

## New Zealand DX Times

Monthly Journal of the New Zealand Radio DX League (est 1948) May 2008 Volume 60 Number 7 http://www.radiodx.com



**LEAGUE** 





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### **ADVERTISEMENTS**

PK's Loop Aerials 48

### FRONT COVER

Dallas McKenzie with his radio setup in Evans Bay Wellington during the 1960"s

Thank you to Dallas McKenzie for the photos of his Evans Bay radio set-up during the 1960's and also to Des Davey for the photo of his early radio set-up (in the Adcom section)

If you have photos of your early radio room with QSL's and/or radio's please feel free to send them to the League P.O Box in Auckland where they will either be scanned and forwarded to me or sent to me for scanning. Please advise if you want the photos returned. Or you are welcome to scan your own photos and email copies to me at editor@radiodx.com Photos of your current listening/DX Post are also welcome.

Mark Nicholls Chief Editor

## CLOSING DATES FOR THE NEXT 3 MONTHS (2008)

You can send your contributions to the NZ Radio DX League at

PO Box 39-596 Howick

Manukau 2145

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

June Wednesday 4th June
July Wednesday 2nd July
August Wednesday 6th August

# **BANDWATCH UNDER 9 MHZ**



Editor Ken Baird email bandwatch.under9@radiodx.com

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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.

kHz	UTC	Country, Station, Programme, & Reception Details
3280	1549	CHINA, V of Pujiang poor and noisy in Chinese – DD 19/4
3335	1904	PAPUA NEW GUINEA Radio East Sepik with opening annots for Karai National Radio, then syndicated American religious prgm 23/4. BCM
3935	1925	NZ, Radio Reading Service good in English with comment on climate change – DD 5/4
3965	1802	FRANCE, R Taiwan Intl fair in English with news and repeated refs to
3703	1002	Taiwan, some QRN – CC 26/4
3985	1558	TAIWAN, R Taiwan Intl poor in Chinese – DD 19/4
4754.9	0421	BRAZIL Radio Imaculada Conceicao with PP religious talk, fair 25/4.
		Ident with FM freq at 0452. Carrier often there but audio has been rare till now. BCM
4775	0404	PERU Radio Tarma with comprehensive ident & closing annots,
		including callsigns, frequencies on AM, SW & FM Stereo, good! Carrier
		off 0409 leaving Swaziland in the clear 22/4. BCM
4775	0446	SWAZILAND Trans World Radio with EE religious talk and hymns,
		poor 24/4 & 25/4. BCM
4835	2231	AUSTRALIA ABC Alice Springs with news headlines 6/5, poor but
		steady. Weak audio traces only on 4910 and 5025. BCM
4905	1526	TIBET, Xizang Lhasa poor in Chinese -DD 19/4
4940	1910	SAO TOME VOA relay with EE discussion & phone-ins about Zimbabwe
		23/4. Ident 1916. Audible past 1955, also on // 17895, fair but clear. BCN
4950	1540	CHINA, Shanghai fair but noisy in Chinese – DD 19/4
4990	0436	SURINAM Radio Apinte making a rare appearance 20/4, followed past
		0720, with poor signal. Popular songs, ident in EE at 0500. BCM
5010	1907	MADAGASCAR Radio Madagascar vgd with native rhythms 23/4,
		strongest signal on 60m. Station jingle played frequently. Audible at
		2002 recheck but gone by 2030. USB signal. BCM
5070	0538	USA, WWCR fair in English – DD 13/4
5100	0400	ERITREA? UNID station noted opening here abruptly, into 'Horn of
		Africa' vocals, occasional annots. Hrd often since 25/4 but no
		positive ident. Overseas reports say Voice of the Broad Masses is

now here – I haven't traced their 0400 opening on usual 7100 since 8/4. BCM

5765	1140	GUAM, AFN on USB poor with country music – DD 1/4
5835		USA WORLD HARVEST RADIO male ann S ID English mention of FM
		call sign ( couldn't copy to short and to fast etc )religious male vocals
		continue past 1635 S 3/4, 30/4 RP
5855	1500	NTH MARIANAS, R Free Asia poor and noisy in Chinese – DD 19/4
5885		VATICAN, R Vatican good with news in English – DD 2/4
5890		USA, WWCR poor in English – DD 6/4
5900		BULGARIA, R Bulgaria Intl good in Russian // 9400 – BW 03/04
5905		NETHERLANDS ANTILLES Deutsche Welle testing via Bonaire in GG 21/4
		for South Pacific, strong signal. BCM
5920	0537	USA, WYFR poor in English – DD 6/4
5935		USA, University Network with Dr Gene Scott, poor in English – DD 6/4
		BRAZIL Radio Globo good in USB 9/4 with time checks, idents in PP,
		jingles, pips on the hour, // 5045 poor but clear. BCM
5960	2105	ALBANIA China Radio Int CRI lady ann S ID English S/3, 22/4 RP
5970		GERMANY. WYFR via Media-broadcast. VG in AA. – IC 31/3
5975		UK, R Japan good in English with World News, ID 0510 as NHK – CC 18/4
5975		GERMANY. Polish Radio via Nedia-broadcast. Fair in PP. – IC 30/4
5995		AUSTRALIA, R Australia excellent with PNG Service – DD 26/3
5995		CHINA, CRI v good in English – BW 13/4
6000		CUBA, R Havana v good with news in English – DD 31/3
6010		BRAZIL Radio Inconfidencia good with ident in PP, easy listening
		music prgm. Freq measured as 6009.98 21/4. BCM
6010	0901	MEXICO Radio Mil fair with SS ident, typical Mexican rhythms, in the
		clear with no sign of Brazil 21/4 BCM
6020	0540	NETHERLANDS, RN v good in Dutch – DD 31/3
6020	0740	PERU. Radio Victoria. Fair in SS. – IC 3/4
6020	1350	AUSTRALIA, R Australia good in English – DD 10/4
6035	0730	GERMANY. RN via Media-broadcast. Good in DD//5855. – IC 4/4
6040	1030	RUSSIA, R Netherlands v good in English – DD 26/3
6050	1900	GERMANY, Polish Radio good in Russian // 6175 v good – BW 13/4
6055	0550	SPAIN, REE excellent in Spanish – DD 31/3
6060	2000	THAILAND, VOA poor in Korean – DD 2/4
6065	1428	CHINA, CRI v good with Chinese music – DD19/4
6070	0520	CHILE, CVC La Voz fair in Spanish with Latin music and singing, steady
		QRM // 6160 under R Japan – CC 18/4
6070		CHINA, CRI poor and very noisy in English – DD 17/4
6075	2010	??? D Welle good but noisy in German – DD 27/3
6080		AUSTRALIA, R Australia poor in English – DD 9/4
6080		AUSTRALIA, R Australia v good in English with Country music – DD 5/4
6105		GERMANY. TWR via Media-broadcast. Good in EE. – IC 1/4
6110	0225	LITHUANIA KBC Radio via Sitkunai relay, initially poor but improved to
		quite good by 0300 closedown 4/5. Pop oldies, commercials, radio
		jingles. Mainly in EE but some Dutch. Sundays only. BCM
6110	0333	USA WHRI very good strength with "Radio Liberty" conspiracy theories

		talkshow 10/4. WHRI ident at 0359 closedown. BCM
6110	1840	PHILLIPINES, VOA poor in English – DD 9/4
6125	0413	SPAIN, REE, exc in SS, 30/4, PP
6130	1900	GERMANY. Bible Voice BC via Media-broadcast. Good in EE. – IC 6/4
6135	0431	??? AWR excellent in French – BW 17/4
6140	1200	PHILIPPINES. VOA. Fair in EE IC 27/4
6140	1816	GERMANY, Polish Radio excellent in Russian – BW 19/4
	1830	
6145		GERMANY, Polish Radio good in Ukrainian // 6145 excellent – BW 19/4 AUSTRIA, RAI, good in GG, 30/4, PP
6155	0412 0359	
6165		NETH ANTILLES, R N food in English with Carillion, ID by Om at 0400 – CC 6/4
6165	0410	NETH.ANTILLES, Rad.Neth, with progr."Newsline", v/gd in DD, //5975, 5/4, PP
6165	0452	NETH ANTILLES, RN fair in English with comment on smoking,
/1/ F	0555	ID 0456 – KAB 14/4
6165		NETH ANTILLES, RN fair in Dutch, off at 0557utc – DD 31/3
6165		CROATIA, V of Croatia fair with news in English – DD 31/3
6170	0424	ETHIOPIA Voice of the Tigray Revolution fair in the clear 15/4, // 5965
		and 5950 (under strong Chinese). Carries distinctive 'Horn of Africa'
4175	0405	vocals. Also had on 5980 on 13/4 but not following days. BCM
6175	0425	CANADA, V of Vietnam fair in English with pops, tones at 0428 then off
410A	0425	at 0430, Anthem, ID then back on in English – KAB 7/4 USA, VOA fair in English with news from Iraq and US elections,
6180	0433	ID 0538 – KAB 9/4
6180	0516	MOROCCO, VOA good but noisy in English – DD 6/4
6180	0615	BRAZIL. Radio Nacional Amazonas. Strong in PP under VOA. – IC 28/4
6185	0500	•
6185	1438	NTH KOREA, V of Korea good in Korean – DD 19/4
6195	0406	NETH.ANTILLES, Rad.Japan, v/gd in SS, 30/4, PP
6195	1036	SINGAPORE, BBC WS good in English – DD 26/3
6200	1634	CHINA, CRI fair in English with nice Chinese music, using Xizang
0200	1004	Lhasa freq. – DD 17/4
6290	2100	EGYPT. Radio Cairo. Fair in AA. Some days not audible. – IC 22/4
6860	2130	EGYPT. Radio Cairo. Fair with language lessons AA/EE. – IC 5/4
6974	1825	ISRAEL, Galei Tzahal, Poor in Hebrew, class mx, 1900 nx – KVB7/4
7105	1425	CHINA, CRI v good with Chinese music – DD 19/4
7105	1901	THAILAND, R.Farda Good in Farsi, ID MA ethnic mx – KVB 7/4
7105	2018	BELARUS, R Minsk fair in English with music and comment, ID 2020 – KAB 7/4
7110	0333	ETHIOPIA?? R.Ethiopia (pres), Poor/Fair in unid language, ethnic mx,
,	0000	0359 I/S, T/S & chimes at 0400, fading after 0500 – KVB 17/4
7120	0443	SOUTH AFRICA, BBC, Good/Fair in English nx, surging after 0500 – KVB 20/4
7125	0352	RUSSIA, Russian Int.Rad., gd in RR, 30/4, PP
7135	1018	CHINA, CRI fair in English with talk on pandas – DD 26/3
7135	2100	GERMANY. Polish Radio via Media-broadcast. Fair in FF IC 7/4
7140	0354	CYPRUS, BBC, fair in AA, 30/4, PP
7145	0823	NEW ZEALAND, RNZ, Fair in English, Pacific mx, 0825 ID – KVB 10/4
7145	0831	NZ, RNZI good with Date Line Pacific in English – DD 01/04

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**MAY 2008** 

**NEW ZEALAND DX TIMES** 

7155	1900	THAILAND, R	R. Thailan	d, Fair/Good	d in Englis	h s/on,	nx – KVB 6/4

- 7155 1942 THAILAND Radio Thailand INT English Prgm about oil supply situation world wide inc S/5, 24/4 RP
  - 7160 0355 ASCENSION ISLAND, BBC, fair in EE, 30/4, PP
- 7160 1937 THAILAND, R Thailand HSK9 good in English with news
- 7160 2009 CHINA, CRI good in English with comment on Paris Torch Relay plus details from London, CRI ID and Web address at 2015 KAB 7/4
- 7170 2036 TURKEY, VOT good with news in English DD 5/4
- 7170 2038 TURKEY Voice of Turkey English Service News middle east Israel etc S/5, 7/4 RP
- 7170 2044 TURKEY, VOT good in English with news headlines KAB 6/4
- 7170 2057 TURKEY, VOT good in English BW 04/04
- 7185 1050 TAIWAN, R Taiwan Intl good in Chinese DD 01/04
- 7190 0940 CHINA, CRI excellent in Chinese DD 01/04
- 7200 0411 BULGARIA, R Bulgaria fair in Bulgarian with vocalist, surging // 7400 with some QRM CC 6/4
- 7200 0905 RUSSIA, R. Rossii, Yakutsk, Fair in Russian, ID 0910 KVB 6/4
- 7210 0336 ETHIOPIA Radio Fana fair in the clear, followed past 0444 10/4. Actual freq 7209.9. Parallel freq 6110 also audible under WHRI. Must be more power than listed 10kw. BCM
- 7220 0347 ??? AWR v good in Farsi BW 17/4
- 7230 0500 Unknown Location, VOA, Good in Kurdish, nx on PA State Primary 23/4 KVB
- 7235 1045 SINGAPORE, R. Warna, Poor to start, became Fair in Malaysian, nx about Formula One, mx, ID 1054 KVB 6/4
- 7240 1848 AUSTRALIA, RA, Fair in English on efforts to make PNG Telecom competitive KVB 21/4
- 7240 1915 AUSTRALIA, R Australia v good with Pacific Beat in English DD 15/4
- 7245 0400 RWANDA, DW, Fair in English nx/sport, ID 0405 KVB 10/4
- 7245 0413 RWANDA, D Welle fair in English with comment on Olympic Torch Relay in London // 7225, ID 0415 KAB 7/4
- 7250 0521 VATICAN, Vatican R, Good in English, Vatican world's first tobacco-free state, s/off 0529 KVB 6/4
- 7250 0554 VATICAN, Vatican Radio good in unid language DD 6/4
- 7265 1015 RUSSIA, D Welle fair in German DD 26/3
- 7265 1753 GERMANY, Polish Radio Intl fair in English with male vocalist then YL with ID and Station announcements, very scratchy CC 26/4
- 7270 0220 EGYPT Radio Cairo with World News in EE, poor but clear and improving. Ident 0224 as "You are tuned to Radio Cairo... to North America" 27/4. Audible past 0300. BCM
- 7275 0821 SOUTH KOREA, KBS, Fair in Japanese & contemp mx, 0858 ID, anthem & into Korean KVB 6/4
- 7275 1041 STH KOREA, KBS fair/poor in Korean DD 01/04
- 7275 1950 SPAIN, REE v good with live sports in Spanish DD 20/4
- 7285 2039 GERMANY, CVC Intl poor in English with relig prgm KAB 6/4
- 7285 2215 GERMANY. WYFR via Media-broadcast. Fair in EE. IC 16/4

7290	0812	INDONESIA, RRI Nabire, Poor in Indonesian FA/MA, 0824 anthem & off
		air (also heard 0746-0857 21/4) – KVB 7/4
7295	1123	MALAYSIA, Traxx FM, Fair in English & pop mx, ID 1132 – KVB 8/4
7300	1035	CHINA, CRI fair in Chinese – DD 01/04
7310	0615	PORTUGAL, D Welle fair in English with Mailbag style prgm, ID 0617 – KAB 13/4
7315	0950	USA, WHRI good in English – DD 01/04
7315	1142	USA World Harvest Radio Stn ID lady ann religious speaker with
		religious programming S4/5, 10/4 RP
7324.9	60914	PAPUA NEW GUINEA Wantok Radio Light reactivated 21/4 after some
		week's absence, with "positive, uplifting messages" in EE. Best on LSB
		to avoid annoying Firedrake QRM on 7330. Also hrd at 1925 in the
		clear with "Morning Light Devotions". BCM
7325		UNITED KINGDOM, BBC, Fair in Arabic, ID 0516 – KVB 6/4
7325	0/2/	PNG, Wantok R. Light, Fair in English, contemp relg mx, advt/promo.
70.45	1000	Not previously heard this moth – KVB 21/4
7345	1030	RUSSIA, R Rossii fair in Russian – DD 01/04
7365		USA, WHRI fair in English with gospel singing – KAB 7/4
7365	1620	TAIWAN, R Taiwan Intl good in Chinese – DD 17/4
7365	2000	Vatican R-S.Maria, Africa service s/on in EE vg. news then commentary on Iraq/Israel violence 22/4 RFK
7365	2020	VATICAN, Vatican Radio good with IS, ID and then into Italian with
/303	2029	news – KAB 6/4
7370	1625	IRAN, VOIRI v good in English with Current Express, closed at 1635 utc – DD 17/4
7375		COSTA RICA, University Network, Poor/Fair in English relg & mx thru
7075	0320	0600 – KVB 19/4
7380	1825	SOUTH AFRICA, BBC, Poor in English comment, ID 1832, faded by
, 000	1020	1855 – KVB 19/4
7380	2200	MADAGASCAR, RN, Fair/Poor in Indonesian s/on MA/FA – KVB 23/4
7390		SOUTH AFRICA Channel Africa weak signal with interval signal &
		sign-on annots in FF 8/4. Improves towards 0455 close. BCM
7410	1922	INDIA, AIR Delhi v good with Economic Review in English – DD 15/4
7410	2046	INDIA, AIR Delhi weak in English with world news – KAB 6/4
7420	2100	MADAGASCAR, R.Sweden, Fair/poor in Swedish, 2129 ID & into
		English – KVB 20/4
7425	0348	ALBANIA? Rad.Tirana, YL with talks about Albania, ID 0350, v/gd in EE, 5/4, PP
7430		GUAM, KTWR excellent in Mandarin – BW 11/4
7440	0316	UKRAINE, RUI, Fair in English with choral group, "Jazz Act ??" doing
		vocal jazz renditions, ID 0335 – KVB 21/4
7445	1148	TAIWAN, RTI, Fair in English & pop mx, ID 1158 – KVB 8/4
7455	1021	USA, WEWN good in Spanish – DD 01/04
7475	0421	GREECE, FTH good in Greek with music // 9420 the same – CC 6/4
7480	1757	MOLDOVA, Payam e Dost, Good in pres Farsi, s/on, FA talk – KVB 14/4
7505	1809	THAILAND ?? RFA, Good in pres Burmese, ethnic/pop mx – ID 1827 – KVB 14/4
7520	0620	USA, WYFR fair in English with prgm on baptism – KAB 13/4

7520

1418 GUAM, KTWR excellent in Mandarin – BW 11/4

- 7570 0625 USA, WEWN good in English with prgm on sacrifice and covenants KAB 13/4
  7580 0859 NORTH KOREA, VOK, Good in Japanese, s/on, FA talk KVB 10/4
  7580 1012 NTH KOREA, V of Korea fair with news in Japanese DD 01/04
  7580 1816 SRI LANKA, R.Farda, Fair in Farsi & mx, ID 1817 KVB 7/4
  7620 1010 CHINA, CNR-5 Zhonghua excellent with English music DD 26/3
  7780 0417 USA, WYFR fair in English with Bible prgm KAB 7/4
  7811 0433 USA, AFRTS FL, Fair in English nx, actor Charlton Heston dead, ID
  - OVERSEAS LOGGINGS.
    All may not be audible in NZ at the times listed

0459 - KVB 6/4

- kHz UTC Country, Station, Programme, & Reception Details
  3240 0256 SWAZILAND, Trans World Radio, \*0256-0315 Mar 22, hand bell IS
  with several English language IDs by a man ("This is Trans World Radio,
  Swaziland") with Shona language program opening at 0300. Fair
  with intermittent UTE QRM. (D'Angelo-PA)
- 3249 0256 HONDURAS, Radio Luz y Vida (San Luis). Spanish. ID including city and country into light vocal and piano music. S5/Fair. 10/05 JKW.
- 3261 0320 COSTA RICA, Radio Exterior de Espana, 0320-0335 Mar 22, after seeing tip at NASWA Yahoo Group I tuned in to see what could have been operating here in either Portuguese or Spanish. Time pips at 0330 and Spanish language had me check //3,350 kHz where I noted REE from Costa Rica. Obviously, someone's transmitter is leaking a signal. Poor. (D'Angelo-PA)
- 3984.9 0320 CROATIA, Voice of Croatia, 0320-0352 Mar 20, light pop vocals until ID at 0330 and news with a man announcer in Croatian at 0330. Apparent Spanish news and ID at 0340. Another ID at 0348 by a man and then a woman who gave frequencies and broadcast targets. Pop vocals from 0350. Fair and // 7285 (Germany) was very good. (D'Angelo-PA)
- 4755 0310 UNID maybe BRAZIL, Radio Immaculate Conception (C. Grande) Vern. OM with either Spanish or Portuguese with EZL music and several Buenos Diaz's or the PT equivalent. Partial ID at 0317 with "Immaculada" heard. S5/Poor. 10/05 JKW.
- 4780 0300 DJIBOUTI, Radiodiffusion Television de Djibouti, \*0300-0317 Apr 7, sudden opening with orchestra national anthem. Man with Arabic sign on ID and announcements followed by Qu'ran recitation by another man. Fair with some CODAR splatter. (D'Angelo-PA)
- 4845.2 0147 BRAZIL, Radio Cultura Ondas Tropicais, 0147-0201\* Mar 25, various men talking in Portuguese; possible coverage of a sporting event.

  ID at 0200 cut in by another man announcer, brief music and audio gone. Carrier reminded on for another five minutes before being

- terminated. Poor to fair. (D'Angelo-PA
- 4885 0322 BRAZIL, Radio Clube do Para (Belem). Portuguese. OM announcer with ID and echo effects. Music with heavy drum and bass lines. S5/Poor. 10/05 JKW.
- 4930 0330 BOTSWANA, Voice of America Moepeng Hill, 0330-0351 Apr 7, ID, previews of upcoming features, man announcer with world news in English. At 0349 "It's 49 minutes past the hour." More features. Poor to fair (D'Angelo-PA)
- 4950 4950 ANGOLA, Radio Nacional de Angola, 00347347-0418 Mar 19, program of easy pop vocals with time pips at 0400 followed by a woman announcer with ID in Portuguese, music fanfare followed by another woman with the news. End of news at 0415 with another ID and music. Poor to fair. (D'Angelo-PA)
- 5009.8 2353 DOMINICAN REPUBLIC, Radio Pueblo, 2353-0002\* Mar 20, Latin vocals with guitar music with a man announcer and Spanish talk at 2356. More vocals with formal announcements at 0000 giving call letters and ID. Closed with a brief vocal. Thanks to Terry Krueger for initial log that this was back. Noticed IDs from Bob Wilkner and Brian Alexander. Fair. (D'Angelo-PA)
- 6040 0100 LITHUANIA, The Mighty KBC, \*0100-0159\* Mar 23, Opening of English program with several "The Mighty KBC" and simple "KBC" IDs by a man announcer. Played Wolfman Jack program with KBC Imports ads for Kaito receivers and other electronic products. Fair to good. (D'Angelo-PA)
- 6060 1106 CUBA, Radio Nacional de Venezuela, 1106-1115 Mar 24, woman announcer with English language features about political developments in Venezuela. Spanish ID at 1109 followed by more English programming. Another ID at 1112 followed by Spanish language programming. Good signal. (D'Angelo-PA)
- 6080 2136 SAO TOME, Voice of America Pinheira, 2136-2201\* Mar 23, Country Hits USA program hosted by a woman announcer. Program ended at 2150 followed by instrumental music filler until a man gave station closedown ("This is the Voice of America, Washington, DC signing off") and information about obtaining a schedule. Fair. (D'Angelo-PA)
- 6973 0343 ISRAEL, Galei Zahal (Tel Aviv). Hebrew. Continuous Middle Easternmusic. S5/Fair. 10/05 JKW.
- 7245 0409 RWANDA. D Welle relay. English. OM with talk of relief efforts in Myanmar. The announcer and all of the reporters kept referring to the country as "Burma." Mentions of trouble in Lebanon. S9+10/VG. 10/05 JKW.
- 7415 2214 USA, WBCQ (Monticello Maine). English. Program of music indigenous to the Southern Appalachian region of the US hosted by Dan Haller. Performers included Rhonda Vincent, Wilma Lea, Del McCrery, Bobby Osborne, Bill Monroe, and The Country Gentlemen. Unfortunately,

none of the songs included the official state song of the great and sovereign state of Tennessee that falls into this genre of music. ID at BOH. S9+10/VG. 11/04 JKW.

