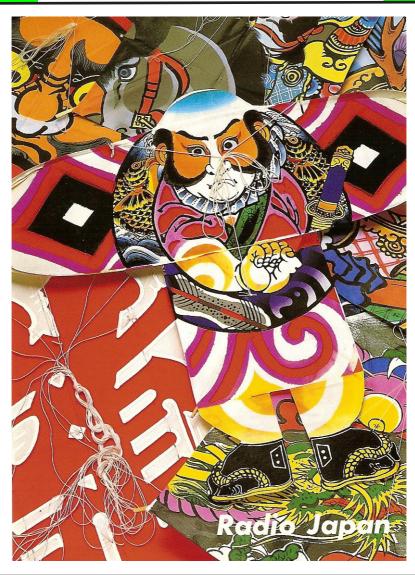
LEAGUE

New Zealand DX Times

Monthly Journal of the New Zealand Radio DX League (est 1948) February 2010 Volume 62 Number 4

http://www.radiodx.com





CONTENTS

REGULAR COLUMNS

Bandwatch Under 9	4
Bandwatch Over 9	9
with Bryan Clark English in Time Order with Yuri Muzyka	13
Fost SW Reception	15
Compiled by Mike Butler	
Shortwave Report with Ian Cattermole	16
DXissimo	20
with John Durham	
Utilities	23
with Arthur De Maine FM News and DX	25
with Adam Claydon	
TV and Satellite News	30
with Adam Claydon Mailbag	32
with Mike Butler	2-
Broadcast News/Trail	37
with Bryan Clark ADCOM News	43
with Bryan Clark	10
Branch News	46
with Chief Editor	

OTHER

On The Shortwaves	48
with Jerry Berg	
PAL RHF	48

ADVERTISEMENTS
PK's Loop Aerials 40

FRONT COVER

Radio Japan NHK QSL from the 1990's



CLOSING DATES FOR THE NEXT

3 MONTHS 2010

March Wednesday 3rd March April Wednesday 7th April May Wednesday 5th May

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.

The radiodx.com email lists (Ripple, GreylineDX, Ute and Tropo) have been closed to concentrate on the League's Yahoo mailing group dxdialog see page 44 or http://radiodx.com/nzrdxl/ for more information on how to sign up for the new group.

I am currently in the process of updating the League website. http://radiodx.com.

With the assistance of Paul Ormandy I plan to concentrate on the website on attracting new members and providing information and aids to assist current members.

A lot of the Radio Heritage material will be removed, as it is duplicated on the Radio Heritage Foundation website.

If you visit the website http://radiodx.com and see any errors or broken links please let us know at either editor@radiodx.com or Paul at zl4pw@orcon.net.nz.

Mark Nicholls (Webmaster radiodx.com)

REMINDER

From Stuart Forsyth that updated totals for the Ladders/Continents is due next month (March) ladders@radiodx.com

> Mark Nicholls Chief Editor

editor@radiodx.com

or if there is any problem with that email address you can try a secondary email address

dxtimes@gmail.com

NEW ZEALAND RADIO DX LEAGUE (Inc)

The New Zealand Radio DX League (Inc) is a non-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 Frank Glen patron@radiodx.com
President Bryan Clark president@radiodx.com
Vice President David Norrie vicepresident@radiodx.com

National Treasurer Phil van de Paverd treasurer@radiodx.com

National Secretary, Mike Butler secretary@radiodx.com Phone (09) 8389 431

Chief Editor/Publisher - Mark Nicholls editor@radiodx.com or dxtimes@gmail.com

Annual Membership:

Within New Zealand NZ\$30.00
Australia/Pacific Islands A\$45.00
Rest of World US\$33.00
All Overseas members get airmail delivery.

An Electronic magazine is available in PDF Format for US\$10 or AUS\$20 for International members or NZ\$20 for local NZ members.

We are able to accept VISA or Mastercard for International members.

Contact Treasurer for more details.

Club Magazine

The NZ DX Times. Published monthly. Registered publication. ISSN 0110-3636

Printed by ProCopy Ltd, Wellington



http://www.procopy.co.nz/

© All material contained within this magazine is copyright to the New Zealand Radio DX League and may not be used without written permission (which is hereby granted to exchange DX magazines).

Where such permission is given, acknowledgement of the NZ DX Times and the original contributor is required.

Advertising Rates:

'Marketsquare' members advertising is FREE subject to available space.

Commercial rates on request.

BANDWATCH UNDER 9MHZ

Editor Ken Baird Christchurch

email ka.baird@xtra.co.nz bandwatch.under9@radiodx.com



Please add the date, language in full, and country of transmitter origin of your logging to your report, and keep the reception details short.

Please ensure the correct station is named in your logging as I have had several cases of incorrect station loggings of late. <u>Please get a clear ID or show as tentative</u>.

kHz	UTC	Country, Station, Programme, & Reception Details
2310	0930	AUSTRALIA, ABC Northern Territory. Gd in English, //2325, 2485 better, 31/1, PP
2310	1238	AUSTRALIA, VL8A Alice Springs v good with news in English // 2485
		Katherine v good, 2325 Tennant Creek fair and noisy – DD 30/12
2368	1240	AUSTRALIA, Tentative Radio Symban Melbourne very strong, not in
		English, no ID – DD 30/12
3185	0935	USA, WWRB, fair in English, 31/1, PP
3215	0938	USA, WWCR, gd in English, religious, 31/1, PP
3290	1230	PNG, R Central good in Tok Pisin – DD 30/12
3330	0950	CANADA, CHU, time signal, gd, 31/1, PP
3905	1025	PNG, Rad, New Ireland, gd in English, 31/1, PP
3925	1216	JAPAN, R Nikkei fair but noisy in Japanese with classical
		music – DD 30/12
3945	1220	VANUATU, R Vanuatu in Bislama, closed 1230. Fair but noisy – DD 30/12
3975	1226	PAKISTAN, R Islamabad good but slight noise in unid
		language – DD 30/12
3995	1037	INDONESIA, RRI Kendari, gd in Indonesian, 31/1, PP
4405	1040	N.KOREA, VOK, fair in Japanese, 31/1, PP
4460	1140	CHINA, CNR Beijing v good in Chinese – DD 30/12
4557	1104	N.KOREA, Kor.Nat.Dem.Front, fair in Korean, 31/1, PP
4747	1130	PERU, Rad.Huanta, fair in Spanish, 31/1, PP
4760	1146	INDIA, AIR Leh fair but noisy in Hindi – DD 30/12
4780	1150	DJIBOUTI R Djibouti poor and very noisy in vernac – DD 30/12
4820	1200	TIBET, Lhasa poor and very noisy in assumed Tibetan // 4905 the
		same – DD 30/12
4845	0807	MAURITANIA Noakchott with news in AA, fair 11/1. Het from
		co-channel Brazil till abrupt closure 0830, when freq due to
		change to 7245. Also noted 20/1 at 1857 with Quran. BCM
4905	1045	TIBET, PBS, fair in presumed Tibetan, //4920 same, 30/1, PP
4910	0820	AUSTRALIA, ABC, Tennant Creek, talk about the tennis, gd in English, 29/1, PP
4910	1210	INDIA, AIR Jaipur fair with much static, in Hindi // 4920 Chennai the
		same. – DD 30/12
5020	1135	SOLOMON IS, SIBC v good in English with relay of BBC – DD 30/12

- 5030 1340 MALAYSIA.Sarawak.Kuching? Poor with Mx. Short Nx bulletin. LL 1400 29/1 JD
- 5040 0710 ECUADOR. Voz Upana (presumed) Fair. IC 25/1
- 5765U 1100 GUAM, AFN with news in English DD 30/12
- 5770 1228 MYANMAR (TENT) Defence Forces Radio fair with Mx and LL ancts.26/1 JD
- 5890 0628 USA, WWCR good in English // 5935 fair DD 7/1
- 5915 2000 GERMANY. Bible Voice BC. Via MB. Fair in Korean after English IDs. IC 3/1
- 5945 1900 CYPRUS BBC stn id world briefing news EE s3/4 rp 15/1
- 5955 0710 NETHERLANDS, RN v good in Dutch DD 12/1
- 5965 1626 SRI LANKA, D Welle fair in English with news headlines, distorted // 9560 clearer CC 22/1
- 5980 1819 TURKEY, TRT general prgm in Turkish, fair // 6120 the same BDW 23/1
- 5985 1445 MYANMAR (TENT), poor level with Mx and softly spoken Annots in unident LL.25/1 JD
- 6045 0600 CANADA. KBS World via Sackville. Good in Spanish. Off 2000utc. IC12/1
- 6049.6 1500 MALAYSIA.Sarawak. Sibu ? Noted with Time Sig.& mentions of Malaysia.LL. Fair.29/1 JD
- 6050 0829 ECUADOR HCJB Quito Domestic Service opening with Ecuadorian National Anthem, good 3/1. BCM
- 6055 1747 SLOVAKIA, R Slovakia Intl fair in English with talk about the Olympics, ID 1748, steady QRM CC 7/1
- 6065 0747 SWEDEN, R Sweden v good in Swedish DD 15/1
- 6075 2034 GERMANY, D Welle poor in German DD 30/12
- 6080 2039 AUSTRALIA, R Australia very noisy with PNG service DD 30/12
- 6115 0630 CUBA. RHC. VG in Spanish. IC13/1
- 6120 0650 NETHERLANDS, RN good in Dutch DD 7/1
- 6120 0845 NETHERLANDS Radio Netherland discussion not in English good reception BB 29/1/
- 6130 1400 LAOS.Lao Nat Radio. Fair with Nx in LL 25/1 JD
- 6150 1945 GERMANY. Radio Liberty via Lampertheim. Fair in Belarussian. IC 4/1
- 6155 0709 AUSTRIA, Nx in EE at this time. Nx in FF at 0712. Off at 0715.F/Gd. 28/01 JD
- 6165 0600 NETH ANTILLES, RN relay of prgm in Dutch, excellent BDW 27/1
- 6180 1800 INDIA. AIR Bangalore. Poor in English. Co-channel QRM. IC 12/1
- 6260 2000 MOLDOVA Family Radio via Grigoripol testing here 21/1. Interval signal then Bible Reading in EE and into 'Open Forum' with Brother Harold Camping, fair. BCM
- 6915 0700 USA, Family Radio, signing on in English, good, 29/1, PP
- 7100 1700 NORTH KOREA VOK news stn id s/3 EE, RP 1/10
- 7145 1330 LAOS. Lao Nat.Radio. Poor to Fair in EE with ID and Nx.28/1 JD
- 7165 1600 ETHIOPIA. Radio Ethiopia. Fair in English. IC 16/1
- 7215 1848 ROMANIA, R Romania Intl fair in English with female vocalist, ID 1850, light QRM CC 8/1
- 7240 2030 AUSTRALIA, R Australia fair but very noisy in PNG service DD 22/12
- 7240 2032 AUSTRALIA, R Australia v good in English with comment on Austalian poetry.IS 2045 followed by news KAB 16/1
- 7245 0740 VATICAN, Vatican Radio good with news in English DD 15/1
- 7245 0840 MAURITANIA RTM Novakchott opening abruptly 11/1 with fair-good,

- clear signal. References to 'Mauritanie' at 0845. Blocked by China at 0900. BCM
- 7250 0340 RUSSIA, VOR fair in English with music, another in series of folk music of Russia KAB 23/1
- 7255 2203 TIBET, Xizang Lhasa poor in Chinese DD 4/1
- 7260 1900 UK. Eglise du Christ via Skelton. Weak in French. Thursdays utc only. IC 29/1
- 7275 2020 SPAIN, REE good in Spanish with football commentary KAB 16/1
- 7285 2016 CHINA, CRI fair with news in English DD 7/1
- 7290 1708 VATICAN, Vatican Radio fair with prgm in French and English // 5885 poor, 7250 poor BDW 02/1
- 7320 2014 İRAN, VOIRI fair in English with prgm on mosques in Iran, ID 2018 then into comment and music KAB 16/1
- 7330 1900 RUSSIA Voice of Russia news stn ids EE s/4. RP 29/1
- 7345 0645 CZECH REP, R Prague good reception, programme not in English BB 25/1
- 7345 0800 CZECH REP, Radio Prague news in English, excellent reception BB 29/1/30
- 7365 1950 VATICAN, Vatican Radio goods with Rosary in Latin, IS 2000, ID : African Service of Vatican Radio" KAB 16/1
- 7370 0630 ROMANIA, Radio Romania International , english radio news real excellent BB
- 7370 0645 ROMANIA Radio Romania Intl excellent reception in English BB 25/1
- 7375 0350 CROATIA, V of Croatia fair in Spanish with comment, ID, singing.
 Tones at 0400 then off KAB 23/1
- 7375 1945 CYPRUS, BBC WS good in Arabic with comment, ID 1946 KAB 16/1
- 7400 0338 BULGARIA, R Bulgaria good in English with music and ID at 0340. Signal was weaker at 0534 utc on 10/01. – CC 1/1
- 7400 0730 BULGARIA, Radio Bulgaria female speaking fair reception BB 29/1/30
- 7400 0750 BULGARIA, R Bulgaria Intl good in English with classical music DD 24/12
- 7415 1945 CHINA, Presumed CRI good in unid language with comment KAB 16/1
- 7425 1940 FRANCE, Presumed RFI v good in French with comment KAB 16/1
- 7430 1530 KAZAKHISTAN. Voice of Orthodoxy. Fair in Russian. Tuesday/Fridays only.- IC 15/1
- 7430 2030 KUWAIT VOA special english prgn stn id s2/3. RP 16/1
- 7430 2100 ALBANIA Radio Tirana stn id EE prgm/news s/on untill s/off s/2/3. RP 21/1
- 7435 1940 VATICAN, Vatican Radio good with Rosary in Latin BDW 30/12
- 7440 0615 ROMANIA, R Romania Intl, v good in English with listeners' letters. BB 24/1
- 7440 0651 UKRAINE, R Ukraine Intl excellent reception in English BB 25/1
- 7450 1930 GREECE, presumed V of Greece good in Greek with pleasant Greek music KAB 16/1
- 7470 1531 KUWAIT, KWT good with programme in assumed Tibetan!! // 7530 poor BDW 23/1
- 7505 1400 PHILIPPINES. FEBC. Good in Mandarin.- IC 17/1
- 7530 1700 PAKISTAN. Radio Pakistan. Good in Urdu.- IC 3/1
- 7580 2024 SRI LANKA, presumed R Farda poor in Farsi with comment and music KAB 5/12

OVERSEAS LOGGINGS. All may not be audible in NZ at the times listed

- FREQ UTC Country, Station, Programme & Reception Details 4894.9 0428 BRAZIL, Radio Novo Tempo (Tentative), 0428-0536 Jan 10, mainly soft musical programming with some Portuguese talks by a man announcer. No definitive ID heard and programming was rather non-descript at this late hour. Weak signal with deep fades. (D'Angelo-PA)
- BRAZIL, Radio Capixaba, 0534-0610 Dec 25, excited man preaching 4935.2 0534 in Portuguese until 0556 when there was a series of announcements and jingle ID. After brief instrumental music bridge, another man gave ID and frequency announcements. A pop music selection followed before the preacher returned with another Christmas Day sermon. Poor to fair with CODAR QRM. (D'Angelo-PA)
- 4949.8 0454 ANGOLA, Radio Nacional de Angola, 0454-0520 Dec 21, noted with man speaking in Portuguese before crowd. Music at 0458 indicating end of program with man giving announcements over music. Four time pips at 0500 followed by ID and news headlines. Another man gave new details with several remote reports. At 0516 another ID followed by group vocals. Poor to fair. (D'Angelo-PA)
- 2325 PERU, Radio Cultural Amauta, 2325-2351 Jan 16, man with Spanish 4955 talk followe dby a woman at 2332 with ID and several announcements. OA vocals before TC at 2338 and more talk. Poor. (D'Angelo-PA)
- 0449 SAO TOME, Voice of America Pinheira, 0449-0503 Jan 6, VOA News 4960 Now program in English with man hosting various news features. At 0457 Today in History followed by ID and change in language to Hausa programming ("This is the Voice of America. The following program is in Hausa."). Poor to fair. (D'Angelo-PA)
- 0502 SURINAME, Radio Apintie, 0502-0525 Dec 28, program of easy 4990 listening instrumental music and vocals. A woman announcer spoke in English at 0517, gave station ID and several announcements. Back to continuous soft pop vocals at 0518. Fair. (D'Angelo-PA)
- 0520 COLOMBIA, Marfil Estereo, 0520-0606 Jan 7, program of continuous 5910 Latin vocals and music. Periodic quick IDs by a man between musical selections. Fair. (D'Angelo-PA)
- 2303 MALI, Radiodiffusion-Television du Mali, 2303-2327 Jan 1, French pop 5995 vocals and ballads hosted by a man announcer with French language talk. ID at 2318 seemingly ending pop music program with to a woman announcer beginning a long talk in French. Fair. (D'Angelo-PA)
- 0407 ETHIOPIA, Radio Oromiva, 0407-0504 Dec 28, news by a man 6030 announcer in presumed Oromo language. Instrumental music at 0414 with another man talking over the music ending the news. ID followed by Horn of Africa vocals. Mix of talks and HoA music until ID at 0500 followed by a talk by another man announcer. Fair to good at tune in but beginning to fade around 0450. This is becoming a

- Sunday night/Monday morning regular after the Cuban jammer leaves the airwaves. (D'Angelo-PA)
- 6065 0615 SWEDEN, Radio Sweden, 0615-0642 Dec 25, man with Swedish talk hosting a program of Christmas music. ID at 0630 by a woman announcer into talk features. Fair. (D'Angelo-PA)
- 6250 0602 EQUATORIAL GUINEA, Radio Nacional de Malabo, 0602-0625
 Dec 22, tribal vocals followed by a man announcer with Spanish
 talk, ID, drums followed by news program. Frequent mentions of
 Malabo during the news. Poor to fair. (D'Angelo-PA)
- 6925U 0150 PIRATE (No. Am.), Voice of Frank, 0150-0157* Dec 20, man hosting Christmas program with "I Saw Mommy Kissing Santa Claus", IDs, e-mail address (voiceoffrank@gmail.com), Spike Jones music at closedown. Good signal. (D'Angelo-PA)
- 7125 2220 GUINEA, Radio Guinee, 2220-2325 Jan 9, lively program of highlife vocals and music hosted by a man announcer with French talk occasionally taking phone calls from listeners.

 Nice program. Fair. (D'Angelo-PA)

My thanks to all the contributors for this month.

Ken Baird

CONTRIBUTORS FOR THIS MONTH

- **BB** Bob Boundy, Christchurch, ATS 909, random wire
- **BCM** Bryan Clark at Mangawhai with AOR7030+ and Alpha Delta Sloper, EWEs to NE, E and SE, plus various 100 metre BOGs to the Americas
- **BDW** Brian Webb, Upper Hutt, Watts DE1104 portable whip, Yaesu FT757 GXII with 5m wire.
- CC Cliff Couch, Paraparaumu, ATS 803A, 60m horizontal loop
- DD Des Davey, Te Kuiti, Eton E5, National DR 45, 50m long wire, 50m "L
- IC Ian Cattermole, Blenheim, JRC 535, Icom IC-746 Pro, EWE
- KAB Ken Baird, Christchurch, Kenwood R5000, R1000, 18m Wire, SW Eavesdropper
- **JD** John Durham, Tauranga, JRC535D with a Inverted L Antenna.
- (**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, Mangonui, Receiver Icom R71E, antenna 25M EWE.
- RP Roger Pryde Dunedin Sangean ATS8030A Yaesu FRG7000, National RFB300 DIG 30m longwire E/W direction.

Contributions to this column may be sent to

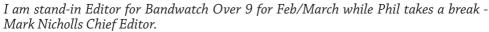
PO Box 39-596, Howick, Manukau 2145, or K A Baird, 10 Sarabande Avenue, Christchurch, 8051. e-mail to ka baird@xtra.co.nz

BANDWATCH OVER 9MHZ

Editor

Phil van de Paverd email

Auckland bandwatch.over9@radiodx.com



Please excuse any mistakes as I am not an active listener on the Shortwave bamds these days.

kHz	UTC	Country, Station, Programme, & Reception Details
9170	1740	CHINA, V.O. Shenzhou Fair with class mx //6165 good, 11/1, KB
9250	1729	EGYPT, Wadi el Nil, Fair/poor in AA & mx, 11/1, KB
9320	1835	GERMANY, VOA, exc in Arnharic, 30/1, PP
9330	1840	SYRIA, Rad.Damascus, v/gd in GG, 30/1, PP
9355	2200	USA, Fam Radio, fair in FF, with hymn "Abide with me", 2/2, PP
9390	1945	FRANCE. RGV Alegerienne via Issouden VG in Arabic. 4/1 IC
9390	1845	FRANCE, R.Algerienne Holy Qur`an, gd in AA, 30/1, PP
9395	1100	THAILAND. Mashaal Radio via Udorn. VG in Pashto. 19/1 IC
9395	1600	GERMANY VOA Lampertheim news and special English fair 20.1 TN
9395	1100	THAILAND Mashaal R. via UdonThani lingo Pashto. "New Radio Station"
		from RFE/RL. Fair 20.1 TN
9405	1848	GERMANY, RFE/R.LIBERTY, gd in RR, 30/1, PP
9410	1849	SEYCHELLES, BBC, gd in EE, 30/1, PP
9445	1915	INDIA, AIR, gd in EE with nx, 30/1, PP
9455	1916	MARIANES ISL, RFA, gd in CC, 30/1, PP
9490		CHINA, CRI, fair in SS, 2/2, PP
9565	0703	BRAZIL, R.Super Deus e Amor, Fair in PP & relg //6060 weak, 10/1 KB
9570	2210	MARIANES, RFA, fair in CC, //11740 much better,//11775 exc, 2/2,PP
9575	0417	MOROCCO, R.Medi Intnl, Fair/poor in AA & mx, 17/1, KB
9575	0830	MOROCCO R.Medi 1, Nador with Arabic/French playing Roy Orbinson.
		Fair 24.1 TN
9600	2215	VATICAN CITY, Rad. Vatican, poor in CC, 2/2, PP
9625		CYPRUS BBC, Zygi World News .Good 14.0 TN
9630	0749	BRAZIL, R.Aparecida, Poor in PP & mx //6135 P/F, 3/1, KB
9645	0913	BRAZIL, R.Bandeirantes, Fair in PP, TS on qtr hr //11925 poor, 24/1, KB
9680	0957	· · · · · · · · · · · · · · · · · · ·
9685	1625	GERMANY. TWR via MB. VG in Armenian. 11/1 IC
9690	0400	ROMANIA RRI INT Sign on STN ID S/3 EE 27/1 RP
9715	0728	USA, WYFR, Poor in SS (splatter from 9710), I/S 0744, 3/10, KB
9740	2217	SINGAPORE, BBC, with nx, v/gd in EE, 2/2, PP
9750	1030	GREAT BRITAIN BBC STN IDS NEWS S/4 EE 27/1 RP
9770	1400	GERMANY. WYFR via MB. VG in English. 6/1 IC

