

N.Z. RADIO



LEAGUE

New Zealand DX Times

Monthly journal of the
New Zealand Radio DX League (est. 1948)

May 2004 - Volume 56 Number 7

<http://radiodx.com>

N.Z. RADIO



LEAGUE

Samoa



Contribution deadline for next issue is Wed 2nd June 2004 PO Box 3011, Auckland

CONTENTS

REGULAR COLUMNS

Bandwatch Under 9	3
<i>with Ken Baird</i>	
Bandwatch Over 9	6
<i>with Andy McQueen</i>	
Shortwave Mailbag	9
<i>with Laurie Boyer</i>	
English in Time Order	10
<i>with Yuri Muzyka</i>	
Shortwave Report	12
<i>with Ian Cattermole</i>	
Utilities	17
<i>with Evan Murray</i>	
TV/FM	21
<i>with Adam Claydon</i>	
Broadcast news/DX	29
<i>with Tony King</i>	
US X Band List	34
<i>Compiled by Tony King</i>	
ADCOM News	42
<i>with Bryan Clark</i>	
Branch News	44
<i>with Chief Editor</i>	

OTHER

Review of DBS 6	25
<i>By Andy McQueen</i>	
Easter MW Trail from Tiwai	35
<i>Compiled by Stuart Forsyth</i>	
Samoa Bandscan	38
<i>Compiled by David Ricquish</i>	
Marketsquare	43
ODT Newspaper	46
Review 'Effort of Dxers Marked'	
June SW Forecast	47
<i>Compiled by Mike Butler</i>	

FRONT COVER

Clockwise from Top Left.

1) The reception area for Radio Polynesia's four FM stations in Apia, Samoa is colorful and always busy.

(2) Radio Laufou FM, a private religious station located at Apia, Samoa. Studios, tower and transmitter are all co-sited in this small building alongside the seawall on the Mulinuu Peninsula on the western side of Apia Harbor.

(3) Visitors and DJ at Talofa FM 100% Local having a great time, Apia, Samoa.

(4) Half hidden in a dip in the wet bushland high up at Afiamalu overlooking Apia in Samoa, is the stunted little original mast used for 2AP 1420, later 1404 AM. How this signal ever got out is a mystery. Location is wrong, ground conductivity almost non-existent. It has, however, survived numerous cyclones. Today, SBC Radio 1 uses 540 AM from a heavily guyed very tall mast across the road from the studios at Mulinuu, on the western side of Apia Harbor.

All photos (c) Radio Heritage Foundation, May 2004

See also Samoa Bandscan (May 2004) on Page 38 of this magazine by David Ricquish.

Coming up in next Month's Magazine June

Remember to update your Ladder totals

Stuart Forsyth
c/- NZRDXL, P.O.Box 3011, Auckland
or direct to
Stuart Forsyth
27 Mathias Street
Darfield 8172
E-mail: smforsyth@xtra.co.nz



Please note that all frequencies should be in Kilohertz and, time in UTC (= GMT = UT), # indicates reception out of the Sth Pacific area, initials in **Bold** indicates report sent. For reasons of accuracy some positive ID from the station heard is desirable, otherwise the ID of the station heard should be shown as tentative. Similarly for languages - either IDed, Presumed or Unid. Also, would you please add the date of logging to your information.

KHz	UTC	Country, Station, Programme, & Reception Details
3230	0530	ECUADOR, R Maria fair with usual relig prgm in Spanish — JD
3310	0823	BOLIVIA, Mosoj Chaski good in Quecha to past 0900, sounded like Church service then music and 2 IDs — RFK 10/4
3350	0550	COSTA RICA REE fair with several mentions of REE — JD
3375	1006	PNG, R Western Highlands fair in EE and Tok Pisin news, ID 1007 then provincial news — KVB 29/4
3965	1823	FRANCE, R Taipei Intl via Issoudun v good in EE with prgm on art of weaving RFK 10/4
3976	1032	INDONESIA, RRI Pontianak fair in Indonesian MA with many refs to Pontianak, ads — KVB 22/4
3995	0518	GERMANY, D Welle fair in German, ID 0530 — KVB 19/4
4606	0940	INDONESIA, RRI Serui fair in Indonesian, EE pop music, ID 1001 — KVB °
4815#	2350	BRAZIL, R Dif Londrina with Portuguese relig talks and brief relig vocal at 2359, ID abd freqs at top of hour followed by more relig talks and music, fair with swisher QRM - # RAD 31/3
4835	0801	AUSTRALIA, ABC Territory Radio Alice Springs good in EE with news and comment, ID 0812 — KVB 19/4
4845.2#	0127	BRAZIL, R Cultural Ondas Tropicais with vocal prior to ID, freqs, 0130 news followed by vocals, ID, freqs, and s/off at 0156 with natl anthem ,fair - # RAD 28/3
4875#	0345	BRAZIL, R Dif de Roraima with EE pops with Portuguese ID and freqs at 0358, s/off 0359 with Natl Anthem, fair - # RAD 16/3
4895#	0407	BRAZIL, R Bare with prgm of romantic vocals and Portuguese talks and IDs at 0407 & 0424, fair - # RAD15/3
4965#	0215	PERU, R Santa Monica with rustic OA music, quick ID and more music, also on at 0920 25/4 with music, shouting and IDs - # JB 25/4
4965#	0309	ZAMBIA, R Christian Voice with mix of EE talks by man and woman, and relig vocals, ID at 0329 followed by announcements and more music, fair - # RAD °
5050	1900	AUSTRALIA, ARDS Humpty Doo v weak with MA — AJS 27/4
5105	0648	USA, WBCQ in EE with the Overcomer prgm, ID over the top at 0700 — RFK 10/4
5500#	0340	CLANDESTINE, V of Peace and Democracy in Eritrea, man with talk in Tigrinya with ID and closedown at 0349, fair with // 6350 poor - # RAD 31/3
5995	0850	ECUADOR??? R L V del Upano (tent) fair in Spanish with music, ads, single time pip 0901 and 0902 then refs to Argentina. Other nights at this time refs to R Marinetta, Managua, Nicaragua, Venezuela, R Aertococo?, Broadcasts La Palabra de Dios prgm. Possible Upano ID 26/4 — KVB 17/4
6005	0447	GERMANY, Deutscheland Radio Berlin v good in German with European

weather, news at 0500, good with clear IDs — **RFK** 10/4

6010# 0035 GERMANY, Bible Voice Broadcasting with news test transmission, good - # RAD 13/4

6025 1920 HUNGARY, R Budapest poor in EE with comment on news, ID 1920 // 11720 good — KAB 29/3

6035 2100 SINGAPORE, R Japan/NHK v good in EE — IC 30/4

6045 0806 PERU, R Santa Rosa nearer 6048 than 6045 with Church service then music until 0840, plenty of good IDs — **RFK** 5/4 from home

6055 0423 SPAIN, REE v good in Spanish with comment, poor at 0320 — KAB 26/3

6055 0434 SPAIN, REE good in Spanish with music // 9535, 9620, 15160 the same — CC 26/4

6055 2334 UK, R Japan fair in EE with comment on rock bands, many mentions of Japan — KAB 18/4

6060 0901 ARGENTINA, R Nacional fair/good in Spanish with MA/FA and frequent IDs KVB 14/4

6065 1758 SWEDEN, R Sweden fair in EE s/off with ID and music, bad QRM — CC 1/5

6070 0425 CHILE, Voz Cristiana v good in Spanish with Ballads, FA with ID at 0427 after talks — KAB 26/3

6110 0810 CHILE, La Voz Crista fair in Portuguese service of Voz Cristiana, relig and other music, ID 0901 — KVB 11/4

6115 0230 ALBANIA, R Tirana poor in EE — IC 1/5

6115 1930 AUSTRALIA, Voice Intl v good in EE — IC 24/4

6120 0440 TURKEY, VOT v good in Turkish with spoken prgm with musical interludes KAB 26/3

6140 0300 TURKEY, VOT s/on in EE then short news items, review of Press and Tunes of Asia Minor, only good at s/on, v good by 0320 — **RFK** 12/4

6150 1353 SINGAPORE, R Singapore Intl fair/good in EE with 2 Yls discussing CDs, ID 1355 — CC 25/4

6180# 2215 CYPRUS, Cyprus Broadcasting Corp with big open carrier followed by man with Greek talk and music, 2223 ID and talk then music at 2238 with last song cut off, good with // 7210 fair, 9760 very good - # RAD 27/3

6185 2023 ITALY, RAI with bird song IS, chimes, ID and then EE prgm Newscast from Italy, good — KAB 18/4

6190 0501 CANADA, CRI via Sackville v good in EE with news and reports — **RFK** 9/4

6220 0430 UNID PIRATE??? Fair/good with continuous music, fade in and out times would suggest Italy as transmitter location — JD 2/5

6925# 0146 USA, Pirate KRMI R Michigan Intl fair on USB with St Patrick's Day prgm of Irish music, gave internet address for reports - # RAD 18/3

6925# 0333 PIRATE, Nth Am Unid on USB poor with music and no announcements - # RAD 31/3

6960 1830 SOMALIA, R Shabele noted here fair with typical HOA music — JD 2/5

7155 1954 THAILAND, V of Thailand fair in EE with YL with info on coming seminars, 1957 ID then s/off IS — KVB 16/4

7155 1955 THAILAND, R Thailand good in EE with What's Happening after ID — KAB 28/3

7170 2003 STH AFRICA, AWR poor in EE with news followed by relig prgm — KAB 18/4

7170 2110 CHINA, CRI good in EE with comment on Chinese cultural events, ID 2115 — KAB 17/4

7190 2000 TUNISIA, RTV Tunisienne fair in EE with ME News after ID, some QRM — KAB 27/4

7190 2006 CHINA, CRI fair in EE with comment on World News, Chinese events, intellectual property , ID 2010 — KAB 18/4

7210 0527 GERMANY, TWR via DTK good to off at 0545 in unid language — IC 19/4

7235	2010	CANADA, RCI v good in EE — IC 22/4
7260	2030	VANUATU, R Vanuatu v good with French music, ID 2053 — KAB 30/3
7275	1728	SPAIN, REE good in Spanish with OM and YL speaking, some QRM // 9665 clearer — CC 1/5
7285	1336	UZBEKISTAN, R Tashkent fair/good in EE with YL talking about Poland, some noise // 15295, 17775, the same — CC 25/4
7345	0315	CZECH REP, R Prague good in EE — IC 27/4
7345	0324	CZECH REP, R Prague good in EE with poetry reading, ID 0325 — CC 19/4
7355	0626	USA, WYFR fair in Spanish with usual relig prgm — KAB 19/4
7375	0630	COSTA RICA, University Network poor with jazz, ID then Dr Gene Scott in EE KAB 19/4
7380#	2100	CLANDESTINE, Vof Biafra Intl via Sentech Sth Africa with opening ID and EE prgm for Biafra with music, news commentary, news analysis and frequent IDs - # RAD 27/3
7385#	0230	USA, V of the NASB via WRMI with special Radio Monitors prgm from Sept 1984 with Sonya Porter and Adrian Peterson, good a great to hear this prgm from the past - # RAD 18/4
7405	1347	CHINA, CRI fair/good in EE with YL talking about Beijing writers, some noise CC 25/4
7425	0630	USA, WEWN with ID then relig prgm in Spanish — KAB 19/4
7507	0447	PUERTO RICO, AFN fair on USB in EE with US Sports News, persistent whistle CC 13/4
8749#	1033	HONG KONG, Chjna Sea Yacht Race on USB with EE weather reports, waves, winds, visibility, weak with no ID, better 9/4 - # JB 8/4

Logging of the month

is awarded to **Cliff Couch** for R Tashkent, UZBEKISTAN, on 7285 at 1336utc.

My thanks to all the contributors for the month, with a good variety of loggings this month.

For a useful list of **English Broadcasts in Time Order**, try

www.primetimeshortwave.com/time.txt

produced by Daniel Sampson of the USA.

73's,

Ken Baird

CONTRIBUTORS FOR THIS MONTH

AJS - Andrew Sunde, Ohai, ICF 2001, 3.5MHz dipole & 40m wire

CC — Cliff Couch, Paraparaumu, ATS 803A, 60m horizontal loop.