### Logging of the Month

goes to Bryan Clark

for BRAZIL, Radio Imaculada Conceicao on 4754.9KHz at 0421utc on 25/4.

### Congratulations also to

Bryan Clark for SURINAM, Radio Apinte on 4990KHz at 0436utc on 20/4.

My thanks to all the contributors for this month.

#### Ken Baird

#### CONTRIBUTORS FOR THIS MONTH

- **BCM** Bryan Clark at Mangawhai with AOR7030+ and Alpha Delta Sloper, EWE to NE and various 100 metre BOGs to the Americas .
- **BW** Brian Webb, Upper Hutt, Yaesu FT757 GX 11 receiver, 5m inside wire
- CC Cliff Couch, Paraparaumu, ATS 803A, 60m horizontal loop
- DD Des Davey, Te Kuiti, Kenwood R1000, FRG 7000, Hallicrafters S120, 60m wire, 260 ft wire
- IC Ian Cattermole, Blenheim, JRC 535, T2FD, Alpha Delta.
- **JKW** Joe Wood, Greenback, TN USA, Eton E1, Radio Shack DX 390, Grundig Mini 100 PE. FlexTenna, 7 metre random wire.
- **KAB** Ken Baird, Christchurch, 8051, Kenwood R5000, R1000, 18m Wire, SW Eavesdropper
- **KVB** Kelvin Brayshaw, Levin, Sangean ATS-505, Eton E-5, Indoor HF Loop
- **(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.
- **PP** Phil van de Paverd, Auckland, 12.5m EWE, Icom R71
- **RFK** Ron Killick, Christchurch, Sony ICF6800W, with 40m long wire
- RP Roger Pryde Dunedin, Receivers SANGEAN ATS 803A, YAESU FRG7000, Aerial 100 ft / 30 mtr long wire, East West direction.

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### **BANDWATCH OVER 9 MHZ**



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Please add the date, language and country of origin of your loggings to your report and keep reception details short. To avoid duplication, please check that your logging has not already been entered during the last three months.

# indicates overseas contributors.

		Country, Station, Programme & Reception Details
9260 1	1308	CHINA, CRI, v/gd in EE, 13/4, BW
		EGYPT. Radio Cairo. fair in FF. 9/4, IC
9290 1	1300	LATVIA. Ulbroka. European Music Radio. Fair-poor in EE, with pop
		music programme. Heard call to myself a few minutes after sending
		them an email to say I had also heard them on 6140 kHz (Wertachtal
		100 KW) from 1200 via Global tuners.com. 4/5, DL
9330 2	2205	USA, WBCQ, The Planet, Owned by Weiner BC systems Inc, leases air
		time to religious and other prgr. producers, the time was leased
0045		by Progr, "Radio bible" poor in EE, 23/4, DD
9345 (		NORTH KOREA, VOK, fair in Mandarin, 26/3, DD
		NORTH KOREA, KCBS, fair in Korean, s/off at 0947 with Nat.Anthem, 29/4, PP
9350 (		TAJIKISTAN. RFA via Dushanbe. Weak in Uighur. 5/4, IC
9370 1		
9420 2		, ,
		PHILIPPINES. FEBC, gd in Mandarin, 29/4, PP
		SLOVAKIA. Radio Slovakia Int. Good in EE. 6/4, IC
9450 (		
9460 0	0400	GERMANY, R.Farda-Wertachtal, exc in Persian & plenty ids, more talk
0.470	0100	than music. 19/4, RFK
9470 (		
		GERMANY, V of Russia, gd in EE, 30/4, PP
9485 1		
9515 1		GERMANY. Pan American BV. Via Media-broadcast. Good in EE. 26/4,IC
9535 2		• • • • • • • • • • • • • • • • • • • •
9545 2		
9550 (		CUBA, Rad.Habana, with stamp collector progr, fair in EE, 31/3, DD
		CHINA, CRI, good in Mandarin, 30/4, PP
9575 (	0023	MOROCCO. Radio Medi 1, Nador. with music till 0630 then nx and sport,
0.500#0	21/17	fair in FF, 21/04, FH GARON, African Numbers Lin highlife vessels bested by OM with French
9580#2	۱ <del>۱۱</del> /	GABON, African Numero Un, highlife vocals hosted by OM with French

language talk and announcements. YL with ID at 2158 and more

- announcements. At 2200 time pips, ID and OM with the nx Fair in FF, 22/3, RDA
- 9600 2128 CHINA, CRI, gd in EE with World Weather inc Wellington with showers to clear. (perks of the free trade agreement?) Top stories No1 Bejing Olympics only 105 days to go, 26/4. RP
- 9615 2210 USA. WHRI. Fair in EE. 26/4, IC
- 9620 0250 SPAIN, REE, gd in SS, 30/4, PP
- 9625 0900 JAPAN, R.Japan-Yamata, vg in EE s/on with nx in 30 min prog, then pop music prog. 20/4, RFK
- 9660#0320 VATICAN, Vatican Radio, fair in EE with news features. ID at 0326 followed by OM giving upcoming seasonal sched. changes until cut off in mid-sentence at 0326. Carrier came back on at 0328 followed by IS. Swahili program opened at 0330 with numerous IDs and news. Signal gradually fading over time, 25/3, RDA
- 9660 0500 VATICAN. Vatican Radio, S.M. di Galeria. Good with EE Programming to Africa 25/4, FH
- 9660 0758 AUSTRALIA, Rad. Austr, Cook Isl progr, fair in EE, 26/3, DD
- 9665 1000 NORTH KOREA, KCBS, gd on Korean, 29/4, PP
- 9665 2030 SPAIN. REE, Noblejas. Fair in SS with soccer commentary, 13/4, FH.
- 9670 1000 AUSTRALIA, CVC, gd in Indonesian, 29/4, PP
- 9675 0730 BRAZIL. Radio Canção Nova, Cachoeira Paulista. F/gd in PP with religious programming. Heard on several occasions including 12/03 but sometimes mixed with CNR1, FH
- 9675 1005 BRAZIL, Rad.Cancao Nova, gd in PP, 29/4, PP
- 9680 1006 INDONESIA, RRI, fair in Indonesian (Malay), 29/4, PP
- 9690 0315 CHINA, CRI, gd in EE, 30/4, PP
- 9695 1000 JAPAN. NHK Radio Japan, Yamata. Good in Indonesian, 2/5, FH
- 9695 1800 POLAND, Rad.Poland, exc in Hebrew, 19/4, BW
- 9700 0209 BULGARIA, Rad.Bulgaria, gd in EE, 5/4, BW
- 9730 1920 VIETNAM, Voice of Vietnam, YL with Stn Id, gd in EE, 5/4, RP
- 9735 0337 ROMANIA, Rad.Romania, gd in EE, 4/4, BW
- 9735 0400 GERMANY. AWR via Wertachtal, VG in AA. 31/3, IC
- 9750 0316 SEYCHELLES, BBC, gd in EE, 30/4, PP
- 9765 1010 RUSSIA, VOR, v/gd in Korean, 29/4, PP
- 9780 0325 EQUADOR, HCJB, gd in GG, 30/4, PP
- 9790 0418 FRANCE, RFI, OM spkg, some QRN, //9805 with strong QRM, f/g in FF, 6/4,CC
- 9800 0229 F.GUIANA. Rad. Taiwan Int Good in SS. 11/4, IC
- 9800 0326 RUSSIA, VOR, v/gd in EE, 30/4, PP
- 9805 1408 THAILAND, Rad.Thailand, YL tlkg abt Thai history,OM with ID at 1412, f/g in EE, little distorted, 6/4, CC
- 9815 0331 GERMANY, AWR, gd in Amharic, 17/4, BW
- 9825 0327 PORTUGAL, DW, gd in GG, 30/4, PP
- 9835 0214 INDIA. AIR, Delhi (Khampur) s/on in Pashto, good level, 11/04.\, FH
- 9840 1013 VIETNAM, VOV, with nx, gd in EE, 29/4, PP
- 9850 1016 NORTH KOREA, VOK, gd in EE, 29/4, PP
- 9855 0800 NETHERLANDS ANTILLES Deutsche Welle via Bonaire to South Pacific,

		very strong in GG 28/4. Opens abruptly and straight into news. BCM
9855	0845	NETH ANTILLES, DW, v/gd in GG, 15/4, IC
9860	0330	RUSSIA, VOR, fair in EE, 30/4, PP

- 9900 1345 GUAM. KTWR. VG in Santhali. 5/4, IC
- 9905 0300 IRAN, irib, via Kalamabad, v/gd in SS to s/off at 0327, 7/5, DL
- 9905 0329 IRAN. IRIB via Sirjan v/gd with s/on in Kurdish to 0427, 7/5 DL
- 9915 0115 EGYPT. Radio Cairo. Fair in SS. 6/4
- 11540 1545 MARIANAS Isl, RFA, with mx, gd in Mandarin, 17/4, DD
- 11550 1609 TAIWAN, Rad. Taiwan, with nx, gd in EE, 4/4, DD
- 11565 0800 USA World Harvest Radio Stn Id + add PO Box 12 South Bend Indiana 126624 USA, Religious Prgm, v/gd in EE, 25/4 RP
- 11570 1435 GUAM, KTWR, v/gd in Korean, 8/4, BW
- 11600 1600 FRANCE. Rad Taiwan Int, via Issouden. Good in EE. 19/4, IC
- 11620 1414 INDIA, AIR, Fem vocalist, gd in EE, //9690,13710 same, 20/4, CC
- 11625 0650 VATICAN, Vatican Rad, gd in EE, close at 0700, 12/4, DD
- 11625 2028 SPAIN, REE, sports pages results prgm, gd in EE, 8/4, RP
- 11660 1714 GERMANY, AWR, v/gd in AA, 16/4, BW
- 11660 1932 FRANCE, RNW, gd in EE, 12/4, BW
- 11695 2320 AUSTRALIA, Rad. Austr. good in Indonesian, 13/4, JFF
- 11715# 2214 SAUDI ARABIA, BSKSA, OM with talk in Arabic followed by long recitation in Holy Qu'ran program. Fair in AA. 23/3 RDA
- 11725 0527 NEW ZEALAND, RNZ, fair in EE, 15/4, DD
- 11725 2200 PHILIPPINES, VOA, OM talk abt Iran defence sec, Mr Gates quoted on situation gd in EE, 26/4, RP
- 11735# 1658 ROMANIA, Radio Romania Intl. Gd in IS followed by a waltz and ID as "This is Radio Romania International broadcasting in English" followed by skeds and freqs. YL with nx of Central Europe and mentions of Bulgaria, Albania and Romania. 11/04 JW.
- 11755 2000 GERMANY, AWR-Wertachtal, vg in FF at s/on, Yoruba at 2030, usual programming 08/4, RFK
- 11765 2158 GUAM, KTWR, GD IN Mandarin, 11/4, BW
- 11775 1946 ANTIGUA University Network with preaching by Dr Gene Scott, good in the clear 23/4. Deteriorating by 2055. BCM
- 11814 1947 COSTA RICA Radio Exterior de Espana relay in SS with sports report on Manchester vs Barcelona 'futbol', another off-freq transmitter causing heterodyne whine against 11815. Parallel freq 17850 also audible. Closed 2100 after time signals & frequency information, leaving Radio Brasil Central 11815 in the clear 23/4. BCM
- 11830 0530 ROMANIA, Rad.Romania, exc in EE, 5/4, BW
- 11850 1428 RUSSIA. Radio Vaticana. VG in Hindi. 8/4, IC
- 11885 2220 TAIWAN, Rad Taiwan, poor/fair in Mandarin, 19/4, DD
- 11895 2102 USA, VOA, f/gd in Creole, 16/4, DD
- 11925.1 1936 BRAZIL Radio Bandierantes poor in PP, much improved at 2100 recheck, even better by 2125 23/4. BCM
- 11945 0840 AUSTRALIA, Rad.Austr, fair in EE, 26/3, DD
- 11960 0850 CHINA, CNR-1, with mx, poor/fair in Mandarin, 26/3, DD
- 11975 1333 POLAND, Rad Poland, gd in Byelorussian, 16/4, BW

- 11980 0433 TURKEY, VOT, stringed instr.mx, gd in TT, //6040 noisy, 6/4, CC
- 11990 1440 CHINA, CRI, v/gd in Vietnamese, 10/4, DD
- 12070 0427 RUSSIA, Rad Rossi, Mx with OM repeatedly referring to rad.Rossi, gd in RR, 6/4, CC
- 12075 1334 GUAM, KTWR, fair in Assamese, 6/4, BW and 4/4, IC
- 12130 2203 GUAM, KTWR, fair in Cantonese, 8/4, BW
- 13362 U2301 GUAM, AFRTS, OM with nx, gd in EE, 17/4, CC
- 13610 0905 CHINA, CNR-1, poor in Mandarin, 26/3, DD
- 13650 0908 CHINA, CRI, poor/fair in Mandarin, 26/3, DD
- 13650 2115 CANADA, RCI, fair/gd in FF, 18/4, DD
- 13675 0715 TURKEY. VOT. Poor in TT. 5/4, IC
- 13675 1600 MARIANAS ISL, RFA, with old Chinese mx, poor in Mandarin, 17/4, DD
- 13685 1306 TURKEY, VOT, gd in EE, 4/4, BW
- 13690 0535 AUSTRALIA, Rad Austr, with sport nx, gd in EE, 15/4, DD
- 13695 1920 FRANCE, RFI, with sport comment, v/gd in FF, 20/4, DD
- 13720 2235 GUAM, KTWR, gd in Mandarin, 6/4, BW
- 13790 1430 CHINA, CRI, poor/fair in Mandarin, 10/4, DD
- 15100 0515 PAKISTAN. Radio Pakistan. Fair in Urdu.//17835 not audible. 16/4, IC
- 15110 1200 CHINA, CRI, poor/fair in Mandarin, 13/4, DD
- 15135 0935 CHINA, CRI, v/gd in Malay, 26/3, DD
- 15145 2232 PHILIPPINES, VOA, nx in special English, poor/fair in EE, 6/4, DD
- 15185 2040 USA, VOA, poor/fair in Haussa to W.Afr, 18/4, DD
- 15220 1940 AUSTRIA. AWR via Moosbrunn. Fair in FF. 9/4, IC
- 15225 0200 MARIANES ISL, R.F.A., fair in Tibetan, JFF
- 15230 0340 CHINA, CRI, gd in Mandarin, 30/4, PP
- 15255 0628 SOUTH AFRICA Channel Africa poor in EE for West Africa, fluttery propagation 10/4. BCM
- 15300 0003 GUAM, AWR, gd in Mandarin, 17/4, BW
- 15300 1932 FRANCE, RFI, with sport comment live, v/gd in FF, 20/4, DD
- 15400 1420 AUSTRALIA, HCJB, Progr."Global Australia", close 1430, poor in EE, 10/4, DD
- 15415 0000 AUSTRALIA, HCJB YL, Stn HCJB Global Voice wishes listeners good morning greeting in EE, followed by Indonesian lang prgm fair, 7/4 RP
- 15415 2239 AUSTRALIA, Rad.Austr, "learning to speak English", exc in Indonesian, 6/4, DD
- 15425 0345 CHINA, CRI, gd in RR, 30/4, PP
- 15495 0305 KUWAIT, Rad Kuwait, gd in AA, 30/4, PP
- 15500 0955 CHINA, CNR-2, fair/gd in Mandarin, 26/3, DD
- 15505 1428 KUWAIT, Rad Kuwait, OM chanting, gd in AA, //17885 scratchy, 20/4, CC
- 15515 0347 UZBEKISTAN, CVC, exc.in EE, 30/4, PP
- 15525 2300 AUSTRALIA HCJB Global Voice Orch mx, OM requesting to hear from listeners gd in EE, 30/4, RP
- 15565 0918 CHINA, CRI, poor in Mandarin, 26/3, DD
- 15615 0350 KUWAIT, Rad.Free Afghanistan, fair in Dari, 30/4, PP
- 15630 1424 GREECE, FTH, OM & YL spkg, gd in GG, //9420 stronger with QRM, 20/4, CC
- 15720 0350 NEW ZEALAND, RNZ Int, exc in EE, 30/4, PP
- 15745 0235 SRI LANKA SLBC Colombo with EE talk, music requests. Closing annots with frequencies at 0330 11/4. Poor with deep fades. BCM
- 17505 0419 CHINA, CRI, good in Hakka, 30/4, PP

		CHINA, CNR-1, gd in Mandarin, 30/4, PP NETHERLANDS ANTILLES VOA via Bonaire with FF for Africa, good but with surging fades 11/4. Prgm of music requests & dedications, ids as "La Voix du Amerique". Scheduled 1830-2030. BCM					
17560	0421						
		CHINA, CNR-1, gd in Mandarin, // 17605, 30/4, PP					
		GUAM, KSDA, v/gd in EE, 17/4, BW					
17725#	1416	LIBYA, Voice of Africa, Middle Eastern music followed by an English					
		language feature hosted by YL with music. At 1426 OM gave ID ("This					
		is the Voice of Africa from the Great Jamahiriya") prior to music features.					
		Poor in EE with deep fades. 23/3, RDA					
		AUSTRALIA, Rad.Austr, v/gd in EE, 30/4, PP					
17795	0000	AUSTRALIA Rad. Aust, nx headlines /main news Zimbabwe pres					
17000	0.407	elections fair in EE,16/4, RP					
		HAWAII, KWHR, exc in EE, 30/4, PP					
17810		JAPAN, NHK, v/gd in JJ, 30/4, PP					
		AUSTRALIA, Darwin, CVC, v/gd in Indonesian, 30/4, PP					
17830	0429	· · · · · · · · · · · · · · · · · · ·					
17845	0428						
17855	0400	CHINA, CRI-Beijing, s/on in EE gd, Nx and report with mostly local items and Olympics. 23/4. RFK					
		did Olympics. 23/4. KFN					
		Contributors this month					
<b>BCM</b>		Clark at Mangawhai with AOR7030+ and Alpha Delta Sloper, EWEs to NE					
		plus various 100 metre BOGs to the Americas					
BW		Webb, Upper Hutt, Yaesu FT757GX II, 5M longwire inside home.					
CC	Cliff Couch, Paraparaumu, Sangean ATS 803A, 60 m horiz.loop						

	and E, plus various 100 metre BOGs to the Americas
BW	Brian Webb, Upper Hutt, Yaesu FT757GX II, 5M longwire inside home.
CC	Cliff Couch, Paraparaumu, Sangean ATS 803A, 60 m horiz.loop
DD	Des Davey, Te Kuiti, FRG-100, Eton-5, 85M and 30M long wires.
DL	Dene Lynneberg, Pukerua Bay. Wellington. ICOM IC-R75, 100 metre longwire
FH	Fred Humphreys, Porirua East, Icom IC R71, 70m longwire
IC	lan Cattermole, Blenheim, JRC NRD535, Antenna T2FD, Alpha/Delta
JFF	Jack Fox, Mosgiel, Yaesu FT757, Diamond CP6 antenna.
JW	Joe Wood, Greenback TN, USA, DX 390 and 8m wire
PP	Phil van de Paverd, Howick, Icom 71E, 12.5M EWE North-East
RDA	Richard d'Angelo, Wyomissing, Ten-Tec RX-340, Eton E2, Alpha/Delta DX sloper
	RF systems Mini Windom, Datong FL3, JPS ANC-4

Ron Killick, Christchurch, Sony ICF 6800W, 40m longwire.

Please send your contributions to:
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Fax to +64-9-5346237.