- 9785 0800 N.ANTILLES. RDW via Bonaire. VG in German. 5/1 IC
- 9790 0330 CUBA. CRI via RHC. Fair in English. 3/1 IC
- 9790 2000 FRANCE RFI INT STN ID EE News S2/3 31/1 RP
- 9805 0400 FRANCE RFI INT EE STN IDS News S2/3 22/1 RP
- 9820 0720 BRAZIL, R.Nove de Julho, Poor/fair in PP, mx, jingles, ID 0735, 9/1, KB
- 9855 0230 PORTUGAL. RDP. Good in Portuguese. 13/1 IC
- 9870 1244 INDIA, AIR Bengaluru, Good in Hindi & mx, 25/1, KB
- 9895 0620 MOLDOVA, R.Netherlands, Good in Dutch nx, 9/1, KB
- 9895 1600 FRANCE RNW, Issoudun news in Dutch. Good 11.1 TN
- 9930 1015 PALAU T8WH, Medorm WHRI program. Fair 23.1 TN
- 9930 0900 PALAU WORLD HARVEST RADIO WHRI STN IDS IRN News EE S3/4 20/1 RP
- 9975 2220 N.KOREA, VOK, gd in CC, 2/2, PP
- 11550 2224 TAIWAN, Rad. Austr, gd in Indonesian, 2/2, PP
- 11560 2225 PHILIPPINES, VOA, with sport nx, exc in EE, 2/2, PP
- 11605 2028 RWANDA, DW, Poor in GG, 2030 I/S, 11/1, KB
- 11605 1100 SRI LANKA. Mashaal Radio voa Iranawila. Good in Pashto. 25/1 IC
- 11655 1759 MADAGASCAR, R.Netherlands, Fair in EE s/on & nx, 11/1, KB
- 11655 0200 PORTUGAL RDP, São Gabriel news and songs in Portuguese. Good 23.1 TN
- 11685 2229 GUAM, KSDA-AWR, gd in CC,//11895, 2/2, PP
- 11695 2230 AUSTRALIA, Rad. Austr, exc in Indonesian, 2/2, PP
- 11705 1938 FRANCE, RFI, fair in FF, 30/1, PP
- 11710 0300 ARGENTINA RAE, Buenos Aires French at this time, back on the SW again after a breakdown. Fair 23.1 TN
- 11735 1004 BRAZIL, R.Transmundial, Good in PP & mx, several IDs, 24/1, KB
- 11735 1000 BRAZIL R.Transmundial, Santa Maria Portuguese songs and ID. Good 16.1 TN
- 11740 0730 VATICAN. Radio Vaticana. Good in English. 18/1 IC
- 11780 0959 BRAZIL, R.Nacional da Amazonia Fair in PP, ID MA 1000, 30/1, KB
- 11780 0654 BRAZIL Radio Nacional da Amazonia with popular music, PP ident 0700 very good strength 9/1 but co-channel QRM. // 6185 excellent. BCM
- 11780 1000 BRAZIL R.Nac. Amazonia, Brasilia ID in Portuguese. Good 17.1 TN
- 11815 0420 BRAZIL, R.Brasil Central, Fair in PP, mx, ID MA 0425, 3/1, KB
- 11815 0800 BRAZIL R.Brasil Central, Guiàna Portuguese good until R.Japan took over at 0855. 15.1 TN
- 11835 1145 PHILIPPINES. FEBC. Fair in Asian Dialects. Language change at 1200utc. 7/1 IC
- 11860 1935 LYBIA, V. of Africa, gd in Hausa, 30/1, PP
- 11910 2243 JAPAN, Rad.Japan, gd in JJ, 2/2, PP
- 11915 1000 BRAZIL R.Gaúcha, Porto Alegre Good in Portuguese when China closed at 1000. 20.1 TN
- 11925 1018 BRAZIL, R.Bandeirantes, Poor in PP & mx, 30/1, KB
- 11945 0400 SEYCHELLES. BBC. Poor in English. 3/1 IC
- 12005 1930 TUNESIA, RTV Tunisia, gd in AA, 30/1, PP
- 12015 2245 N.KOREA, VOK, gd in SS, 2/2, PP
- 12040 2248 AUSTRALIA, Rad.Austr, gd in EE,//12080, 2/2, PP
- 13362 2300 GUAM, AFN, USB, with ID, gd in EE, 2/2, PP
- 13640 2304 MARIANES, VOA, gd in Vietnamese, talk about superbowl in Miami, 2/2, PP