IC — Ian Cattermole, Blenheim, JRC NRD535, T2FD and Alpha Delta sloper

JB — Jerry Berg, Lexington, MA, USA, R8, 130ft longwire, 19, 41, & 90m dipoles

JD — John Durham, Tauranga, Icom ICR70, Eavesdropper trapped dipole.

KAB - Ken Baird, Christchurch, R5000, Palstar R30, 18m Wire, SW Eavesdropper

KVB — Kelvin Brayshaw, Levin, FRG7, ICF2001, 5MHz Delta Loop

RAD — Richard D'Angelo Wyomissing USA, Ten-Tec RX-340, R8B, Lowe HF 150, Alpha Delta sloper, RF Systems mini windom, Datong FL3, JPS ANC4

RFK — Ron Killick, Shag Valley, Nth Otago, Sony 6800, 80m wire

Contributions to this column may be sent to PO Box 3011, Auckland or

K A Baird, 10 Sarabande Avenue, Christchurch, 5.

Ph: +64 3 352 6455, e-mail to ka.baird@xtra.co.nz

bandwatch.over9@radiodx.com

Compiled by Andy McQueen, Brightwater

Hello from Brightwater were the autumn harvest is now complete. All times shown are UTC 12 hours behind NZ Standard Time.

KHZ	TIME	COUNTRY STATION & PGM DETAILS INITIAL
9365#	0217	ARMENIA Radio Free Asia via Gavar Tibetan pgm mainly talk with some music. EE Id 0230 "This is Radio Free Asia" Fair signal but very poor on // 11695 Al Dhabayya, UAE, 11975 Wertachtal & Poor/ fair on 15695 Dushanbe Tajikistan 15/4 RAD
9390	1959	SWEDEN R Sweden V/good with S/on in Swedish News pgm to 2100 11/4 RFK
9425	1900	GERMANY Bible Voice via DTK. Good in EE. 2/5 IC
9475	1845	AUSTRALIA R Australia V/good in EE with Item on Australian rule in the Solomon Islands 9/5 AMQ
9505	1930	Unknown Location R Farda Good in AA with Pop Mx Id @ 1930 then News 19/4 AJS
9530	1855	CANADA? RCI Good in EE with 'Cytec file' Science pgm. Transmission directed to Africa S/off 1859 AMQ
9540	1430	GUAM KTWR Good in Korean. 26/4 IC
9570	2022	SPAIN REE Good in EE with Spanish Sports News Id at 2026 15/4 CC (Did they mention David Beckham?- CC
9575#	2114	MOROCCO 9575 Radio Medi Un with Middle Eastern music and AA talks but later FF & EE pops songs. Id at 2200 followed by News. Jingle Id repeated three times at 2216. Fair to good. 27/3 RAD
9580	0430	BOSNIA IRS-M I/signal Id and then News 26/4 CC
9600	2000	VATICAN CITY Vatican Radio V/good in EE with African Sce. Church & African news followed by "Roundup" pgm Ended 2028 20/4 RFK
9635	1100	GUAM KTWR Opens in Vietnamese. Strong. 22/4 IC
9635	1558	IRAN VOIRI Fair in EE with Report from Baghdad Id at 1603 A little distorted 18/4 CC
9680	1906	USA VOA Fair in EE with News of more abuse of Iraqi prisoners 16/5 AMQ
9690#	0048	GERMANY Bible Voice via Julich, test transmission Good signal. 13/4 RAD
9705#	0408	MEXICO R Mexico Internacional Mexican Mx At 0415 Id and frequency announcement in SS at 0415 and 0438 Continuous Mx between Ids. Fair with slight heterodyne presumably from Ethiopia. 16/3 RAD
9720	2200	GERMANY D/Welle Nauen S/on in EE with News and Newline featuring Slovak celebrations for EU/ NATO entry, Lithuania Elections and vote to ban bullfighting in Barcelona etc 10/4 RFK
9736.8#	0153	PARAGUAY R Nacional del Paraguay Mx to 0158 Id in SS followed by news at 0200 and seemingly political talk from 0203. Brief Id and closedown announcements and off without an anthem. Good. 19/3 RAD
9745#	1045	TAIWAN Voice of Han Fair in CC with light pop Mx Presumed Id at 1100 Check website at <" http://www.voh.com.tw/english/top-e.html ". 18/4 JB
9770	0500	SOUTH AFRICA Channel Africa Good with S/on in EE Mostly African News then sports reports and commentary about fast tracking on sanitation and water projects 12/4 RFK

9820# 2200 CHINA China Business Radio Id at 2200 in CC and EE. 26/4 JB
 9840 2045 GT BRITAIN RVI via Skelton. V/Good in Dutch. 20/4 IC
 9925 1744 RUSSIA R Flanders Int. Music from Flanders pgm Id @ 1756 18/4 CC
 10320 0437 HAWAII AFRTS Good in EE USB Mode with talk on army decorations A little distorted 13/4 CC
 11600 0651 BULGARIA R Bulgaria Fair in EE with pleasant Mx // 13600 the same 15/4 CC
 11600 0702 CZECH REPUBLIC R Prague Good with News Id 0704 15/4 CC
 11665 0505 GERMANY AWR via DTK. Good with EE Id at 0532. 19/4 IC
 11715 0600 JAPAN NHK/ R Japan Weak in EE. 30/4 IC
 11780 0322 BRAZIL Good in PP with middle-of-road Mx. 0334 TC & adverts. 0335 Id 11/4 KVB (R Nacional da Amazonas ? - ED)
 11820 0400 ROMANIA RRI Weak but clear in EE.//15140 strong. 21/4 IC
 11840 0924 GUAM KTWR Good in EE, with pgm ending, and s/off. Id 0925 22/4 KVB
 11865 0729 ALBANIA TWR.V/good in EE with 'Insight for living' pgm 0745 Id then Dick Saunders with Way to Life and later Dr McKee 09/4 **RFK**
 0750 V/Good in EE. // 9870 also V/Good. 26/4 IC
 11905 2130 UZBECKISTAN Radio Tashkent Weak in EE. 22/4 IC
 11955 0900 AUSTRALIA Voice Int. Darwin Excellent signing on in EE delivering good music and messages of hope 'Insight for Living' pgm plus music and competitions 11/4 **RFK**
 11955 1924 GABON RFI Poor in FF with poss football commentary. 1958 I/S FA 24/4 KVB
 12065 1200 RUSSIA Bible Voice via Khaborovsk. Opens with EE Id then in to Mandarin. Good. 20/4 IC
 12090 2230 N.MARIAANAS. KFBS opens in Vietnamese. Weak. 19/4 IC
 12134 0400 USA AFRTS Florida Fair in USB with AT Network News in E 16/4 AJ5
 13610# 1936 SYRIA R Damascus FF Pgm Id then EE pgm at 2005 with news. At 2030 station on 13605 left air making this clear with press review followed by Id Poor for the most part until 2030. 27/3 RAD
 13700 2000 CANADA RCI. Fair in EE. 21/4 IC
 13720 2045 VIETNAM VOV Fair in EE. 22/4 IC
 13855 0439 ICELAND AFRTS Weak in EE with distorted signal in EE // other AFRTS frequencies 26/4 CC
 15130 2120 SOUTH AFRICA AWR vis Meyerton. Good in EE. 29/4 IC
 15130 2120 AUSTRIA AWR via Moosbrun Religion to 2130 then Wavescan about 4VEH opening these many years ago and PWO's South Pacific report 11/4 **RFK**
 15140 0450 ROMANIA R Romania Int. Excellent in EE with Letters pgm 16/4 AJ5
 15170 0700 SOUTH AFRICA RFI via Meyerton Poor in FF S/on with Id and FF news Hard gathering enough to make a report mostly places and people going, going, gone 0711- 0740 9/4 **RFK**
 15190# 1923 PHILIPPINES 15190 R Pilipinas talk & Mx Id & closedown 1928 Weak 27/3 RAD
 15230# 2000 CUBA R Nacional Venezuela relay fair/good in SS Mostly talk, but some interludes of great "classical" Venezuelan Mx. See recent WRTH update <http://www.wrth.com/WRTHA04WEB.pdf> 25/4 JB
 15235 0400 ROMANIA RRI Fair in EE. //17860 weak. 27/4 IC
 15250 2315 AUSTRALIA Voice Int. Good in Indonesian 30/4 IC
 15265 1401 TAIWAN RTI Fair in EE with Music then Id and News 25/4 CC
 15330 0940 GUAM KTWR Agana Good in II with talk and contempory religious Mx. Id

0959 24/4 KVB

15370# 1155 SOUTH AFRICA Mustaqbul African Music then talk pgm "Mustaqbul" Id then talk pgm EE Id at 1227 More Mx to 1230 Sked Mon/Tue/Thu only; also same fq, same days, 0630-0700 via UAE, but not heard then. 8/4 JB

15395# 0027 THAILAND R Thailand Fair in EE with News & features on tourism, sports, business news, etc. Gongs at 0100 followed by Id: "The time is 8:00 AM in the Kingdom of Thailand." then features continued 14/4 RAD

15460 0705 SLOVAKIA R Slovakia Int. Fair in EE with News & Id Noisy Backgrounds 15/4 CC

15480 2300 PORTUGAL RDP V/Good in PP 30/4 IC

15510 0205 CANADA RCI Fair in EE. 27/4 IC

15530# 1130 ECUADOR. HCJB Good in JJ 40th Anniversary Japanese Special, mostly talk, a little EE "Amazing Grace," off with Announcement to send reports to EE Service 1/5 JB

15605 0728 GABON RFI, Poor in EE with Jazz & Nx. ID 0740 29/4 KVB

15615 0958 GUAM KSDA Fair/Good in CC, class Mx. EE ID 0959 12/4 KVB

15675 0430 ERITREA V of Liberty Good with speech by woman 16/4 AJ5 (More likely from DTK Julich Germany-ED)

15675 1800 GERMANY Radio Santec Fair in EE. 25/4

15760 0711 ISRAEL Kol Israel Fair in Hebrew with tandem spoken pgm // 17555 the same 15/4 CC 17585

1001 UAE R. Japan, Fair in EE Nx on train collision in N. Korea. Id 1005 24/4 KVB

17805 0020 USA WYFR, Fair in PP religion talk & Mx. 0044 S/off ID 15/4 KVB

17810 0005 JAPAN R .Japan Fair in EE Nx, then 'Songs for Everyone'. Id 0007 15/4 KVB

17875 0854 INDIA AIR Good/Fair in presumed Malay with talk and local Mx. Bad hum on spoken pgm. //17510 Good sig, bad hum. Id 0857 25/4 KVB

21420 2200 NTH KOREA V of Korea Poor in CC on 3rd harmonic of 7140kHz (Heard on 5 occasions with talk & class songs). 1/5 Id, anthem & faint speech. 2200 20/4 KVB

21500 1953 CHILE Voz Crista Fair in PP service of Voz Christiana with Mx Lot of Ids & sound effects. Id 2000 17/4 KVB

21740 0100 Unknown Location RFA, Good/Fair in Uighur with spoken pgm. Co-Chan QRM from CPBS Beijing. Id 0100 17/4 KVB

21755 0714 JAPAN NHK/ R Japan Fair in JJ with spoken pgm // 11740 weaker & noisy 15/4 CC

1004 Good in EE with Nx of proposed prisoner swap US/Iraq. Id 1010 17/4 KVB

Thanks very much to all contributors for this month. Stations reported are indicated by the contributors initials underlined in Bold eg: **AMQ** The use of the # symbol is to indicate station reported outside of New Zealand. Please note that I have changed the location of this symbol to beside the frequency.

This months winning logging is

13885 kHz AFRTS Iceland submitted by **Cliff Couch**

Your contributions

are most welcome either to the email address above or Postal via PO Box 3011 Auckland or direct to me at 85 Waimea West Road Brightwater Nelson.