Roger Pryde, Dunedin, Sangean ATS 803A, Yaesu FRG7000, 30/100m longwire, EW

RFK RP

# **ENGLISH IN TIME ORDER**



Editor Yuri (George) Muzyka Auckland

Time Order summary of Ken's BandWatch Under 9MHz & Phil'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 http://www.linradio.com/sources.htm

### **NEW ZEALAND CONTRIBUTIONS**

Time	Freq		Station	Station	Log	DXer
(UTC)	(kHz)		Name	Country	Date	Name
0000	15415f		HCJB	ECUADOR	7/4	RP
0000	17795f		Radio Australia	AUSTRALIA	16/4	RP
0105	9440g	R	Radio Slovakia Int	SLOVAKIA	6/4	IC
0130	9470g		CRI	CHINA	12/4	BW
0209	9700g		Radio Bulgaria	BULGARIA	5/4	BW
0220-0300	7270p		Radio Cairo	EGYPT	27/4	BCM
0225-0300	6110g		KBC Radio	LITHUANIA?	4/5	BCM
0235-0330	15745p		SLBC	SRI LANKA	11/4	BCM
0300	17645g		KSDA	GUAM	17/4	BW
0310	9480g		V of Russia	RUSSIA	30/4	PP
0315	9690g		CRI	CHINA	30/4	PP
0316	9750g		BBC	UK	30/4	PP
0316-0335	7440f		RUI	UKRAINE	21/4	KVB
0326	9800g		VOR	RUSSIA	30/4	PP
0330	9860f		VOR	RUSSIA	30/4	PP
0337	9735g		Radio Romania	ROMANIA	4/4	BW
0347	15515e		CVC	UZBEKISTAN?	30/4	PP
0348-0350	7425g		Radio Tirana	ALBANIA	5/4	PP
0350	15720e		RNZ Int	NZ	30/4	PP
0355	7160f		BBC	UK	30/4	PP
0359-0400	6165g	Rad	io Netherlands	NETHERLANDS	6/4	CC
0400	17855g		CRI	CHINA	23/4	RFK
0400-0405	7245f		DW	GERMANY	10/4	KVB
0413-0415	7225:7245f		D Welle	GERMANY	7/4	KAB
0417	7780f		WYFR	USA	7/4	KAB

0426         17750g         Radio Australia         AUSTRALIA         30/4         PP           0427         17800e         KWHR         HAWAII         30/4         PP           0433-0459         7811f         AFRTS         USA         6/4         KVB           0435-0538         6180f         VOA         USA         9/4         KAB           0443-0500         7120g         BBC         UK         20/4         KVB           0446         4775p         Trans World Radio         SWAZILAND?         24/4&25/4?         RN           0452-0456         6165f         RN         NETHERLANDS         14/4         KAB           0500         9660g         Vatican Radio         VATICAN CITY         25/4         FH           0501         5975g         R Japan         JAPAN         18/4         CC           0516         6180g         VOA         USA         6/4         DD           0520-0600         7375f         University Neltwork         COSTA RICA         19/4         KVB           0521-0529         7250g         Vatican R         VATICAN         6/4         VD           0532         11725f         RNZ         NZ         15/4	0420 0425-0428	7365f 6175f	WHRI V of Vietnam	USA VIETNAM	7/4 7/4	KAB KAB
0433-0459         7811f         AFRTS         USA         6/4         KVB           0443-0503         6180f         VOA         USA         9/4         KAB           0443-0500         7120g         BBC         UK         20/4         KVB           0446         4775p         Trans World Radio         SWAZILAND? 24/48:25/4?         RN           0452-0456         6165f         RN         NETHERLANDS         14/4         KAB           0500         9660g         Vatican Radio         VATICAN CITY         25/4         FH           0507-0 510         5975g         R Japan         JAPAN         18/4         CC           0516         6180g         VOA         USA         6/4         DD           0520-0600         7375f         University Network         COSTA RICA         19/4         KVB           0521-0529         7250g         Vatican R         VATICAN         6/4         DD           0530         11830e         Radio Romania         ROMANIA         5/4         BW           0532         5890p         WWCR         USA         6/4         DD           0533         13690g         Radio Australia         AUSTRALIA         15/4	0426	17750g	Radio Australia	AUSTRALIA	30/4	PP
0435-0538         6180f         VOA         USA         9/4         KAB           0443-0500         7120g         BBC         UK         20/4         KVB           0446         4775p         Trans World Radio         SWAZILAND? 24/4&25/4?         PMAZILAND? 24/4&25/4         PMAZILAND? 25/4	0427	17800e	KWHR	HAWAII	30/4	PP
0443-0500         7120g         BBC         UK         20/4         KVB           0446         4775p         Trans World Radio         SWAZILAND? 24/48/25/4?         R           0452-0456         6165f         RN         NETHERLANDS         14/4         KAB           0500         9660g         Vatican Radio         VATICAN CITY         25/4         FH           0507-0 510         5975g         R Japan         JAPAN         18/4         CC           0516         6180g         VOA         USA         6/4         DD           0520-0600         7375f         University Network         COSTA RICA         19/4         KVB           0521-0529         7250g         Vatican R         VATICAN         6/4         VD           0527         11725f         RNZ         NZ         15/4         DD           0530         11830e         Radio Romania         ROMANIA         5/4         BW           0532         5890p         WWCR         USA         6/4         DD           0533         13690g         Radio Australia         AUSTRALIA         15/4         DD           0534         5935p         University Network         USA         31/3	0433-0459	7811f	AFRTS	USA	6/4	KVB
0446 4775p Trans World Radio SWAZILAND? 24/4&25/4?  0452-0456 6165f RN NETHERLANDS 14/4 KAB  0500 9660g Vatican Radio VATICAN CITY 25/4 FH  0507-0510 5975g R Japan JAPAN 18/4 CC  0516 6180g VOA USA 6/4 DD  0520-0600 7375f University Network COSTA RICA 19/4 KVB  0521-0529 7250g Vatican R VATICAN 6/4 KVB  0521-0529 7250g Vatican R VATICAN 6/4 KVB  0521-0529 11725f RNZ NZ 15/4 DD  0530 11830e Radio Romania ROMANIA 5/4 BW  0532 5890p WWCR USA 6/4 DD  0535 13690g Radio Australia AUSTRALIA 15/4 DD  0537 5920p WYFR USA 6/4 DD  0538 5070f WWCR USA 6/4 DD  0540 5935p University Network USA 6/4 DD  0600 6165f V of Croatia CROATIA 31/3 DD  0609 6000g R Havana CUBA 31/3 DD  0615-0617 7310f D Welle GERMANY 13/4 KAB  0616 9550f Radio Habana CUBA 31/3 DD  0620 7520f WYFR USA 13/4 KAB  0625 7570g WEWN USA 13/4 KAB  0628 15255p Channel Africa STH AFRICA 10/4 BCM  0650-0700 11625g Vatican Radio VATICAN CITY 12/4 DD  0710 6105g TWR GERMANY 14/4 IC  0727 7325f Wantok R Light  PNG 21/4 KVB  0758 9660f Radio Australia AUSTRALIA 26/3 DD  0700 9625g R Japan JAPAN 20/4 RFK  0701 9700 9625g R Radio Australia AUSTRALIA 26/3 DD  0700 9625g R Japan JAPAN 20/4 RFK  0701 9700 9700 9700 WHRI USA 29/4 PP  1010 9840g VOV VIETNAM 29/4 PP  1010 9850g VOK NORTH KOREA 29/4 PP  1010 9850g VOK NORTH KOREA 29/4 PP  1010 9850g R Netherlands NETHERLANDS 26/3 DD  1000 0700 0700 R Netherlands NETHERLANDS 26/3 DD  1000 0700 9850g VOK NORTH KOREA 29/4 PP  1010 1010 9850g R Netherlands NETHERLANDS 26/3 DD  1000 0700 0700 0700 VIETNAM 26/3 DD  1000 0700 0700 0700 0700 0700 0700 070	0435-0538	6180f	VOA	USA	9/4	KAB
0452-0456         6165f         RN         NETHERLANDS         14/4         KAB           0500         9660g         Votican Radio         VATICAN CITY         25/4         FH           0507-0 510         5975g         R Japan         JAPAN         18/4         CC           0516         6180g         VOA         USA         6/4         DD           0520-0600         7375f         University Network         COSTA RICA         19/4         KVB           0521-0529         7250g         Vatican R         VATICAN         6/4         KVB           0527         11725f         RNZ         NZ         15/4         DD           0530         11830e         Radio Romania         ROMANIA         5/4         BW           0532         5890p         WWCR         USA         6/4         DD           0533         13690g         Radio Australia         AUSTRALIA         15/4         DD           0537         5920p         WYFR         USA         6/4         DD           0538         5070f         WWCR         USA         13/4         DD           0540         5935p         University Network         USA         6/4         DD </td <td>0443-0500</td> <td>•</td> <td></td> <td></td> <td></td> <td></td>	0443-0500	•				
0500         9660g         Vatican Radio         VATICAN CITY         25/4         FH           0507-0 510         5975g         R Japan         JAPAN         18/4         CC           0516         6180g         VOA         USA         6/4         DD           0520-0600         7375f         University Network         COSTA RICA         19/4         KVB           0521-0529         7250g         Vatican R         VATICAN         6/4         KVB           0527         11725f         RNZ         NZ         15/4         DD           0530         11830e         Radio Romania         ROMANIA         5/4         BW           0532         5890p         WWCR         USA         6/4         DD           0533         13690g         Radio Australia         AUSTRALIA         15/4         DD           0537         5920p         WYFR         USA         6/4         DD           0538         5070f         WWCR         USA         6/4         DD           0540         5935p         University Network         USA         31/3         DD           0600         6165f         V of Croatia         CROATIA         31/3         DD </td <td>0446</td> <td>4775p Tran</td> <td>s World Radio</td> <td>SWAZILAND? 24</td> <td>1/4&amp;25/4</td> <td>?</td>	0446	4775p Tran	s World Radio	SWAZILAND? 24	1/4&25/4	?
0507-0 510         5975g         R Japan         JAPAN         18/4         CC           0516         6180g         VOA         USA         6/4         DD           0520-0600         7375f         University Network         COSTA RICA         19/4         KVB           0521-0529         7250g         Vatican R         VATICAN         6/4         KVB           0527         11725f         RNZ         NZ         15/4         DD           0530         11830e         Radio Romania         ROMANIA         5/4         BW           0532         5890p         WWCR         USA         6/4         DD           0535         13690g         Radio Australia         AUSTRALIA         15/4         DD           0538         5070f         WWCR         USA         6/4         DD           0538         5070f         WWCR         USA         13/4         DD           0540         5935p         University Network         USA         13/4         DD           0600         6165f         V of Croatia         CROATIA         31/3         DD           0615-0617         7310f         D Welle         GERMANY         13/4         KAB	0452-0456	6165f	RN	NETHERLANDS	14/4	KAB
0516         6180g         VOA         USA         6/4         DD           0520-0600         7375f         University Network         COSTA RICA         19/4         KVB           0521-0529         7250g         Vatican R         VATICAN         6/4         KVB           0527         11725f         RNZ         NZ         15/4         DD           0530         11830e         Radio Romania         ROMANIA         5/4         BW           0532         5890p         WWCR         USA         6/4         DD           0535         13690g         Radio Australia         AUSTRALIA         15/4         DD           0537         5920p         WYFR         USA         6/4         DD           0538         5070f         WWCR         USA         13/4         DD           0540         5935p         University Network         USA         6/4         DD           0600         6165f         V of Croatia         CROATIA         31/3         DD           0615-0617         7310f         D Welle         GERMANY         13/4         KAB           0616         9550f         Radio Habana         CUBA         31/3         DD	0500		Vatican Radio	VATICAN CITY	25/4	FH
0520-0600         7375f         University Network         COSTA RICA         19/4         KVB           0521-0529         7250g         Vatican R         VATICAN         6/4         KVB           0527         11725f         RNZ         NZ         15/4         DD           0530         11830e         Radio Romania         ROMANIA         5/4         BW           0532         5890p         WWCR         USA         6/4         DD           0535         13690g         Radio Australia         AUSTRALIA         15/4         DD           0537         5920p         WYFR         USA         6/4         DD           0538         5070f         WWCR         USA         13/4         DD           0540         5935p         University Network         USA         6/4         DD           0640         5935p         University Network         USA         6/4         DD           0640         5935p         University Network         USA         6/4         DD           0640         5935p         University Network         USA         13/4         KAB           0616         5935p         University Network         USA         13/4	0507-0 510	5975g	R Japan	JAPAN	18/4	CC
0521-0529         7250g         Vatican R         VATICAN         6/4         KVB           0527         11725f         RNZ         NZ         15/4         DD           0530         11830e         Radio Romania         ROMANIA         5/4         BW           0532         5890p         WWCR         USA         6/4         DD           0535         13690g         Radio Australia         AUSTRALIA         15/4         DD           0537         5920p         WYFR         USA         6/4         DD           0538         5070f         WWCR         USA         13/4         DD           0540         5935p         University Network         USA         6/4         DD           0600         6165f         V of Croatia         CROATIA         31/3         DD           0610         60165f         V of Croatia         CROATIA         31/3         DD           0616         9550f         Radio Habana         CUBA         31/3         DD           0616         9550f         Radio Habana         CUBA         31/4         KAB           0625         7570g         WEWN         USA         13/4         KAB <tr< td=""><td>0516</td><td></td><td></td><td>USA</td><td>6/4</td><td>DD</td></tr<>	0516			USA	6/4	DD
0527         11725f         RNZ         NZ         15/4         DD           0530         11830e         Radio Romania         ROMANIA         5/4         BW           0532         5890p         WWCR         USA         6/4         DD           0535         13690g         Radio Australia         AUSTRALIA         15/4         DD           0537         5920p         WYFR         USA         6/4         DD           0538         5070f         WWCR         USA         13/4         DD           0540         5935p         University Network         USA         6/4         DD           0600         6165f         V of Croatia         CROATIA         31/3         DD           0609         6000g         R Havana         CUBA         31/3         DD           0615-0617         7310f         D Welle         GERMANY         13/4         KAB           0616         9550f         Radio Habana         CUBA         31/3         DD           0620         7520f         WYFR         USA         13/4         KAB           0625         7570g         WEWN         USA         13/4         KAB           0628	0520-0600	7375f Univ	versity Network	COSTA RICA	19/4	KVB
0530         11830e         Radio Romania         ROMANIA         5/4         BW           0532         5890p         WWCR         USA         6/4         DD           0535         13690g         Radio Australia         AUSTRALIA         15/4         DD           0537         5920p         WYFR         USA         6/4         DD           0538         5070f         WWCR         USA         13/4         DD           0540         5935p         University Network         USA         6/4         DD           0600         6165f         V of Croatia         CROATIA         31/3         DD           0609         6000g         R Havana         CUBA         31/3         DD           0615-0617         7310f         D Welle         GERMANY         13/4         KAB           0616         9550f         Radio Habana         CUBA         31/3         DD           0620         7520f         WYFR         USA         13/4         KAB           0625         7570g         WEWN         USA         13/4         KAB           0628         15255p         Channel Africa         STH AFRICA         10/4         BCM      <	0521-0529	7250g	Vatican R	VATICAN	6/4	KVB
0532         5890p         WWCR         USA         6/4         DD           0535         13690g         Radio Australia         AUSTRALIA         15/4         DD           0537         5920p         WYFR         USA         6/4         DD           0538         5070f         WWCR         USA         13/4         DD           0540         5935p         University Network         USA         6/4         DD           0600         6165f         V of Croatia         CROATIA         31/3         DD           0609         6000g         R Havana         CUBA         31/3         DD           0615-0617         7310f         D Welle         GERMANY         13/4         KAB           0616         9550f         Radio Habana         CUBA         31/3         DD           0620         7520f         WYFR         USA         13/4         KAB           0620         7520f         WYFR         USA         13/4         KAB           0628         15255p         Channel Africa         STH AFRICA         10/4         BCM           0650-0700         11625g         Vatican Radio         VATICAN CITY         12/4         DD	0527	11725f	RNZ	NZ	15/4	DD
0535         1369 og         Radio Australia         AUSTRALIA         15/4         DD           0537         5920p         WYFR         USA         6/4         DD           0538         5070f         WWCR         USA         13/4         DD           0540         5935p         University Network         USA         6/4         DD           0600         6165f         V of Croatia         CROATIA         31/3         DD           0609         6000g         R Havana         CUBA         31/3         DD           0615-0617         7310f         D Welle         GERMANY         13/4         KAB           0616         9550f         Radio Habana         CUBA         31/3         DD           0620         7520f         WYFR         USA         13/4         KAB           0625         7570g         WEWN         USA         13/4         KAB           0625         7570g         WEWN         USA         13/4         KAB           0625         7570g         WEWN         USA         13/4         KAB           0650-0700         11625g         Vatican Radio         VATICAN CITY         12/4         DD	0530	11830e	Radio Romania	ROMANIA	5/4	BW
0537         5920p         WYFR         USA         6/4         DD           0538         5070f         WWCR         USA         13/4         DD           0540         5935p         University Network         USA         6/4         DD           0600         6165f         V of Croatia         CROATIA         31/3         DD           0609         6000g         R Havana         CUBA         31/3         DD           0615-0617         7310f         D Welle         GERMANY         13/4         KAB           0616         9550f         Radio Habana         CUBA         31/3         DD           0620         7520f         WYFR         USA         13/4         KAB           0625         7570g         WEWN         USA         13/4         KAB           0628         15255p         Channel Africa         STH AFRICA         10/4         BCM           0650-0700         11625g         Vatican Radio         VATICAN CITY         12/4         DD           0710         6105g         TWR         GERMANY         1/4         IC           0727         7325f         Wantok R Light         PNG         21/4         KVB <td>0532</td> <td>5890p</td> <td>WWCR</td> <td>USA</td> <td>6/4</td> <td>DD</td>	0532	5890p	WWCR	USA	6/4	DD
0538         5070f         WWCR         USA         13/4         DD           0540         5935p         University Network         USA         6/4         DD           0600         6165f         V of Croatia         CROATIA         31/3         DD           0609         6000g         R Havana         CUBA         31/3         DD           0615-0617         7310f         D Welle         GERMANY         13/4         KAB           0616         9550f         Radio Habana         CUBA         31/3         DD           0620         7520f         WYFR         USA         13/4         KAB           0625         7570g         WEWN         USA         13/4         KAB           0628         15255p         Channel Africa         STH AFRICA         10/4         BCM           0650-0700         11625g         Vatican Radio         VATICAN CITY         12/4         DD           0710         6105g         TWR         GERMANY         1/4         IC           0727         7325f         Wantok R Light         PNG         21/4         KVB           0758         9660f         Radio Australia         AUSTRALIA         26/3 <t< td=""><td>0535</td><td>13690g</td><td>Radio Australia</td><td>AUSTRALIA</td><td>15/4</td><td>DD</td></t<>	0535	13690g	Radio Australia	AUSTRALIA	15/4	DD
0540         5935p         University Network         USA         6/4         DD           0600         6165f         V of Croatia         CROATIA         31/3         DD           0609         6000g         R Havana         CUBA         31/3         DD           0615-0617         7310f         D Welle         GERMANY         13/4         KAB           0616         9550f         Radio Habana         CUBA         31/3         DD           0620         7520f         WYFR         USA         13/4         KAB           0625         7570g         WEWN         USA         13/4         KAB           0628         15255p         Channel Africa         STH AFRICA         10/4         BCM           0650-0700         11625g         Vatican Radio         VATICAN CITY         12/4         DD           0710         6105g         TWR         GERMANY         1/4         IC           0727         7325f         Wantok R Light         PNG         21/4         KVB           0758         9660f         Radio Australia         AUSTRALIA         26/3         DD           0823-0825         7145f         RNZ         NZ         NZ         <	0537	5920p	WYFR	USA	6/4	DD
0600         6165f         V of Croatia         CROATIA         31/3         DD           0609         6000g         R Havana         CUBA         31/3         DD           0615-0617         7310f         D Welle         GERMANY         13/4         KAB           0616         9550f         Radio Habana         CUBA         31/3         DD           0620         7520f         WYFR         USA         13/4         KAB           0625         7570g         WEWN         USA         13/4         KAB           0628         15255p         Channel Africa         STH AFRICA         10/4         BCM           0650-0700         11625g         Vatican Radio         VATICAN CITY         12/4         DD           0710         6105g         TWR         GERMANY         1/4         IC           0727         7325f         Wantok R Light         PNG         21/4         KVB           0758         9660f         Radio Australia         AUSTRALIA         26/3         DD           0823-0825         7145f         RNZ         NZ         NZ         1/4         DD           0840         11945f         Radio Australia         AUSTRALIA	0538	5070f	WWCR	USA	13/4	DD
0609         6000g         R Havana         CUBA         31/3         DD           0615-0617         7310f         D Welle         GERMANY         13/4         KAB           0616         9550f         Radio Habana         CUBA         31/3         DD           0620         7520f         WYFR         USA         13/4         KAB           0625         7570g         WEWN         USA         13/4         KAB           0628         15255p         Channel Africa         STH AFRICA         10/4         BCM           0650-0700         11625g         Vatican Radio         VATICAN CITY         12/4         DD           0710         6105g         TWR         GERMANY         1/4         IC           0727         7325f         Wantok R Light         PNG         21/4         KVB           0758         9660f         Radio Australia         AUSTRALIA         26/3         DD           0800         11565g         World Harvest Radio         USA         25/4         RP           0823-0825         7145f         RNZ         NZ         1/4         DD           0840         11945f         Radio Australia         AUSTRALIA         26/3	0540	5935p Unive	rsity Network	USA	6/4	DD
0615-0617         7310f         D Welle         GERMANY         13/4         KAB           0616         9550f         Radio Habana         CUBA         31/3         DD           0620         7520f         WYFR         USA         13/4         KAB           0625         7570g         WEWN         USA         13/4         KAB           0628         15255p         Channel Africa         STH AFRICA         10/4         BCM           0650-0700         11625g         Vatican Radio         VATICAN CITY         12/4         DD           0710         6105g         TWR         GERMANY         1/4         IC           0727         7325f         Wantok R Light         PNG         21/4         KVB           0758         9660f         Radio Australia         AUSTRALIA         26/3         DD           0800         11565g         World Harvest Radio         USA         25/4         RP           0823-0825         7145f         RNZ         NZ         10/4         KVB           0831         7145g         RAGIO Australia         AUSTRALIA         26/3         DD           0900         9625g         R Japan         JAPAN         20/4 <td>0600</td> <td>6165f</td> <td>V of Croatia</td> <td>CROATIA</td> <td>31/3</td> <td>DD</td>	0600	6165f	V of Croatia	CROATIA	31/3	DD
0616         9550f         Radio Habana         CUBA         31/3         DD           0620         7520f         WYFR         USA         13/4         KAB           0625         7570g         WEWN         USA         13/4         KAB           0628         15255p         Channel Africa         STH AFRICA         10/4         BCM           0650-0700         11625g         Vatican Radio         VATICAN CITY         12/4         DD           0710         6105g         TWR         GERMANY         1/4         IC           0727         7325f         Wantok R Light         PNG         21/4         KVB           0758         9660f         Radio Australia         AUSTRALIA         26/3         DD           0800         11565g         World Harvest Radio         USA         25/4         RP           0823-0825         7145f         RNZ         NZ         10/4         KVB           0831         7145g         RNZI         NZ         1/4         DD           0840         11945f         Radio Australia         AUSTRALIA         26/3         DD           0914         7324.96         Wantok Radio Light         PNG         21/4	0609	6000g	R Havana	CUBA	31/3	DD
0620         7520f         WYFR         USA         13/4         KAB           0625         7570g         WEWN         USA         13/4         KAB           0628         15255p         Channel Africa         STH AFRICA         10/4         BCM           0650-0700         11625g         Vatican Radio         VATICAN CITY         12/4         DD           0710         6105g         TWR         GERMANY         1/4         IC           0727         7325f         Wantok R Light         PNG         21/4         KVB           0758         9660f         Radio Australia         AUSTRALIA         26/3         DD           0800         11565g         World Harvest Radio         USA         25/4         RP           0823-0825         7145f         RNZ         NZ         10/4         KVB           0831         7145g         RNZI         NZ         1/4         DD           0840         11945f         Radio Australia         AUSTRALIA         26/3         DD           0914         7324.96         Wantok Radio Light         PNG         21/4         BCM           0950         7315g         WHRI         USA         1/4 <t< td=""><td>0615-0617</td><td>7310f</td><td>D Welle</td><td>GERMANY</td><td>13/4</td><td>KAB</td></t<>	0615-0617	7310f	D Welle	GERMANY	13/4	KAB
0625         7570g         WEWN         USA         13/4         KAB           0628         15255p         Channel Africa         STH AFRICA         10/4         BCM           0650-0700         11625g         Vatican Radio         VATICAN CITY         12/4         DD           0710         6105g         TWR         GERMANY         1/4         IC           0727         7325f         Wantok R Light         PNG         21/4         KVB           0758         9660f         Radio Australia         AUSTRALIA         26/3         DD           0800         11565g         World Harvest Radio         USA         25/4         RP           0823-0825         7145f         RNZ         NZ         10/4         KVB           0831         7145g         RNZI         NZ         1/4         DD           0840         11945f         Radio Australia         AUSTRALIA         26/3         DD           0900         9625g         R Japan         JAPAN         20/4         RFK           0914         7324.96         Wantok Radio Light         PNG         21/4         BCM           0950         7315g         WHRI         USA         1/4	0616	9550f	Radio Habana	CUBA	31/3	DD
0628         15255p         Channel Africa         STH AFRICA         10/4         BCM           0650-0700         11625g         Vatican Radio         VATICAN CITY         12/4         DD           0710         6105g         TWR         GERMANY         1/4         IC           0727         7325f         Wantok R Light         PNG         21/4         KVB           0758         9660f         Radio Australia         AUSTRALIA         26/3         DD           0800         11565g         World Harvest Radio         USA         25/4         RP           0823-0825         7145f         RNZ         NZ         10/4         KVB           0831         7145g         RNZI         NZ         1/4         DD           0840         11945f         Radio Australia         AUSTRALIA         26/3         DD           0900         9625g         R Japan         JAPAN         20/4         RFK           0914         7324.96         Wantok Radio Light         PNG         21/4         BCM           0950         7315g         WHRI         USA         1/4         DD           0954         9450g:9465         WYFR         USA         29/4	0620	7520f	WYFR	USA	13/4	KAB
0650-0700         11625g         Vatican Radio         VATICAN CITY         12/4         DD           0710         6105g         TWR         GERMANY         1/4         IC           0727         7325f         Wantok R Light         PNG         21/4         KVB           0758         9660f         Radio Australia         AUSTRALIA         26/3         DD           0800         11565g         World Harvest Radio         USA         25/4         RP           0823-0825         7145f         RNZ         NZ         10/4         KVB           0831         7145g         RNZI         NZ         1/4         DD           0840         11945f         Radio Australia         AUSTRALIA         26/3         DD           0900         9625g         R Japan         JAPAN         20/4         RFK           0914         7324.96         Wantok Radio Light         PNG         21/4         BCM           0950         7315g         WHRI         USA         1/4         DD           0954         9450g:9465         WYFR         USA         29/4         PP           1013         9840g         VOV         VIETNAM         29/4         PP <td>0625</td> <td>7570g</td> <td>WEWN</td> <td>USA</td> <td>13/4</td> <td>KAB</td>	0625	7570g	WEWN	USA	13/4	KAB
0710         6105g         TWR         GERMANY         1/4         IC           0727         7325f         Wantok R Light         PNG         21/4         KVB           0758         9660f         Radio Australia         AUSTRALIA         26/3         DD           0800         11565g         World Harvest Radio         USA         25/4         RP           0823-0825         7145f         RNZ         NZ         10/4         KVB           0831         7145g         RNZI         NZ         1/4         DD           0840         11945f         Radio Australia         AUSTRALIA         26/3         DD           0900         9625g         R Japan         JAPAN         20/4         RFK           0914         7324.96         Wantok Radio Light         PNG         21/4         BCM           0950         7315g         WHRI         USA         1/4         DD           0954         9450g:9465         WYFR         USA         29/4         PP           1013         9840g         VOV         VIETNAM         29/4         PP           1016         9850g         VOK         NORTH KOREA         29/4         PP	0628	15255p	Channel Africa	STH AFRICA	10/4	BCM
0727         7325f         Wantok R Light         PNG         21/4         KVB           0758         9660f         Radio Australia         AUSTRALIA         26/3         DD           0800         11565g         World Harvest Radio         USA         25/4         RP           0823-0825         7145f         RNZ         NZ         10/4         KVB           0831         7145g         RNZI         NZ         1/4         DD           0840         11945f         Radio Australia         AUSTRALIA         26/3         DD           0900         9625g         R Japan         JAPAN         20/4         RFK           0914         7324.96         Wantok Radio Light         PNG         21/4         BCM           0950         7315g         WHRI         USA         1/4         DD           0954         9450g:9465         WYFR         USA         29/4         PP           1013         9840g         VOV         VIETNAM         29/4         PP           1016         9850g         VOK         NORTH KOREA         29/4         PP           1018         7135f         CRI         CHINA         26/3         DD      <	0650-0700	11625g	Vatican Radio	VATICAN CITY	12/4	DD
0758         9660f         Radio Australia         AUSTRALIA         26/3         DD           0800         11565g         World Harvest Radio         USA         25/4         RP           0823-0825         7145f         RNZ         NZ         10/4         KVB           0831         7145g         RNZI         NZ         1/4         DD           0840         11945f         Radio Australia         AUSTRALIA         26/3         DD           0900         9625g         R Japan         JAPAN         20/4         RFK           0914         7324.96         Wantok Radio Light         PNG         21/4         BCM           0950         7315g         WHRI         USA         1/4         DD           0954         9450g:9465         WYFR         USA         29/4         PP           1013         9840g         VOV         VIETNAM         29/4         PP           1016         9850g         VOK         NORTH KOREA         29/4         PP           1018         7135f         CRI         CHINA         26/3         DD           1030         6040g         R Netherlands         NETHERLANDS         26/3         DD	0710	6105g	TWR	GERMANY	1/4	IC
0800         11565g         World Harvest Radio         USA         25/4         RP           0823-0825         7145f         RNZ         NZ         10/4         KVB           0831         7145g         RNZI         NZ         1/4         DD           0840         11945f         Radio Australia         AUSTRALIA         26/3         DD           0900         9625g         R Japan         JAPAN         20/4         RFK           0914         7324.96         Wantok Radio Light         PNG         21/4         BCM           0950         7315g         WHRI         USA         1/4         DD           0954         9450g:9465         WYFR         USA         29/4         PP           1013         9840g         VOV         VIETNAM         29/4         PP           1016         9850g         VOK         NORTH KOREA         29/4         PP           1018         7135f         CRI         CHINA         26/3         DD           1030         6040g         R Netherlands         NETHERLANDS         26/3         DD	0727	7325f	Wantok R Light	PNG	21/4	KVB
0823-0825         7145f         RNZ         NZ         10/4         KVB           0831         7145g         RNZI         NZ         1/4         DD           0840         11945f         Radio Australia         AUSTRALIA         26/3         DD           0900         9625g         R Japan         JAPAN         20/4         RFK           0914         7324.96         Wantok Radio Light         PNG         21/4         BCM           0950         7315g         WHRI         USA         1/4         DD           0954         9450g:9465         WYFR         USA         29/4         PP           1013         9840g         VOV         VIETNAM         29/4         PP           1016         9850g         VOK         NORTH KOREA         29/4         PP           1018         7135f         CRI         CHINA         26/3         DD           1030         6040g         R Netherlands         NETHERLANDS         26/3         DD	0758	9660f	Radio Australia	AUSTRALIA	26/3	DD
0831         7145g         RNZI         NZ         1/4         DD           0840         11945f         Radio Australia         AUSTRALIA         26/3         DD           0900         9625g         R Japan         JAPAN         20/4         RFK           0914         7324.96         Wantok Radio Light         PNG         21/4         BCM           0950         7315g         WHRI         USA         1/4         DD           0954         9450g:9465         WYFR         USA         29/4         PP           1013         9840g         VOV         VIETNAM         29/4         PP           1016         9850g         VOK         NORTH KOREA         29/4         PP           1018         7135f         CRI         CHINA         26/3         DD           1030         6040g         R Netherlands         NETHERLANDS         26/3         DD	0800	11565g Wor	'ld Harvest Radio	USA	25/4	RP
0840         11945f         Radio Australia         AUSTRALIA         26/3         DD           0900         9625g         R Japan         JAPAN         20/4         RFK           0914         7324.96         Wantok Radio Light         PNG         21/4         BCM           0950         7315g         WHRI         USA         1/4         DD           0954         9450g:9465         WYFR         USA         29/4         PP           1013         9840g         VOV         VIETNAM         29/4         PP           1016         9850g         VOK         NORTH KOREA         29/4         PP           1018         7135f         CRI         CHINA         26/3         DD           1030         6040g         R Netherlands         NETHERLANDS         26/3         DD	0823-0825	7145f	RNZ	NZ	10/4	KVB
0900       9625g       R Japan       JAPAN       20/4       RFK         0914       7324.96       Wantok Radio Light       PNG       21/4       BCM         0950       7315g       WHRI       USA       1/4       DD         0954       9450g:9465       WYFR       USA       29/4       PP         1013       9840g       VOV       VIETNAM       29/4       PP         1016       9850g       VOK       NORTH KOREA       29/4       PP         1018       7135f       CRI       CHINA       26/3       DD         1030       6040g       R Netherlands       NETHERLANDS       26/3       DD	0831	7145g	RNZI	NZ	1/4	DD
0914       7324.96       Wantok Radio Light       PNG       21/4       BCM         0950       7315g       WHRI       USA       1/4       DD         0954       9450g:9465       WYFR       USA       29/4       PP         1013       9840g       VOV       VIETNAM       29/4       PP         1016       9850g       VOK       NORTH KOREA       29/4       PP         1018       7135f       CRI       CHINA       26/3       DD         1030       6040g       R Netherlands       NETHERLANDS       26/3       DD	0840	11945f	Radio Australia	AUSTRALIA	26/3	DD
0950       7315g       WHRI       USA       1/4       DD         0954       9450g:9465       WYFR       USA       29/4       PP         1013       9840g       VOV       VIETNAM       29/4       PP         1016       9850g       VOK       NORTH KOREA       29/4       PP         1018       7135f       CRI       CHINA       26/3       DD         1030       6040g       R Netherlands       NETHERLANDS       26/3       DD	0900	9625g	R Japan	JAPAN	20/4	RFK
0954       9450g:9465       WYFR       USA       29/4       PP         1013       9840g       VOV       VIETNAM       29/4       PP         1016       9850g       VOK       NORTH KOREA       29/4       PP         1018       7135f       CRI       CHINA       26/3       DD         1030       6040g       R Netherlands       NETHERLANDS       26/3       DD	0914	7324.96 Wan	tok Radio Light	PNG	21/4	BCM
1013         9840g         VOV         VIETNAM         29/4         PP           1016         9850g         VOK         NORTH KOREA         29/4         PP           1018         7135f         CRI         CHINA         26/3         DD           1030         6040g         R Netherlands         NETHERLANDS         26/3         DD	0950	7315g	WHRI	USA	1/4	DD
1013         9840g         VOV         VIETNAM         29/4         PP           1016         9850g         VOK         NORTH KOREA         29/4         PP           1018         7135f         CRI         CHINA         26/3         DD           1030         6040g         R Netherlands         NETHERLANDS         26/3         DD	0954	9450g:9465	WYFR	USA	29/4	PP
1018         7135f         CRI         CHINA         26/3         DD           1030         6040g         R Netherlands         NETHERLANDS         26/3         DD	1013		VOV	VIETNAM	29/4	PP
1030 6040g R Netherlands NETHERLANDS 26/3 DD	1016	9850g	VOK	NORTH KOREA	29/4	PP
1030 6040g R Netherlands NETHERLANDS 26/3 DD		•				
· · · · · · · · · · · · · · · · · · ·		6040g	R Netherlands	NETHERLANDS		
				UK		

