look forward to some more. (Watch out when Ray gets over to the west coast of W.A.) A fresh six monthly competition starts with the above totals. Hope the cards and letters keep rolling in folks. It is sad to record this will be last time we will see **Frank Glen's** name on this page. We as a club did benefit greatly from his participation both as a member and as our Patron.

Yours in DX, Sutton

## X Band at a Glance

1610	CHHA	Caribbean Beacon, Anguilla	EE religious. Dr Gene Scott /Mrs Scott South Asian Format
	CHRN	Toronto ON Montreal QU	SS 'Radio Voces Latina' Call in SS and EE. Distinctive chimes.
1620	WDND	South Bend IN	Top 40
	KOZN	Bellevue NE	CBS Sport
	WTAW	College Station –Bryan TX	'Newstalk 16-20 WTAW' Takes C-to-C AM
	KYIZ	Renton WA	Urban, r & b, hip-hop /KRIZ " Z Twins"
	KSMH	West Sacramento, CA	Rel. 'IHR (Immaculate Heart Radio) Sacramento". "
	WNRP	Gulf Breeze FL	News/Talk Fox News "News Radio 1620"
	R Rebelde	Guantanamo & Guanabacoa	SS Distinctive 5 note chime on hour. Sync echo.
	WDHP	St Croix, US Virgin Islands	Talk. Overnight NZT currently b2b music.
1630	KCJJ	Iowa City IA	Hot AC " Mighty 16-30 KCJJ"
	KRND	Fox Farm WY	SS new ID " La Jota" 1/11
	KKGM	Ft Worth/Dallas TX	Talk
	WRDW	Augusta GA	Talk/Sport Fox, SRN.
1640	WSJP	Sussex WI	rel. Relevant Radio
	KDZR	Lake Oswego OR	Disney 'KDZR Radio Disney Portland" "AM 1640 KDZR"
	KDIA	Vallejo CA	Talk/religious/life issues
	WTNI	Biloxi MS	CBS sport
	KZLS	Enid OK	Talk "1640 The Eagle"
	KBJA	Sandy UT	SS music o/nite EE ID "KBJA AM Super 1640"
1650	KSVE	El Paso TX	ESPN SS "ESPN Desportes 1650"
	KCNZ	Cedar Falls IA	Fox Sport
	KBJD	Denver CO	Rel. Radio Luz
	KFOX	Torrance CA	Korean/ EE ID on hour
	CINA	Mississauga ON	South Asian format
	WHKT	Portsmouth VA	Talk."Freedom 16-50"
	KYHN	Fort Smith AR	"Conservative Talk Radio"
1660	KTIQ	Merced CA	"Radio Visa" SS. EE ID "KTIQ Merced La Voz Christiana"
	WBCN	Charlotte NC	CBS Sport// WKQC
	WWRU	Jersey City NJ	Korean
	WCNZ	Marco Is FL	Slogan: "Twang 106.7"
	WQLR	Kalamazoo MI	"Fox Sports Radio 1660, The Fan"
	KRZI	Waco TX	Nx on hr/local ads .05 'ESPN Central Texas 1660 KRZI'
	KQWB	West Fargo ND	Now C & W "Willie 1660"
	KXOL	Brigham City UT	SS ID in EE on hour " K X O L 1660"/KOVO Provo 'Mi Preferida 104.7'
	KWOD	Kansas City KS	"Talk radio KMBZ Business Channel 1660 Kansas"
	CJRS	Montreal QE	Radio Shalom - ethnic.
1670	WPLA	Dry Branch, GA	Fox Sports "All Sports 1670"
	WOZN	Madison WI	CBS Sport and SRN "The Zone"
	CJEU	Gatineau QC	Radio Disney en francais.
	KHPY	Moreno Valley, CA	Radio Catolica SS. Sung ID on hr. "KHPY Moreno Valley 1670"
	KNRO	Redding CA	CBS Sport
1680	WTTM	Lindenwold, NJ	Ethnic – Asian 'Radio Unica'
	WOKB	Winter Garden FL	Gospel "WOKB Winter Garden-Orlando"
	WPRR	Ada MI	ID " Public Reality Radio"
	KGED	Fresno CA	"Conservative Talk Radio 1680"
	KNTS	Seattle WA	SS Religious. EE ID 00:10 after hour. "Radio Luz"
	KRJO	Monroe LA	"Classic Country 1680 KRJO"
1690	KDDZ	Arvada CO	"R.Disney AM 16-90 KDDZ Arvada Denver"
	KFSG	Roseville CA	Ethnic EE ID on hr "KFSG Sacramento"
	WVON	Berwyn, IL	Talk 'The Talk of Chicago 1690 WVON" ID includes morse code.
	WMLB	Avondale Estates GA	News/Talk CNN. ID with birdsong hourly at 59.45
	WPTX	Lexington Park MD	News/Talk/Sports YL with ID "WPTX Lexington Park 1690"
	CJLO	Montreal Q	EE college station
	CHTO	Toronto ON	AM 1690. Ethnic.
	WIGT	Charlotte Amalie US VI	new 920 watts
1700	WEUP	Huntsville AL	Black Gospel "1700 WEUP the Peoples Station"
	KKLF	Richardson-Dallas-Ft Worth TX	now SS "Kick 1700"
	KBGG	Des Moines IA	CBS Sport "The Champ 1700"
	KVNS	Brownsville TX	Fox Sport
	XEPE	Tecate BCN MX	ESPN sports/talk
	WJCC	North Miami Beach FL	'Radio Mega 1700'