13690 2310 AUSTRALIA, Rad. Austr. with nx, exc in EE, 2/2, PP 13700 1100 SRI LANKA. Mashaal Radio via Iranawila. Fair in Pashto. IC 13700 1100 SRI LANKA. Mashaal R same as 9395 from Thailand. Fair 20.1 TN 15100 0015 N.KOREA, VOK, fair in CC, 2/2, PP 15115 2022 USA WYFR EE poor to fair 15/1 DD 15135 0018 MARIANES, RFA, gd in Vientamese, 2/2, PP 15180 0024 N.KOREA, VOK, gd in SS, 2/2, PP 15205 0024 PHILIPPINES, VOA, gd in Indonesian, ID at 0025, 2/2, PP 15225 1925 NETH. ANTILLES, VOA, fair in FF, 30/1, PP 15250 2300 CUBA. R.Naccional de Venezuela via RHC. Fair in Spanish. 18/1 IC 15250 2300 CUBA. R.Naccional de Venezuela via RHC. Fair in Spanish. 18/1 IC 15250 2300 CUBA. R.Naccional de Venezuela, gd in SS, 30/1, PP 15295 1920 PMALAYSIA VOICE OF ISLAM STN ID NEWS EE S2/3 14/1 RP 15335 0025 TAIWAN, Rad.Austr, fair in Indonesian, surging badly, 2/2, PP 15345 2225 ARGENTINA RAE Buenos Aires reactivated 28/1 with Italian, poor but clear. Time pips 2230. Goes into SS at 2300. Frequency measured as 15344.63v. BCM 15360 0805 SINGAPORE. Voice of Croatia voa Kranji. Strong on Croatian. 27/1 IC 15390 1845 USA VOA Greenville on extended schedule in Creole since Haiti earthquake. Poor-fair but clear 20/1 // 17565 weak. BCM 15400 0115 AUSTRALIA, H.CJB, gd in Punjabi, 30/1, PP 15401 0030 AUSTRALIA, H.CJB with ID, exc in Rowang, 2/2, PP 15450 0307 PHILIPPINES, FEBC, exc in Shan, 2/2, PP 15450 0307 PHILIPPINES, FEBC, exc in Shan, 2/2, PP 15450 1130 VEALUR AND AUSTRALIA, H.CJB with ID, exc in Rowang, 2/2, PP 15590 0459 PALAU R. Australia relay, Fair in Indonesian news. Poor signal with // Shepparton 15180 vgd, 15415 exc and Taiwan relay 11745 poor. BCM 15655 0100 PALAU. R. Australia relay. Fair in indonesian news. Poor signal with // Shepparton 15180 vgd, 15415 exc and Taiwan relay 11745 poor. BCM 15720 2334 NEW ZEALAND RNZ ET ROWAND RIB E still in progress. Kookaburra call then Burmese tx, fair good. // Shepparton 17665 was very good. BCM 15720 2334 NEW ZEALAND RNZ ET RN ID National News EE S 3/4 29/1 RP 15800 0411 PALAU. Radio A			
13700 1100 SRI LANKA. Mashaal Radio via Iranawila. Fair in Pashto. IC 13700 1100 SRI LANKA Mashaal Radio via Iranawila. Fair in Pashto. IC 13700 0105 N.KOREA, VOK, fair in CC, 2/2, PP 15115 2022 USA WYFR EE poor to fair 15/1 DD 15135 0118 MARIANES, RFA, gd in Vietnamese, 2/2, PP 15180 0020 N.KOREA, VOK, gd in SS, 2/2, PP 15205 0024 PHILIPPINES, VOA, gd in Indonesian, ID at 0025, 2/2, PP 15225 1925 NETH. ANTILLES, VOA, fair in FF, 30/1, PP 15250 2300 CUBA. R.Nacional de Venezuela via RHC. Fair in Spanish. 18/1 IC 15250 2300 CUBA. R.Nacional de Venezuela yia RHC. Fair in Spanish. 18/1 IC 15290 1000 PHILIPPINES. Radio Veritas. Good in Urdu after English IDs. 9/1 IC 15290 1000 CUBA, R. Nacional Venezuela, gd in SS, 30/1, PP 15295 0900 MALAYSIA VOICE OF ISLAM STN ID NEWS EE S2/3 14/1 RP 15335 0025 TAIWAN, Rad-Austr, fair in Indonesian, surging badly, 2/2, PP 15345 2225 ARGENTINA RAE Buenos Aires reactivated 28/1 with Italian, poor but clear. Time pips 2230. Goes into SS at 2300. Frequency measured as 15344.63v. BCM 15360 0805 SINGAPORE. Voice of Croatia voa Kranji. Strong on Croatian. 27/1 IC 15390 1845 USA VOA Greenville on extended schedule in Creole since Haiti earthquake. Poor-fair but clear 20/1 // 17565 weak. BCM 15400 0115 AUSTRALIA, HCJB, gd in Punjabi, 30/1, PP 15435 0034 PHILIPPINES, FEBC, exc in Shan, 2/2, PP 15435 0034 PHILIPPINES, FEBC, exc in Shan, 2/2, PP 15435 0034 PHILIPPINES, FEBC, exc in Shan, 2/2, PP 15436 0130 PHILIPPINES, FEBC, exc in Shan, 2/2, PP 15450 0100 PALAU. R. Australia via new relay site 20/1. WHRI ident & address then familiar ABC news theme and into Indonesian news. Poor signal with // Shepparton 15180 vgd, 15415 exc and Taiwan relay 11745 poor. BCM 1550 0509 PALAU. R. Australia relay. Fair in Indonesian sin news. Poor signal with // Shepparton 15180 vgd, 15415 exc and Taiwan relay 11745 poor. BCM 15700 0200 NEW ZEALAND RNZI EE with Health Report. Poor 7/1 DD 15655 0110 PALAU. R. Australia relay. Fair in Indonesian service on EE language lesson 20/1, fair to good. Shepparton 1/5 65	13690	2310	ALISTRALIA Rad Austr with nx exc in FE 2/2 PP
13700 1100 SRI LANKA Mashaal R same as 9395 from Thailand. Fair 20.1 TN 15100 0015 N.KOREA, VOK, fair in CC, 2/2, PP 15115 2022 USA WYFR EE poor to fair 15/1 DD 15135 0018 MARIANES, RFA, gd in Vietnamese, 2/2, PP 15205 0024 PHILIPPINES, VOA, gd in SS, 2/2, PP 15205 1925 NETH. ANTILLES, VOA, fair in FF, 30/1, PP 15225 1925 NETH. ANTILLES, VOA, fair in FF, 30/1, PP 15250 2300 CUBA R.Nac.Venezuela, Habana Spanish fair 18.1 TN 15280 0100 PHILIPPINES, Radio Veritas. Good in Urdu after English IDs. 9/1 IC 15290 1920 CUBA, R. Nac.ional Venezuela, gd in SS, 30/1, PP 15335 0025 TAIWAN, Rad.Austr, fair in Indonesian, surging badly, 2/2, PP 15345 2225 ARGENTINA RAE Buenos Aires reactivated 28/1 with Italian, poor but clear. Time pips 2230. Goes into SS at 2300. Frequency measured as 15344.63v. BCM 15360 0805 SINGAPORE. Voice of Croatia voa Kranji. Strong on Croatian. 27/1 IC 15390 1845 USA VOA Greenville on extended schedule in Creole since Haiti earthquake. Poor-fair but clear 20/1 // 17565 weak. BCM 15400 0115 AUSTRALIA, HCJB, gd in Punjabi, 30/1, PP 15400 0030 AUSTRALIA, HCJB with ID, exc in Rawang, 2/2, PP 15410 0030 CHINA. CRI. Fair in English. 24/1 IC 15450 0034 PHILIPPINES, FEBC, exc in Shan, 2/2, PP 15450 1130 PHILIPPINES, FEBC, exc in Shan, 2/2, PP 15450 1130 PHILIPPINES, FEBC, exc in Cc, 2/2, PP 15590 0500 PALAU. R. Australia relay. Fair in Indonesian news. Poor signal with // Shepparton 15180 vgd, 15415 exc and Taiwan relay 11745 poor. BCM 15655 0100 PALAU. R. Australia relay. Fair in Indonesian news. Poor signal with // Shepparton 15180 vgd, 15415 exc and Taiwan relay 11745 poor. BCM 15700 0200 NEW ZEALAND RNZ ISTN ID Natioal News EE S 3/4 29/1 RP 15720 0200 NEW ZEALAND RNZ ISTN ID Natioal News EE S 3/4 29/1 RP 15780 0411 PALAU Radio Australia via new relay site with Indonesian Service on EE language lesson 20/1, fair to good. Shepparton 1//s 15415 & 15180 both very good. Tiwing in leay to the freqs continued. BCM			
15100 0015 N.KOREA, VOK, fair in CC, 2/2, PP 15115 2022 USA WYFR EE poor to fair 15/1 DD 15135 0018 MARIANES, RFA, gd in Vietnamese, 2/2, PP 15180 0020 N.KOREA, VOK, gd in SS, 2/2, PP 15205 0024 PHILIPPINES, VOA, gd in Indonesian, ID at 0025, 2/2, PP 15225 1925 NETH. ANTILLES, VOA, fair in FF, 30/1, PP 15250 2300 CUBA R. Nacivenezuela, Habana Spanish fair 18.1 TN 15280 0100 PHILIPPINES, Radio Veritas. Good in Urdu after English IDs. 9/1 IC 15290 1920 CUBA, R. Nacional Venezuela, gd in SS, 30/1, PP 15295 9000 MALAYSIA VOICE OF ISLAM STN ID NEWS EE S2/3 14/1 RP 15335 0025 TAIWAN, Rad.Austr, fair in Indonesian, surging badly, 2/2, PP 15345 2225 ARGENTINA RAE Buenos Aires reactivated 28/1 with Italian, poor but clear. Time pips 2230. Gooes into SS at 2300. Frequency measured as 15344.63v. BCM 15360 0805 SINGAPORE. Voice of Croatia voa Kranji. Strong on Croatian. 27/1 IC 15390 1845 USA VOA Greenville on extended schedule in Creole since Haiti earthquake. Poor-fair but clear 20/1 // 17565 weak. BCM 15400 0015 AUSTRALIA, HCJB, gd in Punjabi, 30/1, PP 15400 0030 AUSTRALIA, HCJB with IID, exc in Rawang, 2/2, PP 15440 0036 PHILIPPINES, FEBC, exc in Shan, 2/2, PP 15450 1130 PHILIPPINES, FEBC, exc in Shan, 2/2, PP 15450 0034 PHILIPPINES, FEBC, exc in Shan, 2/2, PP 15450 0036 PHILIPPINES, FEBC, exc in Shan, 2/2, PP 15450 0036 PALAU. R. Australia via new relay site 20/1. WHRI ident & address then familiar ABC news theme and into Indonesian news. Poor signal with // Shepparton 15180 vgd, 15415 exc and Taiwan relay 11745 poor. BCM 15650 0100 PALAU. R. Australia relay, Fair in Burmese. 21/1 IC 15650 0050 PALAU. R. Australia relay, Fair in Indonesian news. Poor signal with // Shepparton 15180 vgd, 15415 exc and Taiwan relay 11745 poor. BCM 15700 2034 NEW ZEALAND RNZ ISTN ID Natioal News EE S 3/4 29/1 RP 15700 0240 NEW ZEALAND RNZ ISE With Health Report. Poor 7/1 DD 15655 0100 PALAU Radio Australia via new relay site with Indonesian Service on EE language lesson 20/1, fair to good. Shepparton 1/s 15415 & 15180 both very good. Tiv			
15115 2022 USA WYFR EE poor to fair 15/1 DD 15135 0018 MARIANES, RFA, gd in Vietnamese, 2/2, PP 15180 0020 N.KOREA, VOK, gd in SS, 2/2, PP 15205 0024 PHILIPPINES, VOA, gd in Indonesian, ID at 0025, 2/2, PP 15225 1925 NETH. ANTILLES, VOA, fair in FF, 30/1, PP 15225 2300 CUBA. R.Nacional de Venezuela via RHC. Fair in Spanish. 18/1 IC 15250 2300 CUBA. R.Nacional de Venezuela via RHC. Fair in Spanish. 18/1 IC 15250 1000 PHILIPPINES. Radio Veritas. Good in Urdu affer English IDs. 9/1 IC 15290 1920 CUBA, R. Nacional Venezuela, gd in SS, 30/1, PP 15295 0900 MALAYSIA VOICE OF ISLAM STN ID NEWS EE S2/3 14/1 RP 15335 0025 TAIWAN, Rad.Austr, fair in Indonesian, surging badly, 2/2, PP 15345 2225 ARGENTINA RAE Buenos Aires reactivated 28/1 with Italian, poor but clear. Time pips 2230. Goes into SS at 2300. Frequency measured as 15344.63v BCM 15360 0805 SINGAPORE. Voice of Croatia voa Kranji. Strong on Croatian. 27/1 IC 15390 1845 USA VOA Greenville on extended schedule in Creole since Haiti earthquake. Poor-fair but clear 20/1 // 17565 weak. BCM 15400 0115 AUSTRALIA, HCJB, gd in Punjabi, 30/1, PP 15400 0030 AUSTRALIA, HCJB, with ID, exc in Rawang, 2/2, PP 15430 1034 PHILIPPINES, FEBC, exc in Shan, 2/2, PP 15450 1130 PHILIPPINES, FEBC, exc in Shan, 2/2, PP 15450 1130 PHILIPPINES, FEBC, exc in CC, 2/2, PP 15590 0500 PALAU. R. Australia relay. Fair in Indonesian. 27/1 IC 15590 0500 PALAU. R. Australia relay. Fair in Indonesian news. Poor signal with // Shepparlon 15180 vgd, 15415 exc and Taiwan relay 11745 poor. BCM 15610 2100 USA WEWN EE poor to fair 15/1 DD 15655 0109 PALAU. R. Australia relay. Fair in Indonesian news. Poor signal with // Shepparlon 15180 vgd, 15415 exc and Taiwan relay 11745 poor. BCM 15700 2334 NEW ZEALAND RNZ IST ID National News EE S 3/4 29/1 RP 15700 0200 NEW ZEALAND RNZ STN ID National News EE S 3/4 29/1 RP 15700 0201 NEW ZEALAND RNZ STN ID National News EE S 3/4 29/1 RP 15700 0411 PALAU. Radio Australia via new relay site with Indonesian Service on EE language lesson 20/1, fair to good. Shepparton //s			
15135 0018 MARIANES, RFA, gd in Vietnamese, 2/2, PP 15120 0020 N.KOREA, VOK, gd in SS, 2/2, PP 1520 1925 PHILIPPINES, VOA, gd in Indonesian, ID at 0025, 2/2, PP 1525 1925 NETH. ANTILLES, VOA, fair in FF, 30/1, PP 15250 2300 CUBA. R.Nacional de Venezuela via RHC. Fair in Spanish. 18/1 IC 15250 2300 CUBA. R.Nacional de Venezuela via RHC. Fair in Spanish. 18/1 IC 15250 1920 CUBA. R. Nacional Veritas. Good in Urdu after English IDs. 9/1 IC 15290 1920 CUBA, R. Nacional Venezuela, gd in SS, 30/1, PP 15295 0900 MALAYSIA VOICE OF ISLAM STN ID NEWS EE 52/3 14/1 RP 15335 0025 TAIWAN, Rad. Austr, fair in Indonesian, surging badly, 2/2, PP 15345 2225 ARGENTINA RAE Buenos Aires reactivated 28/1 with Italian, poor but clear. Time pips 2230. Goes into SS at 2300. Frequency measured as 15344.63v. BCM 15300 1845 USA VOA Greenville on extended schedule in Creole since Haiti earthquake. Poor-fair but clear 20/1 // 17565 weak. BCM 15400 0115 AUSTRALIA, HCJB, gd in Punjabi, 30/1, PP 15400 0030 AUSTRALIA, HCJB, with ID, exc in Rawang, 2/2, PP 15435 0034 PHILIPPINES, FEBC, exc in Shan, 2/2, PP 15440 0036 USA, Fam Radio, gd in EE, religious, 2/2, PP 15450 1130 PALAU Radio Australia via new relay site 20/1. WHRI ident & address then familiar ABC news theme and into Indonesian news. Poor signal with // Shepparton 15180 vgd, 15415 exc and Taiwan relay 11745 poor. BCM 15655 0106 PALAU. R. Australia relay. Fair in Burmese. 21/1 IC 15655 0107 PALAU. R. Australia relay. Fair in Burmese. 21/1 IC 15655 0107 PALAU. R. Australia relay. Fair in Burmese. 21/1 IC 15650 0109 PALAU. R. Australia relay. Fair in Burmese. 21/1 IC 15650 0100 PALAU. R. Australia relay. Fair in Burmese. 21/1 IC 15650 0100 PALAU. R. Australia via new relay site 20/1. WHRI ident & address then familiar ABC news theme and into Indonesian news. Poor signal with // Shepparton 15180 vgd, 15415 exc and Taiwan relay 11745 poor. BCM 15700 0200 PALAU. R. Australia relay. Fair in Burmese. 21/1 IC 15650 0109 PALAU. R. Australia relay Sobject of Sobject of Sobject of Sobject of Sobject			
15180 0020 N.KOREA, VOK, gd in SS, 2/2, PP 15205 0024 PHILIPPINES, VOA, gd in Indonesian, ID at 0025, 2/2, PP 15255 1925 NETH. ANTILLES, VOA, fair in FF, 30/1, PP 15250 2300 CUBA. R.Nacional de Venezuela via RHC. Fair in Spanish. 18/1 IC 15250 2300 CUBA. R.Nacional de Venezuela via RHC. Fair in Spanish. 18/1 IC 15250 1000 PHILIPPINES. Radio Veritas. Good in Urdu after English IDs. 9/1 IC 15290 1920 CUBA, R. Nacional Venezuela, gd in SS, 30/1, PP 15295 0900 MALAYSIA VOICE OF ISLAM STN ID NEWS EE 52/3 14/1 RP 15335 0025 TAIWAN, Rad. Austr, fair in Indonesian, surging badly, 2/2, PP 15345 2225 ARGENTINA RAE Buenos Aires reactivated 28/1 with Italian, poor but clear. Time pips 2230. Goes into SS at 2300. Frequency measured as 15344.63v. BCM 15360 0805 SINGAPORE. Voice of Croatia voa Kranji. Strong on Croatian. 27/1 IC 15390 1845 USA VOA Greenville on extended schedule in Creole since Haiti earthquake. Poor-fair but clear 20/1 // 17565 weak. BCM 15400 0115 AUSTRALIA, HCJB, with ID, exc in Rowang, 2/2, PP 15435 0230 CHINA. CRI. Fair in English. 24/1 IC 15435 0034 PHILIPPINES, FEBC, exc in Shan, 2/2, PP 15440 0036 USA, Fam Radio, gd in EE, religious, 2/2, PP 15450 1130 PHILIPPINES, FEBC, exc in CC, 2/2, PP 15450 1130 PHILIPPINES, FEBC, exc in CC, 2/2, PP 15450 0037 PALAU. R. Australia relay. Fair in Indonesian. 27/1 IC 15590 0459 PALAU Radio Australia via new relay site 20/1. WHRI ident & address then familiar ABC news theme and into Indonesian news. Poor signal with // Shepparton 15180 vgd, 15415 exc and Taiwan relay 11745 poor. BCM 15615 010 PALAU. R. Australia relay. Fair in Burmese. 21/1 IC 15655 070 PALAU R. Australia relay. Fair in Burmese. 21/1 IC 15655 070 PALAU R. Australia relay Col. Tuned in to hear World Harvest Radio annet with mention of Palau and request for reports. At 0100 abruptly cut to RA feed with EE still in progress. Kookaburra call then Burmese tx, fair good. // Shepparton 17/65 was very good. BCM 1570 0200 NEW ZEALAND RNZ STN ID Natioal News EE S 3/4 29/1 RP 1570 0201 NEW ZEALAND RNZ STN ID Na			
 15205 0024 PHILIPPINES, VOĀ, gd in Indonesian, ID at 0025, 2/2, PP 15225 1925 NETH. ANTILLES, VOĀ, fair in FF, 30/1, PP 15250 2300 CUBA. R.Nacional de Venezuela via RHC. Fair in Spanish. 18/1 IC 15250 2300 CUBA R. Nac. Venezuela, Habana Spanish fair 18.1 TN 15280 0100 PHILIPPINES. Radio Veritas. Good in Urdu after English IDs. 9/1 IC 15290 1920 CUBA, R. Nacional Venezuela, gd in SS, 30/1, PP 15295 0900 MALAYSIA VOICE OF ISLAM STN ID NEWS EE S2/3 14/1 RP 15335 0025 TAIWAN, Rad. Austr, fair in Indonesian, surging badly, 2/2, PP 15345 2225 ARGENTINA RAE Buenos Aires reactivated 28/1 with Italian, poor but clear. Time pips 2230. Goes into SS at 2300. Frequency measured as 15344.63v. BCM 15360 0805 SINGAPORE. Voice of Croatia voa Kranji. Strong on Croatian. 27/1 IC 15390 1845 USA VOA Greenville on extended schedule in Creole since Haiti earthquake. Poor-fair but clear 20/1 // 17565 weak. BCM 15400 0115 AUSTRALIA, HCJB, gd in Punjabi, 30/1, PP 15400 0030 AUSTRALIA, HCJB with ID, exc in Rawang, 2/2, PP 15435 0034 PHILIPPINES, FEBC, exc in Shan, 2/2, PP 15440 0036 USA, Fam Radio, gd in EE, religious, 2/2, PP 15450 1130 PHILIPPINES, Radio Veritas. VG in Mynamar. 11/1 IC 15550 0050 PALAU. R. Australia relay. Fair in Indonesian. 27/1 IC 15550 079 PALAU. R. Australia relay. Fair in Indonesian news. Poor signal with // Shepparton 15180 vgd, 15415 exc and Taiwan relay 11745 poor. BCM 15610 2100 USA WEWN EE poor to fair 15/1 DD 15655 0059 PALAU. R. Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU. R. Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU. R. Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU Radio Australia via new relay site with Indonesian Service on EE language lesson 20/1, fair to good. Shepparton //s 15415 & /li>			
 15225 1925 NETH. ANTILLES, VOA, fair in FF, 30/1, PP 15250 2300 CUBA. R.Nacional de Venezuela via RHC. Fair in Spanish. 18/1 IC 15250 2300 CUBA R.Nacional de Venezuela via RHC. Fair in Spanish. 18/1 IC 15280 0100 PHILIPPINES. Radio Veritas. Good in Urdu after English IDs. 9/1 IC 15290 1920 CUBA, R. Nacional Venezuela, gd in SS, 30/1, PP 15295 0900 MALAYSIA VOICE OF ISLAM STN ID NEWS EE S2/3 14/1 RP 15335 0025 TAIWAN, Rad.Austr, fair in Indonesian, surging badly, 2/2, PP 15345 2225 ARGENTINA RAE Buenos Aires reactivated 28/1 with Italian, poor but clear. Time pips 2230. Goes into SS at 2300. Frequency measured as 15344.63v. BCM 15360 0805 SINGAPORE. Voice of Croatia voa Kranji. Strong on Croatian. 27/1 IC 15390 1845 USA VOA Greenville on extended schedule in Creole since Haiti earthquake. Poor-fair but clear 20/1 // 17565 weak. BCM 15400 0115 AUSTRALIA, HCJB. gd in Punjabi, 30/1, PP 15400 0303 AUSTRALIA, HCJB with ID, exc in Rawang, 2/2, PP 15435 0034 PHILIPPINES, FEBC, exc in Shan, 2/2, PP 15435 0034 PHILIPPINES, FEBC, exc in Shan, 2/2, PP 15450 1130 PHILIPPINES. Radio Veritas. VG in Mynamar. 11/1 IC 15455 0037 PHILIPPINES. Radio Veritas. VG in Mynamar. 11/1 IC 15455 0037 PALAU. R. Australia relay. Fair in Indonesian. 27/1 IC 15590 0459 PALAU. R. Australia relay. Fair in Indonesian news. Poor signal with // Shepparton 15180 vgd, 15415 exc and Taiwan relay 11745 poor. BCM 15610 2100 VSA WEWN EE poor to fair 15/1 DD 15655 0059 PALAU. R. Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU. R. Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU. R. Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU. R. Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU. R. Australia relay. Fair in Burmese. 21/1 IC 15720 2334 NEW ZEALAND RNZ STN I			
15250 2300 CUBA. R.Nacional de Venezuela via RHC. Fair in Spanish. 18/1 IC 15250 2300 CUBA R.Naci Venezuela, Habana Spanish fair 18.1 TN 15280 0100 PHILIPPINES. Radio Veritas. Good in Urdu after English IDs. 9/1 IC 15290 1920 CUBA, R. Nacional Venezuela, gd in SS, 30/1, PP 15295 0900 MALAYSIA VOICE OF ISLAM STN ID NEWS EE S2/3 14/1 RP 15335 0025 TAIWAN, Rad.Austr, fair in Indonesian, surging badly, 2/2, PP 15345 2225 ARGENTINA RAE Buenos Aires reactivated 28/1 with Italian, poor but clear. Time pips 2230. Goes into SS at 2300. Frequency measured as 15344.63v. BCM 15360 0805 SINGAPORE. Voice of Croatia voa Kranji. Strong on Croatian. 27/1 IC 15390 1845 USA VOA Greenville on extended schedule in Creole since Haiti earthquake. Poor-fair but clear 20/1 // 17565 weak. BCM 15400 0115 AUSTRALIA, HCJB, gd in Punjabi, 30/1, PP 15400 0030 AUSTRALIA, HCJB with ID, exc in Rawang, 2/2, PP 15435 0230 CHINA. CRI. Fair in English. 24/1 IC 15435 0034 PHILIPPINES, FEBC, exc in Shan, 2/2, PP 15440 0036 USA, Fam Radio, gd in EE, religious, 2/2, PP 15450 1130 PHILIPPINES, RebC, exc in CC, 2/2, PP 15590 0500 PALAU. R. Australia relay. Fair in Indonesian. 27/1 IC 15590 0459 PALAU Radio Australia via new relay site 20/1. WHRI ident & address then familiar ABC news theme and into Indonesian news. Poor signal with // Shepparton 15180 vgd, 15415 exc and Taiwan relay 11745 poor. BCM 15610 2100 USA WEWN EE poor to fair 15/1 DD 15655 0110 PALAU. R.Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU. Radio Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU. Radio Australia relay 20/1. Tuned in to hear World Harvest Radio annct with mention of Palau and request for reports. At 0100 abruptly cut to RA feed with EE still in progress. Kookaburra call then Burmese tx, fair good. // Shepparton 17665 was very good. BCM 15720 0200 NEW ZEALAND RNZ STN ID Natioal News EE S 3/4 29/1 RP 15780 0411 PALAU Radio Australia via new relay site with Indonesian Service on EE language lesson 20/1, fair to good. Shepparton //5 15415 & 15180 both ve			
 15280 0100 PHILIPPINES. Radio Veritas. Good in Urdu after English IDs. 9/1 IC 15290 1920 CUBA, R. Nacional Venezuela, gd in SS, 30/1, PP 15295 0900 MALAYSIA VOICE OF ISLAM STN ID NEWS EE S2/3 14/1 RP 15335 0025 TAIWAN, Rad. Austr, fair in Indonesian, surging badly, 2/2, PP 15345 2225 ARGENTINA RAE Buenos Aires reactivated 28/1 with Italian, poor but clear. Time pips 2230. Goes into SS at 2300. Frequency measured as 15344.63v. BCM 15360 0805 SINGAPORE. Voice of Croatia voa Kranji. Strong on Croatian. 27/1 IC 15390 1845 USA VOA Greenville on extended schedule in Creole since Haiti earthquake. Poor-fair but clear 20/1 // 17565 weak. BCM 15400 0115 AUSTRALIA, HCJB, gd in Punjabi, 30/1, PP 15400 0330 AUSTRALIA, HCJB with ID, exc in Rawang, 2/2, PP 15435 0334 PHILIPPINES, FEBC, exc in Shan, 2/2, PP 15440 0036 USA, Fam Radio, gd in EE, religious, 2/2, PP 15450 037 PHILIPPINES, REGO, exc in CC, 2/2, PP 15590 0500 PALAU. R. Australia relay. Fair in Indonesian. 27/1 IC 15590 0500 PALAU. R. Australia relay. Fair in Indonesian news. Poor signal with // Shepparton 15180 vgd, 15415 exc and Taiwan relay 11745 poor. BCM 15610 2100 USA WEWN EE poor to fair 15/1 DD 15655 0059 PALAU. R. Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU. R. Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU. Radio Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU. Radio Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU. Radio Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU. Radio Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU. Radio Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU. Radio Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU. Radio Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU. Radio Australia relay. Fair in Burmese. 21/1 IC<!--</td--><td></td><td></td><td></td>			
 15280 0100 PHILIPPINES. Radio Veritas. Good in Urdu after English IDs. 9/1 IC 15290 1920 CUBA, R. Nacional Venezuela, gd in SS, 30/1, PP 15295 0900 MALAYSIA VOICE OF ISLAM STN ID NEWS EE S2/3 14/1 RP 15335 0025 TAIWAN, Rad. Austr, fair in Indonesian, surging badly, 2/2, PP 15345 2225 ARGENTINA RAE Buenos Aires reactivated 28/1 with Italian, poor but clear. Time pips 2230. Goes into SS at 2300. Frequency measured as 15344.63v. BCM 15360 0805 SINGAPORE. Voice of Croatia voa Kranji. Strong on Croatian. 27/1 IC 15390 1845 USA VOA Greenville on extended schedule in Creole since Haiti earthquake. Poor-fair but clear 20/1 // 17565 weak. BCM 15400 0115 AUSTRALIA, HCJB, gd in Punjabi, 30/1, PP 15400 0330 AUSTRALIA, HCJB with ID, exc in Rawang, 2/2, PP 15435 0334 PHILIPPINES, FEBC, exc in Shan, 2/2, PP 15440 0036 USA, Fam Radio, gd in EE, religious, 2/2, PP 15450 037 PHILIPPINES, REGO, exc in CC, 2/2, PP 15590 0500 PALAU. R. Australia relay. Fair in Indonesian. 27/1 IC 15590 0500 PALAU. R. Australia relay. Fair in Indonesian news. Poor signal with // Shepparton 15180 vgd, 15415 exc and Taiwan relay 11745 poor. BCM 15610 2100 USA WEWN EE poor to fair 15/1 DD 15655 0059 PALAU. R. Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU. R. Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU. Radio Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU. Radio Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU. Radio Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU. Radio Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU. Radio Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU. Radio Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU. Radio Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU. Radio Australia relay. Fair in Burmese. 21/1 IC<!--</td--><td></td><td></td><td></td>			
 15295 0900 MALAYSIA VOICE OF ISLAM STN ID NEWS EE S2/3 14/1 RP 15335 0025 TAIWAN, Rad.Austr, fair in Indonesian, surging badly, 2/2, PP 15345 2225 ARGENTINA RAE Buenos Aires reactivated 28/1 with Italian, poor but clear. Time pips 2230. Goes into SS at 2300. Frequency measured as 15344.63v. BCM 15360 0805 SINGAPORE. Voice of Croatia voa Kranji. Strong on Croatian. 27/1 IC 15390 1845 USA VOA Greenville on extended schedule in Creole since Haiti earthquake. Poor-fair but clear 20/1 // 17565 weak. BCM 15400 0115 AUSTRALIA, HCJB, gd in Punjabi, 30/1, PP 15400 0300 AUSTRALIA, HCJB with ID, exc in Rawang, 2/2, PP 15435 0230 CHINA. CRI. Fair in English. 24/1 IC 15435 0034 PHILIPPINES, FEBC, exc in Shan, 2/2, PP 15440 0036 USA, Fam Radio, gd in EE, religious, 2/2, PP 15450 1130 PHILIPPINES. Radio Veritas. VG in Mynamar. 11/1 IC 15455 0037 PHLUPPINES, FEBC, exc in CC, 2/2, PP 15590 0500 PALAU. R. Australia relay. Fair in Indonesian. 27/1 IC 15590 0500 PALAU Radio Australia via new relay site 20/1. WHRI ident & address then familiar ABC news theme and into Indonesian news. Poor signal with // Shepparton 15180 vgd, 15415 exc and Taiwan relay 11745 poor. BCM 15610 2100 USA WEWN EE poor to fair 15/1 DD 15655 0109 PALAU. R. Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU Radio Australia relay 20/1. Tuned in to hear World Harvest Radio annct with mention of Palau and request for reports. At 0100 abruptly cut to RA feed with EE still in progress. Kookaburra call then Burmese tx, fair good. // Shepparton 17665 was very good. BCM 15720 2334 NEW ZEALAND RNZ I EE with Health Report. Poor 7/1 DD 15780 0411 PALAU Radio Australia via new relay site with Indonesian Service on EE language lesson 20/1, fair to good. Shepparton //s 15415 & 15415 & 15410 both very good, Toiwan relay on 11550.11 was poor. Palau closed at 0529:30 with 'Good Bye Listeners', but o			
15335 0025 TAIWAN, Rad.Austr, fair in Indonesian, surging badly, 2/2, PP 15345 2225 ARGENTINA RAE Buenos Aires reactivated 28/1 with Italian, poor but clear. Time pips 2230. Goes into SS at 2300. Frequency measured as 15344.63v. BCM 15360 0805 SINGAPORE. Voice of Croatia voa Kranji. Strong on Croatian. 27/1 IC 15390 1845 USA VOA Greenville on extended schedule in Creole since Haiti earthquake. Poor-fair but clear 20/1 // 17565 weak. BCM 15400 0115 AUSTRALIA, HCJB, gd in Punjabi, 30/1, PP 15400 0030 AUSTRALIA, HCJB with ID, exc in Rawang, 2/2, PP 15435 0230 CHINA. CRI. Fair in English. 24/1 IC 15435 0034 PHILIPPINES, FEBC, exc in Shan, 2/2, PP 15440 0036 USA, Fam Radio, gd in EE, religious, 2/2, PP 15450 1130 PHILIPPINES. Radio Veritas. VG in Mynamar. 11/1 IC 15455 0037 PHILIPPINES. Radio Veritas. VG in Mynamar. 11/1 IC 15455 0037 PALAU. R. Australia relay. Fair in Indonesian. 27/1 IC 15590 0459 PALAU Radio Australia via new relay site 20/1. WHRI ident & address then familiar ABC news theme and into Indonesian news. Poor signal with // Shepparton 15180 vgd, 15415 exc and Taiwan relay 11745 poor. BCM 15610 2100 USA WEWN EE poor to fair 15/1 DD 15655 0110 PALAU. R.Australia relay. Fair in Burmese. 21/1 IC 15655 0109 PALAU Radio Australia relay. Fair in Burmese. 21/1 IC 15655 0100 PALAU Radio Australia relay. Fair in Burmese. 21/1 IC 15655 0100 PALAU Radio Australia relay. Fair in Burmese. 21/1 IC 15655 0100 PALAU Radio Australia relay. Fair in Burmese. 21/1 IC 15655 0100 PALAU Radio Australia relay. Fair in Burmese. 21/1 IC 15655 0100 PALAU Radio Australia relay. Fair in Burmese. 21/1 IC 15655 0100 PALAU Radio Australia relay. Fair in Burmese. 21/1 IC 15650 0059 PALAU Radio Australia relay. Fair in Burmese. 21/1 IC 15650 0050 PALAU Radio Australia relay. Fair in Burmese. 21/1 IC 15650 0050 PALAU Radio Australia relay. Fair in Burmese. 21/1 IC 15650 0050 PALAU Radio Australia relay. Fair in Burmese. 21/1 IC 15650 0050 PALAU Radio Australia relay. Fair in Burmese. 21/1 IC 15650 0050 PALAU Radio Australia relay. Fair	15290	1920	CUBA, R. Nacional Venezuela, gd in SS, 30/1, PP
15345 2225 ARGENTINA RAE Buenos Aires reactivated 28/1 with Italian, poor but clear. Time pips 2230. Goes into SS at 2300. Frequency measured as 15344.63v. BCM 15360 0805 SINGAPORE. Voice of Croatia voa Kranji. Strong on Croatian. 27/1 IC 15390 1845 USA VOA Greenville on extended schedule in Creole since Haiti earthquake. Poor-fair but clear 20/1 // 17565 weak. BCM 15400 0115 AUSTRALIA, HCJB, gd in Punjabi, 30/1, PP 15400 0030 AUSTRALIA, HCJB with ID, exc in Rawang, 2/2, PP 15435 0230 CHINA. CRI. Fair in English. 24/1 IC 15435 0034 PHILIPPINES, FEBC, exc in Shan, 2/2, PP 15440 0036 USA, Fam Radio, gd in EE, religious, 2/2, PP 15450 1130 PHILIPPINES. Radio Veritas. VG in Mynamar. 11/1 IC 15455 0037 PHILIPPINES, FEBC, exc in CC, 2/2, PP 15590 0500 PALAU. R. Australia relay. Fair in Indonesian. 27/1 IC 15590 0459 PALAU. R. Australia relay. Fair in Indonesian news. Poor signal with // Shepparton 15180 vgd, 15415 exc and Taiwan relay 11745 poor. BCM 15610 2100 USA WEWN EE poor to fair 15/1 DD 15655 0110 PALAU. R.Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU Radio Australia relay. Fair in Burmese. 21/1 IC 15650 0059 PALAU Radio Australia relay 20/1. Tuned in to hear World Harvest Radio annct with mention of Palau and request for reports. At 0100 abruptly cut to RA feed with EE still in progress. Kookaburra call then Burmese tx, fair good. // Shepparton 17665 was very good. BCM 15720 2334 NEW ZEALAND RNZI EE with Health Report. Poor 7/1 DD 15780 0411 PALAU Radio Australia via new relay site with Indonesian Service on EE language lesson 20/1, fair to good. Shepparton 1/5 15415 & 15180 both very good, Taiwan relay on 11550.11 was poor. Palau closed at 0529:30 with 'Good Bye Listeners', but other freqs continued. BCM	15295	0900	MALAYSIA VOICE OF ISLAM STN ID NEWS EE S2/3 14/1 RP
clear. Time pips 2230. Goes into SS at 2300. Frequency measured as 15344.63v. BCM 15360 0805 SINGAPORE. Voice of Croatia voa Kranji. Strong on Croatian. 27/1 IC 15390 1845 USA VOA Greenville on extended schedule in Creole since Haiti earthquake. Poor-fair but clear 20/1 // 17565 weak. BCM 15400 0115 AUSTRALIA, HCJB, gd in Punjabi, 30/1, PP 15400 0030 AUSTRALIA, HCJB with ID, exc in Rawang, 2/2, PP 15435 0230 CHINA. CRI. Fair in English. 24/1 IC 15435 0034 PHILIPPINES, FEBC, exc in Shan, 2/2, PP 15440 0036 USA, Fam Radio, gd in EE, religious, 2/2, PP 15450 1130 PHILIPPINES. Radio Veritas. VG in Mynamar. 11/1 IC 15455 0037 PHILIPPINES, FEBC, exc in CC, 2/2, PP 15590 0500 PALAU. R. Australia relay. Fair in Indonesian. 27/1 IC 15590 0459 PALAU Radio Australia via new relay site 20/1. WHRI ident & address then familiar ABC news theme and into Indonesian news. Poor signal with // Shepparton 15180 vgd, 15415 exc and Taiwan relay 11745 poor. BCM 15610 2100 USA WEWN EE poor to fair 15/1 DD 15655 0110 PALAU. R. Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU Radio Australia relay 20/1. Tuned in to hear World Harvest Radio annct with mention of Palau and request for reports. At 0100 abruptly cut to RA feed with EE still in progress. Kookaburra call then Burmese tx, fair good. // Shepparton 17665 was very good. BCM 15720 2334 NEW ZEALAND RNZ EE with Health Report. Poor 7/1 DD 15780 0411 PALAU Radio Australia via new relay site with Indonesian Service on EE language lesson 20/1, fair to good. Shepparton //s 15415 & 15180 both very good, Taiwan relay on 11550.11 was poor. Palau closed at 0529:30 with 'Good Bye Listeners', but other freqs continued. BCM	15335	0025	TAIWAN, Rad.Austr, fair in Indonesian, surging badly, 2/2, PP
as 15344.63v. BCM 15360 0805 SINGAPORE. Voice of Croatia voa Kranji. Strong on Croatian. 27/1 IC 15390 1845 USA VOA Greenville on extended schedule in Creole since Haiti earthquake. Poor-fair but clear 20/1 // 17565 weak. BCM 15400 0015 AUSTRALIA, HCJB, gd in Punjabi, 30/1, PP 15400 0030 AUSTRALIA, HCJB with ID, exc in Rawang, 2/2, PP 15435 0030 CHINA. CRI. Fair in English. 24/1 IC 15435 0034 PHILIPPINES, FEBC, exc in Shan, 2/2, PP 15440 0036 USA, Fam Radio, gd in EE, religious, 2/2, PP 15450 1130 PHILIPPINES. Radio Veritas. VG in Mynamar. 11/1 IC 15455 0037 PHILIPPINES, FEBC, exc in CC, 2/2, PP 15590 0500 PALAU. R. Australia relay. Fair in Indonesian. 27/1 IC 15590 0459 PALAU Radio Australia via new relay site 20/1. WHRI ident & address then familiar ABC news theme and into Indonesian news. Poor signal with // Shepparton 15180 vgd, 15415 exc and Taiwan relay 11745 poor. BCM 15610 2100 USA WEWN EE poor to fair 15/1 DD 15655 0110 PALAU. R.Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU Radio Australia relay 20/1. Tuned in to hear World Harvest Radio annct with mention of Palau and request for reports. At 0100 abruptly cut to RA feed with EE still in progress. Kookaburra call then Burmese tx, fair good. // Shepparton 17665 was very good. BCM 15720 2334 NEW ZEALAND RNZI EE with Health Report. Poor 7/1 DD 15720 0200 NEW ZEALAND RNZ STN ID Natioal News EE S 3/4 29/1 RP 15780 0411 PALAU Radio Australia via new relay site with Indonesian Service on EE language lesson 20/1, fair to good. Shepparton //s 15415 & 15180 both very good, Taiwan relay on 11550.11 was poor. Palau closed at 0529:30 with 'Good Bye Listeners', but other freqs continued. BCM	15345	2225	ARGENTINA RAE Buenos Aires reactivated 28/1 with Italian, poor but
15360 0805 SINGAPORE. Voice of Croatia voa Kranji. Strong on Croatian. 27/1 IC 15390 1845 USA VOA Greenville on extended schedule in Creole since Haiti earthquake. Poor-fair but clear 20/1 // 17565 weak. BCM 15400 0115 AUSTRALIA, HCJB, gd in Punjabi, 30/1, PP 15400 0030 AUSTRALIA, HCJB with ID, exc in Rawang, 2/2, PP 15435 0230 CHINA. CRI. Fair in English. 24/1 IC 15435 0034 PHILIPPINES, FEBC, exc in Shan, 2/2, PP 15440 0036 USA, Fam Radio, gd in EE, religious, 2/2, PP 15450 1130 PHILIPPINES. Radio Veritas. VG in Mynamar. 11/1 IC 15455 0037 PHILIPPINES, FEBC, exc in CC, 2/2, PP 15590 0459 PALAU. R. Australia relay. Fair in Indonesian. 27/1 IC 15590 0459 PALAU Radio Australia via new relay site 20/1. WHRI ident & address then familiar ABC news theme and into Indonesian news. Poor signal with // Shepparton 15180 vgd, 15415 exc and Taiwan relay 11745 poor. BCM 15610 2100 USA WEWN EE poor to fair 15/1 DD 15655 0110 PALAU. R. Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU Radio Australia relay 20/1. Tuned in to hear World Harvest Radio annot with mention of Palau and request for reports. At 0100 abruptly cut to RA feed with EE still in progress. Kookaburra call then Burmese tx, fair good. // Shepparton 17665 was very good. BCM 15720 2334 NEW ZEALAND RNZI EE with Health Report. Poor 7/1 DD 15720 0200 NEW ZEALAND RNZI EE with Health Report. Poor 7/1 DD 15780 0411 PALAU Radio Australia via new relay site with Indonesian Service on EE language lesson 20/1, fair to good. Shepparton //s 15415 & 1580 both very good, Taiwan relay on 11550.11 was poor. Palau closed at 0529:30 with 'Good Bye Listeners', but other freqs continued. BCM			clear. Time pips 2230. Goes into SS at 2300. Frequency measured
15390 1845 USA VOA Greenville on extended schedule in Creole since Haiti earthquake. Poor-fair but clear 20/1 // 17565 weak. BCM 15400 0115 AUSTRALIA, HCJB, gd in Punjabi, 30/1, PP 15400 0030 AUSTRALIA, HCJB with ID, exc in Rawang, 2/2, PP 15435 0230 CHINA. CRI. Fair in English. 24/1 IC 15435 0034 PHILIPPINES, FEBC, exc in Shan, 2/2, PP 15440 0036 USA, Fam Radio, gd in EE, religious, 2/2, PP 15450 1130 PHILIPPINES. Radio Veritas. VG in Mynamar. 11/1 IC 15455 0037 PHILIPPINES, FEBC, exc in CC, 2/2, PP 15590 0500 PALAU. R. Australia relay. Fair in Indonesian. 27/1 IC 15590 0459 PALAU Radio Australia via new relay site 20/1. WHRI ident & address then familiar ABC news theme and into Indonesian news. Poor signal with // Shepparton 15180 vgd, 15415 exc and Taiwan relay 11745 poor. BCM 15610 2100 USA WEWN EE poor to fair 15/1 DD 15655 0110 PALAU. R. Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU Radio Australia relay 20/1. Tuned in to hear World Harvest Radio annct with mention of Palau and request for reports. At 0100 abruptly cut to RA feed with EE still in progress. Kookaburra call then Burmese tx, fair good. // Shepparton 17665 was very good. BCM 15720 2334 NEW ZEALAND RNZI EE with Health Report. Poor 7/1 DD 15720 0200 NEW ZEALAND RNZI EE with Health Report. Poor 7/1 DD 15780 0411 PALAU Radio Australia via new relay site with Indonesian Service on EE language lesson 20/1, fair to good. Shepparton //s 15415 & 15180 both very good, Taiwan relay on 11550.11 was poor. Palau closed at 0529:30 with 'Good Bye Listeners', but other freqs continued. BCM			
earthquake. Poor-fair but clear 20/1 // 17565 weak. BCM 15400 0115 AUSTRALIA, HCJB, gd in Punjabi, 30/1, PP 15400 0030 AUSTRALIA, HCJB with ID, exc in Rawang, 2/2, PP 15435 0230 CHINA. CRI. Fair in English. 24/1 IC 15435 0034 PHILIPPINES, FEBC, exc in Shan, 2/2, PP 15440 0036 USA, Fam Radio, gd in EE, religious, 2/2, PP 15450 1130 PHILIPINES. Radio Veritas. VG in Mynamar. 11/1 IC 15455 0037 PHILIPINES, FEBC, exc in CC, 2/2, PP 15590 0500 PALAU. R. Australia relay. Fair in Indonesian. 27/1 IC 15590 0459 PALAU Radio Australia via new relay site 20/1. WHRI ident & address then familiar ABC news theme and into Indonesian news. Poor signal with // Shepparton 15180 vgd, 15415 exc and Taiwan relay 11745 poor. BCM 15610 2100 USA WEWN EE poor to fair 15/1 DD 15655 0110 PALAU. R.Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU Radio Australia relay 20/1. Tuned in to hear World Harvest Radio annct with mention of Palau and request for reports. At 0100 abruptly cut to RA feed with EE still in progress. Kookaburra call then Burmese tx, fair good. // Shepparton 17665 was very good. BCM 15720 2334 NEW ZEALAND RNZI EE with Health Report. Poor 7/1 DD 15780 0411 PALAU Radio Australia via new relay site with Indonesian Service on EE language lesson 20/1, fair to good. Shepparton //s 15415 & 15180 both very good, Taiwan relay on 11550.11 was poor. Palau closed at 0529:30 with 'Good Bye Listeners', but other freqs continued. BCM			
 15400 0115 AUSTRALIA, HCJB, gd in Punjabi, 30/1, PP 15400 0030 AUSTRALIA, HCJB with ID, exc in Rawang, 2/2, PP 15435 0230 CHINA. CRI. Fair in English. 24/1 IC 15435 0034 PHILIPPINES, FEBC, exc in Shan, 2/2, PP 15440 0036 USA, Fam Radio, gd in EE, religious, 2/2, PP 15450 1130 PHILIPPINES. Radio Veritas. VG in Mynamar. 11/1 IC 15455 0037 PHILIPINES, FEBC, exc in CC, 2/2, PP 15590 0500 PALAU. R. Australia relay. Fair in Indonesian. 27/1 IC 15590 0459 PALAU Radio Australia via new relay site 20/1. WHRI ident & address then familiar ABC news theme and into Indonesian news. Poor signal with // Shepparton 15180 vgd, 15415 exc and Taiwan relay 11745 poor. BCM 15610 2100 USA WEWN EE poor to fair 15/1 DD 15655 0110 PALAU. R.Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU Radio Australia relay 20/1. Tuned in to hear World Harvest Radio annct with mention of Palau and request for reports. At 0100 abruptly cut to RA feed with EE still in progress. Kookaburra call then Burmese tx, fair good. // Shepparton 17665 was very good. BCM 15720 2334 NEW ZEALAND RNZI EE with Health Report. Poor 7/1 DD 15750 0411 PALAU Radio Australia via new relay site with Indonesian Service on EE language lesson 20/1, fair to good. Shepparton //s 15415 & 15180 both very good, Taiwan relay on 11550.11 was poor. Palau closed at 0529:30 with 'Good Bye Listeners', but other freqs continued. BCM 	15390	1845	
 15400 0030 AUSTRALIA, HCJB with ID, exc in Rawang, 2/2, PP 15435 0230 CHINA. CRI. Fair in English. 24/1 IC 15435 0034 PHILIPPINES, FEBC, exc in Shan, 2/2, PP 15440 0036 USA, Fam Radio, gd in EE, religious, 2/2, PP 15450 1130 PHILIPPINES. Radio Veritas. VG in Mynamar. 11/1 IC 15455 0037 PHILIPINES, FEBC, exc in CC, 2/2, PP 15590 0500 PALAU. R. Australia relay. Fair in Indonesian. 27/1 IC 15590 0459 PALAU Radio Australia via new relay site 20/1. WHRI ident & address then familiar ABC news theme and into Indonesian news. Poor signal with // Shepparton 15180 vgd, 15415 exc and Taiwan relay 11745 poor. BCM 15610 2100 USA WEWN EE poor to fair 15/1 DD 15655 0110 PALAU. R.Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU Radio Australia relay 20/1. Tuned in to hear World Harvest Radio annct with mention of Palau and request for reports. At 0100 abruptly cut to RA feed with EE still in progress. Kookaburra call then Burmese tx, fair good. // Shepparton 17665 was very good. BCM 15720 2334 NEW ZEALAND RNZI EE with Health Report. Poor 7/1 DD 15780 0411 PALAU Radio Australia via new relay site with Indonesian Service on EE language lesson 20/1, fair to good. Shepparton //s 15415 & 15180 both very good, Taiwan relay on 11550.11 was poor. Palau closed at 0529:30 with 'Good Bye Listeners', but other freqs continued. BCM 			
 15435 0230 CHINA. CRI. Fair in English. 24/1 IC 15435 0034 PHILIPPINES, FEBC, exc in Shan, 2/2, PP 15440 0036 USA, Fam Radio, gd in EE, religious, 2/2, PP 15450 1130 PHILIPPINES. Radio Veritas. VG in Mynamar. 11/1 IC 15455 0037 PHILIPINES, FEBC, exc in CC, 2/2, PP 15590 0500 PALAU. R. Australia relay. Fair in Indonesian. 27/1 IC 15590 0459 PALAU Radio Australia via new relay site 20/1. WHRI ident & address then familiar ABC news theme and into Indonesian news. Poor signal with // Shepparton 15180 vgd, 15415 exc and Taiwan relay 11745 poor. BCM 15610 2100 USA WEWN EE poor to fair 15/1 DD 15655 0110 PALAU. R.Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU Radio Australia relay 20/1. Tuned in to hear World Harvest Radio annct with mention of Palau and request for reports. At 0100 abruptly cut to RA feed with EE still in progress. Kookaburra call then Burmese tx, fair good. // Shepparton 17665 was very good. BCM 15720 2334 NEW ZEALAND RNZI EE with Health Report. Poor 7/1 DD 15780 0411 PALAU Radio Australia via new relay site with Indonesian Service on EE language lesson 20/1, fair to good. Shepparton //s 15415 & 15180 both very good, Taiwan relay on 11550.11 was poor. Palau closed at 0529:30 with 'Good Bye Listeners', but other freqs continued. BCM 			
 15435 0034 PHILIPPINES, FEBC, exc in Shan, 2/2, PP 15440 0036 USA, Fam Radio, gd in EE, religious, 2/2, PP 15450 1130 PHILIPPINES. Radio Veritas. VG in Mynamar. 11/1 IC 15455 0037 PHILIPINES, FEBC, exc in CC, 2/2, PP 15590 0500 PALAU. R. Australia relay. Fair in Indonesian. 27/1 IC 15590 0459 PALAU Radio Australia via new relay site 20/1. WHRI ident & address then familiar ABC news theme and into Indonesian news. Poor signal with // Shepparton 15180 vgd, 15415 exc and Taiwan relay 11745 poor. BCM 15610 2100 USA WEWN EE poor to fair 15/1 DD 15655 0110 PALAU. R.Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU Radio Australia relay 20/1. Tuned in to hear World Harvest Radio annct with mention of Palau and request for reports. At 0100 abruptly cut to RA feed with EE still in progress. Kookaburra call then Burmese tx, fair good. // Shepparton 17665 was very good. BCM 15720 2334 NEW ZEALAND RNZI EE with Health Report. Poor 7/1 DD 15720 0200 NEW ZEALAND RNZ STN ID Natioal News EE S 3/4 29/1 RP 15780 0411 PALAU Radio Australia via new relay site with Indonesian Service on EE language lesson 20/1, fair to good. Shepparton //s 15415 & 15180 both very good, Taiwan relay on 11550.11 was poor. Palau closed at 0529:30 with 'Good Bye Listeners', but other freqs continued. BCM 			
 15440 0036 USA, Fam Radio, gd in EE, religious, 2/2, PP 15450 1130 PHILIPPINES. Radio Veritas. VG in Mynamar. 11/1 IC 15455 0037 PHILIPINES, FEBC, exc in CC, 2/2, PP 15590 0500 PALAU. R. Australia relay. Fair in Indonesian. 27/1 IC 15590 0459 PALAU Radio Australia via new relay site 20/1. WHRI ident & address then familiar ABC news theme and into Indonesian news. Poor signal with // Shepparton 15180 vgd, 15415 exc and Taiwan relay 11745 poor. BCM 15610 2100 USA WEWN EE poor to fair 15/1 DD 15655 0110 PALAU. R.Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU Radio Australia relay 20/1. Tuned in to hear World Harvest Radio annct with mention of Palau and request for reports. At 0100 abruptly cut to RA feed with EE still in progress. Kookaburra call then Burmese tx, fair good. // Shepparton 17665 was very good. BCM 15720 2334 NEW ZEALAND RNZI EE with Health Report. Poor 7/1 DD 15720 0200 NEW ZEALAND RNZ STN ID Natioal News EE S 3/4 29/1 RP 15780 0411 PALAU Radio Australia via new relay site with Indonesian Service on EE language lesson 20/1, fair to good. Shepparton //s 15415 & 15180 both very good, Taiwan relay on 11550.11 was poor. Palau closed at 0529:30 with 'Good Bye Listeners', but other freqs continued. BCM 			
 15450 1130 PHILIPPINES. Radio Veritas. VG in Mynamar. 11/1 IC 15455 0037 PHILIPINES, FEBC, exc in CC, 2/2, PP 15590 0500 PALAU. R. Australia relay. Fair in Indonesian. 27/1 IC 15590 0459 PALAU Radio Australia via new relay site 20/1. WHRI ident & address then familiar ABC news theme and into Indonesian news. Poor signal with // Shepparton 15180 vgd, 15415 exc and Taiwan relay 11745 poor. BCM 15610 2100 USA WEWN EE poor to fair 15/1 DD 15655 0110 PALAU. R.Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU Radio Australia relay 20/1. Tuned in to hear World Harvest Radio annct with mention of Palau and request for reports. At 0100 abruptly cut to RA feed with EE still in progress. Kookaburra call then Burmese tx, fair good. // Shepparton 17665 was very good. BCM 15720 2334 NEW ZEALAND RNZI EE with Health Report. Poor 7/1 DD 15720 0200 NEW ZEALAND RNZ STN ID Natioal News EE S 3/4 29/1 RP 15780 0411 PALAU Radio Australia via new relay site with Indonesian Service on EE language lesson 20/1, fair to good. Shepparton //s 15415 & 15180 both very good, Taiwan relay on 11550.11 was poor. Palau closed at 0529:30 with 'Good Bye Listeners', but other freqs continued. BCM 			
15455 0037 PHILIPINES, FEBC, exc in CC, 2/2, PP 15590 0500 PALAU. R. Australia relay. Fair in Indonesian. 27/1 IC 15590 0459 PALAU Radio Australia via new relay site 20/1. WHRI ident & address then familiar ABC news theme and into Indonesian news. Poor signal with // Shepparton 15180 vgd, 15415 exc and Taiwan relay 11745 poor. BCM 15610 2100 USA WEWN EE poor to fair 15/1 DD 15655 0110 PALAU. R.Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU Radio Australia relay 20/1. Tuned in to hear World Harvest Radio annct with mention of Palau and request for reports. At 0100 abruptly cut to RA feed with EE still in progress. Kookaburra call then Burmese tx, fair good. // Shepparton 17665 was very good. BCM 15720 2334 NEW ZEALAND RNZI EE with Health Report. Poor 7/1 DD 15720 0200 NEW ZEALAND RNZ STN ID Natioal News EE S 3/4 29/1 RP 15780 0411 PALAU Radio Australia via new relay site with Indonesian Service on EE language lesson 20/1, fair to good. Shepparton //s 15415 & 15180 both very good, Taiwan relay on 11550.11 was poor. Palau closed at 0529:30 with 'Good Bye Listeners', but other freqs continued. BCM			
 15590 0500 PALAU. R. Australia relay. Fair in Indonesian. 27/1 IC 15590 0459 PALAU Radio Australia via new relay site 20/1. WHRI ident & address then familiar ABC news theme and into Indonesian news. Poor signal with // Shepparton 15180 vgd, 15415 exc and Taiwan relay 11745 poor. BCM 15610 2100 USA WEWN EE poor to fair 15/1 DD 15655 0110 PALAU. R.Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU Radio Australia relay 20/1. Tuned in to hear World Harvest Radio annct with mention of Palau and request for reports. At 0100 abruptly cut to RA feed with EE still in progress. Kookaburra call then Burmese tx, fair good. // Shepparton 17665 was very good. BCM 15720 2334 NEW ZEALAND RNZI EE with Health Report. Poor 7/1 DD 15720 0200 NEW ZEALAND RNZ STN ID Natioal News EE S 3/4 29/1 RP 15780 0411 PALAU Radio Australia via new relay site with Indonesian Service on EE language lesson 20/1, fair to good. Shepparton //s 15415 & 15180 both very good, Taiwan relay on 11550.11 was poor. Palau closed at 0529:30 with 'Good Bye Listeners', but other freqs continued. BCM 			
15590 0459 PALAU Radio Australia via new relay site 20/1. WHRI ident & address then familiar ABC news theme and into Indonesian news. Poor signal with // Shepparton 15180 vgd, 15415 exc and Taiwan relay 11745 poor. BCM 15610 2100 USA WEWN EE poor to fair 15/1 DD 15655 0110 PALAU. R.Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU Radio Australia relay 20/1. Tuned in to hear World Harvest Radio annct with mention of Palau and request for reports. At 0100 abruptly cut to RA feed with EE still in progress. Kookaburra call then Burmese tx, fair good. // Shepparton 17665 was very good. BCM 15720 2334 NEW ZEALAND RNZI EE with Health Report. Poor 7/1 DD 15720 0200 NEW ZEALAND RNZ STN ID Natioal News EE S 3/4 29/1 RP 15780 0411 PALAU Radio Australia via new relay site with Indonesian Service on EE language lesson 20/1, fair to good. Shepparton //s 15415 & 15180 both very good, Taiwan relay on 11550.11 was poor. Palau closed at 0529:30 with 'Good Bye Listeners', but other freqs continued. BCM			
then familiar ABC news theme and into Indonesian news. Poor signal with // Shepparton 15180 vgd, 15415 exc and Taiwan relay 11745 poor. BCM 15610 2100 USA WEWN EE poor to fair 15/1 DD 15655 0110 PALAU. R.Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU Radio Australia relay 20/1. Tuned in to hear World Harvest Radio annot with mention of Palau and request for reports. At 0100 abruptly cut to RA feed with EE still in progress. Kookaburra call then Burmese tx, fair good. // Shepparton 17665 was very good. BCM 15720 2334 NEW ZEALAND RNZI EE with Health Report. Poor 7/1 DD 15720 0200 NEW ZEALAND RNZ STN ID Natioal News EE S 3/4 29/1 RP 15780 0411 PALAU Radio Australia via new relay site with Indonesian Service on EE language lesson 20/1, fair to good. Shepparton //s 15415 & 15180 both very good, Taiwan relay on 11550.11 was poor. Palau closed at 0529:30 with 'Good Bye Listeners', but other freqs continued. BCM			
with // Shepparton 15180 vgd, 15415 exc and Taiwan relay 11745 poor. BCM 15610 2100 USA WEWN EE poor to fair 15/1 DD 15655 0110 PALAU. R.Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU Radio Australia relay 20/1. Tuned in to hear World Harvest Radio annot with mention of Palau and request for reports. At 0100 abruptly cut to RA feed with EE still in progress. Kookaburra call then Burmese tx, fair good. // Shepparton 17665 was very good. BCM 15720 2334 NEW ZEALAND RNZI EE with Health Report. Poor 7/1 DD 15720 0200 NEW ZEALAND RNZ STN ID Natioal News EE S 3/4 29/1 RP 15780 0411 PALAU Radio Australia via new relay site with Indonesian Service on EE language lesson 20/1, fair to good. Shepparton //s 15415 & 15180 both very good, Taiwan relay on 11550.11 was poor. Palau closed at 0529:30 with 'Good Bye Listeners', but other freqs continued. BCM	15590	0439	
15610 2100 USA WEWN EE poor to fair 15/1 DD 15655 0110 PALAU. R.Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU Radio Australia relay 20/1. Tuned in to hear World Harvest Radio annot with mention of Palau and request for reports. At 0100 abruptly cut to RA feed with EE still in progress. Kookaburra call then Burmese tx, fair good. // Shepparton 17665 was very good. BCM 15720 2334 NEW ZEALAND RNZI EE with Health Report. Poor 7/1 DD 15720 0200 NEW ZEALAND RNZ STN ID Natioal News EE S 3/4 29/1 RP 15780 0411 PALAU Radio Australia via new relay site with Indonesian Service on EE language lesson 20/1, fair to good. Shepparton //s 15415 & 15180 both very good, Taiwan relay on 11550.11 was poor. Palau closed at 0529:30 with 'Good Bye Listeners', but other freqs continued. BCM			
15655 0110 PALAU. R.Australia relay. Fair in Burmese. 21/1 IC 15655 0059 PALAU Radio Australia relay 20/1. Tuned in to hear World Harvest Radio annot with mention of Palau and request for reports. At 0100 abruptly cut to RA feed with EE still in progress. Kookaburra call then Burmese tx, fair good. // Shepparton 17665 was very good. BCM 15720 2334 NEW ZEALAND RNZI EE with Health Report. Poor 7/1 DD 15720 0200 NEW ZEALAND RNZ STN ID Natioal News EE S 3/4 29/1 RP 15780 0411 PALAU Radio Australia via new relay site with Indonesian Service on EE language lesson 20/1, fair to good. Shepparton //s 15415 & 15180 both very good, Taiwan relay on 11550.11 was poor. Palau closed at 0529:30 with 'Good Bye Listeners', but other freqs continued. BCM	15610	2100	
15655 0059 PALAU Radio Australia relay 20/1. Tuned in to hear World Harvest Radio annct with mention of Palau and request for reports. At 0100 abruptly cut to RA feed with EE still in progress. Kookaburra call then Burmese tx, fair good. // Shepparton 17665 was very good. BCM 15720 2334 NEW ZEALAND RNZI EE with Health Report. Poor 7/1 DD 15720 0200 NEW ZEALAND RNZ STN ID Natioal News EE S 3/4 29/1 RP 15780 0411 PALAU Radio Australia via new relay site with Indonesian Service on EE language lesson 20/1, fair to good. Shepparton //s 15415 & 15180 both very good, Taiwan relay on 11550.11 was poor. Palau closed at 0529:30 with 'Good Bye Listeners', but other freqs continued. BCM			
Radio annct with mention of Palau and request for reports. At 0100 abruptly cut to RA feed with EE still in progress. Kookaburra call then Burmese tx, fair good. // Shepparton 17665 was very good. BCM 15720 2334 NEW ZEALAND RNZI EE with Health Report. Poor 7/1 DD 15720 0200 NEW ZEALAND RNZ STN ID Natioal News EE S 3/4 29/1 RP 15780 0411 PALAU Radio Australia via new relay site with Indonesian Service on EE language lesson 20/1, fair to good. Shepparton //s 15415 & 15180 both very good, Taiwan relay on 11550.11 was poor. Palau closed at 0529:30 with 'Good Bye Listeners', but other freqs continued. BCM			
0100 abruptly cut to RA feed with EE still in progress. Kookaburra call then Burmese tx, fair good. // Shepparton 17665 was very good. BCM 15720 2334 NEW ZEALAND RNZI EE with Health Report. Poor 7/1 DD 15720 0200 NEW ZEALAND RNZ STN ID Natioal News EE S 3/4 29/1 RP 15780 0411 PALAU Radio Australia via new relay site with Indonesian Service on EE language lesson 20/1, fair to good. Shepparton //s 15415 & 15180 both very good, Taiwan relay on 11550.11 was poor. Palau closed at 0529:30 with 'Good Bye Listeners', but other freqs continued. BCM	15055	0007	
then Burmese tx, fair good. // Shepparton 17665 was very good. BCM 15720 2334 NEW ZEALAND RNZI EE with Health Report. Poor 7/1 DD 15720 0200 NEW ZEALAND RNZ STN ID Natioal News EE S 3/4 29/1 RP 15780 0411 PALAU Radio Australia via new relay site with Indonesian Service on EE language lesson 20/1, fair to good. Shepparton //s 15415 & 15180 both very good, Taiwan relay on 11550.11 was poor. Palau closed at 0529:30 with 'Good Bye Listeners', but other freqs continued. BCM			· · · · · · · · · · · · · · · · · · ·
15720 2334 NEW ZEALAND RNZI EE with Health Report. Poor 7/1 DD 15720 0200 NEW ZEALAND RNZ STN ID Natioal News EE S 3/4 29/1 RP 15780 0411 PALAU Radio Australia via new relay site with Indonesian Service on EE language lesson 20/1, fair to good. Shepparton //s 15415 & 15180 both very good, Taiwan relay on 11550.11 was poor. Palau closed at 0529:30 with 'Good Bye Listeners', but other freqs continued. BCM			
15720 0200 NEW ZEALAND RNZ STN ID Natioal News EE S 3/4 29/1 RP 15780 0411 PALAU Radio Australia via new relay site with Indonesian Service on EE language lesson 20/1, fair to good. Shepparton //s 15415 & 15180 both very good, Taiwan relay on 11550.11 was poor. Palau closed at 0529:30 with 'Good Bye Listeners', but other freqs continued. BCM	15720	2334	
15780 0411 PALAU Radio Australia via new relay site with Indonesian Service on EE language lesson 20/1, fair to good. Shepparton //s 15415 & 15180 both very good, Taiwan relay on 11550.11 was poor. Palau closed at 0529:30 with 'Good Bye Listeners', but other freqs continued. BCM			
EE language lesson 20/1, fair to good. Shepparton //s 15415 & 15180 both very good, Taiwan relay on 11550.11 was poor. Palau closed at 0529:30 with 'Good Bye Listeners', but other freqs continued. BCM			
15180 both very good, Taiwan relay on 11550.11 was poor. Palau closed at 0529:30 with 'Good Bye Listeners', but other freqs continued. BCM			
at 0529:30 with 'Good Bye Listeners', but other freqs continued. BCM			
	15825	2016	