1123-1132
1148-1158         7445f         RTI         TAIWAN         8/4         KVB           1200         6140f         VOA         USA         27/4         IC           1300         9290f         European Music Radio         LATVIA?         4/5         DL           1306         13685g         VOT         TURKEY         4/4         BW           1308         9260g         CRI         CHINA         13/4         BW           1330         5995g         CRI         CHINA         13/4         BW           1350         6020g         R Australia         AUSTRALIA         10/4         DD           1408-1412         9805g         Radio Thailand         THAILAND         6/4         CC           1414         9690g:11620g:13710g         AIR         INDIA         20/4         CC           1420-1430         15400p         HCJB         ECUADOR         10/4         DD           1600         11600g         Radio Taiwan Int         TAIWAN         19/4         IC           1609         11550g         Radio Taiwan Int         TAIWAN         4/4         DD           1625-1635         7370g         VOIRI         IRAN         17/4         D
1200         6140f         VOA         USA         27/4         IC           1300         9290f         European Music Radio         LATVIA?         4/5         DL           1306         13685g         VOT         TURKEY         4/4         BW           1308         9260g         CRI         CHINA         13/4         BW           1330         5995g         CRI         CHINA         13/4         BW           1350         6020g         R Australia         AUSTRALIA         10/4         DD           1408-1412         9805g         Radio Thailand         THAILAND         6/4         CC           1414         9690g:11620g:13710g         AIR         INDIA         20/4         CC           1414         9690g:11620g:13710g         AIR         INDIA         20/4         CC           1414         9690g:11620g:13710g         AIR         INDIA         20/4         CC           1420-1430         15400p         HCJB         ECUADOR         10/4         DD           1600         11650g         Radio Taiwan Int         TAIWAN         19/4         IC           1609         11550g         Radio Taiwan         TAIWAN         17/4
1300         9290f         European Music Radio         LATVIA?         4/5         DL           1306         13685g         VOT         TURKEY         4/4         BW           1308         9260g         CRI         CHINA         13/4         BW           1330         5995g         CRI         CHINA         13/4         BW           1350         6020g         R Australia         AUSTRALIA         10/4         DD           1408-1412         9805g         Radio Thailand         THAILAND         6/4         CC           1414         9690g:11620g:13710g         AIR         INDIA         20/4         CC           14140-1430         15400p         HCJB         ECUADOR         10/4         DD           1600         11600g         Radio Taiwan Int         TAIWAN         19/4         IC           1609         11550g         Radio Taiwan         TAIWAN         4/4         DD           1625-1635         7370g         VOIRI         IRAN         17/4         DD           1634         6200f         CRI         CHINA         17/4         DD           1753         7265f         Polish Radio Int         POLAND         26/4
1306         13685g         VOT         TURKEY         4/4         BW           1308         9260g         CRI         CHINA         13/4         BW           1330         5995g         CRI         CHINA         13/4         BW           1350         6020g         R Australia         AUSTRALIA         10/4         DD           1408-1412         9805g         Radio Thailand         THAILAND         6/4         CC           1414         9690g:11620g:13710g         AIR         INDIA         20/4         CC           1420-1430         15400p         HCJB         ECUADOR         10/4         DD           1600         11600g         Radio Taiwan Int         TAIWAN         19/4         IC           1609         11550g         Radio Taiwan Int         TAIWAN         4/4         DD           1625-1635         7370g         VOIRI         IRAN         17/4         DD           1634         6200f         CRI         CHINA         17/4         DD           1753         7265f         Polish Radio Int         POLAND         26/4         CC           1802         3965f         R Taiwan Int         TAIWAN         26/4 <td< td=""></td<>
1308         9260g         CRI         CHINA         13/4         BW           1330         5995g         CRI         CHINA         13/4         BW           1350         6020g         R Australia         AUSTRALIA         10/4         DD           1408-1412         9805g         Radio Thailand         THAILAND         6/4         CC           1414         9690g:11620g:13710g         AIR         INDIA         20/4         CC           1420-1430         15400p         HCJB         ECUADOR         10/4         DD           1600         11600g         Radio Taiwan Int         TAIWAN         19/4         IC           1609         11550g         Radio Taiwan Int         TAIWAN         4/4         DD           1625-1635         7370g         VOIRI         IRAN         17/4         DD           1634         6200f         CRI         CHINA         17/4         DD           1640         6070p         CRI         CHINA         17/4         DD           1753         7265f         Polish Radio Int         POLAND         26/4         CC           1825-1855         7380p         BBC         UK         19/4         KVB
1330         5995g         CRI         CHINA         13/4         BW           1350         6020g         R Australia         AUSTRALIA         10/4         DD           1408-1412         9805g         Radio Thailand         THAILAND         6/4         CC           1414         9690g:11620g:13710g         AIR         INDIA         20/4         CC           1420-1430         15400p         HCJB         ECUADOR         10/4         DD           1600         11600g         Radio Taiwan Int         TAIWAN         19/4         IC           1609         11550g         Radio Taiwan         TAIWAN         4/4         DD           1625-1635         7370g         VOIRI         IRAN         17/4         DD           1634         6200f         CRI         CHINA         17/4         DD           1640         6070p         CRI         CHINA         17/4         DD           1753         7265f         Polish Radio Int         POLAND         26/4         CC           1802         3965f         R Taiwan Int         TAIWAN         26/4         CC           1825-1855         7380p         BBC         UK         19/4         KV
1350         6020g         R Australia         AUSTRALIA         10/4         DD           1408-1412         9805g         Radio Thailand         THAILAND         6/4         CC           1414         9690g:11620g:13710g         AIR         INDIA         20/4         CC           1420-1430         15400p         HCJB         ECUADOR         10/4         DD           1600         11600g         Radio Taiwan Int         TAIWAN         19/4         IC           1609         11550g         Radio Taiwan TAIWAN         4/4         DD           1625-1635         7370g         VOIRI         IRAN         17/4         DD           1634         6200f         CRI         CHINA         17/4         DD           1640         6070p         CRI         CHINA         17/4         DD           1753         7265f         Polish Radio Int         POLAND         26/4         CC           1802         3965f         R Taiwan Int         TAIWAN         26/4         CC           1825-1855         7380p         BBC         UK         19/4         KVB           1840         6110p         VOA         USA         9/4         DD
1408-1412         9805g         Radio Thailand         THAILAND         6/4         CC           1414         9690g:11620g:13710g         AIR         INDIA         20/4         CC           1420-1430         15400p         HCJB         ECUADOR         10/4         DD           1600         11600g         Radio Taiwan Int         TAIWAN         19/4         IC           1609         11550g         Radio Taiwan         TAIWAN         4/4         DD           1625-1635         7370g         VOIRI         IRAN         17/4         DD           1634         6200f         CRI         CHINA         17/4         DD           1634         6200f         CRI         CHINA         17/4         DD           1640         6070p         CRI         CHINA         17/4         DD           1753         7265f         Polish Radio Int         POLAND         26/4         CC           1802         3965f         R Taiwan Int         TAIWAN         26/4         CC           1825-1855         7380p         BBC         UK         19/4         KVB           1830         6080p         R Australia         AUSTRALIA         9/4         DD
1414         9690g:11620g:13710g         AIR         INDIA         20/4         CC           1420-1430         15400p         HCJB         ECUADOR         10/4         DD           1600         11600g         Radio Taiwan Int TAIWAN         19/4         IC           1609         11550g         Radio Taiwan TAIWAN         4/4         DD           1625-1635         7370g         VOIRI         IRAN         17/4         DD           1634         6200f         CRI         CHINA         17/4         DD           1640         6070p         CRI         CHINA         17/4         DD           1753         7265f         Polish Radio Int         POLAND         26/4         CC           1802         3965f         R Taiwan Int         TAIWAN         26/4         CC           1825-1855         7380p         BBC         UK         19/4         KVB           1830         6080p         R Australia         AUSTRALIA         9/4         DD           1848         7240f         RA         AUSTRALIA         21/4         KVB           1900         6130g         Bible Voice BC         AUSTRALIA         6/4         IC           <
1420-1430         15400p         HCJB         ECUADOR         10/4         DD           1600         11600g         Radio Taiwan Int TAIWAN         19/4         IC           1609         11550g         Radio Taiwan         TAIWAN         4/4         DD           1625-1635         7370g         VOIRI         IRAN         17/4         DD           1634         6200f         CRI         CHINA         17/4         DD           1640         6070p         CRI         CHINA         17/4         DD           1753         7265f         Polish Radio Int         POLAND         26/4         CC           1802         3965f         R Taiwan Int         TAIWAN         26/4         CC           1825-1855         7380p         BBC         UK         19/4         KVB           1830         6080p         R Australia         AUSTRALIA         9/4         DD           1840         6110p         VOA         USA         9/4         DD           1848         7240f         RA         AUSTRALIA         21/4         KVB           1900         7155g         R Thailand         THAILAND         6/4         IC           19
1600         11600g         Radio Taiwan Int TAIWAN         19/4         IC           1609         11550g         Radio Taiwan         TAIWAN         4/4         DD           1625-1635         7370g         VOIRI         IRAN         17/4         DD           1634         6200f         CRI         CHINA         17/4         DD           1640         6070p         CRI         CHINA         17/4         DD           1753         7265f         Polish Radio Int         POLAND         26/4         CC           1802         3965f         R Taiwan Int         TAIWAN         26/4         CC           1825-1855         7380p         BBC         UK         19/4         KVB           1830         6080p         R Australia         AUSTRALIA         9/4         DD           1840         6110p         VOA         USA         9/4         DD           1848         7240f         RA         AUSTRALIA         6/4         IC           1900         6130g         Bible Voice BC         AUSTRALIA         6/4         KVB           1910-1955         4940f:17895         VOA         USA         23/4         BCM           <
1609         11550g         Radio Taiwan         TAIWAN         4/4         DD           1625-1635         7370g         VOIRI         IRAN         17/4         DD           1634         6200f         CRI         CHINA         17/4         DD           1640         6070p         CRI         CHINA         17/4         DD           1753         7265f         Polish Radio Int         POLAND         26/4         CC           1802         3965f         R Taiwan Int         TAIWAN         26/4         CC           1825-1855         7380p         BBC         UK         19/4         KVB           1830         6080p         R Australia         AUSTRALIA         9/4         DD           1840         6110p         VOA         USA         9/4         DD           1848         7240f         RA         AUSTRALIA         21/4         KVB           1900         6130g         Bible Voice BC         AUSTRALIA         6/4         IC           1900         7155g         R Thailand         THAILAND         6/4         KVB           1915         7240g         R Australia         AUSTRALIA         15/4         DD
1625-1635         7370g         VOIRI         IRAN         17/4         DD           1634         6200f         CRI         CHINA         17/4         DD           1640         6070p         CRI         CHINA         17/4         DD           1753         7265f         Polish Radio Int         POLAND         26/4         CC           1802         3965f         R Taiwan Int         TAIWAN         26/4         CC           1825-1855         7380p         BBC         UK         19/4         KVB           1830         6080p         R Australia         AUSTRALIA         9/4         DD           1840         6110p         VOA         USA         9/4         DD           1848         7240f         RA         AUSTRALIA         21/4         KVB           1900         6130g         Bible Voice BC         AUSTRALIA         6/4         IC           1900         7155g         R Thailand         THAILAND         6/4         KVB           1915         7240g         R Australia         AUSTRALIA         15/4         DD           1920         9730g         Voice of Vietnam         VIETNAM         5/4         RP
1634         6200f         CRI         CHINA         17/4         DD           1640         6070p         CRI         CHINA         17/4         DD           1753         7265f         Polish Radio Int         POLAND         26/4         CC           1802         3965f         R Taiwan Int         TAIWAN         26/4         CC           1825-1855         7380p         BBC         UK         19/4         KVB           1830         6080p         R Australia         AUSTRALIA         9/4         DD           1840         6110p         VOA         USA         9/4         DD           1848         7240f         RA         AUSTRALIA         21/4         KVB           1900         6130g         Bible Voice BC         AUSTRALIA         6/4         IC           1900         7155g         R Thailand         THAILAND         6/4         KVB           1915         7240g         R Australia         AUSTRALIA         15/4         DD           1920         9730g         Voice of Vietnam VIETNAM         5/4         RP           1922         7410g         AIR         INDIA         15/4         DD           1
1753         7265f         Polish Radio Int         POLAND         26/4         CC           1802         3965f         R Taiwan Int         TAIWAN         26/4         CC           1825-1855         7380p         BBC         UK         19/4         KVB           1830         6080p         R Australia         AUSTRALIA         9/4         DD           1840         6110p         VOA         USA         9/4         DD           1848         7240f         RA         AUSTRALIA         21/4         KVB           1900         6130g         Bible Voice BC         AUSTRALIA         6/4         IC           1900         7155g         R Thailand         THAILAND         6/4         KVB           1910-1955         4940f:17895         VOA         USA         23/4         BCM           1915         7240g         R Australia         AUSTRALIA         15/4         DD           1920         9730g         Voice of Vietnam VIETNAM         5/4         RP           1922         7410g         AIR         INDIA         15/4         DD           1925         3935g         Radio Reading Service         NZ         5/4         DD
1753         7265f         Polish Radio Int         POLAND         26/4         CC           1802         3965f         R Taiwan Int         TAIWAN         26/4         CC           1825-1855         7380p         BBC         UK         19/4         KVB           1830         6080p         R Australia         AUSTRALIA         9/4         DD           1840         6110p         VOA         USA         9/4         DD           1848         7240f         RA         AUSTRALIA         21/4         KVB           1900         6130g         Bible Voice BC         AUSTRALIA         6/4         IC           1900         7155g         R Thailand         THAILAND         6/4         KVB           1910-1955         4940f:17895         VOA         USA         23/4         BCM           1915         7240g         R Australia         AUSTRALIA         15/4         DD           1920         9730g         Voice of Vietnam VIETNAM         5/4         RP           1922         7410g         AIR         INDIA         15/4         DD           1925         3935g         Radio Reading Service         NZ         5/4         DD
1825-1855         7380p         BBC         UK         19/4         KVB           1830         6080p         R Australia         AUSTRALIA         9/4         DD           1840         6110p         VOA         USA         9/4         DD           1848         7240f         RA         AUSTRALIA         21/4         KVB           1900         6130g         Bible Voice BC         AUSTRALIA         6/4         IC           1900         7155g         R Thailand         THAILAND         6/4         KVB           1910-1955         4940f:17895         VOA         USA         23/4         BCM           1915         7240g         R Australia         AUSTRALIA         15/4         DD           1920         9730g         Voice of Vietnam VIETNAM         5/4         RP           1922         7410g         AIR         INDIA         15/4         DD           1925         3935g         Radio Reading Service         NZ         5/4         DD           1925         7324.96         Wantok Radio Light         PNG         21/4         BCM
1830         6080p         R Australia         AUSTRALIA         9/4         DD           1840         6110p         VOA         USA         9/4         DD           1848         7240f         RA         AUSTRALIA         21/4         KVB           1900         6130g         Bible Voice BC         AUSTRALIA         6/4         IC           1900         7155g         R Thailand         THAILAND         6/4         KVB           1910-1955         4940f:17895         VOA         USA         23/4         BCM           1915         7240g         R Australia         AUSTRALIA         15/4         DD           1920         9730g         Voice of Vietnam VIETNAM         5/4         RP           1922         7410g         AIR         INDIA         15/4         DD           1925         3935g         Radio Reading Service         NZ         5/4         DD           1925         7324.96         Wantok Radio Light         PNG         21/4         BCM
1840         6110p         VOA         USA         9/4         DD           1848         7240f         RA         AUSTRALIA         21/4         KVB           1900         6130g         Bible Voice BC         AUSTRALIA         6/4         IC           1900         7155g         R Thailand         THAILAND         6/4         KVB           1910-1955         4940f:17895         VOA         USA         23/4         BCM           1915         7240g         R Australia         AUSTRALIA         15/4         DD           1920         9730g         Voice of Vietnam VIETNAM         5/4         RP           1922         7410g         AIR         INDIA         15/4         DD           1925         3935g         Radio Reading Service         NZ         5/4         DD           1925         7324.96         Wantok Radio Light         PNG         21/4         BCM
1848         7240f         RA         AUSTRALIA         21/4         KVB           1900         6130g         Bible Voice BC         AUSTRALIA         6/4         IC           1900         7155g         R Thailand         THAILAND         6/4         KVB           1910-1955         4940f:17895         VOA         USA         23/4         BCM           1915         7240g         R Australia         AUSTRALIA         15/4         DD           1920         9730g         Voice of Vietnam VIETNAM         5/4         RP           1922         7410g         AIR         INDIA         15/4         DD           1925         3935g         Radio Reading Service         NZ         5/4         DD           1925         7324.96         Wantok Radio Light         PNG         21/4         BCM
1900         6130g         Bible Voice BC         AUSTRALIA         6/4         IC           1900         7155g         R Thailand         THAILAND         6/4         KVB           1910-1955         4940f:17895         VOA         USA         23/4         BCM           1915         7240g         R Australia         AUSTRALIA         15/4         DD           1920         9730g         Voice of Vietnam VIETNAM         5/4         RP           1922         7410g         AIR         INDIA         15/4         DD           1925         3935g         Radio Reading Service         NZ         5/4         DD           1925         7324.96         Wantok Radio Light         PNG         21/4         BCM
1900         7155g         R Thailand         THAILAND         6/4         KVB           1910-1955         4940f:17895         VOA         USA         23/4         BCM           1915         7240g         R Australia         AUSTRALIA         15/4         DD           1920         9730g         Voice of Vietnam VIETNAM         5/4         RP           1922         7410g         AIR         INDIA         15/4         DD           1925         3935g         Radio Reading Service         NZ         5/4         DD           1925         7324.96         Wantok Radio Light         PNG         21/4         BCM
1910-1955       4940f:17895       VOA       USA       23/4       BCM         1915       7240g       R Australia       AUSTRALIA       15/4       DD         1920       9730g       Voice of Vietnam VIETNAM       5/4       RP         1922       7410g       AIR       INDIA       15/4       DD         1925       3935g       Radio Reading Service       NZ       5/4       DD         1925       7324.96       Wantok Radio Light       PNG       21/4       BCM
1915         7240g         R Australia         AUSTRALIA         15/4         DD           1920         9730g         Voice of Vietnam VIETNAM         5/4         RP           1922         7410g         AIR         INDIA         15/4         DD           1925         3935g         Radio Reading Service         NZ         5/4         DD           1925         7324.96         Wantok Radio Light         PNG         21/4         BCM
1920         9730g         Voice of Vietnam VIETNAM         5/4         RP           1922         7410g         AIR         INDIA         15/4         DD           1925         3935g         Radio Reading Service         NZ         5/4         DD           1925         7324.96         Wantok Radio Light         PNG         21/4         BCM
1922       7410g       AIR       INDIA       15/4       DD         1925       3935g       Radio Reading Service       NZ       5/4       DD         1925       7324.96       Wantok Radio Light       PNG       21/4       BCM
1925         3935g         Radio Reading Service         NZ         5/4         DD           1925         7324.96         Wantok Radio Light         PNG         21/4         BCM
1925 7324.96 Wantok Radio Light PNG 21/4 BCM
1930 9515g Pan American BC GERMANY? 26/4 IC
1932 11660g RNW NETHERLANDS 12/4 BW
1937 7160g R Thailand THAILAND - ?
1942 7155g Radio Thailand THAILAND 24/5 RP
1950 5885g R Vatican VATICAN 2/4 DD
1956 9485g BBC UK 15/4 DD
2000 7365g Vatican R VATICAN 22/4 RFK
2009-2015 7160g CRI CHINA 7/4 KAB
2018-2020 7105f R Minsk BELARUS 7/4 KAB
2028 11625g REE SPAIN 8/4 RP
2032 6080g R Australia AUSTRALIA 5/4 DD
2036 7170g VOT TURKEY 5/4 DD
2038 7170g Voice of Turkey TURKEY 7/4 RP
2039 7285p CVC Int GERMANY? 6/4 KAB