SHORTWAVE EXCHANGE

AJS Andrew Sunde Ohai Southland Sony ICF2001 3.5mhz dipole & 40m wire/ **AMQ** Andy McQueen Brightwater Sony 6800 and 1 m telescopic whip /**CC** Cliff Couch Paraparaumu Sangean ATS 803A with 60m horizontal loop/ **IC** Ian Catermole Blenheim JRC NRD 535 T2FD and Alpha Delta antenna /**JB** Jerry Berg Lexington MA USA Drake R8 19m & 90m dipoles/ **KVB** Kelvin Brayshaw Levin FRG-7 & Sony ICF 2001 60m & 40m horizontal loops/ **RAD** Richard D'Angelo Wyomissing, PA USA & on DXpedition Drake R-8B Lowe HF-150 Alpha Delta DX Sloper RF Systems Mini-Windom Datong FL3 JPS ANC-4 /**RFK** Ron Killick Christchurch Sony 6800 & 40m long wire

73's
Andy McQueen

shortwave.mailbag@radiodx.com

Compiled by **Laurie Boyer , Invercargill**

Greetings all I hope you are keeping warm as Winter descends on us. But it is a good time for DX.

John Durham Tauranga has verified AFN Iceland 13855, Radio Fana Ethiopia 6210, Radio Shabele 6961.

Jerry Berg Lexington MA USA With Radio Pedar England 17735, Freidensstimme Mission 15225, Radio Napa Italy 5775, Bible Voice Germany 6025, Radio Free Asia, Christian Voice Zambia 4965.

Ian Cattermole Blenheim Radio Sweden 13590, 15735, 13580, 9880, Radio Tashkent 6025, 11905, KTWR 11580, 9920, 13690, 17540, Bible Voice Juelich 5905, 12050, Khaborooovsk12065 VORussia 9860, Radio Habana, 9600, RVI Jeulich9590, Irkutsk, IBRA 9675, 7340, Radio Veritas 11720, 11835, 11795, AWR Moosbrun 9820 KFBS 15580, RVI Bonaire 11635, Overcomer 11935, 12020, AWR juelich 11655, TWR Juelich 7210, Albania 9850, 7380, Radio Santec 15675.

Ron Killick Christchurch Radio Sweden 9390, 9375, AWR Moosbrun 11865, Voice of Turkey 15195, DWR Kigali 12045, Channel Africa 15265, SARL Meyerton 17780, WWCR 5070, RNW Petro Kamchat 7315, Radio Cairo

Rich D'Angelo Wyomissing PA USA. Radio Capixaba Brazil 11785, Democratic Voice of Burma 5945, Radio Free Cascadia Mexico 15045 Denmark 7560, Radio Reveil Paroles de Vie Germany 11840, Voice of Russia Kaliningrad 6235, Radio Free Speech USA 6950 South Africa Educational Development Centre 17565

Andrew Sunde Ohai Has WWCR 3210.

Stu Forsyth Darfield Has **Logged** Portugal 11925, 9645, 12020, 11960, 11995, Radio Bandeirantes 11925, 9645, Radio Mil 6010, Deutsche Welle 13810, 11690, 6075, 17860, 9545, Radio Bucharest 9700, 11700, HCJB 3220 6080 All logged at Tiwai

Laurie Boyer Invercargill Voice International 17830, 11850, 11955, 6115, Deutsche Welle Kigali 9630, Wertachtal 11965, Kranji 15190, Kigali 12045, Antigua 9735, 9690, Naun 9720, Trincomalee 21640, Voice of Russia 9665, RNZI 15270, 9615

Best of Month under 9mhz Radio Tashkent 6025 Ian Cattermole

Best of Month over 9mhz AFN Iceland 13855 John Durham

english in time order

Compiled by Yuri (George) Muzyka, Auckland



Time Order summary of Ken's Under 9MHz & Andy's Over 9MHz 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.

Overseas contributors now have "##"s around their name initials (eg #ABC#).

*****SIGNAL STRENGTHS*** e = Excellent; g = Good; f = Fair; p = Poor.**

73 - Yuri, ZL1GYM <http://www.linradio.com/sources.htm>

Time (UTC)	Frequencies (kHz)	Station Name	Station Country	Log Date	DXer Name
0005-0007	17810f	R Japan	JAPAN	15/4	KVB
0027-0100	15395f	R Thailand	HAILAND	14/4	#RAD#
0205	15510f	RCI	CANADA	27/4	IC
0230	6115p	R Tirana	ALBANIA	1/5	IC
0300-0320	6140g	VOT	TURKEY	12/4	RFK
0309-0329	4965f	R Christian Voice	ZAMBIA?	1/4	#RAD#
0315	7345g	R Prague	CZECH REP	27/4	IC
0324-0325	7345g	R Prague	CZECH REP	19/4	CC
0400	11820p:15140e	RRI	ROMANIA	21/4	IC
0400	12134(USB)f	AFRTS	USA	16/4	AJS
0400	15235f:17860p	RRI	ROMANIA	27/4	IC
0437	10320(USB)g	AFRTS	USA	13/4	CC
0439	13855p	AFRTS	USA	26/4	CC
0447	7507(USB)f	AFN	USA	13/4	CC
0450	15140e	R Romania Int	ROMANIA	16/4	AJS
0500	9770g	Channel Africa	STH AFRICA	12/4	RFK
0501	6190g	CRI	CHINA	9/4	RFK
0600	11715p	NHK/R Japan	JAPAN	30/4	IC
0630	7375p	University Network	COSTA RICA	19/4	KAB
0648-0700	5105	WBCQ	USA	10/4	RFK
0651	11600f:13600f	R Bulgaria	BULGARIA	15/4	CC
0705	15460f	R Slovakia Int	SLOVAKIA	15/4	CC
0728-0740	15605p	RFI	FRANCE	29/4	KVB
0729-0745	11865g	TWR	ALBANIA?	09/4	RFK
0750	9870g:11865g	TWR	ALBANIA?	26/4	IC
0801-0812	4835g	ABC	AUSTRALIA	19/4	KVB
0900	11955e	Voice Int	AUSTRALIA	11/4	RFK
0924-0925	11840g	KTWR	GUAM	22/4	KVB
1004-1010	21755g	NHK/R Japan	JAPAN	17/4	KVB
1006-1007	3375f	R Western Highlands	PNG	29/4	KVB
1200	12065g	Bible Voice	AUSTRALIA	20/4	IC

1336	7285g:15295g:17775g	R Tashkent	UZBEKISTAN	25/4	CC
1347	7405g	CRI	CHINA	25/4	CC
1353-1355	6150g	R Singapore Int	SINGAPORE	25/4	CC
1401	15265f	RTI	TAIWAN	25/4	CC
1558-1603	9635f	VOIRI	IRAN	18/4	CC
1758	6065f	R Sweden	SWEDEN	1/5	CC
1800	15675f	Radio Santec	GERMANY	25/4	?
1823	3965g	R Taipei Int	TAIWAN 1	0/4	RFK
1845	9475g	R Australia	AUSTRALIA	9/5	AMQ
1855-1859	9530g	RCI	CANADA	-	AMQ
1900	5050p	ARDS	AUSTRALIA	27/4	AJS
1900	9425g	Bible Voice	AUSTRALIA	2/5	IC
1906	9680f	VOA	USA	16/5	AMQ
1920	6025p:11720g	R Budapest	HUNGARY	29/3	KAB
1930	6115g	Voice Int	AUSTRALIA	24/4	IC
1954-1957	7155f	V of Thailand	THAILAND	16/4	KVB
1955	7155g	R Thailand	THAILAND	28/3	KAB
2000	7190f	RTV	TUNISIA	27/4	KAB
2000	13700f	RCI	CANADA	21/4	IC
2000-2028	9600g	Vatican Radio	VATICAN CTY	20/4	RFK
2003	7170p	AWR	STH AFRICA?	18/4	KAB
2005-2030	13610p	R Damascus	SYRIA	27/3	#RAD#
2006-2010	7190f	CRI	CHINA	18/4	KAB
2010	7235g	RCI	CANADA	22/4	IC
2022-2026	9570g	REE	SPAIN	15/4	CC
2023	6185g	RAI	ITALY	18/4	KAB
2045	13720f	VOV	VIETNAM	22/4	IC
2100	6035g	R Japan/NHK	JAPAN	30/4	IC
2110-2115	7170g	CRI	CHINA	17/4	KAB
2120	15130g	AWR	STH AFRICA?	29/4	IC
2120-2130	15130	AWR	AUSTRIA?	11/4	RFK
2130	11905p	Radio Tashkent	UZBEKISTAN	22/4	IC
2200	9720	D/Welle	GERMANY	10/4	RFK
2334	6055f	R Japan	JAPAN	18/4	KAB



AUSTRALIA:

Voice International schedule.

English. 13635. 1100-1800. 6115. 1800-2100. 11935. 0900-1100. 13685. 0900-1300.
Chinese. 15185. 2200-0100. 17830. 0700-0900. 13770. 0900-1400. 13860. 1400-1800.
Indonesian. 15250. 23000-0200. 17820. 0600-1000.15365 1000-1300. 7180. 1300-1700.

CUBA:

NEW TRANSMITTERS WILL ALLOW RADIO HABANA CUBA TO RECOUP AUDIENCE

With respect to short wave (a basically international radio service), Justo Moreno García, technical director of RADIO CUBA, announced that this year, six transmitters located in international transmission center No. 1 in Bauta west of the capital are being automated. This will allow Radio Habana Cuba (RHC) to recover the spaces that this station had lost in diverse regions of the Americas where its signal used to reach.

In this same center, a seventh transmitter is being installed for Radio Rebelde, and an antenna system is being assembled.

Moreno said that credits granted to Cuba by China for telecommunications that allowed work on the installation in Bauta to begin in 2003. The credit for \$200 million was granted to the Cuban Electronics group by China's Import and Export Bank (EXIMBAK) via an agreement signed during President Jiang Zemin's visit to Cuba. It has mainly been used to improve short and medium wave radio services.

On a tour of the Bauta installation with Juan Carlos Pérez Pérez, its director, Granma International was able to corroborate the total change in technology in situ. Pérez especially emphasized that "of the 45 days anticipated, we were able to reduce service problems to two or three." As an interesting fact, Pérez commented that it was precisely from there, and on RHC waves, that the program *Al Presidente*, produced in Venezuela, is transmitted throughout Venezuela, live and direct via the national television channel.

Moreno informed that work is also underway in international transmission centers No. 2 in Bejucal and No. 3 Titin in Quivicn. The situation in those centers and the one in Bauta had been critical, he admitted: the equipment was "very old and inefficient," and the antenna systems and buildings were "very deteriorated." (via CUMBRE)

Perhaps we will have improved audio quality soon. (ED)

CUBA (NON)

"WASHINGTON Declaring that "we are working for the day of freedom in Cuba," President George W. Bush took steps Thursday to bypass Havana's jamming of U.S. broadcasts there. Bush ordered deployment of military aircraft to transmit signals of Radio Martí and TV Martí, which are based in Miami.

The U.S. plan involves using C-130s to fly over international waters adjacent to Cuba. Operations are expected to begin in a few months."

Here in Cancun, Mexico - Radio Marti is audible in the daytime, driving around the city. No jamming at this location. (NZ DX League member Andy Gardner in Mexico)

DENMARK:

World Music Radio On Air Tests Late April

World Music Radio, Denmark, informs on their webpage that at long last the 10 kW shortwave transmitter has arrived from Canada.

The first test transmissions are due late April 2004, the web info adds.

Frequencies will be 5815 and 15810 kHz.

A 10 kW and a 1 kW transmitter were ordered from a company in Canada to be delivered around Christmas 2003. New offices and a new on-air studio were completed February 2004, as well as new aerials near Karup in Central Jutland, Denmark. (HCDX)

An earlier WMR report in December 2003 stated this: WMR World Music Radio is currently building new offices and a new studio.

These will be ready in January 2004. A new 10 kW short wave transmitter is expected late January 2004 and the official re- launch of WMR is planned February 2004. WMR will also be available on the Internet.