- 17490 1105 CHINA, CRI, with nx, v/gd in EE, 30/1, PP 17505 1110 UAE, Rad, Neth, qd in Indonesian, 30/1, PP
- 17535 1940 USA, Fam. Radio, gd in EE, 30/1, //17555 much better, PP
- 17555 2014 USA, Fam.Radio, religious ad in EE,//17535 fair, 31/1, PP
- 17560 0220 JAPAN, Rad, Japan, gd in JJ,//17810, 2/2, PP
- 17590 1112 PORTUGAL, Rad.portugal, gd in PP, 30/1, PP
- 17660 1116 IRAN, IRIB, talk about a minaret, followed by religious progr, v/gd in EE, 30/1, PP
- 17675 2100 NEW ZEALAND RNZ INT STN ID NEWS EE S3/4 16/1 RP
- 17680 2011 CHILE, CVC Intern, poor in SS, 31/1, PP
- 17705 2009 CUBA, Rad.Nat.de Venezuela, fair/gd in SS, various ID's, 31/1, PP
- 17710 0731 CHINA CRI Sports news in EE. Good. 24/12 DD
- 17730 0224 MONGOLIA, RFA, v/gd in Tibetan, 2/2, PP
- 17765 2005 CANADA, RCI, gd in PP, 31/1, PP
- 17775 1945 USA, KVOH Rancho Simi, CA, poor in SS, mx, 30/1, PP
- 17790 1123 ROMANIA, Rad.Romania, exc in FF, //17800 same, 30/1, PP
- 17790 1930 CANADA, RCI, ad in FF, lots of ID's, close at 2000, 31/1, PP
- 17805 0735 RUSSIA VOR in EE Poor 24/12 DD
- 17895 1950 NETH. ANTILLES, VOA, special EE, gd, 30/1, PP
- 21495 1055 S.ARABIA, Rad.Riyadh, fair in AA, 30/1, PP
- 21580 0240 PHILIPPINES, VOA, gd in CC, 2/2, PP
- 21610 1058 SPAIN, REE, Poor in SS, time pips and ID at 1100, 30/1, PP
- 21640 1846 USA WHRI with preacher in EE 'How to save youself'. At 1858, "WHRI is now ending its broadcast on 21640 kiloHertz.." and off 10/1 BCM
- 21670 1100 S. ARABIA, Rad. Riyadh, gd in Indonesian, 30/1, PP
- 21715 0735 USA, Radio Farda, fair in Farsi, 30/1, PP