2044	7170g	VOT	TURKEY	6/4	KAB
2046	7410p	AIR	INDIA	6/4	KAB
2057	7170g	VOT	TURKEY	4/4	BW
2128	9600g	CRI	CHINA	26/4	RP
2200	11725g	VOA	USA	26/4	RP
2205	9330p	WBCQ	USA	23/4	DD
2210	9615f	WHRI	USA	26/4	IC
2215	7285f	WYFR	USA	16/4	IC
2232	15145f	VOA	USA	6/4	DD
2300	15525g HC	JB Global Voice	AUSTRALIA	30/4	RP
2301	13362(USB)g	AFRTS	USA	17/4	CC



#### TE REO IRIRANGI O AOTEAROA, O TE MOANA-NUI-A-KIWA

#### 28/04/2008 5:59 AM

### **FREQUENCY SCHEDULE**

#### ANALOGUE SERVICE

UTC	NZT Time	kHz	Effective from 28 April, 2008
			Primary Target
1300 - 1550	0100 - 0350	6170	Pacific
1551 – 1850	0351 - 0650	7145	Cook Islands Samoa, Niue, Tonga, Fiji
1851 – 1950	0651 - 0750	9615	Pacific
1951 - 2050	0751 - 0850	11725	Pacific
2051 - 0158	0851 - 1358	13840	Pacific
0159 - 0458	1359 - 1658	15720	Pacific
0459 - 0658	1659 – 1858	9615	Pacific
0659 - 1058	1859 – 2258	7145	Pacific
1059 - 1258	2259 - 0058	9655	NW Pacific, Bougainville, Papua New Guinea, Timor

#### DRM SERVICE - A DRM Capable Receiver is required for this service

UTC	NZT Time	kHz	Primary Target
1200 - 1550	0000 - 0350		NO SERVICE AT THIS TIME
1551 - 1850	0350 - 0650	6170	Cook Islands Samoa, Niue, Tonga, Fiji
1851 – 1935	0651 - 0735	9890	Samoa, Niue, Fiji, Cook Islands, Tonga
1936 - 2050	0736 - 0850	11675	Tonga, Samoa, Niue, Fiji, Cook Islands
2051 - 0158	0851 - 1358	15720	Solomon Islands, Vanuatu
0159 - 0458	1359 – 1658	13840	Pacific
0459 - 0658	1659 – 1858	9890	Pacific
0659 - 1158	1859 - 2358	6170	Pacific

### **SHORTWAVE RECEPTION FORECAST**

**FOR JUNE 2008** 

Editor Mike Butler email propagation@radiodx.com

Auckland

The Shortwave Bands below have given good reception in NZ within the recent Solar Flux Index range of 67-78. An \* = good reception only above Index of 75. After last month's great improvement, daytime (22-5UTC) signals from Africa and Nth. America peak in June. (Africa-in July also.) The year's best morning (19-21UTC) reception from Russia also occurs now.

Times-Shortwave Bands:

_		_				_			
UT	C MHZ	UT	C MHZ	UT	C MHZ	UT	C MHZ	UT	C MHZ
Euı	rope	Afı	rica	Rus	sia	Au	stralia	Cer	nt America
19	6- 9,11*	19	6-9-15*	19	6-11	19	4-11	19	-
20	6-13,15*	20	7- 15	20	6-11	20	6-11	20	17*
21	6-11-15*	21	7-9,15	21	11-15	21	6-17	21	-
22	9*15	22	9	22	-	22	7-17,21*	22	-
23	9-15	23	9	23	-	23	7-17,21*	23	-
0	9-15	0	9	0	11	0	13-17,21*	0	-
1	9-15	1	9*	1	9-11	1	13-17,21*	1	-
2	6-15	2	9, 11*	2	7*9,11	2	13-17,21*	2	-
3	6-15	3	9- 11	3	7*9	3	7-17,21*	3	9
4	6-15	4	7*,9-11	4	7*9*	4	9-17,21*	4	11
5	6-9	5	5- 15	5	15-17	5	9-17	5	5-6
6	7-11	6	6-9,15*	6	17*	6	9-17	6	5-9
7	ı	7	6*, 9	7	17	7	5-11,13*	7	5-9
8	-	8	-	8	9-15	8	5-9 -13*	8	5-9
9	-	9	-	9	6-13	9	5-9 -15*	9	5-9
10	-	10	-	10	6-13	10	5-11-15*	10	5-7,9*

Mic	ddle East	Asi	a	Nor	th Pacific	Nth	America	Sth	America
19	6-9	19	6-9	19	7-13	19	ı	19	ı
20	6-11	20	6-11	20	7-15x	20	15,17*	20	-
21	6-9	21	6-15	21	11-15x17	21	15-17	21	ı
22	9	22	9-15	22	15x17	22	13-17	22	ı
23	15*	23	9-15	23	15x17	23	13	23	•
0	-	0	9*-13*,15	0	17	0	15	0	11
1	9*	1	9-17	1	17	1	11-13	1	9-11
2	9	2	9-17	2	15-17	2	9-15	2	ı
3	6-15	3	11-15	3	15-21	3	9-15	3	ı
4	9-15	4	13*15	4	9-17,21*	4	6-15	4	5-9
5	15*	5	11-15	5	5-17,21*	5	5-11	5	6-9
6	11	6	15-17	6	5-17	6	5-11	6	6-9
7	-	7	15	7	5-11,13*	7	3-11	7	6-9
8	-	8	7-11,15*	8	5,9-13	8	5-9	8	5-9
9	-	9	6-17	9	5-13	9	5-9	9	3-9
10	-	10	6-17	10	5-13	10	5-9	10	6-9

x=not Hawaii. The average Solar Flux for April was 70, down from March's 73.

### **SHORTWAVE REPORT**

Editor Ian Cattermole email shortwave.report@radiodx.com
Blenheim

### AUSTRALIA/UZBEKISTAN.

CVC Voice Asia transmissions via Tashkent in Hindi

Once again thanks for reception report on 9975kHz. Here is the information that you asked for.

Monday - Fric	lay (Weekday)			
GMT	IST	FREQ.		
01:00 - 05:00	05:30 - 09:30	6260 & 9975	6260kHz & 9975kHz	49 & 31 Meters
05:00 - 06:00	09:30 - 10:30	13630	13630kHz	21 Meters
06:00 - 09:00	10:30 - 13:30	13630.	13630kHz	21 Meters
09:00 - 12:00	13:30 - 16:30	13630	13630kHz	21 Meters
12:00 - 15:00	16:30 - 19:30	13820	13820kHz	21 Meters
15:00 - 18:00	19:30 - 22:30	6260	6260kHz	49 Meters
18:00 - 21:00	22:30 - 01:30	6260	6260kHz	49 Meters
Saturday - Sun	day (Weekend)			
GMT	IST			
01:00 - 05:00	05:30 - 09:30	6260 & 9975	6260kHz & 9975kHz	49 & 31 Meters
05:00 - 06:00	09:30 - 10:30	13630	13630kHz	21 Meters
06:00 - 09:00	10:30 - 13:30	13630	13630kHz	21 Meters
09:00 - 12:00	13:30 - 16:30	13630	13630kHz	21 Meters
12:00 - 15:00	16:30 - 19:30	13820	13820kHz	21 Meters
15:00 - 18:00	19:30 - 22:30	6260	6260kHz 49	Meters
18:00 - 21:00	22:30 - 01:30	6260	6260kHz	49 Meters
(CVC Hindi Adn	nin)			

#### **CYPRUS:**

Cyprus Broadcasting Corporation schedule is now 2215-2245 Friday, Saturday and Sunday on 5930 7210 and 9760.

A-08 of BBC Darfur Salaam, all now via VT Communications site on Cyprus in Arabic: 0500-0530 on 12015 (300 kW / 177 degrees) and 13650 (250 kW / 187 degrees). 1700-1730 on 15515 (250 kW / 187 degrees) and 17585 (300 kW / 177 degrees). (Ivanov via BC-DX)

#### **FRANCE:**

From Adrian Peterson at AWR Dear Radio Colleague,

For those who are collecting QSL cards from the many AWR relay sites, a new relay

location has just been implemented. Adventist World Radio is now on relay from the Issoudun site in France for 1 & 1/2 hours daily. This is the schedule:1630 - 1700 UTC 17575 kHz 250 kW Somali to Somalia
1700 - 1800 UTC 17575 kHz 250 kW Oromo to Ethiopia
(Dr Adrian Peterson. DX Editor. Adventist World Radio, via Mark Nicholls)

#### GERMANY.

New transmissions of CVC International via Media Broadcast from May 1: 1900-2000 on 9840 JUL 100 kW / 115 deg Arabic to ME 2000-2100 on 9565 JUL 100 kW / 190 deg Arabic to WeAf (DX Mix News, Bulgaria, April 30 via DXLD

### IRAN [and non].

Frequency changes for VOIROI/IRIB from May 1: 0130-0227 NF 9790 SIR 500 kW / 018 deg, ex 9795 in Kazakh 1530-1627 NF 7375 KAM 500 kW / 110 deg, ex 7370 in English 1530-1627 NF 9600 SIR 500 kW / 105 deg, ex 9635 in English 1830-1928 NF 6000\*SIT 100 kW / 259 deg, ex 7260 in French 1930-2028 NF 6000\*SIT 100 kW / 259 deg, ex 7260 in English 2100-2157 NF 9690@KAM 500 kW / 055 deg, ex 9670 in Japanese 2100-2157 NF 11655 SIR 500 kW / 053 deg, ex 11990 in Japanese 2330-0027 NF 11740#KAM 500 kW / 064 deg, ex 11820 in Chinese 2330-0027 NF 11970 SIR 500 kW / 098 deg, ex 11975 in Chinese (DX Mix News, Bulgaria, April 30 via DXLD) SIT = LITHUANIA relay

### LAOS:

English on Lao National Radio.

6130, Lao National R, Vientiane, 1416-1430, Mar 29, in English and assume Laotian: "Hi, I am Max. Hello my name is Kathy. Welcome to New Dynamic English", "New Dynamic English is a basic English language course and an introduction to American people and culture", segments in English followed by assumed Laotian translation. Per http://www.dyned.com/voa/ndeprog.shtml this was the first in the series. At http://www.dyned.com/voa/schedule.shtml noted: "Listeners in Burma can listen to New Dynamic English on Saturday evenings Rangoon time, 1430-1455 UTC", via VOA(?) but no frequencies given and not sure how current this website is. Fair-poor, lost at 1430 to QRM from 6135. (Howard via DSWCI)

### Oslo-based Burmese opposition radio to change frequencies

Text of report by Norway-based Burmese Democratic Voice of Burma website, on 26 March

Dear listeners, the Democratic Voice of Burma will be changing some of its frequencies beginning from Monday [31 March]. The evening programme [1430 gmt] of Monday, 31 March, will be broadcasting from shortwave 19-metre band, 15,480 kHz and shortwave

16-metre band, 17,625 kHz.

The morning programme [2300 gmt] will be broadcasting from shortwave 31-metre band, 9,490 kHz beginning from Tuesday, 1 April.

(Source: Democratic Voice of Burma website)

### **SOUTH AFRICA:**

UN Office for the Coordination of Humanitarian Affairs, IRIN Radio, via SENTECH, Meyerton

IRINradio is scheduled daily as follows:

0600-0700	11830	250	West Africa	Portuguese
0700-0800	15170	250	West Africa	French
1100-1200	17525	250	Central Africa	French
1730-1745	9665	100	Somalia	Unknown
2000-2200	7160	250	Central Africa	French.
(Kathy Otto SEN	ITECH via	Guntal		

(Kathy Otto, SENTECH via Gupta)

9665, IRIN Radio, via Meyerton . Since Apr 01 is broadcasting news and information in Somali directly to listeners in Somalia and the Somali-speaking region at 1730-1745. The programme will bring you a mix of news, features, music, drama and ann. Write at feedback@IRINnews.org telling us where you are and if you can hear the programme clearly, with any other comment. (Slean via DSWCI)

### **USA:**

WWCR A08 Schedule. Mar 30, 2008 to Oct 26, 2008

Transmitter #1 - 100 KW - 46 Degrees

12:00 AM - 04:00 AM 0500-0900 3.215 MHz

04:00 AM - 05:00 AM 0900-1000 9.985 MHz

05:00 AM - 04:00 PM 1000-2100 15.825 MHz

04:00 PM - 09:00 PM 2100-0200 7.465 MHz

05:00 PM - 12:00 AM 0200-0500 3.215 MHz

Transmitter #2 - 100 KW - 85 Degrees

12:00 AM - 07:00 AM 0500-1200 5.935 MHz

07:00 AM - 07:00 PM 1200-0000 13.845 MHz

07:00 PM - 12:00 AM 0000-0500 5.935 MHz

Transmitter #3 - 100 KW - 40 Degrees

12:00 AM - 06:00 AM 0500-1100 5.070 MHz

06:00 AM - 11:00 AM 1100-1600 7.465 MHz

11:00 AM - 05:00 PM 1600-2200 12.160 MHz

05:00 PM - 12:00 AM 2200-0500 5.070 MHz

Transmitter #4 - 100 KW - 90 Degrees

12:00 AM - 06:00 AM 0500-1100 5.890 MHz

06:00 AM - 09:00 PM 1100-0200 9.980 MHz

09:00 PM - 12:00 AM 0200-0500 5.890 MHz

(F.W. Robbert Broadcasting Co., Inc.)