WMR first went on the air in 1967 from the Netherlands, from where broadcasting took place until August 1973. Later programmes from WMR have been carried through the facilities of Radio Andorra (in 1976 and 1980), Radio Milano International (1982-1983) and Radio Dublin (1983-1989). In 1997 WMR came back on the air from 31 May to 24 August from a new HQ in Denmark and from powerful transmitters in South Africa giving a truly worldwide coverage but with Africa as the main target area. (HCDX)

GERMANY:

Evangelische Missions Gemeinden (EMG).

We would like to inform you that there is a weekly broadcast service from our Customer Evangelische Missionsgemeinden which is broadcasting on short-wave on a regular weekly in Germany language. Our Customer is planning to stop this transmission at the end of April 2004 caused by the lack of reception reports. Regarding to the EMG broadcasting service, please find attached the following technical data:

Wednesdays only, 22:00 - 22:30 UTC, using 9.860 kHz on high gain antenna system to SAM, azimuth 240 degrees.

Your reception reports would be highly appreciated . (Ralf Weyl T-Systems, DTK)
(EMG has been using 6015, 9860, 15225, 9635 on various days and all heard and verified here.ED)

GERMANY:

Bible Christian Ass. (BCA)

We would like to inform you that a new broadcast service Bible Christian Association (BCA) started it's transmissions on short-wave on a regular weekly in polish language. Regarding to the BCA broadcasting service, please find attached the following technical data, commencing from Sunday, 12. April 2004:

Sundays only, 15:30 - 16:00 UTC, using 6.055 kHz on high gain antenna system to EEUR, SEEUR, azimuth 70 degrees.

Your reception reports would be highly appreciated . (Ralf Weyl DTK.)
(not audible here on Sunday 18th. and further to the above, here are contact details as received via Cumbre. ED)

POLAND (non)

Contact info for the recently started "Bible Christian Association" prgr via DTK Juelich: Bible Christian Association started the new program in Polish via Juelich.

It goes out Sundays only, 1530-1600 on 6055 kHz.

Web: www.radio.zapraszamy.pl Email: kontakt@radio.zapraszamy.pl

Postal address: Wydawnictwo Cezary Mikołajczyk, Przegrodka 44, 43-400. Cieszyn [Poland]

The Polish name of the prgr is "Boży Głos w czasach ostatecznych"

JAPAN:

Radio Japan.

English from 29 March 2004. General Service

Southeast Asia

00.00-00.15 on 13650 & 17810. 01.00-02.00 on 11860 (Singapore) & 17810

05.00-06.00 on 17810. 06.00-07.00 on 11740 (Singapore)

10.00-12.00 on 9695. 14.00-16.00 on 7200

Asia

01.00-02.00 on 17845. 05.00-07.00 on 15195. 10.00-12.00 on 11730. 15.00-16.00 on 6190

Far East Russia

06.00-07.00 on 11715 & 11760

Southwest Asia

01.00-02.00 on 15325. 14.00-16.00 on 11730

Oceania

03.00-04.00 on 21610. 05.00-07.00 on 21755. 10.00-11.00 on 21755

14.00-15.00 on 11840 (Sri Lanka). 21.00-22.00 on 6035 (Singapore)

North America

00.00-01.00 on 6145 (Canada) East Coast. 01.00-02.00 on 17825

05.00-06.00 on 6110 (Canada) West Coast. 06.00-07.00 on 13630

11.00-12.00 on 6120 (Canada) East Coast. 15.00-16.00 on 9505. 17.00-18.00 on 9535

Hawaii

21.00-22.00 on 21670

Central America

01.00-02.00 on 17825. 06.00-07.00 on 13630. 15.00-16.00 on 9505. 17.00-18.00 on 9535

South America

01.00-02.00 on 17835

Europe

05.00-06.00 on 5975 (UK) & 7230 (UK). 06.00-07.00 on 7230 (UK)

10.00-11.00 on 17585 (UAE). 17.00-18.00 on 11970. 21.00-22.00 on 6055 (UK) & 6180 (UK)

Middle East & North Africa

01.00-02.00 on 6025 (UK), 17780 (Sri Lanka) & 17560. 10.00-11.00 on 17720 (UAE)

Africa

17.00-18.00 on 15355 (Gabon) Southern Africa

21.00-22.00 on 11855 (Ascension Island) Central Africa

Regional Service

Oceania. 01.00-02.00 on 17685
North America. 21.00-22.00 on 17825
Hawaii.
06.00-07.00 on 17870

KIRIBATI

Radio Kiribati.

The message below is from Kautabuki Rubeiariki at Radio Kiribati. Would seem that a close watch on 9825khz over coming weeks may be a good idea. *(Ian Cattermole SW Report Editor)*

Dear Ian

We will resume our transmission soon. The frequency is 9.825 Mhz and is to target the islands in the Line islands.

Kautabuki Rubeiariki(Ricky)

RUSSIA: ** U K (non). RADIO EZRA NEW BROADCAST.

Dear Short Wave Listeners and Radio Enthusiasts. Radio Ezra is pleased to announce a new series of weekly English language broadcasts commencing on Sunday 6th June 2004. The broadcasts will be targeted towards Europe, North Africa and the Middle East on 17490 kHz between 0900 and 0930 UT via the Krasnodor transmitter in Russia. Radio Ezra is the Radio Outreach Project for the World Karaites Movement and the only counter-missionary radio station in the world. Reception reports are very welcome and a QSL certificate will be issued to any correct reports received. Contact information will be given out on air. In the meantime, please refer to the station website for any further information. www.radioezra.com John D. Hill (Station Owner) (via DXLD)

LATIN CORNER. COLOMBIA???

Radio Familiar Cristiana new on 4916 kHz

4916.0v kHz Radio Familiar Cristiana, unknown QTH(Could be Colombia) 30/3 2004 1100 UTC.

Religious programming being heard up to 1125 and then greetings and music in a program called "Amanecer con Cristo". Transmitting from(?) "Centro de Vida Cristiana Asamblea de Dios". I'm not sure but it is my opinion that it is a Colombian station. UTC -5. "Radio Familiar Cristiana" has transmitters on FM in some Colombian cities: Tunja, Boyacá-Sogamoso, Boyacá-Duitama, Boyacá-Chiquinquirá, Boyacá-Bucaramanga, Santander. You are very welcome to listen to my recording of "Radio Familiar Cristiana" at: <http://www.malm-ecuador.com> (Bjorn Malm via HVDX)

PARAGUAY:

I received some minutes ago a email from Adan Mur, Radio America, Paraguay. He tells me that Radio America is helping a local technical college in Embury, for the student's training.

The college made a radio station absolutely independent from Radio America and is on the air in this days in the old frequencies of RA: 1610 khz and 7370 khz.

Radio ColÈgio TÈcnico Municipal Santa Rosa de Lima in on air with 5 watts and bidirectional antennas to 90 & 270 degree. For mediumwave, the antenna is 1/4 wave and shortwave antenna is the 5/8. Tranmission hours: 1000 to 2000 UTC.

Reception reports to: Orlando Torres, Radio ColÈgio TÈcnico Municipal Santa Rosa de Lima, –emby, Paraguay. The email address is: ctmrsl@hotmail.com (Arnaldo Slaen via HCDX)
Would be a good catch here but a tough one (ED)

FEATURED FREQUENCY. **This month it is 9780KHZ.**

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

Time.	Station.	Country.	Days.	Language	Power .	Site
0300-1900	Yemen Radio & Television	Yemen	1234567	Unknown	50	Sanaa
0325-0600	China Radio International	China	1234567	Unknown	50	Xining
0400-0415	BBC Worldservice	United Kingdom	1234567	Unknown	250	Woofferton
0430-0500	Deutsche Welle	Germany	1234567	UKRAINIAN	500	Wertachtal
0500-0600	HCJB - Voice of the Andes	Ecuador	1234567	GER	100	Quito
1400-1500	VOA - Voice of America	United States	1234567	Unknown	500	Tinian Islands
1500-1600	VOA - Voice of America	Philippines	1234567	Unknown	250	Tinang 1
1600-1630	BBC Worldservice	United Kingdom	1234567	Unknown	300	Skelton
1630-1730	Islamic Republic of Iran Broadcasting	Iran (Islamic Rep. of)	1234567	ARMENIAN	500	Sirjan
1800-2200	Egypt Radio & TV Union	Egypt	1234567	Hausa,Urba	250	Abis
2100-2200	Radio Budapest	Hungary	1234567	Hungarian	250	Jaszbereny

Your All Hit Music Station





Readers will have noticed loggings on the frequency of 9032 with aircraft using call signs of ICE. This call sign denotes ski equipped LC 130 aircraft of 109th Airlift Wing of the US Air National Guard flying to and from McMurdo Base and Christchurch. These aircraft fly in support of the US National Science Foundation which carries out a wide range of scientific research in the Antarctic. This work was previously carried out by the US Navy's Antarctic Development Squadron VXE 6 until replaced by the 109th Air lift Wing.

Noel Jones gives news of Norfolk Jet Express looking at a twice weekly service to Auckland.

"Backpackers Xpress is rumoured to be flying a weekly service from Melbourne to Auckland and Christchurch. The airline is presently said to be flying from Manchester, England (its base) to Melbourne for a return fare of 550 pounds"

More news on both of these items when it comes to hand.

- 2033 0701 Molesworth Station mustering sked Farm base to various mustering crews etc. PC
- 3023 0800 McQuarrie Island VKM base to Herd Point Waterfall Bay etc Nightly skeds this time. PC
- 4493 0736 Wakefield Base to remote two stations arranging staff pickups. PC
- 4586 0615 ZL Awatere to ZL ? base. Grid reference given for position Talking stags etc I have a problem — running out of gin. PC
- 4853 0402 4 WD guys crossing farmland coordinating opening and closing of gates Now back on to White Rock road. PC
- 5290 0755 AF 16 and ZKG 40 general radio chat WX etc. PC
- 5643 0335 Auckland/Kiwi 766 Radio check. NJ
- 5643 0951 Auckland/Freedom 818 Position at 0947 FL 350. EM
- 5643 0919 Auckland/Argentina 1183 46S 170W at 0917 50S 160W at 1011 56S 150W at 1059 Request block. MJ
- 5667 1123 San Francisco/Korean Air 001 Maintaining FL 370. MJ
- 5667 1119 San Francisco/Korean Air 001 Request climb FL 370. MJ
- 5687 2106 Iroquois 09 to Auckland reporting ops over Waiouru training area Instructed to report every 30 minutes. PC
- 6215 1034 Taupo Maritime Radio calls "May Day Forum Fiji 2 this is Taupo Maritime Radio" several times over 15 minutes No reply The captain went overboard and drowned. JC
- 6330 2040 South Island caravanners with general chat on Wx and travel plans. PC
- 6628 0640 Santa Maria/World 121 FL 370. MJ
- 7848 2305 ZKG 4 WD guys Auckland guy relaying stores order messages between mobiles in Picton and Blenheim as skip not strong enough to contact direct. PC
- 8022 0845 Adelaide with traffic V6208 changing conditions. EM
- 8867 1032 San Francisco/NZ 37 Revised estimate 00N 158 W at 1110. JC

8867 1034 Unid calls Pascua (Easter Island) no reply. JC
8867 1035 Tahiti/Qantas 267 with position and SC check on AQ-CG. JC
8867 1038 Brisbane/Heavy Cargo 930 Request 160 miles W of track due Wx. JC
8867 1040 San Francisco/Air Canada 033 SC check DR-CQ. JC
8867 0419 Auckland/Reach 5E1 Position report FL 350. RW
8867 0433 Reach 5E1/Auckland Confirm KELAN 0432 Descend FL 250 and contact Pago Pago tower. RW
8867 0824 Auckland/Reach 7019 BUDRA at 0824 ELMS ? EGYPE ? MJ
8867 0502 Auckland/Reach 366Y Request deviate W to 280 degrees Disregard request. MJ
8867 0445 Auckland/Reach 5E1 Beginning descent. RW
8867 0055 Auckland/Reach 6E1 Climb to and maintain FL 360 At VANDA contact Christchurch Tower (USAF rescue of Personnel from Antarctica). RW
8867 0949 Auckland/NZ 154. EM
8867 2100 Auckland/Kiwi 026 Ops normal Will call again at 2200 Moving between military areas 3 3A and 3B. RW
8867 0226 Aussie 087/Auckland Clear to deviate up to 10 miles left or right of track. RW
8867 0755 Aussie 087/Brisbane Contact Auckland on this frequency Secondary 5643. RW
8867 0047 Auckland/Kiwi 912 Estimate Whenuapai 0315. RW
8867 0048 Nadi/Kiwi 104 Position report (took a while heavy radio traffic) RW
8867 0328 Auckland/Express 92 (B727) FL 380 LUNBI 0441 SC HJ-DG (Express One International). NJ
8894 0529 Algiers/Seychelles flight advises airborne 0522 15 people on board Endurance 3 hours from departure. JC
8894 0430 Niamey/MKA 302 from Nairobi. JC