CONTRIBUTORS FOR THIS MONTH

- BCM Bryan Clark at Mangawhai with AOR7030+ and Alpha Delta Sloper, EWEs to NE, E and SE, plus various 100 metre BOGs to the Americas
- **DD** Des Davey, Te Kuiti, Eton E5, National DR 45, 50m long wire, 50m "L
- IC Ian Cattermole, Blenheim, JRC 535, Icom IC-746 Pro, EWE
- **KB** Kelvin Brayshaw, LEVIN. Eton E-5, Tabletop Loop.
- **PP** Phil van de Paverd, Mangonui, Receiver Icom R71E, antenna 25M EWE.
- (**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
- RP Roger Pryde Dunedin Sangean ATS8030A Yaesu FRG7000, National RFB300 DIG 30m longwire E/W direction.
- TN Terry Nielsen, Christchurch, AOR 7030+ and Lowe HF150, EWE's to NE and SE

ENGLISH IN TIME ORDER

Editor Yuri (George) Muzyka Auckland

email eto@radiodx.com



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
0036	15440g	Family Radio	USA	2/2	PP
0200	15720f	RNZ	NZ	29/1	RP
0230	15435f	CRI	CHINA	24/1	IC
0330	9790f	CRI	CHINA	3/1	IC
0338-0340	7400g	R Bulgaria	BULGARIA	1/1	CC
0340	7250f	VOR	RUSSIA	23/1	KAB
0400	9690f	RRI	ROMANIA	27/1	RP
0400	9805f	RFI	FRANCE	22/1	RP
0400	11945p	BBC	UK	3/1	IC
0615	7440g	R Romania Int	ROMANIA	24/1	BB
0628	5935f:5890g	WWCR	USA	7/1	DD
0630	7370e	Radio Romania Int	ROMANIA	-	BB
0645	7370e	Radio Romania Int	ROMANIA	25/1	BB
0651	7440e	R Ukraine Int	UKRAINE	25/1	BB
0700					
0700	6915g	Family Radio	USA	29/1	PP
0700	6915g 11740g	Family Radio Radio Vaticana	USA VATICAN	29/1 18/1	IC
	•	•			
0730	11740g	Radio Vaticana	VATICAN	18/1	IC
0730 0731	11740g 17710g	Radio Vaticana CRI	VATICAN CHINA	18/1 24/12	IC DD
0730 0731 0735	11740g 17710g 17805p	Radio Vaticana CRI VOR	Vatican China Russia	18/1 24/12 24/12	IC DD DD
0730 0731 0735 0740	11740g 17710g 17805p 7245g	Radio Vaticana CRI VOR Vatican Radio	VATICAN CHINA RUSSIA VATICAN CITY	18/1 24/12 24/12 15/1	IC DD DD DD
0730 0731 0735 0740 0750	11740g 17710g 17805p 7245g 7400g	Radio Vaticana CRI VOR Vatican Radio R Bulgaria Int	VATICAN CHINA RUSSIA VATICAN CITY BULGARIA	18/1 24/12 24/12 15/1 24/12	IC DD DD DD DD
0730 0731 0735 0740 0750 0800	11740g 17710g 17805p 7245g 7400g 7345e	Radio Vaticana CRI VOR Vatican Radio R Bulgaria Int Radio Prague	VATICAN CHINA RUSSIA VATICAN CITY BULGARIA CZECH REP	18/1 24/12 24/12 15/1 24/12 29/1	IC DD DD DD DD BB
0730 0731 0735 0740 0750 0800 0820	11740g 17710g 17805p 7245g 7400g 7345e 4910g	Radio Vaticana CRI VOR Vatican Radio R Bulgaria Int Radio Prague ABC	VATICAN CHINA RUSSIA VATICAN CITY BULGARIA CZECH REP AUSTRALIA USA	18/1 24/12 24/12 15/1 24/12 29/1 29/1	IC DD DD DD DD BB PP

0930	2310g:2325:2485g		AUSTRALIA	31/1	PP
0935	3185f	WWRB	USA	31/1	PP
0938	3215g	WWCR	USA	31/1	PP
1025	<u> </u>	New Ireland	PNG	31/1	PP
1030	9750f	BBC	UK	27/1	RP
1100	5765(USB)	AFN	USA	30/12	DD
1105	17490g	CRI	CHINA	30/1	PP
1116	17660g	IRIB	IRAN	30/1	PP
1135	5020g	SIBC	SOLOMON IS	30/12	DD
1238	2310g:2325f:2485g	ABC	AUSTRALIA	30/12	DD
1330	7145f	Lao Nat Radio	LAOS	28/1	JD
1400	9770g	WYFR	USA	6/1	IC
1600	7165f	Radio Ethiopia	ETHIOPIA	16/1	IC
1600	9395f	VOA	USA	20/1	TN
1626	9560g:5965f	D Welle	GERMANY	22/1	CC
1700	7100f	VOK	NORTH KOREA	1/10	RP
1747-1748	6055f	R Slovakia Int	SLOVAKIA	7/1	CC
1759	11655f	R Netherlands	NETHERLANDS	11/1	KB
1800	6180p	AIR	INDIA	12/1	IC
1846-1858	21640	WHRI	USA	10/1	BCM
1848-1850	7215f	R Romania Int	ROMANIA	8/1	CC
1849	9410g	BBC	UK	30/1	PP
1900	5945f	BBC	UK	15/1	?
1915	9445g	AIR	INDIA	30/1	PP
1940	17535g:17555e	Family Radio	USA	30/1	PP
1950	17895g	VOA	USA	30/1	PP
2000	6260f	Family Radio	USA	21/1	BCM
2000	9790f	RFI	FRANCE	31/1	RP
2014	17535f:17555g	Family Radio	USA	31/1	PP
2014-2018	7320f	VOIRI	IRAN	16/1	KAB
2016	7285f	CRI	CHINA	7/1	DD
2016	15825e	WWCR	USA	31/1	PP
2022	15115f	WYFR	USA	15/1	DD
2030	7430f	VOA	USA	16/1	RP
2032-2045	7240g	R Australia	AUSTRALIA	16/1	KAB
2100	7430f	Radio Tirana	ALBANIA	21/1	RP
2100	15610f	WEWN	USA	15/1	DD
2100	17675f	RNZ Int	NEW ZEALAND	16/1	RP
2217	9740g	BBC	UK	2/2	PP
2225	11560e	VOA	USA	2/2	PP
2248	12040g:12080	Radio Australia	AUSTRALIA	2/2	PP
2300	13362(USB)g	AFN	USA	2/2	PP
2310	13690e	R Australia	AUSTRALIA	2/2	PP
2334	15720p	RNZI	NEW ZEALAND	7/1	DD
_				_	_

SHORTWAVE RECEPTION FORECAST

FOR MARCH 2010

Editor Mike Butler Auckland

propagation@radiodx.com



The Shortwave Bands below have given good reception in NZ within the recent Solar Flux Index range of 73-93. An * = good reception only when Index above 75. This month we have best morning and overall reception from America and best evening performance from North America, Africa and Asia with good results also from the Middle East and South America.

Times—Shortwave Bands:

email

_					—				
UT	C MHZ	UT	C MHZ	UT	C MHZ	UT	C MHZ	UT	C MHZ
Eur	rope	Afı	rica	Rus	sia	Au	stralia	Cer	nt America
18	4-13	18	3, 7-11	18	6-7	18	4-11	18	1
19	4-11,13*	19	6*7-15	19	6-9	19	4-11	19	1
20	6-13	20	7-15	20	7	20	6-11	20	15*
21	6-9	21	915	21	-	21	5-15	21	11-15
22	7-11	22	-	22	-	22	7-17	22	11
23	-	23	1	23		23	9-17	23	-
0	-	0	-	0	-	0	11-17	0	-
1	11*	1	-	1	-	1	13-17	1	13
2	9-13	2	-	2	-	2	13-17	2	13
3	6-9	3	1	3	7-9	3	13-17	3	9
4	6-15	4	7-11	4	7-9	4	11-17	4	6-11
5	6-9,11*	5	6-11	5	7-11,17	5	7-17	5	5-11
6	4-15	6	6-11	6	7-11,17-21	6	7-15	6	5-11
7	6-13,21	7	6-9	7	6-21	7	5-17	7	5-11
8	6-17,21*	8	9	8	6-17	8	5-17	8	5-11
9	9-17,21*	9	15	9	6-13	9	4-15	9	5-9

Mic	ddle East	Asi	ia	Noı	th Pacific	Nth	America	Sth	America
18	6-9	18	4-11	18	6-13	18	11,17	18	-
19	6-9	19	6-13	19	6-13	19	9-17	19	11
20	6-9	20	7-11,13*	20	9-13	20	6-13-17*	20	-
21	7-9	21	7-11	21	9-17	21	7-17	21	11,17
22	1	22	9-11	22	11-15x-17	22	9-13	22	11
23	1	23	9-11	23	15x-17	23	9-11	23	-
0	1	0	17	0	15x-21	0	-	0	-
1	-	1	15-17	1	15-21	1	-	1	9-11
2		2	9-17	2	15-21	2	11	2	11*
3	9-17	3	9-17	3	13-21	3	9-11	3	11*
4	7-15	4	11-17	4	9-21	4	6-11	4	9-11
5	6-17	5	7-9,15-21	5	9-21	5	6-11	5	3-15
6	7-21	6	7,13-21	6	5-21	6	5-11	6	5-11
7	9-15	7	7-21	7	5-21	7	5-9	7	5-11
8	-	8	7-21	8	5-21	8	3-9	8	3-11
9	17-21	9	4-21	9	5-15	9	3-11	9	5-11

x=not Hawaii. The January average Solar Flux was 81 - up from Dec's 77.

SHORTWAVE REPORT

Editor

Ian Cattermole email

Blenheim shortwave.report@radiodx.com



AUSTRALIA:

For the upcoming A10 season starting on March 28, Broadcast Australia, the transmission provider for Radio Australia, plans to use this array of offshore relays:

Dhabbaya Burmese and English Kranji Burmese and English

Palau English, Mandarin, Indonesian, Burmese

Taiwan English, Indonesian, Mandarin

This expanded relay usage is a consequence of the impending closure of the Darwin complex on Jan 31 by the owner, Christian Vision Communications.

From Feb 1, CVC SW transmissions are listed for Tashkent, Lusaka, and Santiago. The Darwin facility will be mothballed - six transmitters, directional antennas, and associated infrastructure.

It is not known whether the facility will be sold to any other organization - to do so would require an extensive, protracted and complex process, which would need Federal Government approval. (Bob Padula)

CZECH REP.

Updated English language schedule.

0800-0827	7345	NW Europe				
1000-1029	21745	W Africa				
1130–1157	9880	N Europe				
1400-1429	11600	S Asia				
1700-1727	5930	NW Europe				
1800-1827	5930	NW Europe				
2100-2127	5930	NW Europe/N America				
2230-2257	7355	C & W Africa				
2330-2357	5930	N America				
0100-0127	7355	N America				
0200-0227	7355	N America				
0400-0427	7345	N America				
0430-0457	9855	E Africa/Middle East				
(Shortwave Central)						

ETHIOPIA:

Radio Fana.

Radio Fana to offer new services from new HQ

By Muluken Yewondwossen

Radio Fana Share Company in Ethiopia has gone through a transformation to enable it to transmit other services in addition to its current shortwave and FM radio services. The station was established in 1994 as a share company, however, it has been broadcasting since 1985 when the current ruling party, the EPRDF, was fighting an insurgency against the military regime.

The station is still associated with the EPRDF.

Now, 15 years after its official foundation it has become the Radio Fana Broadcast Company (RBC). According to sources at the radio station, the company has a plan to enter television. "It needs to meet preconditions to launch the new service, including technical and administrative assistance." a source said.

Eritrea's Radio Fana on new freq

Heard on 5060.0 from former 5100. Observed in vernaculars with Horn of Africa music. Talk at 0430, possible news and music. . (Anker Petersen, Denmark/playdx)

FRANCE. (NON)

Voice of Orthodoxy.

Voice of Orthodoxy advise that their broadcasts via Alma-Ata, Kazakhstan on shortwave in Russian every

Tuesday and Friday are:

Summer time on 9950khz from 1430-1500utc.

Winter time on 7430khz from 1530-1600utc.

7430 well heard here currently (ED)

KAZAKHSTAN

Frequency change for Voice of Orthodoxy in Russian:

1530-1600 NF 7430 A-A 200 kW 312 deg to RUS Tue/Fri, ex7435*

* to avoid China Radio International in Pashto.

(R BULGARIA DX MIX News, Ivo Ivanov, via wwdxc BC-DX TopNews Jan 14)

MARIANA ISLANDS/PALAU

Additional frequencies of Radio Australia via KHBN/T8WH Palau

2200-2400	12040 HBN 100 kW / 270 deg to SEAs in English
0000-0030	15225 HBN 100 kW / 270 deg to SEAs in Indonesian
0100-0130	15655 HBN 100 kW / 270 deg to SEAs in Burmese

0400-0430 15780 HBN 100 kW / 270 deg to SEAs in Indonesian, not 15785

0500-0530 15590 HBN 100 kW / 270 deg to SEAs in Indonesian

1600-1630 9965 HBN 100 kW / 270 deg to SEAs in Burmese, not Chinese

1300-1430 9890*HBN 100 kW / 318 deg to EaAs in Chinese

(R BULGARIA DX MIX News, Ivo Ivanov)

TRANS WORLD RADIO AFRICA

1300-1315 13765 KIG 250 kW 030 deg to EaAf Afar Fri-Sun

1730-1800 9745 DHA 250 kW 230 deg to EaAf Oromo Fri

1800-1815 5965 DHA 250 kW 225 deg to EaAf Tigrinya Mon-Wed

1800-1815 5965 DHA 250 kW 225 deg to EaAf Amharic Thu/Fri

1800-1830 5965 DHA 250 kW 225 deg to EaAf Tigre Sat

1800-1830 5965 DHA 250 kW 225 deg to EaAf Kunama Sun

1815-1845 5965 DHA 250 kW 225 deg to EaAf Tigrinya Mon-Fri

1830-1845 5965 DHA 250 kW 225 deg to EaAf Amharic Sun

(R BULGARIA DX MIX News, Ivo Ivanov, via wwdxc BC-DX TopNews Feb 1)

UAE

Additional frequencies of R Australia via Al-Dhabbaya:

2200-2330 5935#DHA 250 kW / 105 deg to SEAs in Indonesian 2300-2330 5955*DHA 250 kW / 090 deg to SEAs in Burmese 1100-1300 17880 DHA 250 kW / 090 deg to SEAs in English

co-ch Voice of Russia/International Russian Radio in Russian from 2300.

(R BULGARIA DX MIX News, Ivo Ivanov, via wwdxc BC-DX TopNews Jan 25)

SOUTH AFRICA

New additional transmission of WYFR in English .

1600-1800 on 6225 MEY 100 kW 076 deg to SoAF.

(R BULGARIA DX MIX News, Ivo Ivanov, via wwdxc BC-DX TopNews Jan 14)

SRI LANKA/THAILAND

RFE/RL launches radio station "Radio Mashaal" in Pashto dialects to Pakistan and the border regions between Afghanistan & Pakistan.

1100-1300 9395 UDO 250 kW 300 deg 11605 IRA 250 kW 340 deg

13700 IRA 250 kW 340 deg

(R BULGARIA DX MIX News, Ivo Ivanov, via wwdxc BC-DX TopNews Jan 18)

Radio Mashaal will operate out of a new bureau in Pakistan and broadcast from RFE/RL's Prague headquarters. The station will share a frequency with VOA's Radio Deewa

^{*} co-ch China National Radio in Mongolian and Kazakh.

^{*} co-ch China National Radio in Mongolian.

and transmit via FM and shortwave. Online, Radio Mashaal's website will provide a live stream of its broadcasts. (Radio Free Europe/Radio Liberty web site)

URUGUAY:

Radio Sarandi.

6045 USB, R Sarandí, Montevideo. Info provided by Fernando Gopar, station technician, via telephone call to the transmitter site located at L. Batlle Berres 6061, Montevideo: Nominal frequency is 6045. It was broadcasting on 6043.22 these days after they fixed the adjustment. While I was talking to him, he retuned the transmitter (!) to go to the nominal 6045 and thus avoid heterodynes from other broadcasters. Power is 300 W, antenna is an Inverted V, but which deserves improvement due to increased SWR (impedance mismatch). Schedule is 24 hours. He welcomes reception reports to his E-mail address: fgopar34@gmail.com . (Nigro, Dec 29, via Dxplorer)

USA

Winter B-09 of WEWN Global Catholic Radio:

English

0100-0900 on 11520 EWN 250 kW / 040 deg to N/ME 0900-1300 on 9390 EWN 250 kW / 335 deg to SEAs 1300-1500 on 13835 EWN 250 kW / 040 deg to WeEu 1500-1900 on 15610 EWN 250 kW / 040 deg to N/ME 1900-0100 on 15610 EWN 250 kW / 085 deg to WeAf Spanish

0000-1000 on 11870 EWN 250 kW / 155 deg to SoAm 1000-1700 on 12050 EWN 250 kW / 155 deg to SoAm 1700-2400 on 13830 EWN 250 kW / 155 deg to SoAm

Spanish

0000-0500 on 5810 EWN 250 kW / 220 deg to CeAm 0500-1300 on 7555 EWN 250 kW / 220 deg to CeAm 1300-2200 on 11550 EWN 250 kW / 220 deg to CeAm 2200-2400 on 12050 EWN 250 kW / 220 deg to CeAm (R BULGARIA DX MIX News, Ivo Ivanov, via wwdxc BC-DX TopNews Jan 25

USA:

Saw the below news item posted on WWCR's website: Beginning 31 January, WWCR will cease to operate on 3.240 MHz. WWCR's Transmitter #1 will broadcast on 7.465 MHz from 2100-0200 UTC . (J.D. Stephens)

DXISSIMO

Editor John Durham Tauranga

email dxissimo@radiodx.com



BOLIVIA

6134.79, Radio Santa Cruz, 0933-0945, With a signal that was barely audible, noted a male in Spanish language comments. At about 0940 music is heard. Signal was really threshold during

this period. Checked back at 1015 and noticed that the signal had improved with music that was actually audible. (Via HCDX. Chuck Bolland, January 10,2010)

3310, Radio Mosoj Chaski, 0955-1005, Although the signal is very poor, still able to hear a female conversing with a second person in Spanish language. I think I am listening to a radio Drama possibly? Signal was poor. (Via HCDX. Chuck Bolland, January 14, 2010)

6155.32, Radio Fides, 1019-1030, Another threshold signal here where I noted a person in Spanish comments. Can't distinguish whether I am hearing a male or female announcer. Signal was very weak. (Via HCDX. Chuck Bolland, January 14, 2010)

BRAZIL

5940.01, Radio Voz Missionária, Florianópolis, 0747-0805+, Jan 17, Portuguese talk with announcements, promos, jingles "Radio Voz Missionária" IDs. Religious music. Fair signal but poor after 0800 due to adjacent channel splatter. (Via HCDX Brian Alexander, PA)

6104.75 Unidentified ! 0130. Portuguese not Cancao Nova.May be R Filadelfia, Foz De Iguazu. Religious reactivated ?.(G.Bernardini Milano Italy via PlayDX 1471)

COLOMBIA

6034.99, LV del Guaviare, San José Guaviare, 0040-0104*, Jan 16, reactivated with local pop music. IDs. Sign off with National Anthem at 0103. Early sign off. They use to sign off at 0300.