### VOA Changes frequency for Asia in English

**Effective 19th May VOA** changes frequency for Asia in English:

9345 kHz 1400-1530 from Philippines This replaces 15185 kHz at 1400-1500 hrs 1530-1600 from Sri Lanka This replaces 13735 kHz at 1500-1600 hrs

Alok Dasgupta HCDX

## FEATURED FREQUENCY: This month it is 11765 and 11770khz.

How many of these are you able to hear and identify?

1	1	76	55	kł	١z
---	---	----	----	----	----

Time	Station Site	Country	Days	Languag	e P	ower (kW)
0500-0700	BBC Worldservice United Meyerton	d Kingdom	1234567	Unknow	n	250
0700-0800	,	d Kingdom	1234567	Unknow	n	300
1500-1600	VOA - Voice of America Lampertheim	German	y 1234567	Unknow	n	100
1600-1900	Radio Exterior de Espana Noblejas	Spain	1234567	ARAB/SP	ANI	250
1800-2359	Ministry of Information Kuw KABD	ait Kuwait	1234567	ARABIC	500	
2000-2200	LeSea Broadcasting Corp Furman, SC	United S	tates	17	Eng	250
2000-2200	LeSea Broadcasting Corp Furman, SC	United S	tates	23456	Eng	250
2200-0100	LeSea Broadcasting Corp Furman, SC	United S	tates	234567	Eng	250

### 11770khz

Time	Station Site	Country	Days	Language F	Power (k	W)
0000-0100	China Radio International Beijing	China	1234567	Unknown	50	0
0200-0400	China Radio International Kashi	China	1234567	Unknown	100	0
0600-0700	China Radio International Kashi	China	1234567	Unknown	100	0
1100-2200	Yemen Radio & Television Al Hiswah	Yemen	1234567	Unknown	100	0
1300-1500	Radio Romania International Galbeni	Romania	1234567	ROMANIAN	25	0
1430-1500	Adventist Broadcasting Service. Agat, Guam	United St	ates	1234567 Bur	100	0
2300-1800	China Radio International Urumqi	China	1234567	Unknown	50	

### **DXISSIMO**



Editor John Durham Tauranga

## This month we start the ball rolling with some Clandestine QSI Information.

### RADIO DEMOCRACY SHORAYEE: 12120kHz

Email reply in 1 day from: info@radioshora.com via Vashek Korinek, Sth Africa.(Play DX 1405

### **RADIO REPUBLICA:**

letter N/d plus schdule in 25 days. No IRC .Address: Directorio Democratico Cubano, PO Box 110235, 33011 Hialeah, Florida, USA. Email:info@radiorepublica.org via Massimo Rossi, Italy.(Play DX 1405)

### RADIO WAABERI: 17760kHz.

Email verie in 140days,V/s: Ali Gulaid.Email addr: alimarshal@yahoo.com via Vashek Korinek,Sth Africa.(Play DX 1405)

### **VOICE OF OROMIA INDEPENDENCE 15560kHz**

via Germany.WRMI QSL card in 19 days after f/up, no IRC,V/s:Jeff White (QSL Manager) RPT sent to WRMI office via Email: info@wrmi.net. via Vashek Korinek,Sth Africa. (Play DX 1405)

### **Continuing QSL information**.

**CHILE** CVC CHRISTIAN VOICE CHILE. QSL card big size in 12 days for Email rpt: comentario@ cvc.tv Silveri Gomez,Catalunya,Spain.(Play DX 1405)

**CHINA** XINJIANG PEOPLES BROADCASTING STATION.Uighur prg.QSL card-sheet in Chinese in 32 days.No RP. Addr. 84 Tuanjie Road,Urumqi,Xinjiang 830000,China. Rolands Strautmalis,Latvia. (Play DX 1405)

**CROATIA** HRT VOICE OF CROATIA. 3985 kHz via Deanovec.Email f/d QSL plus schdule in 8days V/s Zlatko Kuretic [chief engineer] Rpt Email: lavozdecroacia@hrt.hr via Silveri Gomez,Catalunya, Spain. (Play DX 1045)

**CUBA** RADIO NACIONAL DE VENEZUELA INTERNACIONAL.QSL card f/d,personal letter, in 125 days. V/s:Freddy R.Santos,Email: canalinternacionalrnv@gmail.com Silveri Gomez,Catalunya.Spain. (Play DX 1045)

**DOMINICAN REP.** RADIO CRISTAL 5009.78 Santa Domingo. 01 May 2330 almost 1 hour 2307-2358 nice mx and info.plus ID sometimes noisy.(Maurits Van Driessche. Belgium via HCDX)

**MEXICO** XERTA. RADIO TRANSCONTINENTAL DE AMERICA 4800 0600-0610 02May Relig prg poor signal audible in LSB.(Manuel Mendez. Spain via HCDX.

**PERU** LA NUEVA ATLANTIDA, Iquitos 4790kHz.is reported active at 2258-0230v. Heard in Italy in March testing by R.Pavanello. They now carry regular service on SW.being heard on 18 April in Colombia by R. Rodriguez.

Attention !!!! on 4790.2v is also active Radio Vision, Chiclayo, at 2200-0500v. (Play DX 1405)

**SURINAME** RADIO APINTIE 4990 1034-1045 at initial listen noted a male in DD.Signal improves from threshold at 1034 to poor by 1037.( Chuck Boland via HCDX May 02)

and finally this month via HCDX **Manuel Mendez** from a location at Puerto del Carmen, Lanzarote, Canary Islands using a Sony ICF SW 7600 G with a 5 metre long antenna heard the following Africans between 23-25 April. SINPO used for reception conditions.

**ANGOLA 4950** R.Nacional Mulenvos Luanda 0532. 25432.

**BENIN 5025** Radio Parakou 1856-1900. 34333

**DJIBOUTI 4780** 1738-1745. 25322

**ERITREA 5100** Radio Bana 1750-1757. 35333

GABON 4777 Radio Gabon Libreville Interference from Djibouti

4780. 1750-1757. 23322

**GUINEA 7125** Conakry 2200-2210. 34333

**LIBERIA 4760** Monrovia ELWA 4760 0602-0610.25322

**NIGERIA 4770** Lagos. 2107-2115.45444

**MALI 9635** Bamako Radio Mali 1728-1737. 44444

**TCHAD 4905** Radio Tchad. 1738-1748. 45444 **UGANDA 4976** Radio Uganda 1745-1750. 34333





### **UTILITIES**



Editor Evan Murray 14 Kia Ora Road Birkdale

North Shore City 0626

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phone 09 483 9543

Evan has his computer in for repairs this month (and hopefully back to normal next month) so thanks to Barry Williams for advising us of the Maritime New Zealand website http://www.maritimenz.govt.nz/Maritime\_Radio/radio\_intro.asp



HF

The HF coverage area is essentially NAVA-REA XIV, but coverage outside this area is usually possible as well. NAVAREA XIV is the area bounded by the co-ordinates:

South Pole 45°S, 160°E 29°S, 170°E Equator, 170°E Equator, 120°W

South Pole



For seafarers, their main lifeline to land is communications.

Maritime New Zealand is responsible for maintaining VHF and HF radio services for New Zealand's coastal waters and the South Pacific, providing around-the-clock monitoring of VHF and HF distress channels.

The region covered by the New Zealand Distress and Safety Radio Service is known as NAVAREA XIV, covering 12.5% of the earth's ocean surface. It extends from mid-Tasman to mid-Pacific, and from Antarctica to the Equator.

The service provided by Maritime NZ is complemented by a network of volunteer private radio operators around New Zealand and its offshore islands.

The radio network is monitored by people located at the Maritime Operations Centre (MOC) in Lower Hutt on a 24-7 basis. the MOC is also responsible for the broadcast of Maritime Safety Information within the NAVAREA. Maritime safety information includes meteorological information, navigational warnings and ionosphereic prediction warnings.

Maritime NZ own and maintain one third of the Maritime radio network with the remainder being provided for and maintained by Kordia.

### FM NEWS AND DX

Palmerston North

Editor Adam Claydon email fm@radiodx.com



### Radio Dunedin now on FM

After a bit of info from a workmate he said he was listening to Radio Dunedin 1305 and they said he heard them saying that they were now on FM on 99.8 so he tuned in and found signal very good. So I did a check when I cam home and sure thing Radio Dunedin is on 99.8 (David Miller)

In the past few months New Zealand's oldest radio station has updated. First it went on the Internet and now it is expanding to FM from May 6 it will broadcast on 99.8 FM as well as 1305 AM. The station came on air in 1922. (Jack Fox)

Radio Dunedin has expanded to FM officially began Broadcasting Tuesday the 6/5th on 99.8 FM (still the oldest radio station in the business in its 86th year), or one of the oldest. 1305 AM still on for local and distant listeners with 99.8 synchronized simulcast with nice crisp audio, some guotes from Star midweek (community paper) off air comments and my FM monitoring from portable radio at another location in Dunedin on its first morning off transmission on portable radio, Venturer multi.band portable radio model 2989/6 battery operations. It has been the biggest news in radio since Radio Dunedin former 4XD since it's 80th Birthday (Roger Pryde)

### Palmerston south Station goes FM

Radio Puketapu 756AM now is transmitting on both AM and LPFM 88.1 (Leslie Williams)

### Classic Radio, Mosgiel

- 88.2 Classic Radio, Mosgiel Cental Business Area
- Classic Radio, Mosgiel 107.3

(Jack Fox)

### Report of FM radio stations on air in Dunedin

- 88.1 Velocity
- 88.4 The Mix
- 88.7 Country Radio
- Classic Hits 89.4
- Solid Gold 90.2
- 91.0 Radio One
- 91.8 The Edge
- 92.6 **RN7 Concert**

- 93.4 The Rock
- 94.2 Life FM
- 95.0 Tahu FM
- 95.8 ZM
- 96.6 Radio Live
- 97.4 More FM
- 98.2 The Breeze
- 99.0 RNZ Concert
- 99.8 Radio Dunedin
- 101.4 RNZ National
- 103.8 Niu FM
- 106.7 Hills AM
- 107.0 Inferno 107FM
- 107.3 News talk ZB
- 107.7 Life FM

(Leslie Williams)

### Radio Wairau, North Shore

I heard these stations when in Auckland's North Shore last week:

106.9 and 107.4 Radio Wairau, North Shore with middle of the road music, announcements include mail address details. (Jack Fox)

#### **Breeze Network Grows**

The Breeze network continues to grow, adding Rotorua to the list this week (on 96.7FM) and now soon to go into Marlborough as well - where it will override the previously local and independent Easy FM.

The Marlborough feed is due to switch on from June 3, becoming the network's 16th market.

Easy FM, along with Sounds FM, was run by Marlborough Media until the company was bought out by MediaWorks late last year. (RadioScope, 6 May 2008,

http://www.radioscope.net.nz/index.php?option=com\_content&task=view&id=1210&Itemid=27)

### New spectrum for FM radio

Communications and Information Technology Minister David Cunliffe and Broadcasting Minister Trevor Mallard have today announced the release of more than seventy FM radio licences for commercial and non-commercial use.

"There is always a demand for new radio frequencies, from both community and commercial interests," said Mr Cunliffe. "As outlined in our Broadcasting Programme of Action, the government is committed to strengthening regional and community broadcasting, so the focus of this new allocation is on making licences available for locally owned and operated radio stations."

In accordance with 2006 Cabinet decisions, licences have been identified and are being allocated in the following order of priority for each major coverage area (to the extent that suitable licences are available in that area):

- one licence for local commercial use:
- one licence for non-commercial allocation:
- a second licence for local commercial use;
- one licence reserved for use after 2011; and
- any other licences for unrestricted commercial use, after allowing for the 2011 licence renewal offers and the above priorities.

As a result, thirty-one local commercial FM licences will be offered for sale as a part of Radio Spectrum Auction 10, with conditions that bidders reside within the coverage area and that the licensee targets the needs and expectations of its local audience.

"The release of this spectrum to local communities is both a promise and a challenge. The government's terms and conditions will ensure that the licences remain in local control and have a focus on local and community content, but users of those licences will also have to develop a format that attracts and retains a long term audience," said Mr Cunliffe.

Trevor Mallard said a further sixteen licences will be allocated by the Ministry for Culture and Heritage on a non-commercial basis to meet the objectives in the Government's Regional and Community Broadcasting Policy Framework.

"Through this allocation, the Labour-led government continues its commitment to support community and regional broadcasting," he said. "The government reviewed the policies and funding for access radio and regional television in 2006, so I am pleased to announce the allocation of these licences which further increase the opportunities for community involvement in broadcasting."

There are a number of other licences that are being offered on an unrestricted commercial and fully contestable basis. These are typically temporary licences (AM, FM, and UHF TV) that are being used to extend and "infill" the coverage of existing commercial services. (Ministry of Economic Development, 22 April 2008,

http://www.rsm.govt.nz/cms/policy-and-planning/spectrum-auctions/radio-spectrum-auction-no-10-local-fm-licences/media-statement/)

### Table of lots to be offered in Auction 10

Each lot will comprise two licences, one for the period before 2011 and one for the following period.

These lots will be confirmed when final engineering of the each licence is finalised and registered. It is anticipated that there will be some minor differences in parameters of the licences for the periods before and after 2011, even though the basic frequency and power of transmission are expected to be similar. In a very few cases a frequency change after 2011 may be necessary.

### 31 Local commercial FM licences to be assigned by auction

Lot #	Туре	Area	Transmit site	Freq (MHz)
10LFM001	Local commercial	Auckland	Skytower	106.2
10LFM002	Local commercial	Bay of Plenty	Putauaki	93.7
10LFM003	Local commercial	Bay of Plenty	Putauaki	104.9
10LFM004	Local commercial	Christchurch	Huntsbury Hill	100.9
10LFM005	Local commercial	Christchurch	Sugarloaf	105.7

10LFM006	Local commercial	Dunedin	Mt Cargill	104.6
10LFM007	Local commercial	Dunedin	Mt Cargill	106.2
10LFM008	Local commercial	Gisborne	Wheatstone Rd	100.5
10LFM009	Local commercial	Gisborne	Wheatstone Rd	105.3
10LFM010	Local commercial	Hawkes Bay	Mt Erin	100.7
10LFM011	Local commercial	Hawkes Bay	Mt Erin	105.5
10LFM012	Local commercial	Invercargill	Forest Hill	105.2
10LFM013	Local commercial	Invercargill	Hedgehope	104.4
10LFM014	Local commercial	Kapiti	Forest Heights	106.3
10LFM015	Local commercial	Nelson	Grampians	100.2
10LFM016	Local commercial	Nelson	Grampians	105.6
10LFM017	Local commercial	Queenstown	Peninsula Hill	100.8
10LFM018	Local commercial	Queenstown	Peninsula Hill	105.6
10LFM019	Local commercial	Rotorua	Pukepoto	100.7
10LFM020	Local commercial	Rotorua	Pukepoto	105.5
10LFM021	Local commercial	Taranaki	Mt Egmont	100.4
10LFM022	Local commercial	Taranaki	Mt Egmont	105.2
10LFM078	Local commercial	Taupo	Whakaroa	106.4
10LFM024	Local commercial	Tauranga	Kopukairua	105.4
10LFM025	Local commercial	Timaru	Mt Studholme	100.3
10LFM026	Local commercial	Timaru	Mt Studholme	105.9
10LFM027	Local commercial	Wairarapa	Otahoua	100.7
10LFM028	Local commercial	Wairarapa	Otahoua	105.5
10LFM029	Local commercial	Wanganui	Shakespeare Rd	100.8
10LFM030	Local commercial	Wanganui	Shakespeare Rd	105.6
10LFM031	Local commercial	Wellington	Kaukau	105.3

### 1 full commercial AM licence to be assigned by auction

Lot #	Туре	Area	Transmit site	Freq (MHz)
10FAM071	Full commercial	Palmerston	Palmerston	0.756

### 5 full commercial UHF-TV licences to be assigned by auction

Lot #	Туре	Area	Transmit Site	Channel
10UTV066	Full commercial	Canterbury	Southshore	TV 27
10UTV067	Full commercial	Otago	Hillend	TV 34
10UTV068	Full commercial	Auckland	Remuera	TV 44
10UTV069	Full commercial	Auckland	Pinehill	TV 48
10UTV070	Full commercial	Canterbury	New Brighton	TV 53

### 35 Full commercial FM licences to be assigned by auction

			•	
Lot #	Туре	Area	Transmit site	Freq (MHz)
10FFM032	Full commercial	Ashburton	Ashbuton	89.3
10FFM033	Full commercial	Ashburton	<b>Electricity Ashburton</b>	91.7
10FFM034	Full commercial	Ashburton	Electricity Ashburton	98.1

10FFM035	Full commercial	Ashburton	Electricity Ashburton	96.5
10FFM036	Full commercial	Auckland	Waiheke Island	99.4
10FFM037	Full commercial	Buller	Mt Rochfort	91.7
10FFM038	Full commercial	Buller	Mt Rochfort	89.3
10FFM076	Full commercial	Central Otago	Obelisk	104.7
10FFM039	Full commercial	Christchurch	Southshore	96.5
10FFM040	Full commercial	Christchurch	Sumner	90.9
10FFM041	Full commercial	Coromandel Sou	ıthWaihi	90.8
10FFM042	Full commercial	Greymouth	Westport	95.7
10FFM043	Full commercial	Kaikoura	Kaikoura	91.9
10FFM044	Full commercial	Marlborough	Wither Hills	94.5
10FFM045	Full commercial	Marlborough	Wither Hills	98.5
10FFM078	Full commercial	Marlborough	Blenheim	90.5
10FFM079	Full commercial	Marlborough	Blenheim	92.1
10FFM046	Full commercial	Northland	Coopers Beach	105.9
10FFM047	Full commercial	Northland	Coopers Beach	105.1
10FFM048	Full commercial	Northland	Kaitaia	98.4
10FFM075	Full commercial	Northland	Parahaki	105.9
10FFM049	Full commercial	Northland	Russell 2	96.8
10FFM050	Full commercial	Northland	Russell 2	100.5
10FFM051	Full commercial	Nthn Southland	Mt Prospect	96
10FFM052	Full commercial	Rotorua	Pukepoto	96.7
10FFM053	Full commercial	Rotorua	Tihiotonga	89.6
10FFM054	Full commercial	Ruapehu	Kururau Rd	92.7
10FFM055	Full commercial	Ruapehu	Kururau Rd	96.7
10FFM056	Full commercial	Ruapehu	Pipipi	95
10FFM058	Full commercial	Wairarapa	Otahoua	91.9
10FFM059	Full commercial	Wairarapa	Parawhariki Trig	94.3
10FFM060	Full commercial	Wairarapa	Popoiti	99.8
10FFM061	Full commercial	Waitaki	Mt John	89.8
10FFM062	Full commercial	Waitaki	Oamaru	89.6
10FFM065	Full commercial	Western BoP	Tauranga	96.7

### 14 local non-commercial FM licences to be assigned by $\operatorname{MCH}$

Туре	Area	Transmit site	Freq (MHz)
Non-commercial	Bay of Plenty	Putauaki	100.9
Non-commercial	Christchurch	Sugarloaf	104.9
Non-commercial	Dunedin	Mt Cargill	105.4
Non-commercial	Gisborne	Wheatstone Rd	104.5
Non-commercial	Hawkes Bay	Mt Erin	104.7
Non-commercial	Invercargill	Forest Hill	100.4
Non-commercial	Nelson	Grampians	104.8
Non-commercial	Queenstown	Peninsula Hill	104.8
Non-commercial	Rotorua	Pukepoto	104.7
Non-commercial	Taranaki	Mt Egmont	104.4

Non-commercial	Timaru	Mt Studholme 105.1
Non-commercial	Wairarapa	Otahoua 104.7
Non-commercial	Wanganui	Shakespeare Rd 104.8
Non-commercial	Wellington	Kaukau 106.1

(Ministry of Economic Development, 8 May 2008,

http://www.rsm.govt.nz/cms/policy-and-planning/spectrum-auctions/radio-spectrum-auction-no-10-local-fm-licences/table-of-lots-to-be-offered-in-auction-10)

### TV NEWS AND DX

Editor Adam Claydon
Palmerston North

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### Local TV takes off in the Manawatu

Regional TV finally arrives in Manawatu next week. Based in Pahiatua for the last seven years, Tararua Television (TTV) begins broadcasting its Christian and family-based community oriented programmes to the wider Manawatu region on May 1.

Broadcasting until May 1 from the Mangatinoka Hill opposite the Tui brewery tower, TTV's signal goes out over Manawatu from a transmitter on a leased site up on Wharite.

Coming west means TTV ups its coverage from a possible 6000 viewers to over 300,000. TTV should be received as far north perhaps as Waipukurau – Norsewood certainly, and south to Mount Bruce in Wairarapa on the eastern side of the ranges. In Manawatu, it should reach to Levin, Wanganui, possibly Hunterville...though the signal will be a little weak there. It depends on how many hills there are in the way.

As for people in Manawatu receiving TTV, viewers who are picking up Maori TV or Prime on UHF aerials should receive the 623 MHz frequency on channel 40. A test signal will be available from April 28 or 29.

TTV's website is www.tararuatv.co.nz and email is ttv@maxnet.co.nz (The Guardian, 24 April 2008)

### Leap forward in television broadcasting

The advent of high definition television delivered by the new Freeview digital terrestrial service is a significant event in New Zealand broadcasting, Prime Minister Helen Clark said today.

Helen Clark officially launched the digital terrestrial service in Wellington tonight.

"This is cutting edge technology and high definition is still a rarity internationally. The rollout of Freeview HD puts New Zealand at the top of the list, alongside the United States, France, Japan, the United Kingdom and Australia," Helen Clark said.

"High definition, with its crystal clear pictures, is the latest desirable broadcasting feature worldwide. In terms of visual experience, the last advance this dramatic in New Zealand would have been the switch to colour television in 1974.

"New Zealand was a late starter in the process of transition to digital technology. Now we're leapfrogging to the front of the pack. That is exactly where we want to be, reflecting our identity as a technologically advanced, creative and innovative society.

"The Labour-led Government has supported Freeview as a dual satellite/terrestrial service to ensure all New Zealanders can have access to quality free-to-air digital television no matter where they live. We provided access to radio spectrum as well as \$25 million (GST excl) to Freeview over five years to help with simulcasting in both digital and analogue," Helen Clark said.

Broadcasting Minister Trevor Mallard said the government contribution, as well as the \$79 million in government funding for TVNZ's digital channels, reflected the government's commitment to supporting these important developments.

Freeview's satellite service began in May last year and more than 100,000 New Zealanders have purchased a Freeview receiver (set top box), exceeding initial projections of 30,000 for the first year of Freeview.

Trevor Mallard joined Helen Clark in congratulating Freeview and its members, state-owned Kordia, the Ministry for Culture and Heritage and the Ministry of Economic Development for a positive government/industry partnership.