Australian Air Force Beech Super King Air 350 photo taken at Whenuapai Air Force Base on May 11th 2004 by League member Noel Jones

8894 0531 Algiers/El Al 526EE position MNA (El Golea Algeria) 0529 FL 410 GHA (Ghardia Algeria) 0544. JC

8903 1002 Manila/Reach 934 Next KABOB at 1008 Maintaining FL340. RW

8903 0426 Unid calls N'Djamena but no reply heard. JC

8903 0507 San Francisco/N134AR position 150 miles W of Hawaii. JC

8930 1951 Stockholm/Air France 5006 departed out of KWI 1900/30 estimate destination 0038 Pax 132 SC CF-BK. JC

8930 2019 Stockholm/World 173 Departed Brussels 1957/2015 Estimate Dayton Ohio 0416 SC GH-CR. JC

8942 1148 Manila/Singapore FL 380. MJ

8942 1029 Manila/UPS 6835 with position report. JC

8951 1032 Tokyo/Singapore 016 SC ZR-AB. JC

8957 04094 Shannon Volmet Wx for Cologne Dusseldorf Munich. EM

8974 0746 Aussie 509/Air Force Darwin Called number of times but no reply. RW

8974 0922 Colt 1 (F111)/Air Force Sydney Met reports for Amberley Pearce and Butterworth. NJ

8974 0858 Cannon Creek/Air Force Darwin Met report for Amberley. NJ

8974 0749 Air Force Darwin/Stallion 054 (C130) Radio check. Good readable Request CD Standing by CD Switching this time. RW

8992 1037 Offut/Javelin 88 (RAF) relay message to NIMMAR Det Nassau. RW

11175 0855 Skyking Skyking do not answer M4C time 55 authentication GT. NJ

11253 0238 RAF Architect Wx for Scampton Waddington. EM

11297 0357 Rostov Volmet E of Ukraine. EM

11297 0456 Rostov Volmet. MJ

11318 0331 Syktvar Volmet Russia. NNE of Moscow. EM

11318 0340 Novosibirsk Volmet Russia. N of Kazakstan. EM

11318 0347 Samara Volmet Russia NNE of Volgograd. EM

11318 0353 Tyumen Volmet Russia N of Kazakhstan. EM

11396 0944 Brisbane/Emirates 404 Unable to lock on to data link. EM

11396 1049 Ujung/Cathay 100 Will contact Ujung Control on 128.1. MJ

11396 1043 Bali/Speedbird 10 FL 360 ILDAM at 1109. MJ

11396 1043 Brisbane/Thai 998 FL 340 Returning to 6556. MJ

11396 1035 Brisbane/Thai 986 FL 340. MJ

11396 1034 Jakarta/Cathay 776 SC check EG-CL OK FL 410. MJ

11396 1019 Manila/ADB7064 (Antonov Design Bureau) Estimating MEDUP at 1029. MJ

11396 1055 Bali/FedEx 77 AMN (Ambon) at 1054. MJ

11396 1144 Manila/FedEx 77 Will contact 128.1. MJ

11396 1038 Jakarta/Speedbird 10 Calling No answer from Jakarta. MJ

11396 1017 Ujung/Cathay 100 FL 380. MJ

11396 1012 Ujung/Qantas 187 AMBON 1008 BONDA 1058 MOLLY next SC EG-DK (VH-OGP B767-300ER). MJ

11396 1044 Brisbane/Speedbird 16 In contact with BALI now. MJ

11396 0856 Manila/FedEx 21 FL 360 Will call Manila 120.7. MJ

11396 0856 Ujung/New Guinea 210 NG now back on track Will report BIK (Biak). MJ

13261 0724 Nadi/Reach 5ER1 Position report SC check OK. RW

13261 1010 Brisbane/Aussie 656 FL 350 Position report. RW

13261 0337 Brisbane/Aussie 656 From Brisbane Center cleared to divert up to 20 left or right of track Report back on track Amended transfer frequencies sir primary now 17904 and secondary 11384. NJ
17904 0356 San Francisco/Aussie 656 next position 02S 162.50E 0442 Following point VIGRA back on track SC MP-HL. NJ

Contributors

PC Peter Chambers, Napier, Drake R8A with 15m horizontal wire
JC John Charlton, Greymouth, Kenwood 5000, 30m wire
MJ Mike Jackson, Feilding, Lowe 235, 5.6/8.8 dipole
NJ Noel Jones, Auckland, NRD 535, Kenwood 5000, T2FD
EM Evan Murray, Auckland, Kenwood 5000, T2FD
RW Rohan Wahrlich, Te Kauwhata, Icom R75, Kenwood 5000, T2FD

***** INTERNATIONAL PIRATE ***MAIL DROPS*****

*Basel: Box 510, CH-4010 Basel, SWITZERLAND
*Belfast: Box 1, Belfast, NY 14711
*BRS: Box 109, Blue Ridge Summit, PA 17214
*Elkhorn: Box 69, Elkhorn, NE 68022
*Eisenach: SRS Deutschland, --Station Name-- Postfach 101145, 99801 Eisenach, Deutschland (Germany)
*Herten: PO Box 2702, 6049ZG Herten, The Netherlands
*Hoogeveen: PO Box 663, 7900AR Hoogeveen, The Netherlands
*Huntsville: Box 11522, Huntsville, AL 35814
*Merlin: Box 293, Merlin, Ontario NOP 1W0, CANADA
*Neede: PO Box 73, NL-7160 AB, Neede, The Netherlands (Radio Spaceman)
*Pittsburgh: Box 25302, Pittsburgh PA 15242
*Providence: Box 28413, Providence, RI 02908
*Santiago: Casilla 159, Santiago 14, CHILE
*Wuppertal: Box 220342, D-42373, Wuppertal, GERMANY
*Ytterby: C/o SRS News, Ostra Porten 49, 442 54 Ytterby, SWEDEN

(Free Radio Weekly May 8 via DX Listening Digest)

E-MAIL ADDRESSES FOR PIRATE STATIONS

To be continued in the DX Times next month (Space permitting)



Hey everyone. Let's get straight into this month's news.

New frequencies for Life FM

According to Rhema Broadcasting Group, Life FM is now on air from the following new locations: Whangarei 98.7, Gore 92.6; and plans to add the following locations soon: South Taranaki 99.5, Kapiti 96.7, Porirua 99.2 and Invercargill 100.0; and NZ's Rhema will shortly add South Taranaki 107.5 FM. *(David Ricquish, Wellington)*

New TRN station — Coast FM, Auckland

New radio station woos baby boomers

Auckland's newest radio station is bypassing hip young things in favour of an audience closer to the age requiring bypass and hip operations.

From Monday, Coast 105.4 FM aims to deliver pre-disco crooners and soft-rockers to the ears listeners aged from 45 to 59 - the baby boomers.

The boomer market is a magnet for advertisers and is attracting the attention of radio companies around the world, says David Brice, programming director for the station's owner, The Radio Network.

TRN already runs 91ZM, Classic Hits 97.4FM, Newstalk ZB, Radio Hauraki, Easy Listening 198.2FM, Radio Sport and Cool Blue FM, whose eclectic musical mix is now under review.

Coast's menu of hit artists like Dinah Washington, Neil Diamond and Manhattan Transfer will place the station somewhere between ZB and Classic Hits, says Mr. Brice.

Ads will be limited to two at a time and only five minutes in total an hour.

News bulletins will be several minutes long and more frequent than at other music stations. Surveys show this is what the baby boomers want, says Mr. Brice.

TRN paid \$6.5 million for the 105.4FM frequency at an auction last November.

Rival CanWest NZ paid \$6.3 million for another Auckland FM frequency, 100.6, at the same time.

The new stations will give Auckland's million-plus population the choice of 44 different radio stations, 29 broadcasting on FM and 15 on AM.

Although CanWest NZ will not say whether it plans to launch a rival easy-listening station for listeners aged 30 to 54, as initially reported, the company agrees baby boomers are popular with advertisers.

"It's a demographic that is heavy in consumers," said chief executive Brent Impey. (NZ Herald 24/4/2004)

Coast the first to cruise away

The problem: Last November's Government auction of two new Auckland frequencies was a double-edged sword for the country's two heavyweight radio broadcasters.

The Radio Network (TRN) and CanWest both needed to secure one of the expensive

frequencies to retain their existing market share in the cluttered Auckland airwaves.

When the hammers finally fell, TRN found itself the owner of 105.4 FM for \$6.5 million. Rival CanWest had paid \$6.3 million for 100.6 FM.

The next question was what to do with the frequencies.

CanWest has previously said it would bring its easy-listening The Breeze format to Auckland, although it said this week that decision was not set in concrete.

TRN has been quicker off the blocks. This week it launched its 100th station, Coast, on the new frequency.

The research:

Coast is aimed at the high-spending baby-boomer generation, and its format was decided only after the most extensive pre-launch research TRN has undertaken, the company said.

That research involved quizzing hundreds of people in focus groups to gauge not only their musical tastes, but also their likes, dislikes and lifestyle preferences.

"Coast fills the last gap in radio listening, catering for the 45-59 age group with 'timeless' music," said TRN's Auckland general manager, Grant Lee.

"Other stations have formats which are either geared to a particular music genre such as rock, or to a theme such as Classic Hits.

"We also researched the US market and surprisingly did not find a similar format.

"It is a product that TRN has developed and it is seen as having significant potential internationally as radio audiences become more segmented."

Baby boomers are becoming this country's most influential and affluent generation and are as likely to switch brands as their children.

The point of difference:

Coast is trumpeting its low advertising ratio - presently restricted to no more than two consecutive advertisements and a maximum of six minutes an hour of ads at peak time, reducing to four or five minutes an hour at other times.

Lee said the company's research showed support for this lower-than-normal advertising concept.

The lessons: One of the key findings of TRN's research prior to launching Coast was "baby boomers know what they like, what they want and what they don't want", said Lee.

However, "they don't like being told what they like or want".

For that reason, Coast would avoid too many on-air self-promotional statements. (*NZ Herald 29/4/2004*)

Coast, broadcasting from Cook Street Auckland will appeal to League members and has a good clear signal. (*Evan Murray*)

Last Monday, 25 April, Auckland's latest commercial FM station - 105.4 Coast FM began full-time broadcasting. Previously the frequency had been testing with another TRN (The Radio Network) format, Classic Hits. In the week leading up to the station launch, a tape loop was carried, initially with just Frank Sinatra's "New York, New York" which appropriately begins with the words "Start spreading the news..." and announcements promoting "Auckland's newest radio station, 105.4 FM", "timeless artists, timeless songs, timeless music on 105.4 FM", "playing the songs that other radio stations have forgotten", "songs that stand

the test of time”, and so on.

Format could be described as pre-disco crooners and soft rockers. Quoted in the NZ Herald newspaper, TRN Programming Director David Brice confirms the target audience is the baby boomers, those aged from 45 to 59, which is a magnet for advertisers.

As a baby boomer myself, I've found their music format appealing, plus the fact that advertising does not exceed 5 minutes an hour and no more than 2 commercials at a time. There are also more news bulletins (from the Newstalk ZB Newsroom) than other music stations carry.

The 105.4 FM licence was acquired by TRN at auction last November for \$6.5 million.

The other Auckland frequency auctioned at that time - 100.6 FM went to TRN rival CanWest NZ for \$6.3 million. Earlier reports suggested they would launch an easy listening station targeting the 30 to 54 year old listener segment.

With the arrival of 105.4 Coast FM, Auckland's 1 million population have 44 different radio stations to choose from, 29 of them on FM.