Poor to fair in noisy conditions and occasional adjacent channel splatter. Also heard at 1050-1140 with local music, ID, Spanish talk with a poor to fair signal. (Via HCDX Brian Alexander, PA)

MEXICO

6010, XEOI during talk block, Feb 1 at 1409 with roundup of political news from BCN to QR, poor strength but clear in between the Juche jammers on 6003 and 6015 (Glenn Hauser, OK, DX LISTENING DIGEST via HCDX 02/02/2010)



SURINAME

4990, presumed R. Apintie Paramaribo, 0352-0403, Jan 9, vernacular, Continuos ballads & pop-like mx thru ToH; poor-fair at best; been hearing this one fairly regularly lately during my local evenings, but I'll be damned if I can catch an ID. (Via HCDX Barbour-NH USA

URUGUAY

5794,1; 5795,9; 5796,3; 5796,5; 5797,1 Emisora Chaná, Tacuarembó, 0115-0140, January 11, Spanish. Different songs: romantic, tangos, zambas. Many local advs: "..Centro Estetico.."; "Semanario...al servicio de Tacuarembó"; Provisión El Altillo, Herrería Cheché,

Transporte Nahuel: Celulares 18: Taller Manzanito: Pilo Pelo, Taller 19. Diario El Avisador. ID as: "Emisora Chaná, Ciudad de Tacuarembó", 35332

(Via HCDX: Arnaldo Slaen, DX Camp Chascomus, Argentina)

5785y, Uruguay, Emissora Chaná, Tacuarembó. January, 20 0147-0209 female ID "Emissora Chaná. Uruguay", female ads announcements on music, 0154 local music selections, 0204 return of female ads announcements on music.35533 (via HCDX Lúcio Otávio Bobrowiec. Embu SP Brasil)

6045U, R Sarandí, Montevideo. Info provided by Fernando Gopar, station technician, via tlc to the transmitter site located at L. Batlle Berres 6061, Montevideo.

Nominal fa is 6045. It was b/csting on 6043.22 these days after they fixed the adjustment. While I was talking to him he retuned the xter (!) to go to the nominal 6045 and thus avoid hets from other broadcasters. Power is 300 W, antenna is an Inverted V, but which deserves improvement due to increased SWR (impedance mismatch). Sked is 24h. He welcome reception reports to his E-mail address: fgopar34@gmail.com

(Via HCDX. 30/12/09. Horacio A. Nigro Montevideo Uruguay)

6045, R. Sarandi, Montevideo. January, 16 0733-0743 male outside "movimento agrário", mentions of "Montevideo, Uruguay" returning studio talks. QRM presumed from KBS, some saturated audio 32432 (lob-B) 9 (Via HCDX Lúcio Otávio Bobrowiec Ebu. SP. Brasil)

6155 Banda Oriental. Sarandi del Yi. Possible reactivation sometime. [Partial item translation via Google Translator.]

6155 Banda Oriental, Sarandi del Yi, Durazno Department is currently inactive. Some days ago we had occasion to visit the station together with my dear friend Ruben Guillermo Margenet and were treated kindly by the Director of the radio home, Mrs. Nora San Martin

The official informed us that unfortunately part of shortwave equipment was disabled by a severe flood that hit the ground station transmitter that agrees with the other radio Sisters CX155 Radio Sarandi del Yi and 88.3 FM Scala.

Yet Nora San Martin made it clear that their intention is to revive soon Banda Oriental frequency to bring the entire world the happenings of the Yi Sarandi, especially the achievements of poets and musicians and horse raids, which constitute an event Verdere in the region.

She, her husband, Joseph and their three children, working in the various stations that make up this family business and consider the Banda Oriental as a part or piece to be necessary because both Ms. San Martin and her husband amateurs, not fully aware only the importance but also the extent that allows short wave radio broadcasts. (Via HCDX Arnaldo Slaen.Argentina.30/01/2010)



RADIO NEW ZEALAND INTERNATIONAL SCHEDULE FROM 12TH FEB 2010

ANALOGUE SERVICE

UTC	NZDT	kHz	Effective from 12 February 2010
			Primary Target
1300 – 1550	0200 - 0450	6170	Pacific
1551 – 1750	0450 - 0650	7440	Cook Islands Niue, Fiji, Samoa
1751 – 1850	0651 - 0750	9765	Cook Islands, Niue, Fiji, Samoa
1851 - 2050	0751 – 0950	11725	Pacific
2051 – 2235	0951 – 1135	17675	Pacific
2236 - 0458	1136 – 1758	15720	Pacific
0459 - 0658	1759 – 1958	11725	Pacific
0659 - 1058	1959 – 2358	9765	Pacific
1059 - 1258	2359 – 0158	13660	NW Pacific, PNG, Timor, Asia

UTC	NZDT	kHz	DRM SERVICE - A DRM Capable Receiver is required	
			for this service	
1200 – 1550	0100 - 0450		NO SERVICE	
1551 - 1750	0451 - 0650	6170	Cook Islands, Niue, Fiji, Samoa	
1751 – 1935	0651 - 0835	9890	Cook Islands, Niue, Fiji, Samoa	
1936 – 1950	0836 - 0850	11675	Tonga	
1951 - 2150	0851 - 1050	11675	Solomon Islands Niue, Fiji, Samoa, Fiji **NEW**	
2151 - 2235	1051 – 1135	15720	Vanuatu, Fiji	
2236 - 0458	1136 – 1758	17675	Pacific	
0459 - 0658	1759 – 1958	13730	Pacific	
0659 - 1158	1959 – 0058	9870	Pacific	

UTILITIES

Editor
Arthur De Maine

email utilities@radiodx.com



I am not sure where last month went to but all I know is that very little DXing has been done here at Kakanui. I did have a chance to play with some RTTY software but with very little reward.

Two members have managed some Utility DXing during month and have sent in their loggings.

KHZ	UTC	Country, Station & Reception details	_			
4417	0740	. , , ,				
		followed by calls to various fisherman's vessels, Exc,	30/1	PP		
4483	1055	Fishermen exchanging views, much swearing, good in EE,	31/1	PP		
5643	2139	Air Pacific FJ411 to Auckland with position report, good	31/1	PP		
5643	0925	NZ 276 / AKL SC Check POM 27?	8/1 R			
5680	0956	· · · · · · · · · · · · · · · · · · ·				
		Roger out on field	RI	Р		
6224	0450	Taupo Maritime Radio, with marine wx NZ coast, good	1/2	PP		
6507	1130	Brisbane, BMC with maritime wx forecast Australian coast, go	od 30/	/1 PP		
6676	2130	Volmet Sydney, h+00, h+30, fair/good	31/1	PP		
6679	2120	Volmet Auckland, h+20, h+50, good	31/1	PP		
6739	0930	USAF ANDREWS / SKY KING Numbers / letters coded no reply requir	ed 9/1	RP		
6754	0953	Volmet Trenton Military, h+40, good		PP		
6754	0953	CANADA TRENTON MILLBAIG VOLMENT WX WINNIPEG 095 Stn	Id Trei	nton		
		Radio 9/1 RP)			
8492	1023	SINGAPORE 919 / SING ATC REQ,SC, (SC CSGQ Confirms)	25/1	RP		
8492	1025	EXPRESS 911 / SINGAPORE REQ,SC, (check SC DLHM	25/1	RP		
8828	0220	Volmet Auckland h+20, h+50, good	30/1	PP		
8867	2155	NZ40 en route to Papeete, with position report to Auckland, ne	egative	9		
		tone code, try 5643, OK.	31/1	PP		
8867	2253	QF183 with position report to Auckland,	31/1	PP		
8867	0940	Bluebird 78 with position report to Auckland,	1/2	PP		
8867	0945	QF134 with position report to Brisbane, maintaining FL 38 zero	, 1/2	PP		
8867	0950	SQ281 to Auckland, checking tone code,	1/2	PP		
8867	2152	VHTNX / AKL posn reports, WX, FL 390 SC PSK11 31	1/1 RP			
8867	2133	ANTARTIC OPPS DEEP FREEZE SKER 95 / AKL posn report WX FL31.	5 31/1	RP		
8867	1947	QANTAS 116 / BRISBANE AIREP from FL340 SC EPHM	31/1	RP		
8867	2119	OPPS DEEP FREEZE AKL / ICE 53 posn report AKL ADV contact	ΜϲΜυ	rdo		
		Centre 9032 KHz + WX update	9/1	RP		
8867	0916	QANTAS / AKL posn report FL360 temp -54 SC DKJ9	29/1	RP		

8867	1934	AIR NZ 937 / BRISBANE, FL360 estimates SC CLMS	23/1	RP	
8867	0729	BLUE 41 BRISBANE FL360 Lord Howe Isl Next SC, LTRT	30/1	RP	
8867	0836	QANTAS 49 / BRISBANE, Posn report FL390 SC DJGS	19/1	RP	
8867	0822	NZ 106 / BRISBANE, Posn report FL390 SC DJGS	19/1	RP	
8867	0848	JET STAR 205 / AKL Posn report FL350 Req SC ESJQ	8/1	RP	
8867	0630	USAF REACH FIVE ECHO TWO / AKL RE posn ADV now back on			
	track (course	13/1	RP	
8867	0444	USAF REACH 5E2 / AKL 5E2 Coms from FL 350 Re Posn change	31/1	RP	
8942	1044	· · · · · · · · · · · · · · · · · · ·			
		JQCS nil received by Sing/p Radio Jet Star adv maintain of lister	ning		
		watch.	31/1	RP	
8957	0930	Volmet Shannon, h+00, h+30, good	1/2	PP	
11387	0210	Volmet Bangkok h+10, h+40, Fair	30/1	PP	
11387	0220	Volmet Singapore, h+20, H+50, Fair,	30/1	PP	
11387	2030	Volmet Sydney, h+00, h+30,	30/1	PP	
13261	0905	QANTAS Q49 / BRISBANE request FL369 req repeat on coms du	ie		
		to Interference /Jammer (loud buzz saw type 3/5sec bursts me	ax		
		DBs ? Iran / North Korea unconfirmed	29/1	RP	
13261	2258	QF91 with position report to Auckland,	31/1	PP	
13261	2302	Bluebird 80 with position report to Brisbane,	31/1		
13261	2324	QF55 with position report to Brisbane,	31/1	PP	
13261	2050	CUSTOM 688 / BRISBANE SC Call part of ? HJS	9/1	RP	
13270	2133	Volmet New York, h+00, h+30, poor,	31/1	PP	

CONTRIBUTORS

RP Roger Pryde Dunedin. Sangean ATS 803A and Yaesu 7000 30 metre Longwire

PP Phil van de Paverd Mangonui Icom R71E, antenna 25M EWE

Thanks Phil and Roger for your loggings and also thanks to David Searle for sending me information on RTTY, hope you have more luck with it than I did but I will keep trying.

Until next month that is all from me. Oh nearly forgot, members should listen out for the space shuttle this month. \mathcal{ARTHUR}



FM NEWS & DX

Editor Adam Claydon Palmerston North

email fm@radiodx.com



Classic Hits King Country Radio to close after 44 years

Classic Hits King Country Radio, Taumarunui is to close. The Radio Network announced today that the station will cease broadcasting on March 31st.

"The station has been struggling financially for a number of years. The current economic conditions mean that it is no longer tenable for TRN to continue trading in Taumarunui," said Brian Jennings, Taupo general manager for The Radio Network.

"We have made the decision only after long consideration," he said. "The fact is that, despite the best efforts of the people involved, it has been very hard to keep the station viable on declining revenues. Regrettably, we really have no alternative but to take the closure action." "Over the last few years we have tried a number of strategies to keep the station in profit. The most significant being launching full coverage FM in 2006 with cheaper operating costs and improved signal quality, to make the station more attractive to both listeners and advertisers." The station's Huia Street premises and a staff house will be sold at a later date. The transmission tower and FM transmitter will be removed and reused in another location. The station has had a special relationship with listeners in Taumarunui for forty-four years. Classic Hits King Country Radio began as 1ZU broadcasting on 1520AM in 1966. It become King Country Radio and moved to 1512AM in 1978. In 2001 it became part of the Classic Hits network.

(The Radio Network, 7 February 2010, via The Radio Vault's Facebook page)

Another Sumner change

Radio New Zealand Concert are announcing their 99.9 MHz Sumner (Southshore) frequency will change to 99.7 MHz at midnight on Thursday 11 February 2010. (Paul Rawdon)

Surge in local radio stations

New community radio stations across Canterbury are flooding the region's airwaves as they fill a void in local content left by the departure of commercial broadcasters. Operating on low-power (LPFM) frequencies, community broadcasters have established stations in Sumner, Lyttelton, Redwood, Belfast, east Christchurch, Methven and Cashmere. Another new station, 88.2 Burwood Community Radio, starts this week. The recent surge in new community radio stations follows the axing of local programming from The Radio Network's flagship station, Newstalk ZB, in Canterbury, a decision that

saw several high-profile hosts, including Ali Jones, lose their jobs.

The commercial broadcaster now has just one local-based programme operating during the week.

Christchurch man Arron Smith, who is involved in launching Burwood Community Radio, said the rise of new local stations and their growing popularity indicated a shift in the broadcasting market.

"It's the exact opposite to where commercial radio is heading. We're not there to make money. All we want to do is reach our community."

Community stations can transmit a signal up to several kilometres, and the gear required is cheap and easy to buy, Smith said.

Joint station manager at Lyttelton's Volcano Radio, Simon Riley, said his station's progress showed the increasing popularity of community radio.

From a team of 30 people when the station launched in 2008, Volcano Radio now had more than 100 people providing various items about music, news and local issues.

"We run 24/7 and we survive through the volunteers."

University of Canterbury journalism lecturer and media commentator, Jim Tully, said there was a solid market for local content.

"Community media generally seem to be thriving as national media fight to retain their audiences. People want news that is relevant to their daily lives and which helps them make sense of their immediate world." The current broadcast environment had some resemblance to what happened in the New Zealand newspaper industry 30 years ago, he said.

"It's fair to say that in the 1970s our larger dailies decided to leave "parish pump" news to the emerging giveaway community papers. In retrospect it was a bad call. It could be that radio networks which eliminate local content, such as Newstalk ZB has in Christchurch, are going down a similar path." (The Press, 13 February 2010,

http://www.stuff.co.nz/the-press/news/3323255/Surge-in-local-radio-stations, via Paul Rawdon)

January loggings from Paul Rawdon, Christchurch

This will probably be it for the season; it was marginally better than last year but nowhere as good in previous years. I've lived in Christchurch now for 20 years, since the early 90s, there has been a steady decline in the quality and quantity of DX. Although there has been a huge increase in the number of stations during this time (17 high powered for 360,000 people), this cannot entirely be blamed for lack of DX. It doesn't help with the Christchurch frequencies following the same pattern as Sydney.

Notably absent has been Channel 0 Toowoomba, in the past, they have been received almost as often as Wagga Wagga.

28.01.2010 0418-0500 UTC

95.70	2ABCFM Classic	FΜ		Wollongong	(Illawarra)	
96.50	WaveFM			Wollongong		
Completely overpowering the Classic Hits Southshore translator						
97.30	2ILA	ABC	LocalRadio	Wollongong	(Illawarra)	
98.10	i98			Wollongong		
	170			vvollorigorig		

I learnt afterwards that while I was hearing stations from the Illawarra region, Queensland

was being heard in the north of the North Island.

Tropo from Dunedin - Paul Rawdon

3rd February 2010 0148 UTC

The nice juicy high over the South Island provided some interesting results today. Some Tropo DX from Dunedin:

- 91.8 The Edge
- 92.6 Radio New Zealand Concert
- 95.8 ZMFM
- 98.2 The Breeze
- 101.4 Radio New Zealand National

On the car radio 101.4 provided some interesting reception, Ashburton uses the same frequency and at one point there was an echo which would have been caused by both stations being received at the same time.

Since More FM change to 94.9 there has been a major battle with Port FM when Tropo is in from Ashburton, both stations can be heard at roughly the same strength while mobile.

3rd February 2010 0928 UTC

ABC Wagga Wagga audio at poor to fair strength on the scanner.

Wellington FM into Christchurch - Paul Rawdon

It's been another interesting day, on Wednesday it was reception from Dunedin, today (Friday) it was Wellington into Christchurch

Logs

2030 UTC Thursday 4 February 2010 (0930 NZDT 5 February 2010). Varying from fair to good.

- 92.5 Radio New Zealand Concert, Kaukau
- 90.0 More FM Haywoods, (Hutt Valley)
- 94.1 The Breeze, Kaukau
- 100.0 More FM, Kaukau

In addition I visited the ZM/Hauraki Translator site in the hills above Sumner, a very unimpressive structure consisting of a couple of UHF antennas and one vertically polarised three element Yagi on a pole. While there, I checked the Wellington frequencies again, all the above were there with the exception of Haywoods. Additionally, Radio New Zealand National was there. All were being received at local strengths.

FM DX REPORT – Bryan Clark, Mangawhai – January 2010

Bryan Clark, Mangawhai (Northland) with Sony XDR-F1HD and 4 element FM yagi beaming north reports the following activity during January (Dates & Times are UTC):

5 January

Australia - ABC Channel 2 TV audio 69.76 MHz up on peaks with children's drama 0017.

Gold Coast - 88.5 ABC Classic FM at 0048

Sydney - 101.7 Double US-FM news and "Timesaver Traffic", 104.1 Today-FM Sydney, commercial on 104.9,

Gosford 101.3 2CFM on pops, 104.5 2 stations mixed here 0145 – one is Haven FM.

Forster - 101.5 Great Lakes FM with weather report and sponsorship info;

Port Stephens – 2PSR 100.9 on jazz, references to Salamander and Port Stephens.

Newcastle - 100.5 2RPH Radio Reading Service at 0114.

Port Macquarie – 2ROX 102.3 Star FM with University of Newcastle promo at 0057.

Batemans Bay - 102.5 ABC, 103.5 'The Country Hour' on ABC New South Wales; 105.1 ABC National; 100.5 ABC Newsradio; 101.9 ABC Classic FM, 103.5 ABC on sports, strong; 105.5 2EC 'Summer of Your Favourite Hits' and 2EC Gig Guide; 87.8 weak music here at 0259, suspect low-powered Vision FM from Batemans Bay.

Bega - 100.1 Triple J; 100.9 ABC on talk 0254.

UNIDS - 103.7 Classical – possible 2NUR Newcastle. Horse racing station up later on 103.7 - Moree or Nowra? 102.7 classical format – possibly ABC Classic FM Central Tablelands. Classical jazz on 92.7, 100.7 strong with pops. 102.1 news at 0100.

6 January

UNID Aussies - 100.1 at 0942 UTC; also 100.9 on talk, 102.5. 103.9 BBC 'Outlook' feature – maybe 2WAY FM Port Macquarie.

South West Slopes - 88.3 ABC Classic FM; also ABC 89.1;

New Zealand - Life FM 98.7 at 0958.

2242 – rock music on 100.9, 100.7 and 102.5. All gone by 2247. 89.3 heard at 2249.

7 January

Australia FM 0033 to 0055 UTC - Batemans Bay – ABC Newsradio 100.5, 101.9 weak. New Zealand – Taranaki stations at 2030 UTC; Radio Hauraki 93.6 vad 2221.

Fiji – 102.4 Island music at 2121; 104.0 rap music at 2212; 88.2 BBC World Service.

8 January

Australia - 0326 to 0350 UTC.

ABC TV Ch2 audio 69.75 with tennis commentary 0326;

Batemans Bay – 100.5 ABC NewsRadio, ABC National 105.1;

Bega – 100.1 Triple J; ABC Classic 99.3, ABC National 100.9; 102.5 2EE Power FM.

10 January

Fiji opening at 0523 - 88.2 BBC Suva/Nadi. 102.0 music briefly at 0640.

New Caledonia – 88.0 "RNC" on the RDS at 0641 strong.

14 January

Grafton NSW from 0546 UTC: ABC 92.3 on cricket, ABC Classic FM 97.5 poor; Armidale: 2NEB-FM with commercials on 100.3 (Niu FM Whangarei programming off), ABC Local Radio 101.9 with cricket; ABC Classic FM 103.5 poor.

15 January

New Zealand – Nga Iwi FM 96.1 at 0515.

UNIDs on 90.3 at 0450 UTC, 105.5 at 0500, and 97.1 at 0514 UTC Batemans Bay - 100.9 ABC Newsradio.

Bega - 100.1 Triple J, 99.3 ABC Classic FM very good 0504; 102.5 Power FM $\,$ - all gone by 0520.

New Zealand LPFM Radio Guide - Kiwi LPFM Hits 1400

The New Zealand LPFM Radio Guide has reached 1,400 separate entries says the Radio Heritage Foundation who host this unique guide at its website www.radioheritage.net.

'That's a lot of local radio that's come and gone, or is keeping on going since low power FM was introduced nearly two decades ago in the form of 'talking houses' used by real estate agents around Hamilton' notes David Ricquish, who helps maintain the listings.

In fact, LPFM stations can be found throughout all the main cities, and increasingly in smaller localities where they provide a means for local people to have a community voice.

"Some original LPFM stations have moved on in a big way, with George FM being brought out by Mediaworks and now one of New Zealand's top radio brands with a growing global audience through online streaming.

Pulzar FM in Christchurch has also moved on from its humble LPFM beginnings to become a full time commercial FM station in the city."

The New Zealand LPFM Radio Guide at www.radioheritage.net is the only guide of its kind available to the hundreds of LPFM radio stations currently on the air across the country.

It's updated as new information becomes available, sometimes daily, and can be searched by the brand name of the station, frequency or location.

"We maintain it because LPFM is a vital part of New Zealand's broadcasting heritage, and even the entries from now silent stations remain a testament to someone's dream or effort' says David Ricquish.

"It's important to recognize the stations that have been as well as those that continue, and we're now looking forward to reaching 1,500 listings as LPFM continues to serve listeners and communities across New Zealand...and increasingly reach global audiences via internet streaming"

LPFM stations and listeners are invited to check the current guide to make sure the information is current for their local area. Updates can be emailed to info@radioheritage.net and will be received with thanks.

(David Ricquish)

http://www.radioheritage.net/



TV NEWS & DX

Editor Adam Claydon Palmerston North

email tv@radiodx.com



Freeview now in 22% of homes - and beating Sky TV in HD

If Freeview's installed base figures accurately reflect those actually watching the service, the free-to-air platform is now ahead of Sky TV in HD (high definition) penetration.

According to a Freeview statement this afternoon, Freeview had its best ever sales for the final three months of 2009 - a period that coincided with TVNZ and Telecom's launch of TiVo, which takes its broadcast feed from Freeview HD (TiVo would not comment on sales; NBR is picking they would be modest while Sky TV continues to with-hold listings for Prime. Freeview's secret sauce remains flat panel TVs from market leaders Sony, Samsung and Panasonic sold with built-in Freeview HD tuners).

According to Freeview, the total number of households able to receive Freeview at 346,116, or 21.6% of NZ homes.

This figure combines the 189,708 Freeview satellite homes (an increase of 11,791 from the last quarter) and 156,408 Freeview HD homes (an increase of 42,354 from the last quarter).

In its most recent quarterly result, Sky TV said its MySkyHDi set-top box had an installed base of 120,000 - although it was targeting 40,000 more subscriptions by June this year. Sky TV boss John Fellet told NBR that Freeview's numbers are artificially high, because many people who buy a TV with a FreeviewHD tuner built-in never use it, watching Sky instead. Freeview counters that only a small minority of MySkyHDi users shell out extra for the HD Ticket that lets them watch HD versions of selected channels - whereas all Freeview HD content is free all of the time.