### **Background** information

The government will announce a firm date for analogue switch-off once take-up of digital television reaches 75 per cent or in 2012, whichever comes first.

Freeview Limited is an incorporated joint venture; its shareholders are Television New Zealand, MediaWorks (owner of TV3 and C4), the Maori Television Service and Radio New Zealand.

Freeview channels so far

Freeview's satellite channels are: TV ONE, TV2, TV3, C4, Maori Television, TVNZ6, TVNZ7, TVNZ Sports Extra, Stratos, Parliament TV, Cue, Te Reo, Radio New Zealand National and Radio New Zealand Concert.

Freeview HD will screen: TV ONE, TV2, TV3, C4, Maori Television, TVNZ6, TVNZ7, TVNZ Sports Extra, Parliament TV, tvCentral, Radio New Zealand National and Radio New Zealand Concert.

The three most recent additions have been:

- TVNZ7 (launched 30 March), TVNZ's advertising-free news, documentary and current affairs channel.
- Te Reo (launched 28 March), New Zealand's first 100 per cent Maori language service.
- tvCentral, a regional service in the Waikato and Bay of Plenty (launched 2 April). (New Zealand Government, 14 April 2008, http://feeds.beehive.govt.nz/release/leap+f orward+television+broadcasting)

### No Freeview HD for Timaru

While nine metropolitan areas received the country's first high definition television broadcasts last week, South Canterbury didn't -- and the latest in high definition viewing won't be coming here in the near future.

The Freeview high definition (HD) service is available through the newly established digital terrestrial network. It is beamed to viewers with a HD-capable television who have a Freeview set-top box and UHF antenna.

Unlike the Freeview satellite service only people who live in regions where transmitters have been installed will receive the new service.

However only some programmes shown are in this high definition format.

Freeview general manager Steve Browning said South Canterbury was one of the regions to miss out because its population was not large enough to justify the cost

of installing a transmission site here. He did not consider it economic to extend the service.

He said Freeview satellite gave clear digital quality of twelve free-to-air television and two radio services via a satellite dish.

Freeview HD gives you crystal clear digital quality of nine free-to-air television and two radio services via UHF aerial, plus some programmes in high definition. "Freeview HD has been rolled out to 75 per cent of the national population which equates to the nine largest urban centres.

"This is due to the cost of taking the transmission network further than the 18 transmission sites currently built."

Mr Browning said satellite could never provide this really high definition reception. "Unfortunately HD requires four to eight times more bandwidth, SKY has leased nearly all the appropriate bandwidth on the Optus D1 satellite and so the free-to-air broadcasters are constrained to standard definition only on satellite for the foreseeable future."

(The Timaru Herald, 14 April 2008, http://www.stuff.co.nz/timaruherald/4478526a6010.html)



League member Doug Milligan's listening post in Australia. Doug is ex Tauranga.

From left to right in photo an Ultimate 6 valve radio Broadcast & shortwave, bought in in Auckland in 1952 and still going strong.

On top my 3ft medium wave loop,

Eddy Stone EC10, Sony 2001, Barlow Wadley XCR-30, the three are into a 3 way antenna switch into an antenna tuner & out to a Supreme multiband antenna & trap 2 Unden CBs 26 megs and a Grant Uniden on 27 megs.

### **MAILBAG**

Editors Bryan Clark David Ricquish email mailbag@radiodx.com Mangawhai (Northland) Wellington





Thank you to the regular contributors out there who help our enthusiasm for radio monitoring through sharing the results of their listening experiences. Radio is very much into anniversaries (and indeed we are, with the League's 60th birthday celebrations at Waianakarua near Oamaru in early October – I hope to see you there!). This year marks 30 years since the launching of the Voice of Russia World Service in English, formerly Radio Moscow World Service [it seems like only last week! BC]. On October 3, 1978 Radio Moscow went on the air with round-the-clock broadcasts in English beamed throughout the world. In the run-up to the anniversary VOR are inviting us to share with them our most vivid memories and impressions, reminiscences of our first encounter with the World Service broadcasts on the airwaves, our impressions of their programmes, both of the past and the present day – anything we would like to share with VOR and other listeners of the World Service in English.

It's also the 70th birthday of the external service of Swedish Radio (Sveriges Radio). On July 1, 1938 the first ever broadcast from Stockholm directed abroad was in Swedish. A year later, programmes in English and German went on air. Today Swedish Radio broadcasts in 13 different languages. Ahead of anniversary programmes in September, Radio Sweden is providing a special Internet archive including the most interesting reports of the previous seven decades and an online competition. (Thanks to Mike Terry and Glenn Hauser's DX Listening Digest for these items)

### **QSL OF THE MONTH**

John Durham with Voice of Kurdistan 6334 – well done John!

**BARRY WILLIAMS** Auckland makes a brief appearance to say that he continues as a Deutsche Welle monitor, "though their SW broadcasts continue to diminish like so many other broadcasters. Otherwise little listening is being done". But Barry does have a DX milestone to report - QSLing his 200th country on the ham bands, Montenegro a couple of weeks ago. Says Barry, "I worked them a few months ago and I was lucky as I still have just a basic 80 metre windom antenna." [Well done with the ham milestone Barry! I note those Deutsche Welle relays from Bonaire in our evenings are doing very well. BC]

**DAVID NORRIE** also from Auckland, but frequently in much more exotic locations, has provided a listing of stations caught during stopovers at various airports and locations, using a portable Sony AM/FM radio. David says that he has logged some of these

stations from NZ as have many others, but they may be of interest as possible targets. [Sorry your trail dropped out of the column last month David – it appears below. Hopefully there'll be something even more exotic next month? BC]

SUTTON BURTENSHAW of Hamilton has just returned from DX sessions at Tiwai and Waianakarua. Says Sutton "Had a great time, when not DXing there were plenty of stories both short and tall, much laughter and jollification. At Tiwai there was the forever smoky fireplace, plenty of stations to log if you needed them, blooming good food cooked by Steven Greenyer and Paul, Aronsem, and of course another furry thing which was finally despatched by 'The Cook' and 'The Fireman' in an appropriate if somewhat startling manner. Only had one logging for me at Tiwai, a relog of Caribbean Beacon 1610. Arthur de Maine, Steven, Paul, Ray Crawford, David and Barbara Headland were our companions, and of course Jacky the corgi. Probably the best moment (no, the worst) at Tiwai for me anyway was sitting on the dunny with the door open watching the vivid pink dawn rising and I had decided not to pack my camera! Next, Waianakarua - I hadn't been there before. Paul O was ready for us to help elevate the top section of his tower for the 160 metre ham band. We stood it up against the main tower and then it was time for a cuppa, and talk (of course) then it was time for a listen. Next day it rained until 10 or so minutes before DX time. The next day we all left, so the top section is still sitting upright on terra firma. David Headland joined us for the first night only. Logging-wise the second night was good with Radio Carve 850 Uruguay (new country for me) and one announcement heard from Radio Tupi 1280 Brazil (will also be a new country if I can pluck up the courage to send a tentative report.) Also WCNZ 1660 logged. So there you have it. Weather generally colder than in the North Island, but the car only iced up twice (at Tiwai & Ynak)". [Carve was a good QSLer when I verified them Sutton, and WCNZ definitely worth a try. Catch you soon. BC]

**JOHN DURHAM**, Tauranga has just finished painting the house so hopefully some time now for a bit of DX. Only one QSL in this month: Voice of Kurdistan 6334.

**DES DAVEY** Te Kuiti has reports away to Deutsche Welle 7265 and 9545, and QSL responses from AFN Guam 5765; NHK 13640 & 15355; CRI 5955, 15210 & 17690 with cards depicting Olympic venues. Des comments that these cards could become collectors' items. He also tells us of a recent visit to an old-time radio amateur who uses a 100 foot longwire only 10 to 12 inches above the ground for his AM reception. The low wire helps to reduce interference from car ignition and local power lines, and fortunately isn't a hazard for passers-by. [Thanks Des – For some time I've been using 100 metre coated wires lying along the ground for medium wave DX but more recently have found that the EWE antenna with its earth connections at both ends will deliver the cleanest signals. Will write re antennas. BC]

**KELVIN BRAYSHAW** of Levin checked in early April seeking the whereabouts of Wantok Radio Light from Papua New Guinea, which had been missing from 7325 shortwave during the month. He and yours truly subsequently heard them reactivated on 21 April. [Thanks for the contact Kelvin; you're always welcome reporting your DX doings to the Mailbag. BC]

**DAVID RICQUISH** our co-section editor in Wellington reports in with details of 78 new FM radio frequency licences and one additional AM licence currently being auctioned by the Ministry of Economic Development. The sole AM frequency on offer is for a commercial operation in Palmerston North using 756kHz. David has recently met with the manager of Access Radio 1206 AM in Hamilton, who was disappointed at the unavailability of a noncommercial FM frequency for his city. Some DX has been possible from home in Wellington says David – "1350 Radio Buenos Aires was excellent at 0700 the other night just on the Superadio, and Chinese stations are back on 909, 1323 etc after about 1030 UTC."

IAN CATTERMOLE Blenheim has another bumper mailbag with verifications received from AWR 9430, 11675, 11720, 11795, 9880, 9505 & 9735; Bible Voice Broadcasting 6195, 11635 & 6130; Polish Radio 9450, 7170, 7335 & 7135; WYFR via Media-Broadcast 6120, 6105, 15115 & 5970; RFE/RL 7165, 9725 & 12015; KSDA 11925 & 12080; WYFR Taiwan 6280; Radio Cairo 6860 & 9915; NHK 13640; RFA 17830 & 9350; VOT 11980 & 13675; Radio Netherlands 6035; VOA 9695; Voice of Russia 6055 & 12030; Pan American Broadcasting 9515; Radio Bulgaria 9600; Radio Vaticana 6040 and CVC TV 9975. [Congratulations on passing the 6000 shortwave QSL milestone recently lan – you must have a very efficient reporting system. Do you have another milestone target? BC]

**RON KILLICK** Christchurch advises 5 reports away in April, an improvement on March. Inwards are CRI-Cerrick 5960 (Olympic card of Fengtai Softball Field), RFI-Tinian 21500 (Year of Rat card), Radio Bulgaria-Plovdiv 7400 (card showing Town of Melnik) and Radio Japan-Yamata, 9625 (Tokyo Tower card in 7days). Ron says the Bulgaria response took 1 year, 4 months and 7 days to come back. [Slower ones are often the most memorable Ron, BC]

**PAUL ORMANDY** Oamaru checks in with a trail of AM stations heard on a recent stay at his Waianakarua DX site with esteemed visitors from Queensland and Hamilton. [Thanks Paul – interesting to compare with what I can get up here. The strength of domestic AMers remains an issue here, which probably only the superior directionality/nulling of longer Beverage antennas can address. BC]

RAY CRAWFORD of Kingaroy Queensland writes: "Just back home from a most enjoyable month in NZ. Managed to catch up with Bryan and Sandy Clark at Mangawhai DX resort and logged KKGM 1630, WLAA 1680 and KGED 1680. Picked up Sutton Burtenshaw and travelled down to Tiwai where we had 6 nights of good DX with Paul Aronsen, Arthur DeMaine, David Headland and Steven Greeyer. All missed Stu Forsyth there again this year but we believe he might have been out on the turnips. Loggings made at TY were KOKC 1520, KTIQ 1660, WHNZ 1250, Impacto Venezuela 1550, Vision Cristiana Dominican Rep 1330, HJFB & HJKD Colombia 1340, OAX4U Radio Cielo Peru 1010, XEMR 1140, Radio Festival Chile 1270, Radio Provincias Argentina 1270, and Radio Tiempo Venezuela 1200. Sutton and I then went to Waianakarua to catch up with Paul Ormandy where loggings were made of Radio Jetro Argentina 1680, WINZ 940, KFAQ 1170, XENET 1320, Radio Dos Argentina 1230, Radio Apolo Venezuela 1320, WGIT 1660, KTLK 1150 and XERED 1110. Now all I have to do is write the reports. Thanks to all for a great DX trip." [Great catching up with you & Raewyn too! BC]

**JOE WOOD** in Greenback Tennessee USA has a quality QSL selection this month. He enjoyed receiving an unexpected QSL from the Caribbean Beacon in Anguilla on 6090. Joe heard them way back in June 2006, and the full data verification postcard arrived after 325 days. Verification signer is Doris McSingleton and the station address: Caribbean Beacon, Attn: Reception Reports, PO Box 690, Anguilla, British West Indies. Email beacon@anguillanet.com.

Secondly he has TWR Swaziland 4775 which sent a full data card, schedules, religious literature, and stickers in 114 days in response to his English report, 2 IRCs, \$1, an applause card, and a local postcard. V/S Mrs. L. Stavropoulos DX Secretary, Trans World Radio-Swaziland, PO Box 64, Manzini, Swaziland.

And last but by no means least – HRMI Honduras 3340, a full data card in 22 days for an EG report, \$1, 1 IRC, applause card, and a local postcard. V/S. James K. ???, Director. Station address: Mr. Wayne Downs, Director, HRMI-Radio Misiones Internacional, Apartado Postal 20583, Comayagüela, MDC, Honduras. The reply came from: International Missions Fellowship, PO Box 6321, San Bernadina CA 92412 USA. [Well done Joe – your countries verified tally is growing nicely. BC]

**RICH D'ANGELO** of Wyomissing, Pennsylvania USA is another to provide specific details of his QSL rewards for the month.

**BOLIVIA** Radio Universitaria - Cobija, Pando 4732, verified an e-mail report with a nice Spanish language no data e-mail reply from v/s CHARLY (Productor Creativo) in 13 days thanking me for my report. Report sent to and the reply was from radiouap@hotmail.com. **EGYPT** 9250, Radio Wadi el Nil 9250 verified an e-mail report with an e-mail reply in 11 days from the Egyptian Overseas Radio English Program (eqyptianoverseas\_english@hotmail.com) from Marwan Khattab who thanked me for the reception report, added me to the Listeners' Club and who gave my address to the "QSL card department" implying a response would be coming from them as well. Marwan mentioned that he would meet me if I came to Cairo. Interested to see what, if anything, arrives by postal mail.

**LAOS** Lao National Radio 6130, sent an electronic reply to a postal follow up asking for future reports in 126 days from Inpanh Satchaphansy, Head of External Relations promising a postal reply after returning home after attending a workshop in Thailand. I put this e-mail reply aside for over two years while waiting for the postal reply that I am still waiting for, hi! I recently "discovered" this verification while doing a little housekeeping in the shack. My verie signer is now the Director of Internet Services so I am not sure who should get reports now at LNR. Anyway, it is always good to QSL a new country even if it takes over two years to do the bookkeeping. NASWA Country verified number 226.

**OMAN** BBC – Aseela 7105, verified direct with a full data letter from v/s Afrah Al Orimi in 145 days for a report sent to VT Merlin Communications at Aseela, Oman. The letter indicated that the transmitter power was 250kw, modulation type: AMC, and the antenna: HRS4/4/.5 – Bearing 60.

**PERU** Radio Manantial 4990.8, verified with a frequency-only Spanish language electronic reply in 11 days from Pastor Leoncio Paco Conce, Gerente Administrativo de Radio Manantial (reply came from leonciopacoministro@hotmail.com although I used postal mail and a different electronic address). He noted the official shortwave frequency is 4,985 kHz and that they also broadcast on 960 AM and 94.9 FM. He gave the familiar

website: www.radiomanantia.tk, which has pictures of the Pastor broadcasting. A couple of days later, I got another e-mail from Pastor Leoncio Paco requesting help in obtaining equipment (crystals and Amperex tubes) for the station since Radio Manantial is 6 kHz off their assigned frequency of 4985.

**USA** KJES 11715, verified with a full data "Sunset at KJES Radio Station in Vado, New Mexico" picture letter in 19 days for a report to The Lord's Ranch.

[Thanks Rich –the extra detail tells us what we are missing out on by not chasing the QSLs – the rewards for reporting are still out there! BC]

Closing the mailbag this month is yours truly **BRYAN CLARK** in Mangawhai. One report has been written to The Mighty KBC Radio via Lithuania 6110. Scheduled 0200-0300 Sundays only, and surprised to hear it fading in around 0225, very readable by 0245. I try to check the tropical band and mediumwave daily between 0400 and 0600 UTC in case conditions are above average – as an example, take Radio Apinte Surinam - readable here just 1 day in a month!

## **Globetrotting Airport Trail**

from David	Norrie
Houston Air	port, TX

		Houston Airport, 1A
560	KLVI	Beaumont, TX - ID as 'Newstalk 560'
610	KILT	Houston TX - Sports radio 'Premier Radio Network'
740	KTRH	Houston TX - news talk, heard often in NZ
1070	KNTH	Houston TX - talk radio
Westchester Airport, White Plains NY		
660	WFAN	New York NY - sports
1010	WINS	New York NY - news
1130	WBBR 1	New York NY - 'Bloomberg Radio' ID's often
1150	WLIB	New York NY - 'New York's Praise & Inspiration Station'
1230	WFAS	White Plains NY - popular ballads
O'Hare Airport, Chicago IL		
720	WGN	Chicago IL - 'Newstalk 720' ID's
780	WBBM	Chicago IL - 'Chicago's News Station' with Keith Johnson
820	WCPT	Willow Springs IL - 'Chicago's Progressive Talk"
Orange County Airport, Anaheim CA		
570	KLAC	Los Angeles CA - sports
710	KSPN	Los Angeles CA - ESPN sports
790	KABC	Los Angeles CA - Tammy Bruce Show
980	KFWB	Los Angeles CA - 'KFWB News 9-80'
1070	KNX	Los Angeles, CA - News Radio
1110	KDIS	Pasadena CA - Radio Disney
1150	KTLK	Los Angeles CA - sports talk
		Europe [Milan, Hamburg, Valencia, Barcelona]
648	BBC Orfordness, England – 500kw World Service heard well	
810	BBC Network, Scotland - 205kw combined chain BBC Scotland also heard wel	
	everyw	here except in Spain.

#### **BROADCAST TRAIL**

- BCM = Bryan Clark, Mangawhai (Northland) with EWEs and 100m BOGs
- PWO = Paul Ormandy, Waianakarua (North Otago) Beverage Antenna Farm (late April)
- 560 ARGENTINA R Colon, San Juan, distinctive mx, ids and temp 0516. PWO
- 570 CUBA R Reloj, usual morse ids and all-nx format 0719. Regularly heard. PWO
- 580 USA KMJ Fresno CA good 0559 w/promo on "the Central Valley"s emerging place in California" PWO
- 670 CUBA R Rebelde good sig 0615 w/ FA & MA then pops, //710 even stronger. PWO
- 690 ECUADOR HCJB Quito fr 0855 w/Andean tunes in //3220. PWO
- 690 HAWAII KHNR Honolulu vgd 0556 with adverts, Fox news on the hour, ident as "Hawaii's new choice for intelligent talk, 6-90 AM KHNR" 26/4. BCM
- 820 CUBA R Reloj, usual morse ids and all-nx format 0448. Regularly hrd here. PWO
- 830 USA WCCO MInneapolis MN gd 0609 w/wx forecast for the twin cities. PWO
- 860 CUBA R Reloi usual morse ids and all-nx format 0651. PWO
- 870 CUBA R Reloj with usual morse ids and all-nx format 0925. PWO
- PERU Radio Union, Lima with SS advts, ident inclding website 0602 28/4, good strength but bad splatter from 882. BCM
- 890 CUBA Radio Progresso fair, regular with SS talk, some music //640 at 0549 14/4. BCM
- 890 USA WLS Chicago IL with advts, PSAs and "WLS Weather" 0606 11/4, good. BCM
- 930 CHILE R Nuevo Mundo, good w/id, dominant o/Colombian 0359. PWO
- 940 USA WINZ Miami FL local ads, promo and ids dominant over Fresno 0429. PWO
- 950 CUBA R Reloi, usual morse ids and all-nx format 0811, PWO
- 1110 USA KFAB Omaha NE vgd 0659 with advts, PSA for Peace Corps, station promo "now broadcasting in HD" 23/4. BCM
- 1170 UNID several Latin formats mixed 0616 11/4, one with "Ke Buena" or "Que Buena" slogans. Could this be KLOK with format change? BCM
- 1170 COLOMBIA HJNW Cartagena with frequent "Caracol Radio" idents 0511 over KFAQ. LSB to avoid off-frea Colombian on 1170.5 27/4. BCM
- 1180 CUBA Radio Rebelde syncho transmitters here 0710 badly out of sync (half a second delay) on 7/4, causing very bad echo effect. Very good, over/mixed Marti. BCM
- 1210 UNID SS relig "Cadena radial cristiana" maybe KPRZ San Marcos??? 0559. PWO [I have logged KUBR Texas with this format Paul. KPRZ is EE religion now. BC]
- 1270 USA KFLC Fort Worth TX with Latin music format, SS ident as "12-70 AM, La Voz del Pueblo" 10/4. BCM
- 1280 BRAZIL R Tupi, up very briefly 0543 w/ IDS in 30 seconds then gone. PWO
- 1280 MEXICO XEEG Puebla regular here with frequent "ABC Radio" idents and "con mil watts de potencia" 0550 27/4 over US sportstalk format. BCM
- 1310 UNID Latin at 0628 28/4 with frequent idents like "Radio Puerta" and "Radio Libertad", time pips on the half hour. Freq slightly above 1310 causing het whine. Who? BCM
- 1320 VENEZUELA R Apolo, Turmero, Venezuela, good sig 0430,many ids o/Peru. PWO
- 1400 MEXICO XEKJ Acapulco w/Mexican national anthem, then ident 0500 8/4. BCM
- 1420 HAWAII KKEA Honolulu with "This is Rainbow Baseball on ESPN Radio 14-20", 0700

- over US Talk format 11/4. BCM
- 1460 COLOMBIA Radio Nueva Continente, Bogota fair 0453 with ident including website www.nuevocontinente.org 8/4. BCM
- 1510 KGA Spokane WA with new "Fox Sports Radio" talk 0642 7/4. Ident 0659 as "Fox Sports 15-10 KGA". BCM (Per IRCA, change from Talk format occurred this very day, 7 April!)
- 1540 USA KGBC Galveston TX, nice surprise 0700 when waiting for a Latin to id, they faded and up popped this one, no news, straight into gospel mx but soon disappeared. PWO
- 1560 WQEW New York NY with "Radio Disney" ident, pops 0536, mixing unid station with orchestrals format 11/4. BCM
- 1560 USA UNID with light rock music 0607 9/4, promo for "The switch is on, welcome to the ... rock..." Format change for who? BCM
- 1570 UNID US or Canadian on talk format 0555 past 0615 30/4, occasionally over strong, usually dominant XERF. Many years since I've ID'ed anything else here. BCM
- 1600 USA WKWF (tent) Key West FL "Sports Radio 1600" ids 0459, running Westwood One and Sports News radio progs. PWO
- 1630 USA KRND Fox Farm WY with Mexican band music, ident as "La Grande 16-30" in SS, 0606 9/4. EE religion under, presume KKGM. BCM
- 1640 USA WTNI Biloxi MS sports talk, promo for "Mike & Mike in the morning on ESPN Radio", local ident on the hour, fair 20/4. BCM
- 1640 USA KFXY Enid OK sports talk, advts 0556 21/4, ident as "The Score, KFXY Oklahoma...", first time I've caught this one. BCM
- 1650 USA KHRO El Paso TX with idents for "Radio Three 16-50", oldies format 21/4. BCM
- 1660 USA WCNZ Marco Island FL with "Relevant Radio" promos 0546, "bridging the gap between faith and everyday life", good but fluttery signal 27/4. BCM
- PUERTO RICO WGIT Canovanas, good 0523 w/plenty ids & lively mx, dominant. PWO
- 1680 USA WLAA Wintergarden FL with Latin format, ident 0632 as "La Ke Buena 16-80" 13/4, mixed KGED on oldies. BCM
- 1700 USA WEUV (tent.) Huntsville AL, promo 0810 as "the Motown sound" not many other likely takers. PWO
- 1700 USA KVNS Brownsville TX regular with promos for "Oldies Radio", "Classic Hits" and "Classic Rock 'n Roll", 0437 23/4, earliest I've heard them. BCM

# NORTH AMERICAN BROADCAST NEWS (from National Radio Club's "DX News" January – April 2008)

- 540 Applications for new station at Hilo Hawaii have been dismissed.
- 620 KIPA Hilo HI reactivated with "Classic Hits Weekend" 31/3 but no idents. Per Station Manager, will return to the air with a "non-political talk format" (Dale Park HI)
  - 710 WOR New York NY has changed antennas to 50/50kw U4.