Meantime another TRN Auckland station, the eclectic 96.1 Cool Blue FM has an uncertain future. I like this one for the amount of world music it plays, though the format is predominantly blues and jazz. It has a very loyal albeit listener group and in response to my suggestion that Cool Blue consider a 'subscriber' approach like Australia's MBS stations, TRN's Brian Barclay says this suggestion has already been made to management, but no decision has been made yet. Listener feedback is encouraged via the website www.coolblue.co.nz (Bryan Clark, Auckland)

Low Power FM in Hutt Valley

Doug Ingham, Lower Hutt, reports that a new station has appeared on 107.2 MHz. The transmitter is located part way up Redvers Drive, Belmont, on the western hills above Lower Hutt. The station identifies itself as "a test transmission from Core FM".

Doug comments that most of the guardband FM stations he can hear from home play "drums and bass" or "head-banger" type music. He wonders how many people actually listen to these stations.

He reports that Harbour FM, on 107.3 MHz, also located on the western hills, but 4 km further down the Hutt Valley, is celebrating its second birthday. This station targets the over 50s middle-of-the-road listener: "National Radio without the talk".

Located nearby, Petone FM, on 88.1 MHz, targets an older audience with the slogan: "no adverts, no inane chatter, just continuous beautiful music".



Christchurch Scene

1. Please do not take this to be the complete scene.
2. Survey March and April 2004, †does not include Banks Penn or North Canterbury. (these may come later?).

- 88.1 Pegasus FM, also noted ID as "Fun Country"
- 88.3 K FM, in Korean, see also 96.1 in March
- 88.4 The Wave, at New Brighton, does not hold up for long-plenty IDs
- 88.5 Chinese Radio in Chinese, see also 105.6
- 88.7 Pulzar FM, seems to be off Southshore mast, vg in New Brighton and Woolston to Sumner areas
- 88.7 Harmony FM, noted in NE ChCh area, †commercials for Belfast and Rangiora areas
- 89.0 The Edge
- 89.2 ZM-FM, Scarborough repeater
- 89.7 CP ChCh
- 90.5 Tahu FM - note Tahu Dunedin is now 95.0 (I noted at Easter)
- 91.3 ZM-FM
- 92.1 More
- 92.9 Solid Gold
- 93.7 The Rock
- 94.5 Lite FM
- 95.3 CP FM Mt Pearce relay
- 96.1
 1. K FM 88.3 noted here in March
 2. 24 April on, G FM, new student course, worse than Shortland St for who is not paying
- 96.9 Plains
- 97.7 Classic Hits
- 98.5 RDU
- 99.3 Channel Z
- 99.9 CP Southshore repeater
- 100.9 NIU FM
- 101.7 National
- 104.1 NIU FM
- 105.6 Chinese Radio was there in March with 88.5, but cannot find now
- 106.7 Just Country, loud and clear for miles Timaru also here, Sunday is Gospel Country music
- 107.3 Sounz, noted NE ChCh, runs (and announces it) Just Country Sundays, I noted from 2210 Sat
- 107.5 R.Redwood
- 107.7 Pulzar FM, noted in NE ChCh.

(Ron Killick)

Thanks Ron - Mark (Chief Ed)

Book Review

Domestic Broadcasting Survey

Reviewed by
Paul Aronsen
Invercargill

Domestic Broadcasting Survey April 2004
Sixth Edition (including 32nd Edition Tropical Bands Survey)
Compiled by Anker Petersen April 15 2004 Danish ShortWave Club International

I have just received the 6th Edition of the Domestic Broadcasting Survey, compiled by it to be yet another excellent and valuable and handy publication for reference to active stations operating on the Tropical bands, covering frequencies from 2310 kHz to 5700 kHz

Frequencies above 5700 K/hz show Domestic Stations that operate in the International Bands up to 29810 K/hz and there are many of them listed in this section.

This is followed by another section of Clandestine Stations operating from 3850 K/hz to 21550 K/hz.

The final section of this essential publication, shows a listing of Stations, and frequencies that have been deleted from the DBS since May 2000.

The DBS is a very easy publication to use as it shows the Frequency, Power, Country and Station, times of operation, along with other details that provide useful information, re programming, parallel frequencies etc that are useful in helping to Identify stations etc and finally a date when the station was heard by one of the many monitors who help with the listings in the DBS. Over the years that I have been getting this annual publication, the DBS is the First item that I put in my Brief case when going to Tiwai or other places for DX Weekends, it is a "Must Take" at all times, and has been most helpful when Dxing away or at home. For those whose Dxing interests take them to the tropical bands like I do. you will find the DBS a very good and easy to use publication for quick reference to helping Id those hard to hear stations and I consider this, publication to be more useful than the WRHB for quicker Identification etc

.The DBS is 48 pages of A4 size and can be obtained from
The Treasurer , DSWCI , Bent Nielsen , Egekrogen 14 , DK 3500 Vaerlose , Denmark

An E-mail editon (approx 663KB) costs 6 IRCçs , Or the printed version costçs 11 IRCçs. I consider the e-mail version to be the better purchase as you only need to print the sections you favour

E-mail enquiries can go to Anker Petersen at anker.Petersen@get2.net.dk

Or Bent Nielsen bentndx.elinh@post.tele.dk

PRESS RELEASE FROM
THE **DANISH SHORTWAVE CLUB INTERNATIONAL** (DSWCI)
NEW SURVEY AVAILABLE:
The **DOMESTIC BROADCASTING SURVEY 6** (DBS-6)
edited by DSWCI Chairman, Anker Petersen.
ISSN 1399-8218

The 47 years old DSWCI which still has experienced DX-ers in 35 countries all over the world as members, has just issued the 6th Edition of its annual **Domestic Broadcasting Survey**. This time the survey is divided into four parts:

Part 1: The 32nd edition of the Tropical Bands Survey covering all **ACTIVE** broadcasting stations on 2300 - 5700 kHz.

Part 2: Domestic stations on international shortwave bands above 5700 kHz broadcasting to a domestic audience, or relaying such broadcasts to compatriots abroad which have increased in order to save production costs in external services.

Part 3: All

ACTIVE Clandestine shortwave stations are listed with schedules and identifications in a different lay out.

Part 4: Deleted frequencies which have not been reported heard during the past four years. This new Survey is based upon many official sources and DX-bulletins. A04 schedules are included when available.

In order to make the DBS reliable, our own monitors around the world have checked throughout the period May 2003 - April 2004, if each of the 1560 station frequencies is on the air. As a result of this monitoring, about 70% of the frequencies already have been confirmed being used in 2004! **ACTIVE** stations are marked with an A ("Regular"), B ("Irregular") or C ("Spodic") in the list. D means "Likely inactive".

A unique feature is the right column called "Last log". It shows the last month and year before DBS deadline on April 15, 2004 when the particular station was reported logged by a DX-er somewhere in the world. This is another way of indicating the current audibility of the station.

To make this DBS up-to-date and user-friendly, most frequencies which have not been heard during the past year have been deleted and moved to Part 4.

Other useful features for easy identification (ID) are the parallel frequencies and reference to Station ID sentences.

Some sample extracts from the DBS-6 are shown on *(page 28 of the May 2004 May DX Times)*. Reviews can be found on www.dswci.org *(and on page 25 of the May 2004 DX Times by Southland League member Paul Aronsen)*

The 48 pages A-4 size DBS-6 is available by e-mail as pdf-format (about 663 KB). A limited number is also printed on paper.

They are sold by the treasurer:

DSWCI,
c/o Bent Nielsen,
Egekrogen 14,
DK 3500 Vaerloese,
DENMARK

E-Mail edition: DKK 40,00 or USD 7.00 or EUR 5,00 or GBP 4,00 or IRC 6.
Printed edition: DKK 75,00 or USD 13.00 or EUR 10,00 or GBP 7,00 or IRC 11.
Payment by cash notes is preferred. Checks are not accepted.
DSWCI Bank is Danske Bank, 2-12 Holmens Kanal, DK-1092 Copenhagen K, Account: DK
44 3000 4001 528459.
Swift: DABADKKK
Postal Giro Account: DK 10 3000 007 103409 (add fee: DKK 30!).
Best 73's,
Anker Petersen
anker.petersen@get2net.dk
Bent Nielsen
bentndx.elinh@post.tele.dk



domestic broadcasting survey

6th Edition, April 2004
ISSN 1399-8218

Edited by Anker Petersen



Tahitian girl playing Ukulele.

(Photo taken by the Editor)



Easter DXpeditions and the chance for a few days DXing at Tiwai highlight our pages this month. And read about some possible dream QSL's from 1540 WREJ Richmond Virginia, 13 watts read on.

Out of the MAILBAG:

RAY CRAWFORD, Forestdale, Queensland has returned to Queensland and says " Have the feet firmly planted back in OZ after a great trip to New Zealand and spent 9 days dxing at the Tiwai location and managed to get one night in with Paul Ormandy at Waianakarua. Now just have to get stuck in and write the reports.

The following stations logged and will get reported in due course. R Pacific 738, 1071, LiteFM 1260, 2XWB 1233, 2ZT 1269, 2XM 1161, Southern Star 963 and 981, 7RN 585, Samoan Capital 783, R Sport 1062, 1494, 1377, 1XTR 1521, JO 1530, 1XD 1476, WDHP 1620, WXYT 1270, XEFAJ 1560, KBKO 1490, KHTK 1140, KXTA 1150, KMIK 1580, WRLL 1690, KVNS 1700, XERED 1110, WREJ 1540, WAZX 1550, WQBN 1300, WDSS 1680, WMWR 1670, WCNZ 1660, KTIQ 1660, WJCC 1700, KCAA 1560, R Nacional Gualaguaychu Argentina 1310, XEQS 930, XERE 920, KION 1460, KMKY 1310, KVNR 1480, HJEW 1110, HJAJ 760, HJJX 770, HJES 980, HJPL 670, R Maria Ecuador 580, R Santa Rosa Peru 1500, HJCS 930, HJJW 1460, HJLI 1520, HJDU 1410, Teleradio Ecuador 1350, HJEE 1380, HJHK 1420, HJTL 940, HJRM 1580, HJGE 880, HJHK 1420, HJCV 700, HJKH 650, R Miraflores Peru 1250, R Victoria Peru 780, R Punto Fijo Venezuela 940, R Cordoba Argentina 700, HJDC 790, HJKH 650, Nacional Venezuela 1310, HJKK 840, And probably more if the tapes get checked out.

QSL's in from KION 1460 email from Jim Hilliker jimhilliker@sbcglobal.net , KHTK 1140 email from Mike Remy PD at mremy@infinitysac.com , WRLL 1690 email from Kathy Worthington at kathyworthington@realoldies1690.com

Now all we want is for the replies to come in. (A great time was had by all it seems Ray. TK)

STU FORSYTH, Darfield, sojourned at Tiwai also. His loggings at Tiwai are:

KMJ 580, KVNS 1700, WRLL 1690, 7PB 747, WREJ 1540, WHKT 1650, WKQV 1610, KWRU 940, XEMR 1140, WDSS 1680, WMWR 1670, WCNZ 1660, R.Pacific 738, 711, 1071, XEFAJ 1560, France 162, KNBR 680, KDIS 1110, KION 1460, KYOS 1480, KRVN 880, KBLA 1580, HJEW 1110, XERED 1110, KOA 850, HJJC 850, HJCS 930, KXTA 1150, OBX4I 1500, HJJW 1460, XECAH 1350, 6VA 783, 6NA 918, 6TZ 756, 7NT 711, WDHP 1620, 3RN 756, 2ZC 1278, HJLI 1520, OBZ4X 760, HJCG 1070, XEQS 930, XERE 920, KHTK 1140, KMKY 1310, KVNR 1480, HJAJ 760, HJJX 770, HJPL 670, OAX4M 580, HJDU 1410, KTIQ 1660, HJEE 1380, HJHK 1420, HJTL 940, HJRM 1580, HJCV 1190, LRA7 R Nacional CŪrdoba 750, YVOL R Mundial 860, LV3 R CŪrdoba 700. **QSL's** in from KMJ 580 by e-mail, v/s John Broeske (jabroeske@cbs.com); WRLL 1690 by e-mail, v/s

Kathy Worthington (kathyworthington@realoldies1690.com) - they apparently read my letter out on air - I'll bet that was riveting listening!!; KION 1460 by e-mail, v/s Jim Hilliker (jimhilliker@sbcglobal.net). He comments that the only reports they have had in the last couple of years have been from Paul Ormandy and Patrick Martin - what a pair!; WREJ 1540 Richmond, Virginia by e-mail, v/s Steve Miller, Dir. of Ops. (smiller@radiorichmond.com) - the thing is that they may have been b/c on 13 watts. He thinks this is the case unless computer let them down and didn't cut power after midnight (I think the latter is more probable); 2ZC 1278; KHTK 1140 by e-mail, v/s Mike Remy, PD (mremy@infinitysac.com); R Nacional del Peru 1320 (must be a relay of) logged 2 yrs ago at Waianakarua, v/s Luis A. Umbert D., Gerente de Radio (osalinas@irtp.com.pe) for country 46; LRA 7 R Nacional CÚrdoba, Argentina, v/s Munera Eastman Radio (munera@radiomunera.com) for country 47. I have written most of them, now I have to be patient and get excited !