(The National Business Review, 11 February 2010, http://www.nbr.co.nz/node/118404)

Travel Channel to Launch on SKY Television

Travel Channel International and SKY Television confirmed today the launch of the Travel Channel on SKY on Saturday 1 May 2010.

Travel Channel, on SKY Digital channel 77, will provide viewers with quality programming on all aspects of the travel experience, from luxury getaways to backpacking adventures. The new channel will not only provide practical advice in selecting and planning real holidays but will also allow viewers to just sit back and enjoy experiencing fascinating places in the company of engaging presenters from all across the world. It is a 'must see' for those with a desire to venture beyond their front door.

Since its launch in London in 1994, Travel Channel has grown to serve cable and satellite audiences across Europe, the Middle East, Africa and Asia-Pacific, transmitting on 20 satellites in 18 languages. The deal with SKY Television makes the channel's entertaining and inspirational mix of programmes available in New Zealand for the first time.

Travel Channel International Chief Executive Richard Wolfe said, "SKY is one of the most

successful Pay TV providers in the world and it is a great privilege for us to be working with them to bring the channel here".

"We think Travel Channel and New Zealand are made for each other, and we are looking forward to people here becoming part of our rapidly expanding international family of viewers."

John Fellet, SKY Television Chief Executive, said, "SKY Television is dedicated to continuing its ongoing commitment to provide unique, entertaining and exclusive television for New Zealanders - Travel Channel is a welcome addition to our platform."

The Travel Channel launches on SKY Digital Channel 77 Saturday 1 May 2010 at 6.00am and will be available to all SKY subscribers as part of SKY's basic package.

(Sky Television, 8 February 2010, http://www.skytv.co.nz/Default.aspx?tabid=202)

Shine joins Freeview

Shine TV is joining Freeview.

The New Zealand Christian channel will be available on Channel 25 via the satellite version of Freeview from April 1.

Shine is also available on Sky Digital 111, TelstraClear Digital Channel 111 in Wellington and Christchurch, Free to air in Christchurch and Nelson and on their website.

(Dan News, 22 January 2010, http://www.dannews.co.nz/2010/01/22/shine-joins-freeview/)

Sky keen to venture into 3D frontier

Sky Television is eyeing 3D for a premium-pay television offering once it shuts down its four analogue channels next month.

Chief executive John Fellet said the four analogue channels might deliver 16 high-definition channels or eight 3D channels.

But Ministry of Economic Development radio frequency experts suggest the high-definition estimate was high and 3D was too hard to calculate.

Sky was also looking at technology from United States company Mediaflo which uses UHF signals. These could allow most Sky channels to be picked up on mobile phones without using 3G or 4G telecommunications technology. Both options involve commercially untested technologies.

Last year Sky secured a 10-year lease of the four channels from the Government even though it was clear analogue channels were to be scrapped.

One UHF channel can deliver up to eight standard digital channels.

Cynics point to the battle between Sky and free-to-air TV and question whether Sky renewed its lease partly to ensure it did not get caught in the Government's digital review.

But Fellet said there were no plans to shelve the frequencies.

When the Government ends analogue TV broadcasting, around 2013, Sky will be required to "use or lose" the rights.

Beyond the options for new services - on television or mobile phones - the end of analogue is a pivotal point.

Sky began in 1989 with three analogue channels - for movies, sports and news.

At its peak in 1998 - before Sky introduced its digital satellite platform services - Sky's analogue service had 340,000 subscribers, Fellet said.

(NZ Herald, 12 February 2010, http://www.nzherald.co.nz/business/news/article.cfm?c_id=3&objectid=10625619)

MAILBAG

Editor email mailbag@radiodx.com Mike Butler Auckland



Would members kindly assist by sending their contributions early. Mailbag will close on the 3rd day of each month and late entries will appear in the next issue. As always, your comments are appreciated and important in this column.

Mailbag readers may recall our **Patron Frank Glen's** plans for, and the reasons for, the visit of one our of our most distinguished League members, in the December issue (page 34.) Now the man himself, **Martin Hadlow**, describes in detail what actually happened during his visit to -

TIWAI IN JANUARY

I had forgotten that summer in the southern parts of NZ could be so chilly. After leaving 33 degs C in Brisbane, my aircraft touched-down at Dunedin Airport to a bracing early-January 13 degs C and pouring rain. Patron **Frank Glen** was waiting for me at Knox College where we lodged for a couple of evenings as we went about our historical research business for the League at Otago University and the Hocken Library. After a couple of days of very successful interventions with academics, librarians and archivists, we headed for our next destination, Tiwai. With continuing cool weather forecast and my sleeping bag still in a cupboard back in Brisbane, I made a rapid visit to a Dunedin department store for a couple of warm doonas. Our rental car then comfortably carried us over the kilometres and Frank and I were soon in Invercargill where, after stocking up with a few Tiwai supplies, we drove past Frank's childhood home and then, also for old time's sake, the famous 212 Earn Street (the latter looking a little worse for wear and quite unkempt, we both agreed.)

to Tiwai and the excitement was beginning to mount as we contemplated a night of great DX. Crossing the overwater bridge en route to getting the Tiwai gates keys from the aluminium smelter security people, we began to get concerned when we still hadn't been able to log any Yanks on the car radio. Hi! Frank did the necessary with security and soon we were on the gravel road into the conservation area. While I was a first-timer and unfamiliar with the landscape, Frank was astonished how the recent fire had virtually levelled the bushland on each side of the Tiwai track. Visibility is now clear from the road all the way to the coast. Chateau Tiwai soon loomed out of the mist and the Lord of the Manor, Paul Aronsen, was on hand with his corgi, Jackie, to welcome us to this shrine of Dxing.

After Frank had undertaken the ritual flag-raising, Paul soon had us settled-in, plugged-in and switched-on. With a wide choice of available sleeping accommodation, Paul went for his familiar Burtenshaw Executive Bunks and Spa, I took the Crawford Suite (Ray and Raewyn's old sofa) and Frank nabbed his usual Tiwai Towers and Lounge window-view couch. Over a crackling fire, Paul soon has us laughing and looking forward to both a lovely hot meal and some fine DX. Frank's Grundig Yacht Boy and my AOR7030+ were soon side-by-side on the bench and starting to scan the X-Band. Yep, the Yanks were there and remained so for several hours. (See Tiwai Trail.)

Early next morning, after a night of teeming rain and exciting excursions in the dark to the outside ablution facilities, we were back at the controls for some shortwave DX. VOA Botswana was there (a new country for Frank), as was Urumqui, Djibouti, Lhasa and a few others. All too soon, we had to pack all the gear, lower the flag, lock Chateau Tiwai and, by mid-morning, head for Paul's home in Invercargill where we had a good look through his Southland Branch DX memorabilia. There was still one ritual to be undertaken and that was to drive to Riverton Rocks to that other DXing shrine, the sand-dunes which once housed the famous 6×3 . Given the heavy rain and strong wind, we viewed the location from the comfort of the car and paid homage to all those who had undergone their apprenticeship here in the hands of the master, Merv Branks, and had lugged batteries and erected aerials in those days of yore when North American 250 watters were a fairly regular feature of the AM DX dial. By late afternoon, I was being seen off at Invercargill airport by Frank and Paul as I headed to Christchurch and thence Brisbane.

How can I describe the Tiwai experience? Hugely memorable, a lot of fun and made even more so by the comradeship of Frank and Paul. Thanks to Paul's commitment, constant attention and maintenance work, Tiwai still exists as a venue for the DXing fraternity. And how can we ever repay his hospitality? It was a grand experience for a first-timer like me and I will always be grateful to say 'Yes, I DXed Tiwai'!

(Martin is Associate Professor and Director of the Centre for Communication and Social Change in the School of Journalism and Communication, at the University of Queensland.)

John Durham, Tauranga wrote, "A few QSLs back since I last reported in a couple of months ago: Radio City via Rimavska Sobata 9510; Radio Sweden via Madagascar 11550; CRI via Kunming 15210, via Beijing 11640; Bible Voice via Tashkent 7485; AWR via Agat 11850,

via Wertachal 9845, via Mossburn 11955; Radio Amica Italy 7610.4 email reply from radioamica@gmail.com.

Was surprised to get a reply from Abkhaz radio for a Audio clip and "Google Russian" report.

Radio Abkhazia 9495 email in Russian roughly translated via Google translator "Know very bad record with great noise I can confidently inform you that this is our Abkhaz Radio"

Reply from from ??????? <apsuaradiol@mail.ru>" It's great to hear from you again, John. That Abkhaz reception was certainly a great catch with only 5 kW as indeed

was your reception of Radio Amica, a euro pirate with obviously low power. You've had an outstanding month!

Stu Forsyth, Dubai, UAE gives us a concise report this month.

"No loggings for January, but veries in from: CRI 11750 via Albania; 11770 and 11880 via Karen (Myanmar) for country 107; DW 15610 via Trincomalee

Nothing stunning there, but progress on the ladders!" Congratulations on the new country Stu.

And good wishes for the new year's teaching. I suppose it was well underway some weeks ago.

Günter Jacob, Passau, Germany writes: "Here is news about verifications that arrived recently for my collection. WHRI 7490 (after 1628 days). - R. Tirana's original cards do not give the time, so I got stamped PPCs for 13625 and 13640. - After Priscille Cazin had refused my previous requests and insisted that no QSL cards are available from Belgium, thanks to Fabienne Pasau of RTBF International, the requested QSL card was now received confirming reception of Wavre, 9970 kHz; they stopped operation on December 31st. - Reliable as always, RN verified Nauen / D 9750 and Armavir / RUS 5955. - Radio Romania's English Service did not yet send the cards for 9 monthly reports of 2009; only one useless card verifes 21 September instead of 29 March. -Voice of Russia confirmed Samara 7220 and Kaliningrad 9720. - Sikander Hoosen, HF Coverage Planning, at Sentech Ltd., sent letter confirmations, all for Meyerton / AFS: BBC 6145/7310/17830, Family R. 6180, RFI 17525, South African Radio League 17570. - CRI verified Jinhua 7435, Kunming 7420, Urumqi 7405, Xi'an 6160. - I was very surprised to receive an AIR QSL card after only 9 months for a report on a Russian transmission via Delhi on 15140. Hopefully the other cards of earlier years will also arrive before long! - IBB Philippines Transmitting Station, P O Box 151, CPO 1099, 1050 Manila, sent a QSL for 9620 kHz and returned my IRC." What a great and varied collection, Günter! But I notice, you needed a lot of patience with a few of them.

Des Davey. Te Kuiti told us last time that he was to spend time at Little Waihi Beach with his daughter and her family. However, he now admits that he isn't really a beach person and that he would much rather be camping near a stream, with beautiful native bush nearby, in a very rural place. Des used to be a pig hunter, from age 12 until he had a work accident at 52 and couldn't hunt again.

His reports out to: R. Taiwan 11850; REE Spain 21610; R. Bulgaria 7400; R. Nederland 12080; R. Australia 12080; AFN Guam 5765.

QSLs were: RCI 13650; CRI 5960; DW 15440.

Nice work despite your holiday Des, and by next month your QSLs should be rolling in.

Rich D'Angelo, Wyomissing, PA reports: "We started the New Year with another DXpedition to French Creek State Park which was our second outing of the DX season. It was cold but fortunately dry in January. This was the first time in many years that we had six for a DXpedition although one was for just part of the time. Africa, Pacific and Asian reception was good for the most part. Latin America was very quick reflecting the low A

Index values. While Papua New Guinea and Indonesia were heard, most of the Indian regional outlets were quiet this time around which was a major disappointment QSL Report: Armed Forces Network 4319 usb Diego Garcia verified an electronic report with an e-mail response in three days from v/s MCC Cynthia Harris promising that a QSL card is in the mail; Cheetah Radio 11730 Julich, Germany verified through Media Broadcast in 57 days from v/s Walter Brodowsky who mentioned that the transmission I heard was beamed towards South Asia / India on a 90 degree azimuth with 100 KW; Radio Christian Voice 4965 Lusaka , Zambia verified an electronic report with an electronic confirmation reply in 1 day from Mwiza Sinyangwe, Station Manager (mwiza@zamnet.zm). The Station Manager noted that they have been transmitting on shortwave since 1994 broadcasting to southern and central Africa 24 hours a day." It was good that you did not have to contend with the conditions of your previous trip to the Park, Rich. Your reports are always appreciated.

lan Cattermole, **Blenheim** advises his veries received during January:

KNLS. 6890; RNW Bonaire 21525; Radio Veritas 15280; VOR Montsinerey 9880; WYFR 9770 9480: Radio Farda 9430; Bible Voice BC 11875 6030 13730 5915; AWR 7315 11860; Gospel For Asia 15285; Radio Vaticana 15460 via Philippines; KBS World 6045; RDW Bonaire 9785; HCJB Australia 15340; R. Slovakia 9445; RNW Santa Maria de Galeria 6120; Mashaal Radio Iranawila 11605; Voice of Orthodoxy 7430. A splendid collection as usual lan - you must have been busy before Christmas!

Joe Wood, Greenback TN says "Hurray, Hurray! I finally received a QSL from CKZN. Newfoundland makes country 88 for me. The card noted the transmission power at 1 kW. It is also the first time I can remember that I have two QSLs to report at the same time.

CKZN Freq: 6160. 0255-0310. 16 Aug 08. Received an f/d cd, schedule and station stickers for an EG report, applause card, and numerous follow-ups in 515 days. V/S Terry Brett. Station addy: Canadian Broadcasting Corporation, Transmission & Distribution Dept., POB 12010, Station A, St. John's, NF A1B 3T8, Canada. Also, Radio Canada Intl. Freq: 9610. 1700-1732. 26 Dec 09. Received an f/d card and schedule for an EG report and Applause Card in 21 days. V/S Bill Westenhaver. Station Addy: Radio Canada Intl., POB 6000, Montreal (Quebec),

Canada, H3C 3A8." Welcome back Joe - we've been wondering what you've been doing since August! Congrats for the new country and any 1kW station's QSL on these bands is a significant achievement, especially after a long wait.

Phil van de Paverd, Auckland, our Bandwatch Over 9MHz Editor wrote, "Herewith my contribution from Mangonui to your Mailbag column, using an Icom R71E and a 25M EWE antenna: KNBR Francisco 680 at 0855 with sport talk, ID at 0900, 30/1; KPNW Eugene Oregon 1120 at 0840, regular ID's,30/1; KDIA Oregon 1640 religious, at 0955, ID at 1000, 1st Feb." It's great to hear from you Phil and it's also good to have some MW reporting on these pages. I hope you thoroughly enjoyed your DXing up North.

Ron Killick, Christchurch tells us, "Nothing much outstanding, but at least a few to make some numbers have come via the real mail....

CRI-Beijing 6100 7205 both on same Zhuang minority dress card; R.Nederland 5955 via Nauen and 2 via S.Maria di Galezia 6120 11935; Family R via Sentech 6180, guess that's a not too bad a one and 2 RFA 13th Anniversary cards, Irkutsk 6120 and Tinian 5860. Don't forecast much for next month, but that's another story. Interesting to see 4VEH card on front of Times. I have a different one from May 1955 for 9639. John Watson (hello Wattie) and I heard it when we were at Woodbourne, which was about the time it first came on air, if my memory serves me right." That's a bit of real history for sure. Despite a touch of despondency last month, you're really doing fine.

Terry Nielsen, Christchurch relates, "Our postman has been quite busy in January delivering these QSL's: V.o.Russia, Irkutsk 17805, Komsomolsk 17665 and Orzu(Tajikistan) 17650 cards in 18-95 days. R.Praha, Litomysl 15700 and via WRMI Miami 9955 cards in 21-26 days. And good news, R.Praha didn't close down 31.01, they will be on the air for quite a while yet. Adrian Peterson's Wavescan via AWR Wertachtal 11675 with cards from Philippines DX and EDXP Melbourne in 6-36 days. VOA, Tinang 11730 and Udon Thani 9395, also the new Mashaal Radio via Udon Thani, all with QSL from IBB station manager in 10-17 days. DW, Trincomalee 15610 card and stickers in 15 days. V.o.Malaysia, Kajang 15295 with card, stickers and calendar in 76 days. NHK Japan, Yamata 9625 card in 39 days. R.Taiwan Int., Tainan 11715 2 cards in 48 days. And my first Brazilian veri here in NZ (have some from when living in Norway), R.Brásil Central, Goiâna 11815 email veri in 2 days.

I was the lucky winner of the "Tema Beach Bungalow" competition with the WRTH 2010 as a prize, but as I already had it, I passed it on to David Searle running the ZL3 Buildathon here in Chch so he maybe can use it as prize or something like that." You've a very good collection there, Terry and thanks for sharing it with us. It was a kind gesture to pass your prize on to David for the Buildathon. I only wish we could find someone like David to run Buildathons in Auckland. That must be one of the best ways to attract the young folk.

Bryan Clark, Mangawhai, Northland has had a busy month with visitors and other distractions. When circumstances allowed, the DX focus was on FM DX but the results were not as good as previous years - best catches were from Emerald and Mackay in Northern Queensland. Shortwave highlights were regular receptions of Radio Sarandi Uruguay 6045 with 300 watts, and the first downunder log and QSL from new US gospel broadcaster WJHR, testing on 15550 with 1kw. On mediumwave, efforts to catch the airborne Haiti transmitter on 1030 were not successful - WBZ in Boston dominates the frequency again.

QSL of the month. This column has finally come to observe the minutes of the 60th AGM which reads: "It was also agreed that League Best QSL of the Month competitions be terminated forthwith, but that Annual Awards for best QSLsbe retained." I will however, try to heap praise in other ways, when I detect outstanding results have been achieved!

BROADCAST NEWS

Editor Bryan Clark Manaawhai

email

broadcast.news@radiodx.com



NORTH AMERICAN NEWS from NRC

- 1100 KWWN Las Vegas NV now on air with U4 22kw/2kw, increasing day power by 10%.
- 1110 KDIS Pasadena CA is licensed for U4 50kw/12.5kw. KDIS engineers have discovered that the antenna system, which is built on ground that is landfill and as a result there has been settling, has caused the transmission and sample lines to deteriorate. KDIS has been issued an STA for U1 12.5kw/5kw while new transmission lines are connected and necessary modifications are made to the phaser and tuning units.
- 1190 KFXR Dallas TX format is C&W.
- 1320 KXYZ Houston TX noted at 0900 UTC with SS accented announcer "KXYZ Houston, a multicultural radio broadcast station" in English and continuing in SS. This is evidently Ethnic format now and no longer exclusively Vietnamese (Wayne Heinen)
- 1370 WVIE Pikesville MD has applied for U4 50kw day/24kw nights.
- 1480 CJOY Guelph ON CRTC has denied their application to move to FM, because, if granted, the owner (Corus) would exceed the two-station limit for this small market.
- 1510 KGA Spokane WA licensed for U4 50kw/50kw. Now has construction permit for U4 15kw nights and an STA for U4 12.5kw nights while work continues on the new facilities of co-channel KPIG Piedmont, California. While using the 15kw NDA at night, KGA received interference complaints from co-channel KCKK Littleton, Colorado. To alleviate this interference, KGA has been granted an STA for U4 50kw day/12.5kw nights, using the day pattern at night until the KPIG facilities are approved and on the air. Then KGA will go U4 50kw/15kw.
- 1540 KGBC Galveston TX format is Chinese.
- 1560 KKAA Sioux Falls SD is now on air with U4 10kw day & night, doubling their nighttime power. No change in the night pattern, except size, as it shoots up over the Minnesota/North/South Dakota borders into Manitoba.
- 1600 KAHZ Pomona CA is licensed for U2 5kw day & night, and has applied for U4 10kw/20kw. After discovering a fault in the buried cable to the tower enabling the night directional pattern, KAHZ is now operating under an STA of U1 5kw/1.25kw until the transmission line can be repaired and retuning of the night signal is completed.

NORTH AMERICAN NEWS from IRCA

- 680 CFTR Toronto ON verified in 105 days by letter from John Hinnen; 777 Jarvis St, Toronto ON M4Y 3B7 Canada. (Nigel Pimblett)
- 740 KCBS San Francisco CA idents as "All News 740 & FM 106.9 KCBS"
- 870 KFJZ Fort Worth TX format has changed from Ethnic to Spanish Religion.
- 880 KKMC Gonzales CA e-QSLed by John Dick, GM; john@kkmc.com in 635 days!

- (Martin Foltz) [Postal mailing address: 30 East San Joaquin St, Suite 105, Salinas CA 93901]
- 1150 KAGO Klamath Falls OR is reported silent.
- 1160 WYLL Chicago IL verified by email in 1 day from Chief Engineer Paul Easter pauleaster@pobox.com Also sent a received a very nice blue and grey full data printed QSL card in 10d for snail mail report. (Pat Martin) [Postal address: 25 Northwest Point Blvd, Suite 400, Elk Grove Village IL 60007]
- 1180 KGOL Humble TX has switched from ethnic format to Business News.
- 1300 KYNO Fresno CA news/talk station is to swap frequencies with Spanish-language religious station KWRU (AM 940) on 1 April. The deal, in the works for four to five months, is pending approval from the Federal Communications Commission. (Dale Park)
- 1340 KSSR Santa Rosa NM format was Top 40, now Spanish AC // KKJY 95.9.
- 1550 KFRC San Francisco CA identifies as the "True Oldies Channel".
- 1550 KRPI Ferndale WA has applied for increased night power 50kw/50kw DA-2.
- 1590 KLIV San Jose CA identifies as "Silicon Valley's News Station"
- 1600 KUBA Yuba City CA identifies as "AM 1600 & FM 95.5 KUBA"
- 1700 KBSZ Apache Junction AZ has a temporary authority for 1kw daytime only. KRSZ will install a temporary 100' tower and test for conductivity measurements. The permit will be valid for 90 days and they expect measurements will take about 7 days total. They will be taken during this 90 day window. It's assumed that KBSZ would retain their regular programming on 1260kHz.