- 730 KEZX Medford OR now carries Fox Sports Radio overnight. (D.Park HI)
- 790 KGHL Billings MT is now 5kw days, 1.8kw nights U1 from a new tower site.
- New construction permit approved for Sweetwater FL U4 4kw/5kw.
- 890 KLFF Arroyo Grande CA has requested 12kw day. 12kw night U2.
- 920 Applications for new station at Millilani, Hawaii dismissed.
- 960 KOVO Provo UT is running // to KXOL 1660 in SS with "La Favorita" slogan.
- 970 KHTY Bakersfield CA format is News/Talk in Spanish.
- 1010 WJXL Jacksonville Beach FL is on the air with 50kw/30kw U4.
- 1100 KWWN 1100 Las Vegas NV new station on air is 20kw day, 2kw nights U4, with Sports.
- Applications relodged for new stations on this frequency at Captain Cook HI with 5kw nights U1 and Easton HI with 10kw nights U4!
- 1240 New station requested for Mililani Town HI with 1/1kw U1.
- 1250 KZDC San Antonio TX is now "San Antonio's ESPN Radio", ex SS format.
- 1320 KCTC West Sacramento CA, new city of licence and new antenna site & night antenna pattern, directed west-northwest.
- 1340 New Station has been approved for Honaunau Hawaii with 10kw/10kw U1, sharing transmitter tower with KKON 790 and a proposed station for 1280. [Will make it more difficult to hear US graveyarders than it already is! Ed]
- 1360 KFSD San Diego CA format is Sports.
- 1430 KLO Ogden UT construction permit granted for U4 25kw day, 5kw night.
- 1460 KENO Las Vegas NV reported moving "Fox Sports" to 920 on 3 March and will carry SS language "ESPN Deportes" on 1460. (Dale Park)
- 1630 KRND Fox Farm WY seeks change in antenna pattern, favouring NNE-SSW.
- 1650 KBJD Denver CO format is now Spanish Religious.
- 1670 WTDY Madison WI now carrying Midnight Truckers Network programming overnight, ABC news (Heinen CO)
- 1670 CJEU Gatineau QC on air with U1 1kw day & night, children's prgms 'Radio Enfant'.
- 1670 KNRO Redding CA to drop ESPN Sports 18/4. Will run // KPIG FM 107.5 Freedom CA with Americana format. (Dave White TN)
- 1700 KBGG Des Moines IA new format is ESPN Radio programming, ident "ESPN 17 Hundred, the Champ, Iowa's sports talk radio." (Richard Allen-OK)

# MORE NORTH AMERICAN BROADCAST NEWS (from International Radio Club of America's "DX Monitor" – February - April 2008)

- 580 KTMT Medford OR has new callsign KGAY.
- 690 XETRA Tijuana BCN has changed call letters to XEWW.
- 740 CHWO Toronto ON ownership change from Primetime Radio to MZ Media Inc. (D. Sys)

- 790 KJRB Spokane, WA has changed formats from sports to news-talk. [See 1510. BC]
- 840 KMPH Modesto CA format changed from adult standards to talk.
- 840 KXNT North Las Vegas NV seeks reduction in night power from 25kw to 16kw DA-2.
- 910 WFDF Farmington Hills MI granted increased night power of 25kw DA-2.
- 920 KBAD Las Vegas NV changes from ESPN to Fox Sports.
- 1020 KAXX Eagle River AK has changed callsign to KABA.
- 1070 CHOK Sarnia ON format changed from oldies to country.
- 1100 KWWN Las Vegas NV flips from ESPN Deportes Spanish-language sports to ESPN sports "ESPN Radio 1100".
- 1150 KKNW Seattle WA format changed from talk to news/talk
- 1190 KFXR Dallas TX flips from classic country "Cowboy 1190" to all-news "CNN 1190."
- 1230 KYPA Los Angeles CA seeks antenna change from ND to 1kw/1kw DA-2.
- 1240 KSAC Sacramento CA flips from progressive talk to black gospel "Rejoice 1240" and callsign changes to KRJY.
- 1240 KSON San Diego CA seeks change of powers to 545 watts day & night, non-directional.
- 1250 KZDC San Antonio TX flips from Spanish oldies to ESPN sports "The Zone."
- 1290 KKAR Omaha NE has new powers & antenna pattern 50kw days, 5kw nights DA-2.
- 1310 KTCK Dallas TX is on reduced power after a storm blew down 3 of its 4 towers.
- 1320 KXYZ Houston TX changes format from business news to ethnic.
- 1320 New station for Ewa Beach HI granted callsign of KEWA.
- 1380 KWJL Lancaster CA flips from Spanish oldies to news-talk as KOSS.
- 1410 CFUN Vancouver BC rebranded "The Buzz" (remains News-Talk). (Dan Sys)
- 1450 CHOU Montreal QC proposes increase power to 2kw fulltime (Dan Sys)
- 1470 KUTY Palmdale CA format is regional Mexican, slogan "Radio Lazer."
- 1510 KGA Spokane WA is now sports, ex news-talk in a format swap with KJRB 790. New slogan is "The Fan 1510". KGA is seeking reduction in power to 15kw.
- 1550 KYCY San Francisco CA format changed from modern rock to business news
- 1560 WRSJ Bayamon PR granted increased powers 10kw days, 5kw nights DA-2.
- 1570 KUAU Haiku HI granted 15kw day and night, non-directional.
- 1590 WAKR Akron OH replaces adult standards format with oldies
- 1590 KKZZ Ventura CA callsign has changed to KUNX, now "Radio Formula" Spanish talk.
- 1600 KOPT Eugene OR flips from progressive talk to Oregon Public Broadcasting NPR news-talk, bringing a fourth public radio voice to Eugene.
- 1650 KWHN Fort Smith AR has changed callsign to KYHN in swap with 1320kHz. Reported to be currently silent.
- 1680 WDSS Grand Rapids MI verified with form letter & bumper sticker in 11 days. Address is 2777 44th SE, Grand Rapids MI 49512. (Pat Martin OR)
- 1700 KKLF Richardson TX format changed from talk to sports // KTCK 1310.

## TIWAI 19-29 APRIL 2008

Several Dxers once again made their yearly visit to the Southland Branch listening post on the Tiwai Peninsular. For those not familiar with the site it is located at the end of Awarua Bay south of Invercargill, several kilometres from other buildings and 230v power sources. The three-bedroom house while a little run down is still comfortable and its location allows room for beverages and other aerials.

Paul Aronsen was first in on Saturday and carried out some maintenance work on the aerials, repaired holes in roof, blocked the rat hole in the ceiling and generally set up for those coming. Arthur De Maine arrived on Sunday from Kakanui and he and Paul carried out further aerial maintenance during the day.

Wednesday the 23<sup>rd</sup>, Steven arrived at 1600 hours from Timaru, the small generator was hooked up to the lighting batteries and these were given a top up while the portable ewe was erected towards South America, a quick listen on the broadcast band showed several signals from North and South America. Around 1715 Ray Crawford from Kingaroy Australia and Sutton Burtenshaw from Hamilton arrived after journeying from Christchurch.

After tea cooked by Paul, vegies and Savs followed by desert, we all gave the radio a miss for the night and caught up on old times.

Thursday saw Arthur head home as he had a wedding to attend in Christchurch. Ray had borrowed Stuart Forsyth's SPR4 unfortunately it stopped working with what sounded like an audio fault, a trip into Invercargill saw him return with another SPR4 on loan from Eric MacIntosh.

A track was cut through the bracken at the back of the house to give access to firewood from the fallen trees. Steven had forgotten the chainsaw, fortunately the wood was soft enough to use an axe and the coal range and open fire were kept going all the time. DX proved a bit disappointing that night, there were however other entertainments. The past few days had seen a fair bit of rodent activity, there was much debate as to whether it was a rat or large mouse. Paul's old Corgi while showing an interest was always several metres behind the rat/mouse. As we had run out of poison a trap was made using a drum with a counterbalanced piece of wood and cheese bait, the idea being that the weight of the rodent would tip the wood over and the offender would fall in the drum. At 2 in the morning those not woken by the crash of the wood into the drum soon were by Rays cry of "we got him" four Dxers jumped out of bed and rushed to the kitchen, alas the rodent was far smarter than that and was no where to be seen.

Friday 25 saw Dave Headland and his friend Barbara arrived, apart from some unsuccessful surfcasting and a gas bottle leak; Dx while better than the previous nights was still not good.

Sunday nights highlight was the great rodent hunt. While some poison had been bought a couple of days earlier and showed signs of having been sampled the rodent was still brazenly running through the kitchen and lounge. When it ran behind the lounge woodpile a determined effort was made to catch it. Paul armed himself with a can of fly spray, Steven a fire extinguisher and Dave was on the torch. While Paul

sprayed fly spray into the woodpile Steven waited for the rodent to emerge ready to give it a burst with the extinguisher, in the hope of freezing it to death. The spray didn't really affect him and it wasn't until the woodpile was pulled apart that the beast emerged; a blast of spray and extinguisher must have dulled his senses as it ran straight into the open fire. Within a few minutes of this ones demise, another appeared from under the cupboard door.

Monday saw Dave head home and Sutton, Ray and Steven visited relatives in Invercargill. DX on this last night was the best it had been. An early rise on Tuesday allowed a pack up and clean of the house.

DX this year was the poorest it has been for several years. MW signals from South America started to appear around 0330 UTC, which is about 3 hours from local darkness. They were peaking about 0500 when a few North Americans appeared. The X band was lively most nights but it also dropped noticeably in strength after about 0600. The last night showed the most promise with a few Argentineans and Chileans appearing. Unlike previous years Colombians and Peruvians where hard to hear in the evening when they would previously have dominated. While we have liked to hear more we had a most enjoyable time and would like to thank Paul for the preparation he put into the gathering.



Some of the mob at Tiwai

From left - Ray Crawford, Sutton Burtenshaw, Steven Greenyer, Paul Aronsen and Dave Headland

### TIWAI TRAIL 23 TO 28 APRIL 08

770	5:11	Colombia HJJX "Moderado en Continental"
820	8:15	USA WBAP poor to fair with talk in 819 splash
840	5:30	Argentina Radio Salta good on fade ups
930	5:00	
940	5:45	
1010	5:20	Peru Radio Cielo Lima OAX4U good music of the world off freq to
		1010.5kHz
1060	7:20	Mexico XEEP Radio Educacion ID and music program
1140	8:00	Mexico XEMR "MR am 40"
1200	5:10	Venezuela Radio Tiempo good popular music
1200	7:45	USA WOAI Good talk "Coast to Coast"
1250	7:05	Peru Radio Miraflores relaying Radio Victoria
1270	3:58	Chile Radio Festival big ID short musical break appeared to go off 04:00
1300	6:00	USA Tentative WFFG ID "am 1300 Florida Keys"
1330	4:25	Dominican Rep HIVC Radio Vision Christiana EE till 0430 ID and then SS
1340	4:25	Colombia HJFB La Carinosa Bogota ID 0432
1340	7:40	Colombia HJKD La Carinosa Neiva ID 0434
1380	4:15	Chile Radio Corporacion good with talk
1490	6:00	Lots of mentions of Argentina
1510	6:30	USA WLAC ID
1520	6:00	USA KOKC Id and ABC Nxs
1550	4:17	Venezuela Radio Impacto sign off 0415 with NA
1570	5:20	Mexico XERF SS talk over another SS station
1610	3:57	Anguilla Carribean Beacon
1620	3:30	US Virgin Islands WDHP good BBC Nxs 06:00
1620	3:45	USA WDHP
1630	8:15	USA KRND presummed the SS mixing with KCJJ
1640	8:00	USA KDIA fair to good Relig talk
1660	6:50	USA KTIQ Merced CA "Radio Visa " ID and vocals
1660	8:10	USA WCNZ "Relevant Radio " mixed with KTIQ in SS
1670	7:55	USA KHPY "Radio Catolica" SS Reli excellent
1680	6:00	USA WLAA "Que Buena" ID good with SS vocals
1680	8:00	USA KGED Excellent with nostalga hits
1680	4:01	Anthem by male vocalist then off
1700		USA KVNS Good with Oldies
1700	7:19	Mexico XEPE Talk and San Diego Adverts

Dave Headland & Ray Crawford Drake SPR4s.

Sutton Burtenshaw ICF6800w

Paul Aronson Kenwood 5000.

Steven Greenyer Palstar R30

Arthur De Maine ICOM R71ER, AOR7030

#### WAIANAKARUA TRAIL

- 560 0516 R Colon, San Juan, Argentina, distinctive mx, ids and temp.
- 570 0719 R Reloj, Cuba usual morse ids and all-nx format. Regularly heard.
- 580 0559 KMJ Fresno CA, gud w/promo on "the central valleys emerging place in California"
- 670 015 R Rebelde, Cuba gd sig w/ FA & MA then pops, //710 even stronger
- 690 0855 HCJB Quito fr w/Andean tunes in //3220.
- 820 0448 R Reloj, Cuba usual morse ids and all-nx format. Regularly hrd here.
- 830 0609 WCCO MInneapolis MN gd w/wx forecast for the twin cities.
- 860 0651 R Reloi. Cuba usual morse ids and all-nx format
- 870 0925 R Reloj, Cuba usual morse ids and all-nx format
- 930 0359 R Nuevo Mindo, Chile, ad w/id, dominant o/Colombian
- 940 0429 WINZ Miami FL local ads, promo and ids dominant over Fresno
- 950 0811 R Reloj, Cuba usual morse ids and all-nx format
- 1210 0559 UNID SS relig "Cadena radial cristiana" maybe KPRZ San Marcos???
- 1280 0543 R Tupi, Brazil, up vry briefly w/ IDS in 30 seconds then gone...
- 1320 0430 R Apolo, Turmero, Venezuela, gud sig, many ids o/Peru
- 1540 0700 KGBC Galveston TX, nice surprise when waiting for a Latin to id, they faded and up popped this one, no news, straight into gospel mx but quickly disappeared.
- 1600 0459 WKWF (tent) Key West FL "Sports Radio 1600" ids, running Westwood One and Sports News radio progs.
- 1660 0523 WGIT Canovanas, Puerto Rico, good w/plenty ids and lively mx, dominant.
- 1700 0810 WEUV (tent.) Huntsville AL, promo as "the Motown sound" not many other likely takers.



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## **ADCOM NEWS**



Editor Bryan Clark email adcom.news@radiodx.com Mangawhai (Northland)

**RECENT CHANGES IN POSTAL SERVICES** in New Zealand are still being assessed as to their impact upon club finances, the 'NZ DX Times' and its delivery to members by post. With conflicting advice from different NZ Post branches, Adcom is working with our printer in Wellington to ensure there are no delays in delivery.

**DOWN MEMORY LANE** Our regular contributor from the King Country **DES DAVEY**, reflecting on the forthcoming 60<sup>th</sup> anniversary of the DX League, has contributed the accompanying photograph. Writes Des, "The photo enclosed is me when I was about 19 or 20 years young, seated at my very first communications receiver. It was a 1939-40's vintage National HRO communications receiver. It used plug-in coil boxes, one box for each shortwave band, plus one for mediumwave. It was a nice receiver, very stable. You could put it on the average shortwave station and it would stay tuned with very little drift. The HRO operated at 110 volts AC. so used a separate power supply

transformer to step down from 240 to 110 volts. The two youngsters listening with me are my young brother Gerry and my young sister Carol. We all have headphones on, and I think we were listening to Edward Startz with the Happy Station show on Sunday from Radio Nederland at the time."

(Thanks Des – we welcome photos and recollections of other members in this our  $60^{th}$  anniversary year. BC)



**DOMESTIC BROADCASTING SURVEY** The 10<sup>th</sup> edition of the Danish Shortwave Club International (DSWCI) Domestic Broadcasting Survey (DBS) has just been issued. The survey comes in 4 parts:

**Part 1** is the 36th edition of the Tropical Bands Survey covering all active broadcasting stations on 2300 - 5700 kHz.

**Part 2** covers domestic stations on international shortwave bands above 5700 kHz broadcasting to a domestic audience.

**Part 3** covers all active Clandestine shortwave stations, listed with schedules and identifications.

Finally, **Part 4** indicates deleted frequencies between 2 and 30 MHz that have not been reported heard during the



domestic broadcasting survey past five years, but which may reappear.

The DBS is a must for every DXer! All buyers of DBS-10 will get a username and password to access monthly updates on the tropical bands published as 'Tropical Bands Monitor' on the DSWCI website. Data from past years 2005, 2006 and 2007 is also available at www.dswci.org/tbm

The 36-page A4 size DBS-10 is available by e-mail in pdf format (about 175 KB). A limited number of printed copies are also produced. To purchase the email or hard copy, write to the Treasurer: DSWCI, c/o Bent Nielsen, Egekrogen 14, DK 3500 Vaerloese, Denmark. The cost for the E-Mail edition is US\$9.00 or EUR 5,00 or GBP 4,00 or 5 IRC 5. The cost for the printed edition is DKK 80,00 or USD 17.00 or EUR 11,00 or GBP 8,00 or SEK 105,00 or IRC 9. (via **BARRY WILLIAMS**)

### 60 YEARS AGO

Continuing our look back at the founding period of our organisation, with these extracts from the May 1948 issue of **DX BULLETIN (NZ**), forerunner of the **NZ DX TIMES:** Front page topics include details of US presidential primary elections in various states during June, a special DX broadcast for NZ DXers from Radio del Pueblo in El Salvador on 6000kcs, and reception of HOFA in Colon Panama on 6060kcs opening at 11.30pm with march music including the tune 'Invercargill'.

The editorial read "We have had many inquiries as to whether we intend to form a DX club in connection with "DX BULLETIN (NZ)". It is our opinion that one united DX organization would be to the benefit of all concerned, However, if the present clubs cannot arrive at a satisfactory basis for amalgamation, and the need is felt for a new club, we would have no objections to sponsoring it. Before doing so we would like to appeal to the existing bodies to make a determined effort towards amalgamation. Although there are sufficient dxers in this Dominion for more than one dx society, the benefits emerging from one united organization are too obvious to need enumerating. "THE BULLETIN" is willing to cooperate in any such move but in the meantime we feel that the supplying of reliable information with as little delay as possible between closing date and publication date is the first essential of any DX magazine. And we are endeavouring to do just that."

Shortwave highlights in the magazine include the announced start of broadcasts from the United Nations through station K2UN at Lake Success, New York on 20 May; interesting QSLs for KZCA Blue Danube Network with 350 watts on 7220 (by J**OHN STENHOUSE** of Dunedin) and OTC3 Radio Congo Belge from Leopoldville in the Belgian Congo with 7kw on 9380kcs. The latter's director advised **ARTHUR CUSHEN** of his surprise at reception in NZ as the station transmits for the Congo only; **DES HICKEY** of Petone reported TGZA Radio Oriental in Guatemala on 6600kcs, asking for reports in English and Spanish. On the broadcast band, most reported DX was from North America or Australia, a few others show up including Radio Malaya by **HAROLD LOOKER** in Dunedin, Lyon 1339 and Hanover 1330 verified by **ARTHUR CUSHEN**, and Munich 1249 by **KEN MACKEY**.

**RADIO ST HELENA**: The first batch of 110 RSD 2007 QSL cards was sent on the ship RMS St. Helena on 12. April 2008. More QSL's will follow soon.

This info is from Laura Lawrence, RSH Station Manager via Robert Kipp Radio St. Helena 40th Anniversary Souvenirs are sold out and should not be ordered any longer. If and when RSH might offer these souvenirs again has not been decided. Info via Laura Lawrence, Radio St. Helena. via Robert Kipp

## **BRANCH NEWS**

Upper Hutt

Chief Editor Mark Nicholls



#### **AUCKLAND BRANCH**

The May meeting will be at the Clubrooms on **Sunday, May 25th at 2 PM**. The June meeting will tentatively be at the Clubrooms on Sunday, June 29th at 2 PM. Meetings are held on the last Sunday of the month except December.

#### SOUTHLAND BRANCH

The next meeting is to be held at Eric McIntoshes on the 27th of May.

# **MEMBERS FREE ADVERTISEMENTS**

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### **NEW ZEALAND RADIO DX LEAGUE (Inc)**

profit organisation founded in 1948 with the main aim of promoting the hobby of Radio DXing. The NZRDXL is administered from Auckland by, NZRDXL AdCom, P.O. Box 39-596, Howick, Manukau 2145, NEW ZEALAND

Patron - Jack Fox jackfox@clear.net.nz President David Norrie president@radiodx.com National Secretary/Treasurer Phil van de Paverd secretary@radiodx.com, treasurer@radiodx.com Bryan Clark vicepresident@radiodx.com



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We are able to accept VISA or Mastercard for International members. Contact us for more details.





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