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

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

May 10, 2015 -- HCJB, Quito, Ecuador is surely one of the most famous shortwave stations. We have a number of historic items from the station, and we are going to put them all on a special "HCJB Tribute" page. To start off we have posted a pamphlet called "Songs and Scenes" which, as the name implies, contains some photos of the station as well as sheet music for some songs, several of which were written by HCJB co-founder Clarence W. Jones. Judging from the copyright dates of the songs and the "Gospel Sound Truck" in one of the photos, this pamphlet appears to date from the very late 1940s or early 1950s. Note the group photo on p. 14. That's definitely Clayton Howard in the front row, far left, and maybe Helen in the back row, fourth from the left. Both had arrived at the station circa 1941.

May 17, 2015 -- This time, under "DX History//POW Monitoring," we have posted a paper titled "Unbroken and the POW Messages of Louie Zamperini." Unbroken is the title of the 2010 book by Laura Hillenbrand and the movie of the same name that was released four years later. It was a surprise to learn that California's 1936 hometown hero, Olympic runner Louie Zamperini, who spent a month and a half on a raft and two years getting rough treatment in Japanese prisoner camps, had himself voiced a POW message over Radio Tokyo. The paper presents the story. -- Also on POW messages, we have updated the review of Lisa Spahr's book, "World War II Radio Heroes: Letters of Compassion," to cover the additional material in the second edition, which came out in 2013. Find it under "Book Reviews." -- And finally, under "Specialized Resources/Wavescan," Adrian M. Peterson presents the timely story, "Tribute to Nepal: The Early Radio Scene" (Wavescan N324, May 19, 2015).

May 24, 2015 -- The anchor station of the "Imperial Wireless Chain"--the Marconi "beam system" that linked the far corners of the British Empire--was in Rugby, England. It came into service on longwave in 1926, at first offering only telegraph service, expanding to voice in 1927. Shortwave came into use in 1928. Under "DX History/Stations" we have posted a pamphlet, "The Rugby Radio Station of the British Post Office," published in 1938. Rugby was the rough parallel of RCA's Radio Central at Rocky Point, Long Island. For the "Official History" of Rugby, see < [http://www.subbrit.org.uk/sb-sites/sites/r/rugby\\_radio/indexr67.shtml](http://www.subbrit.org.uk/sb-sites/sites/r/rugby_radio/indexr67.shtml) > and for an interesting film about Rugby, made in 1932, see < <http://www.britishpathe.com/video/the-worlds-greatest-radio-station-aka-rugby-wirele/query/radios> > And under "Specialized Resources/Wavescan" you'll find more on Nepal, in Adrian Peterson's "Tribute to Nepal-3: The Story of Radio Nepal" (Wavescan N325, May 17, 2015).

May 31, 2015 -- This time, under "DX History/Stations," we have posted "A Brief History" of the Voice of America, published by VOA. It looks like it was issued around 1997. -- And under "Specialized Resources/Wavescan," we have another chapter in the WYFR story from Adrian Peterson: "WYFR-15: Through the Years With Shortwave WYFR" (Wavescan N326, May 24, 2015).