DAVID NORRIE, Auckland is in the hunt for a QSL from WREJ 1540 with an expected power of 13 watts. (See Stu Forsyth listing above).

The following email from the Director of Operations Steve Miller of the Radio Richmond says:

"Hi Mr Norrie, I am working on confirming the exact wattage of WREJ the night of the 9th for you all. While it's theoretically possible for you to pick up 13 watts down there, it's highly unlikely! I am pretty close to confirming that you all caught us in a violation. Thanks,

Steve Miller

Radio Richmond Director of Operations
WLEE/WHAP/WREJ/WVNZ

STEVEN GREENYER. Timaru, in two evenings at Waianakarua with Paul logged up some old and new Yanks, KVNS Brownsville TX 1700, KFSG Roseville CA 1690, KYOS 1480, KFI 640. KMJ 580, KSAL 1150, KJLL 1330, KION 1460, Carve Uruguay 850, La Amistad Chile 1480. Email varies in from KMJ and KION

GORDON MATHIESON, Paeroa has logged Community Radio Hamilton 1206 and QSL'd 4XS Hills AM Dunedin 1575.

DAVID RICQUISH, Wellington has been in the Pacific and has logs of SBC Radio 1 540, KORL 690, SBC Radio 2 747, Radio Tarawa 846, KHCM 940. QSLs: SBC Radio 1 540 (note on report), SBC Radio 2 747 (note on report), 2AP 747 (note on report for 1994 report) - all collected in person in Apia.

BROADCAST NEWS

Samoa

The two AM stations in Samoa are now known as SBC Radio 1 (540, 10kW) and SBC Radio 2 (747, 10kw). The latter is only on for a couple of hours in the morning with education

programs for Samoa and Tokelau and uses a mobile studio parked outside the SBC Radio 1 building. The heritage callsign 2AP was dropped last year when radio and TV (Televise Samoa) services were combined under a new board.

American Samoa

KJAL 580 is barely heard in Apia (100km away) at night, and is not 24/7 as KMJ Fresno is heard every night. Very poor modulation when heard, and usually in Samoan.

New Zealand

Steven Greenyer, Invercargill sends us this news from the Southland Times of 6 May written by Sonia Gerken.

Independent Gore radio station Hokonui Gold is set to join the stable of national broadcaster the Radio Network from June.

Hokonui Gold chief executive Jamie Mackay yesterday announced he had leased the station operation to the Radio Network for seven years, with an option to sell. He stressed it would be business as usual for Hokonui Gold and all staff would retain their jobs. However, he would be handing over management of the station to operations manager Nick Jeffrey so he could concentrate on hosting a nationwide daily farming show on the Newstalk ZB community network, scheduled to start on September 1, Mr Mackay said. For the Radio Network Southland general manager Lee Piper, the move sees his relationship with the station coming full circle.

He started work there, when it was known as 4ZG, nearly 15 years ago as a radio announcer and became manager before buying it in partnership with Mr Mackay in 1994, and setting up Hokonui Gold. He sold his shares and left the station in 1998 and has been in Invercargill as regional manager of the Radio Network for several years. There were no plans to change the content of the programming, Mr Piper said. "I understand the culture and soul of the station." Hokonui Gold was a Southland icon radio station and fitted in nicely with the Radio Network's brand of radio station, he said. Both men saw the move as a positive one, with the Radio Network able to offer more technical and financial resources.

There was already a plan for major capital expenditure, including the installation of new technology, Mr Piper said. Mr Mackay said he was looking forward to the challenge of hosting a national farming show. The rural market had been virtually left untapped by national radio, he said. "For a few years I have thought there was a good opening to replicate the farming show, taking it nationwide." Hokonui Gold's successful daily farming show would remain as is and would not be broadcast on Newstalk ZB in Invercargill, he said.

Steven recalls that in the early months of 4ZG, when DXers had the opportunity to use their temporary tower, once the main one was commissioned.

USA X Band verifiers:

1680	KTFH	Richard B Harris, Corporate Projects Eng; Inspiration Radio Group, 2815 Second Ave, Suite 550, Seattle WA 98121; LM+; 40; DN
1690	KDDZ	[None]; Radio Disney Denver, 12136 W Bayaud Ave, Suite 12, Lakewood CO 80228; L; 26; DN
1700	KVNS	John Munoz, IT Mgr/EngAsst (johnmunoz@clearchannel.com); 901 East Pike Blvd, Westlaco TX 78596; LMB; 35; DN
1700	KVNS	John Munoz, IT Mgr; 901 East Pike Blvd, Westlaco TX 78596; L; 14; BN

TRAIL BLAZERS The Wainakarau Experience

Steven Greenyer and I spent two nights at Tiwai after the lads had been...managed to hear all the good DX then! Steven used his Palstar and I had the AOR 7030+. We spent the best part of a day fixing aerials, two of which ran through gorse, briar, blackberry and other prickly nasties... were rewarded with some very good signals.

530	0619	TURKS & CAICOS R Vision Cristiana, tough going though heard w/SS FA preacher, later MA. Hvy slop from 2 NZers on 531 made this hard going.SOW
570	0517	COLOMBIA Radio difusora Nacional, Bogot., MA up with id between tracks, poor-fair. SOW
580	0827	PERU R Maria, Lima, poor-fair w/id after classical music interlude. SOW
580	0626	USA KMJ Fresno CA id 0629.5 "News talk Coast to Coast on 580 KMJ" into ad break. SOW
590	0828	ARGENTINA R Continental, Buenos Aires, up nicely w/ID and t/c. Held past 0900 and best Argie of the night. SOW
640	0618	USA KFI Los Angeles CA, plenty of idents, "Live and Local on KFI." into an item on Bush and Religion. SOW
680	0622	USA KNBR San Francisco CA booming signal w/promo for the "Pacific Power Boat Expo". SOW
690	0634	MEXICO XETRA Tijuana, another booming signal w/ads for San Diego businesses. SOW
	1012	UNID Id sounded like "Radio Carasol" and tlk was about Venezuelan football teams. Bit of a mystery! SOW
760	0442	CHILE R Cooperativa, Santiago, dominant w/news stories, plenty ids. SOW
770	0831	USA KKOB Albuquerque NM, " 770 KKOB Forecast". SOW
790	0837	ARGENTINA R Mitre, Buenos Aires, MAs w/discussion on football, poor-fair o/RPP. SOW
830	0452	ECUADOR R Huancavilca, Guayaquil, fair signal w/music mix, incl Elton John, Roy Orbison and Andean tunes! SOW
840	0556	USA WHAS Louisville KY, "News Radio 84 WHAS". SOW

850	0840	URUGUAY R Carve, Montevideo, gd signal w/id, pkg o/others. SOW
850	0721	USA KOA Denver CO, good with talk mixed with Latins. SOW
860	0601	MEXICO XEMO "La Poderosa" Tijuana, gd w/ids and lively music. SOW
880	0435	CHILE R. Colo Colo, Santiago, fair signal with "la hora diferente" program, lively morning show, lots of tlk and ads incl one for Coca Cola. SOW
880	0605	USA KRVN Lexington NE, wx for NE, ID then "Truck talk". SOW
930	0510	CHILE R Nuevo Mundo, Santiago, fair signal w/temps in major Chilean cities. 16 deg in Santiago. SOW
930	0947	COLOMBIA La Voz de Colombia, Bogot, up nicely w/id and t/c. SOW
1050	0746	USA KTCT San Mateo CA, plenty of "Sports Radio" ids. SOW
1100	0706	USA KFAX San Francisco CA Religious talk splashed by 1098. SOW
1110	0519	MEXICO XERED Mexico C, gd w/id during political tlk. SOW
1130	0607	USA KWKH Shreveport LA, gd signal w/"Truckin' Bozo Radio Network". SOW
1150	0945	USA KSAL Salina KS, good with lots of ads and ids "KSAL Sports Radio".
1200	0720	USA WOAI San Antonio TX, good with "24 hour News". SOW
1310	0603	MEXICO XENET R Monitor, Mexico C., full id and promo as "Su cadena nacional". Variety of program incl tlk and various music styles. SOW
1330	0648	USA KWKW Pasadena CA, poor-fair mixed KJLL w/"Radio Portuguesa" ids. SOW
1330	0650	USA KJLL Tucson AZ, vgd on peaks w/plenty of ids. SOW
1430	0740	CANADA CHKT Toronto, pres the one here with Tamil tlk and music at poor-fair level. SOW
1460	0759	USA KION Salinas CA, fair with adverts, ID and Nxs on the hour. SOW
1460	0755	HAWAII KHRA Honolulu, dominant briefly w/tlk in KK and what almost sounded like chanting. Suffered hvy QRM from KION. SOW
1480.2	0350	CHILE R La Amistad, TomE, poor-fair though some good peaks, incl one for ids! Mix of music, from SS gospel to Elton John and Pavarotti. SOW
1480	0900	USA KYOS Merced CA, "Newstalk 1480, KYOS" CBS Nxs. SOW
1490	0432	ECUADOR R La Din-mica, Guayaquil, up briefly with Lotto numbers, then station promo and id. SOW
1690	0953	USA KFSG Roseville, back-back SS music incl nursery rhymes and gospel.
1700	0657	USA KTBK Sherman TX, vgd signal with promo for "Richardson Wildflower Festival" twin ids for KTCK 1310 and KTBK at 0700. SOW
1700	0659	USA KVNS Brownsville TX, gd w/promo for Michael Savage Show, then news, followed by ads and back to Art Bell "Coast to Coast AM" at 0707. Slogan "The Valleys place to talk". SOW

Muchas Gracias Paul and Steven (what's the SOW bit ? (Sons of Wainakaru ?)