CANADA Canada's first radio station fell silent on Friday night, as Canadian media and entertainment empire Corus Entertainment Inc., pulled the plug on 2 Montreal AM stations. AM Info690 Montreal and AM940 Montreal's Greatest Hits went off the air at 7pm local time. Both were deemed unprofitable. In Montreal, there remain two AM stations owned by large broadcasters, a multicultural channel and a few specialty stations. AM940 is a direct descendent of Canada's first radio station, CFCF originally at the 600 dial on the AM band. In 1919, the Canadian Marconi Co., launched XWA (Experimental Wireless Apparatus) in Montreal and it became the first commercial broadcast radio station in Canada. The name was switched to CFCF in November 1920. Brian Kenemy, a former vice-president of Corus Quebec's English radio holdings, said in an interview that he thinks Corus "did its best to hang on as long as they could, looking for affordable formats." But with most money directed toward FM programming, Mr. Kenemy suggested that the public company found it too difficult to continue supporting the struggling stations. (via Theo Donnelly, extra material via Mike Terry DXLD Yahoo Group)

HAITI The U.S. Air Force Commando Solo C-130 division is delivering 50,000 hand-held radios for distribution to Haitian earthquake survivors. Commando Solo is notorious for its airborne R.Democratie broadcasts on 1035 kHz in 1994 after a military coup in Haiti. According to a press release from Homestead Air Reserve Base in Florida, both solar-powered and handcranked emergency radios that don't require batteries are being distributed in order for affected citizens to receive news and important information concerning international relief efforts. Public safety messages are broadcast by Commando Solo on 92.4 FM, 104.1 FM, and 1030 AM in coordination with the Haiti government. (via NRC)

NETHERLANDS ANTILLES: TransWorld Radio (TWR) announced in a press release that Radio 4VEH will be relayed by PJB Bonaire on 800 kHz: As the beleaguered nation of Haiti suffers from mass devastation caused by the earthquake, international Christian media ministry TWR will provide Creole language messages of hope into Port-au-Prince by radio. TWR will provide a simulcast of local Christian programming from Haiti's Radio 4VEH via TWR's 100,000-watt AM outlet on the island of Bonaire. Broadcasts of



Radio 4VEH's live Internet audio stream will be aired from 10:15 p.m. until 2a.m. local time in Haiti. "Two solid Christian stations on Haiti are Radio 4VEH and Radio Lumière," explained TWR Americas International Director Tim Klingbeil. "Since Radio Lumière is off the air due to a damaged transmitter facility, we believe broadcasting Radio 4VEH's programs from Bonaire will reach people who currently are not able to receive much needed gospel messages. Radio 4VEH is located on the northern part of Haiti, and broadcasts do not effectively reach listeners in Port-au-Prince." Radio 4VEH plans to make adjustments to regular programming during the TWR simulcast in an effort to address the needs of those who are suffering and looking for help. "Our thinking is that we will continue providing simulcasts at least until Radio Lumière is able to go back on the air," Klingbeil added. (via NRC)

SOLOMON ISLANDS Adrian Sainsbury of RNZI tells me that Gizo is back on AM. A RNZ technician repaired it while he was in the Solomons late 2009 after getting 5020 back on air after another breakdown. An earlier report on the website of ABC Western Queensland gives some background: "Let's take off to the Western Province in the Solomon Islands for a taste of the sea and a tour of a Solomon Island Broadcasting Corporation (SIBC) radio station. My name's Julia Harris and I'm the cross media reporter for ABC Western Queensland. Earlier this year I was lucky enough to take some time off work to visit the Solomon Islands. While I was there, I visited the SIBC radio station at Gizo, (the largest town in the Western Province), (about two hours by small plane from the capital, Honiara). I thought it would be interesting to compare a remote SIBC radio station to our ABC Local Radio station here in Western Queensland. Adrian Gina, is the manager of the SIBC station in Gizo, he has three full-time and one part-time staff members. One small studio, one small editing booth, one portable audio recorder, at least one computer that hasn't worked for five months and a motorbike for transport. They also lost their AM transmitter in an earthquake / tsunami in April 2007 and are still working off a 'temporary' FM transmitter. Despite the challenges of working with a minimum of resources, Mr Gina and his team produce 10 hours of radio each day and provide a valued service to their local community. Here in western Queensland we have six full-time and one part-time /casual staff members, two new digital studios, an editing and a production booth, a computer each (and they all work), a digital recorder each (well almost), a digital camera or two, a video camera, a four wheel drive vehicle and a website (to name just a few of the differences). In short, I did promise on my return home, that I would never complain about the lack of resources ever again!" (Barry Hartley)

USA Air America, a politically liberal talk-radio network, will cease operations and file for Chapter 7 bankruptcy protection to begin an orderly wind down of its business. The radio network was launched in 2004 by comedian Al Franken, now a U.S. Senator and has helped launch other careers such as that of liberal television personality Rachel Maddow. The network, which had about 100 radio outlets nationwide, has suffered a decline in advertising amid the U.S. recession and a search for new investors failed. Air America, which has struggled under a succession of management changes since its inception, had previously been forced into bankruptcy in 2006 when efforts to resolve an outstanding debt with a creditor from the network's earliest days broke down. (Reuters via Ricky Leong, DXLD Yahoo Group)







Clear and Long Range AM Radio Reception Everywhere

Paul Karlstrand

The specialists in AM Radio Reception

PK's Loop Antennas 6 Blossom Walk Croydon Victoria Australia 3136

Proudly
Australian Made and Owned

Mobile: 0412 302 939 International: +61 412 302 939 E-mail: pkloops@bigpond.net.au Web: www.amradioantennas.com

BROADCAST TRAIL

- MH Martin Hadlow at Tiwai Southland with AOR7030+
- **Tony King** with Tecsun PL380 Version 1 unmodified set at 2 kHz bandwidth /tuned ferrite/ inductive transfer from 100 metre BOG to the northeast.
- **BCM** Bryan Clark, Mangawhai Norethland with AOR7030+ with 15m EWE antennas NE, E, SE plus 10 metre BOG to the northeast.
 - 640 USA KFI Los Angeles CA good with advts 0705 1Feb, weather for L.A and Orange County, ident for "KFI, the Talk Station" then links to Coast to Coast AM. BCM
 - 690 HAWAII KHNR Honolulu. Talking head 0850. TK
 - 710 CUBA Radio Rebelde vgd 0842 1Feb with popular vocals, stronger than shortwave // 5025. BCM.
 - 800 CANADA UNID here 0703 with female on news, mixed Mexican on national anthem 21Jan. Mexican 'Radio Canon' usually dominates. BCM
 - 890 USA WLS Chicago IL with ABC news 0804 then ident as "This is where Chicago comes to talk, the Big 89, WLS", good and clear IFeb. BCM
 - 940 USA KWRU Fresno CA with SS religion vgd 0855, mailing address & idents for "Radio Vida Abundante" 1 Feb. BCM
- 1030 USA WBZ Boston MA noted 28Jan and nightly late January 0630 past 1015 over usually dominant XEQR, despite bad slop from kiwis, with own talk format. At 1014 "5.14 on WBZee". BCM
- 1060 CANADA CKMX Calgary AB with promo for "50 years of country music, Classic Country AM 10-60" 0657 1Feb. Regular. BCM
- 1170 USA KFAQ Tulsa OK news 0900. TK
- 1230 MEXICO XEOX Radio Formula better of 2 SS stations here 0847 29Jan. Ident 0856 as "Grupo Formula XEOX.." BCM
- 1300 USA KKOL Seattle WA mixed 0900 8Jan with UNID on gospel songs. Ident as "KKOL Seattle" then "Fox News, We Talk, You Decide". BCM
- 1310 USA KMKY Oakland CA good w/string of Radio Disney promos 0820 1Feb. BCM
- 1320 USA KCTC Oakland CA good with ESPN sports 0839 29Jan. BCM
- 1330 USA KLBS Los Banos CA with Portuguese prgming 0931 15Jan. BCM
- 1410 CANADA CFUN Vancouver w/sports format, ident 0854 3Jan "Team Radio". BCM
- 1420 HAWAII KKEA Honolulu ESPN sport with Hawaian bias 0840 UTC. TK
- 1470 MEXICO XEAI Radio Formula Mexico City w/ "Formula en la Noche" Oldies. TK
- 1520 USA KOKC, Oklahoma City OK Strong signal with the 'Hook and Hunt Show'. MH
- 1520 USA KOKC Oklahoma City OK w/ "Newstalk 15-20 KOKC" ident & weather update for Pennyslvania to Maine, Northern New England, Canadian Lakes, Mid-West States, Northern Plains", very good 0833 1 Feb. Earlier at 0808, another UNID US talker noted underneath, together with Mexican format. BCM
- 1530 USA KFBK Sacramento CA very good on talk mixed KGBT on Tejano 0848 1 Feb, with Coast Napier buried underneath. BCM
- 1560 USA KNZR Bakersfield CA good with promo 0831 1Feb for "Rush Limburgh, weekday mornings 9 to noon on 15-60 K-N-Zee-R". BCM
- 1570 MEXICO XERF La Poderosa as usual. TK

- 1580 USA KMIK and KBLA take turns in battling it out 0700 to 1000. TK
- 1610 ANGUILLA Caribbean Beacon sometimes word perfect level. Religious. MH
- 1620 USA WTAW College Station TX Network program and local ID w/ weather. MH
- 1640 USA KDIA Vallejo CA clear w/religious talk programs. "You found 1640 KDIA". MH
- 1640 USA KDIA Vallejo CA first in at 0600 with Christian chat. TK
- 1650 USA KCNZ Cedar Falls ID w/'Fox Sports Radio' 0820 11/1, over KFOX. BCM
- 1650 USA KFOX Torrance CA weak in Korean language. MH
- 1650 USA KFOX Torrance CA regular animated conversation male/female in KK. TK
- 1650 USA WHKT Portsmouth VA Radio Disney promos 0717 4/1, on top of KFOX. BCM
- 1660 USA KTIQ mixes with KXOL with SS banda music. TK
- 1670 USA KHPY Moreno Valley CA fading. MH
- 1670 USA KHPY often Mexican music but generally SS religious. TK
- 1680 USA KRJO Monroe LA good strength with gospel music "The gospel leader for North-East Louisiana, this is 1680 AM". MH
- 1690 USA KFSG Roseville CA SS religious. EE ID on hour. TK
- 1700 MEXICO XEPE Tecate BCN with "XEPRS.. ..California" ident in SS 0800 8Jan, then "Double X, 10-90" in EE. BCM
- 1700 MEXICO/USA XEPE and KVNS both now Oldies. XEPE sold out in January. TK
- 1700 USA KKLF Fort Worth TX on sports. Mixed with KVNS. MH
- 1700 USA KVNS Brownsville TX "Classic hits KVNS." Good signal. Mixed KKLF. MH

Martin comments: On the evening of Saturday 9th January, Patron Frank, 'Lord of the Manor' Paul and I lined-up our radios on the bench at Tiwai, plugged them into the batteries, hooked up the aerials and switched on. Listening began at around 0740 UTC and reception conditions proved good, with little noise or interference on the mediumwave frequencies. Outside, the wind howled and the rain pelted down. My AOR7030+ was up to the listening challenge and the X-Band proved a profitable place to start the night's DXing. Old radio friends (like KOKC) further down the band were also audible. The whole Tiwai experience and the great company of fellow DXers made for a memorable night.

Dallas McKenzie on the West Coast queries a new Australian station on 1323 AM. Per John Wright of ARDXC via Mark Nicholls, this is the new 2KIX transmitter from Canberra with 400 watts of power, on air as of 0400UTC 30 January, on/off as testing as required by the authorities for interference etc. The email address for reception reports is Grahame.Stevens@am1323.com.au or snail mail to PO Box 913 Belconnen ACT 2617.

Jon Standingbear in California confirms XEPE 1700 is now relaying Double X Sports 1090, and is audible around the clock with this format. Jon has been listening in hope of hearing the results of yacht racing in Australia & NZ.

Tony King has been trying out his new Tecsun PL380 DSP receiver, which boasts selectable bandwidths of 6, 4, 3, 2 and 1 kHz, allowing Tony to extend his DX listening from the X band into the standard broadcast band and listen alongside NZers with the 1 and 2 kHz setting.

ADCOM NEWS

Editor Bryan Clark email

Mangawhai adcom.news@radiodx.com



WELCOME TO NEW MEMBER ROBERT CURTIS (ZLICTC) from Hamilton. Robert found out about the DX League from **ARTHUR CUSHEN**'s book "The World in my Ears".

GREETINGS AND BEST WISHES for a speedy recovery to Californian member **JON STANDINGBEA**R who had another stroke recently. Jon is particularly interested in yacht racing news and finds radio coverage in his part of the world sadly lacking.

FINAL REMINDER RE ANNUAL SUBSCRIPTIONS If you haven't paid your 2010 subscription, it is now very definitely overdue! Please renew without delay to avoid missing out on your monthly copy of the 'NZ DX Times'. Congratulations to former DX Times Editor **JOHN KNIGHT** of Rakaia who was the lucky winner of the early renewal prize.

SECRETARY ON HOLIDAY Please note that our hardworking Secretary and DX Times sub-editor **MIKE BUTLER** will be on holiday next month (8 March to approximately 24 March) and unable to respond to correspondence, telephone calls or emails.

STEWART ISLAND-BOUND Three DX League members who are also keen radio amateurs will be based on Stewart Island for a DXpedition 11-23 March. **PAUL ORMANDY** (Oamaru) and **PAUL ARONSON** (Invercargill) will be joined by former Southlander **RAY CRAWFORD** (from Kingaroy, Queensland) and they hope to get in some medium wave DXing as well as the ham focus. The logistics of this DXpedition are quite demanding and the anticipation both for the ham side and the DXing experience during the trip is high. (from Christchurch Branch's 'The Hikers One' newsletter)

GROWING INTEREST IN RADIO Our colleagues in the **NZART**, with sponsorship support



Christchurch Buildathon Jan 2010 Burnside Christchurch. from the Christchurch City Council, NZART Radio Science Education Trust Inc and NZ Vintage Radio Society, hosted another 'Buildathon' event at Kendal School in Burnside on 30 January. The Buildathons are designed to encourage electronic construction by anyone of any age and spark an interest in Amateur Radio. 62 builders, parents and helpers assembled to undertake one of 2 projects: a miniature AM broadcast receiver was successfully completed by 21 builders, mostly school age. The ZL3 Buildathon MK484 AM broadcast receiver is an excellent project for the first time builder whether 8 or 80 years young. The widely spaced components on the printed circuit board cater for younger fingers and those with less than perfect eyesight. Solder flowing by mistake to nearby tracks is less likely. You are nearly guaranteed "first time" success and the radio sounds good too, with good separation between stations. A summary report of the event and many photographs can be viewed on the Internet at: http://sites.google.com/site/zl3buildathon/ (via **DAVID SEARLE**)





Christchurch Buildathon Jan 2010, Burnside Christchurch.

RADIODX NEWSGROUPS NOW CLOSED In a rationalisation of the multiple radiodx. com mailing lists (Duplex, Greylinedx, Ripple, Tropo and Ute) have been closed, and the DX League will instead focus on the new Yahoo email group dxdialog, which already has 33 participating members (you must be a financial member of the League to join the dxdialog group). To join dxdialog visit: http://groups.yahoo.com/group/dxdialog/ and click on the 'Join this group' tab on the right hand side. Note. You will need to signup for a Yahoo ID if you do not already have one. If you have any problem signing up please email PAUL ORMANDY at zl4pw@orcon.net.nz (via our Chief Editor & Webmaster MARK NICHOLLS)

REPRIEVE FOR RADIO PRAGUE Further to last month's item, Radio Prague's shortwave broadcasts will continue, though on a reduced schedule and using only one transmitter site. Jonathan Murphy on the Save Radio Prague Facebook group writes "Once again, thank you - all of you who have written in in the last few months - so much for expressing your support. As we announced several times, our shortwave broadcasts are to continue according to the current schedule until the end of January. Radio Prague's management is now working on a new schedule starting on February 1st but the great news is Radio Prague will keep its shortwave broadcasts. There will be a certain reduction but it will not be substantial and the majority of our listeners should not be affected by it. Radio

Prague will need to find other ways to save and make ends meet with the slimmer budget for 2010. This is the result of intensive negotiations between Czech Radio and the Foreign Ministry and we hope this is good news for you just as it is for us here at Radio Prague." (via Mike Terry in **GLENN HAUSER**'s DXLD Yahoo Group)]

ALBERT STANTON was a founding father of the hobby in NZ. OUT Patron FRANK GLEN renewed a friendship of more than 50 year's with Albert's son Keith, who has kept his father's entire collection of QSLs, both in letter and card form. It is housed in 5 large photo albums with QSLs dating back to 1931 and ceasing about 1960 when Albert abruptly gave up the hobby when other DXers started using the tape recorder as an aid to the hobby. For Albert, this technology took the shine off the purity of the hobby. Most of Albert's DXing was done at the family crib at Blue Skin Bay near Waitati . Keith - as a youth - managed to follow his Dad for a while and has about 200 verifications himself. The Stanton collection of 2000 cards, letters and verifications is significant and Keith has agreed that it go to the Hocken Library in Dunedin, where the DX League's main archives are held. In terms of its significance, Frank ranks the Stanton material among the first 5 valuable collections in New Zealand.

CONSTITUTIONAL REVIEW The final deadline for member feedback on the proposed new constitution for the NZ Radio DX League is 28 February. If you have any comments or questions relating to the proposal as published in the November DX Times, please submit them as soon as possible - thanks.

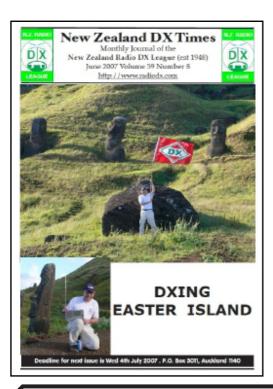
UNION OF ASIAN DXERS REBORN After a break of about 17 years, the Union of Asian DXers has risen like a phoenix from the ashes. The UADX has published its first Newsletter since July 1993 as a PDF file on the DXAsia website, edited now, as then, by **VICTOR GOONETILLEKE** in Sri Lanka. Other familiar UADX names such as Gerhard Werdin, Sarath Amukotuwa & Sarath Weerakoon will also be helping Victor, who says that the first edition of the E-Newsletter is meant as an introduction and sample. The next edition is scheduled before the end of February. I hope SWLs and DXers amongst our readership will support this venture. Go to http://www.dxasia.info for more details (via **ANDY SENNITT**)

WRTH BO9 UPDATES FILE AVAILABLE FOR DOWNLOAD. The WRTH editorial team is pleased to announce that a file containing updates to the Winter/B09 schedules is now available to download from the WRTH website: http://www.wrth.com and click on the "Latest PDF Updates" link

You will need the free Adobe Acrobat reader (available from http://www.adobe.com in order to view this file.

The file is 234kb in size and contains schedule updates for international and Clandestine/ Target broadcasters plus details of 3 new stations. (Sean Gilbert - WRTH International Editor via HCDX)

JOHN H. BRYANT The worldwide DX fraternity was very shocked to learn of John's untimely death on 9 February. Emeritus Professor John H. Bryant served as a Senior Fulbright Research Fellow in Japan in the mid-1970s and was an internationally recognised authority on East Asian Architecture. John's contributions to the profession of architecture were recognized when he was elevated to the status of Fellow of the American Institute



of Architects in May 1997. Following his retirement in 2000. John built a retirement retreat in the San Juan Islands on the US West Coast, from where he was able to indulae his interest in broadcast and tropical band DX from Asia. He undertook serious studies on radio propagation on lower frequencies, co-authored books including "Zenith Radio: The Early Years - 1919-1935", *"Zenith Radio: The Glory Years, 1936-1945" *and "Dangerous Crossings: the First Modern Polar Expedition, 1925", and even made the front page of the NZ DX Times in June 2007. That issue featured his pioneering DXpedition to Easter Island in March 2007. In more recent times John was a leading light in the Ultralight Radio DX field. Our hobby has lost a fine and generous man and we extend our sympathy to his family, friends and colleagues.

BRANCH NEWS

Chief Editor
Upper Hutt

Mark Nicholls

email editor@radiodx.com



AUCKLAND BRANCH

Next meeting to be held on the last Sunday of the month 28th Febuary at 2 pm at the Western Suburbs Radio clubrooms,.For further details, phone 815 4126 (09 if outside of Auckland)

WELLINGTON AREA BRANCH

A good group gathered for the January session. Nice to see Fred along again and looking much better. Drains and trains were a feature of chat for some strange reason!

Next meeting -February 'coffee break' is scheduled for 12.45pm on Wednesday, February 24 at Beach Babylon, Oriental Bay, opposite the band rotunda. Free parking across the road.

Bring along your latest gossip, tall or true stories, and for the daring, news of DX exploits in the wee dark hours.

March 'coffee break' will be on **Wednesday March 31**, usual place, usual time. All visitors to the capital always welcome. Contact David Ricquish info@radioheritage.net to be on the local mailing list or if you're planning to be in town.

CHRISTCHURCH (CANTERBURY) BRANCH.

Meeting was held at Ron's on Sunday 12th February with Frank, Chris, Douglas and Ron in attendance.

Talk on various subjects whilst Douglas's QSL's did the circuit. Frank gave us a fill in on his recent Dunedin trip, and Tiwai, and 2 reports out in 2010. Still suffering from accident injuries, get totally well soon.

Some discussion on Internet and computers.

Next meeting set on April 14th, due to Easter a change, mark it on your calendars to be held at Douglas's Colesbury Ave Palace. 1430 hours. Ron K reporting.

NORTH OTAGO BRANCH

During January the branch hosted the League's Patron at a barbecue held at Paul and Linda Ormandy's home. A good number of members and their wives attended.

Master Chef, Paul Ormandy cooked up a great barbecue which was enjoyed by all.

Afterwards Frank who was on his way home from the deep south gave a talk on his recent visit to the Otago University and Hocken Library with Martin Hadlow.

They were discussing with the University staff the opportunity for research on the History of Radio Listening in New Zealand. With regards to the Hocken Library they were talking with staff with regards to material placed in the Library.

Frank also commented his visit to Tiwai with Martin. He said conditions had been very quite compared to his other visits to Tiwai over recent years. Martin finally got to visit Tiwai.

Our thanks to Paul and Linda for hosting the evening and our thanks to Frank for stopping off in Oamaru and talking to branch members.



L-R: David Headland, Frank Glen, Arthir de Maine, Steven Greenyer, Paul Ormandy, Arthur Finch, Peter Grenfell. Jim Smyth taking the photo.

DUNEDIN (OTAGO) BRANCH

Next get-together is on February 27th 2010 from 2-4pm at 34 Herron Street, Dunedin. Contacts David Miller 476 3224 or Roger Pryde 473 7805 Our topics: Propagation and what we will do during the year

SOUTHLAND BRANCH

The next meeting is to be held on tuesday 26th February, at Arthur Williams, 26 Centre street Invercargill at 7-00 pm.



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

In the 1930s, E.I.A.R., "Ente Italiano Audizioni Radiofoniche," Rome, was Italy's shortwave station. Broadcasting from the Prato Smeraldo site, "2RO" had a well-developed foreign service, as reflected in the June 1937 program schedule posted under "DX History/Stations."

Under "DX History/Lists, Logs, Guides & Columns," we have posted a pamphlet from 1940-41 called the "Philco All-Wave Radio Log, Special War-Time Edition." It appears to be a joint production of Philco and something called the "Western World Wave Club" in Berkeley, California. Whether the club was an independent club or a Philco offshoot is unknown. In addition to information about broadcast band stations in the western U.S., the log contains an interesting shortwave list showing the quality of reception of many shortwave stations (very strong, good, fair, weak), hour by hour, in western parts of the United States. This log is the "Winter Edition, 1940-41," and while Philco published a variety of logs and lists in its day, this is the only edition of this particular title that we have seen. -- And under "Specialized Resources," seven new "Wavescan" scripts; from January 10, 2010, "CBS Radio on Shortwave in Philadelphia" and "Early Shortwave QSL-cards"; from January 17, 2010, "The Story of the Canadian Spy Transmitter" and "Reception Report Cards-Shortwave"; and from January 24, 2010, "Earthquake Radio-Haiti," "Earthquake Radio-New Zealand," and "Earthquake Radio-San Francisco."

Under "Specialized Resources," we have begun a new section: "The Pioneer Days - NNRC." With roots going back to 1927, the Newark News Radio Club was the country's oldest all wave listener's club. From June 1966 until the club's final bulletin in 1982, the NNRC bulletin contained a column called "The Pioneer Days." It was written by longtime member Carroll H. Weyrich of Baltimore, and it reprised early issues of the club bulletin going back as far as 1935. True to the club's broadcast band origins, the column contained a good deal of broadcast band information, but it covered other areas as well, including shortwave. We have posted two files, containing "The Pioneer Days" from 1966 and 1967, and we will post others in the future.

Discover The Pacific with the Pacific-Asian Log [PAL] Radio Guides.

The PAL Radio Guides list thousands of AM and SW stations across the entire region. Includes station location, region, frequency, power, station call or brand name, hours of operation, format and much more.

Editor-in-Chief: Bruce Portzer http://www.radioheritage.net/PAL.asp

FOUNDATION

www.radioheritage.net