U.S. X-BAND AT A GLANCE - MAY 2004

COMPILED BY TONY KING, GREYTOWN, NEW ZEALAND

Send corrections or updates to broadcast.dx@radiodx.com

1610	CJWI	Montreal QUE	FF/Creole
1620	WDND	South Bend IN	"ESPN Radio 1620 South Bend"
	KOZN	Bellevue NE	ESPN Sport "The Zone in Omaha"
	WTAW	College Station TX	'Newstalk 16-20 WTAW' Takes 'USA Radio News' & C-to-C AM
	KBLI	Blackfoot ID	EE Talk //1260 KZNI & KZNR 690
	KYIZ	Renton WA	Urban AC/ Black Oldies " //KRIZ " Z Twins"
	KSMH	West Sacramento, CA	Rel. ETWN Catholic. "KSMH West Sacramento"
	WDHP	Frederikstad, US Virgins	BBC WS to after 2200 NZDT. Full ID at :59
1630	KCJJ	Iowa City IA	Talk/Sport
	KKWY	Fox Farm WY	C&W AP nx "The Spirit of Wyoming" " K-W-Y 1630"
	KKGM	Ft Worth/Dallas TX	SS gospel x KNAX but reported silent !
	WRDW	Augusta GA	Talk/Sport 'Newstalk 1630'
1640	WKSH	Sussex WI	Disney
	KDZR	Lake Oswego OR	Disney 'KDZR Radio Disney Portland'
	KDIA	Vallejo CA	Talk/religious/life issues
	WTNI	Biloxi MS	"Talk Radio 1640 WTNI Biloxi" Takes Coast to Coast. ABC nx.
	KFNY	Enid-Oklahoma City OK	All Comedy Radio. P.O. Box 952 Enid OK 73702.
	KBJA	Sandy UT	SS/Radio Unica/Radio Latina .EE ID on hour
1650	WHKT	Portsmouth VA	Disney. "AM1650 WHKT Portsmouth, Radio Disney"
	KBIV	El Paso TX	C & W. "Country Classics KBIV"
	KDNZ	Cedar Falls IA	Talk/ Sport "The Talk Station"//KCNZ Takes 'Coast to Coast'
	KWHN	Fort Smith AR	'Newstalk 1650 KWHN'
	KBJD	Denver CO	Talk. "KNUS-2"
	KFOX	Torrance CA	Korean/ EE ID on hour
1660	KTIQ	Merced CA	Now "Radiovisa" SS talk. EE ID "KTIQ Merced"
	WFNA	Charlotte NC	Sporting News Radio//WFNZ 610
	WWRU	Elizabeth NJ	Talk SS Radio Unica.
	WCNZ	Marco Is FL	'Newsradio 1660' AP nx.
	WQSN	Kalamazoo MI	Sports/talk ESPN
	KRZX	Waco TX	ESPN + local sport //KRZI 1580. Nx on hr/local ads .05 (Z=Zee)
	KQWB	West Fargo ND	Nostalgia "Star 1660 is KQWB AM' CNN news
	KXOL	Brigham City UT	"Oldies Radio" (60's rock)
	KXTR	Kansas City KS	'Classical 1660'
	WGIT	Canovanas Puerto Rico	SS oldies "El Gigante"
1670	WMWR	Warner Robins/Macon GA	News/Talk x WRNC "Talk Radio WMWR 1670"
	WTDY	Madison WI	Sports/Talk. "Talk Radio 1670" (Sporting News Network)
	KHPY	Moreno Valley, CA	Radio Catolica SS EE on the hour.
	KNRO	Redding CA	"Redding's ESPN Radio 1670 KNRO"
1680	WTTM	Princeton NJ	Ethnic – Asian "EBC Radio"
	WLAA	Winter Garden FL	SS
	WDSS	Ada MI	Disney 'AM1680 WDSS'
	KAVT	Fresno CA	Disney/SS
	KTFH	Seattle WA	Ethnic./SS Rel/"The Bridge, AM 16-80 KTFH Seattle."
	KRJO	Monroe LA	Urban Gospel. "Rejoice 1680" x KYEA
1690	KDDZ	Arvada CO	Disney
	KFSG	Roseville CA	SS rel. and Asian. EE ID on hr "KFSG Sacramento"
	WRLL	Berwyn/Chicago IL	"Real Oldies 1690"
	WSWK	Adel, GA	Atlanta Country.
	WPTX	Lexington Park MD	"Newstalk 1690 WPTX" CNN headline News
1700	WJCC	Miami Springs FL	SS/Rel/"Radio Luz"
	WEUV	Huntsville AL	Black Gospel.
	KTBK	Sherman TX	Sporting News Radio "Sports Radio 1310 KTCK-The Ticket"
	KBGG	Des Moines IA	'All News 1700 KBGG'. CNN.
	KVNS	Brownsville TX	'Talk. ex KQXX (C to C after midnite US ?).

EASTER TRAIL FROM TIWAI

Compiled by
Stu Forsyth

Following the success of last year's Gathering at Tiwai, Ray Crawford, Stu Forsyth and David Norrie decided on one last hurrah to Tiwai. We gathered on the eve of Good Friday, set up the radios and got listening.

Once again the conditions were such that each night was different. With the solar flux index dropping — no good for shortwave — conditions improved. Highlights of the evenings' listening are listed below. Thursday saw an opening to the East Coast with stations being logged from Virginia, Georgia and Florida. Good Friday was better with a number of Mexicans being heard. Easter Saturday was interesting as conditions were almost auroral. Signals did not stay up for more than a minute or two at a time.

Sunday evening was predominantly a West Coast Yank night with stations on almost every channel, all vying to be on top. Monday evening was a Latin evening as was Tuesday. However conditions changed during the evening and Yanks became more dominant. Wednesday evening belonged to the Colombians with signals dropping away after 08.00

We had our usual share of stations that were hard to identify. There was an American on 1550 repeatedly playing a loop of songs, with spasmodic ids that always seemed to take place during fades. Latins were similarly hard to identify e.g. Radio Ecuador/ Radio Continente 1350 and Radio Monitor 1560 in Mexico City — neither being listed.

Listeners were: David Norrie (Auckland) AOR 7030, Raymond Crawford (Forestdale, QLD) SPR4, Stuart Forsyth (Darfield) AOR 7030, Paul Aronsen (Wallacetown) Yaesu 8800, acting as mine host and in charge!

Freq.	Cntry	Time	Call	Details	Date
162	FRA	19.00	France Inter, Allouis	Fair with football commentary	10/4
580	USA	06.59	KMJ, Fresno, CA	Fair with Coast to Coast at 11.00, id as 'This is 580 KMJ', also mentioned 580.com	8/4
580	PRU	08.15	OAX4M, R.María, Lima	Fair, up briefly	12/4
640	USA	06.47	KFI, Los Angeles, CA	Fair/ mixed with id & talk	8/4
670	COL	07.45	HJPL, RCN Anetna 2, Medellín	Fair good with talk and mx	12/4
680	USA	06.45	KNBR, San Francisco, CA	Good with ESPN sports talk	11/4
711	AUS	19.40	7NT, Launceston	Fair/ good, mixed 4QW	14/4
730	COL	07.13	HJCU, Cadena Melodía, Bogotá	SS vocals mixed with US C & W stn, fair	14/4
747	AUS	19.00	6SE, Esperance, WA	Good thru 7PB with Bread playing 'Guitar Mx'	8/4
747	AUS	01.00	7PB, Hobart, Tas	Fair with PB prgrm	9/4
750	COL	07.30	HJDK, R.Caracol	Fair with big id	12/4
756	AUS	19.50	3RN, Wangaratta	Fair/ good, gone by 20.00	14/4
760	COL	07.05	HJAJ, RCN, Baranquilla	Fair/ poor, up briefly	12/4
760	PRU	05.15	OBZ4X, R.Mar Plus, Lima	Good with mx and talk, lots od ids	14/4
770	COL	07.20	HJJX, RCN	Ids at 07.20 — Radio de Colombia	12/4
780	PRU	05.45	OAX4X, R.Victoria	Fire and brimstone in SS //1250	12/4
783	AUS	19.30	6VA, Albany	Fair with mx, gone by 19.47 // 6SE 747, 6NA 918, 6TZ 756, thru 1YA	14/4
840	COL	07.30	HJKK, HJ Doble K, Neiva	Fair/ poor with vocals and axmnts	14/4
850	COL	06.50	HJKC, Radionet, Bogotá	Poor, mixed KOA — talk, news & comments	12/4
850	USA	07.00	KOA, Denver, CO	Fair/ good with talk & good ids	12/4
880	USA	08.00	KRVN, Lexington, NE	Good with Midnight Trucking Show	11/4
920	MEX	07.40	XERE, R.Salvatierre, Celaya	VG at 7.41 then dropped away. Playing great rancho mx	10/4

920	Unid		Unid. Cuban??	Fair with id in SS as 'the most advanced radio station on the island with the best equipment and technology'	
930	COL	08.00	HJCS, la Voz de Bogotá	Good with mx	12/4
930	USA	06.30	KHJ, Los Angeles, CA	Good with rancharo mx	8/4
940	COL	07.47	HJTL, RCN, Cúcuta	Poor, mixed	14/4
940	USA	08.30	KWRU, Fresno, CA	Good with talk in SS— freq details and ph no.	8/4
980	COL	05.25	HJES/ HJDB RCN Cali/ Medellín	Fair with talk // 707	14/4
1060	MEX	09.35	XEEP, R.Educación, Mexico City	Fair, call and slogan and then vocals	8/4
1070	COL	07.08	HJCG, R.Santa Fé, Bogotá	Fair with talk and mx, bad splash 1071	14/4
1070	USA	07.40	KNX, Hollywood, CA	Fair/ good with traffic news	11/4
1100	USA	09.10	KFAX, San Francisco, CA	Fair with religious talk	11/4
1110	COL	05.20	HJEW, R.Reloj, Cali	Fair/ poor with mx, mixed with 3 others	12/4
1110	USA	07.00	KDIS, Pasadena, CA	Fair/ good with Disney programming	11/4
1110	USA	10.15	KFAB, Omaha, NE	Fair, co-channel with SS spkng stn. Sports talk. Id as 'Newradio 1110'	8/4
1110	MEX	05.25	XERED, R.Red, Mexico City	Fair/ poor with talk	12/4
1120	USA	09.07	KPNW, Eugene, OR	Fair, id after wx	11/4
1130	USA	06.40	KWKH, Shreveport, LA	Good/ fair with sports talk	11/4
1140	USA	06.43	KHTK, Sacramento, CA	Fair, mixed XEMR	11/4
1140	MEX	09.59	XEMR, Monterrey	Good with religious prgrmg — full id at 10.01	9/4
1150	USA	07.25	KXTA, Sacramento, CA	Fair with sports talk	11/4
1160	COL	06.25	Unknown	ID as La Voz de la Exterior de la Colombia, fair	10/4
1170	AUS	09.00	2CH, Sydney, NSW	Good with pops	10/4
1170	USA	05.50	KFAQ, Tulsa, OK	Fair with talk	14/4
1180	USA	06.00	R.Martí, Marathon, FL	Vg in SS	8/4
1190	COL	09.49	HJCV, R.Cordillera, Bogotá	Weak, brief id	14/4
1190	USA	07.08	KEX, Portland, Or	Good, ads, co-channel SS	9/4
1200	USA	08.00	WOAI San Antonio, TX	Good with talk (Coast to Coast)	8/4
1310	USA	07.54	KMKY, Oakland, CA	Fair with Britney Spears no.	11/4
1310	PNR	08.19	R.María, Panamá	Fair/ good with religious prgrmg	14/4
1310	VEN	07.54	YVSM, R.Nacional, Barcelona	Presumed, with religious Easter talk	11/4
1320	USA	08.40	KCTC, Sacramento, CA	Fair with nostalgia mx	11/4
1320	USA	12.05	KXYZ, Houston, TX (tentative)	Poor in SS	11/4
1320	MEX		XEJP Radio Monitor	Fair with talk //XEFAJ 1560	
1332	AUS	09.00	3SH, Swan Hill, Vic	Fair through R.Sport	10/4
1350	MEX	05.01	XECAH, La Popular 13-50, Cacahoatán	Ids— Radio trece cecuenta with bolero mx	12/4
1350	EQA	05.15	HCVP2, Teleradio, Guayaquil	Good with talk of ecological magazine	'
1370	COL	05.15	HJKX, R.Mundial	Fair with religious talk and an ad.	14/4
1380	COL	05.50	HJEE, RCN, Tunja	Fair/ poor	14/4
1410	COL	08.13	HJDU, Emisora Cultural de Antioquia, Medellín	Poor with a brief id	13/4
1420	COL	06.53	HJHK, R.Reloj, Manizales	Weak with talk and id	14/4
1420	USA	07.45	KKEA, Honolulu, HA	Fair	11/4
1422	GER	19.15	Deutschlandfunk Köln	Fair with pol. talk, mixed 3XY	8/4
1460	COL	06.00	HJJW, Em. Nvo Continente, Bogotá	Fair with id at 06.00	13/4
1460	USA	07.30	KION, Salinas, CA	Fair with Coast to Coast	11/4
1470	PRU	08.00	CPN, Lima	Exc, advertised as IP Radio, pops, hrd all night	10/4
1470	USA	12.35	KUTY, Palmdale, CA	Fair in SS but mixed	11/4
1480	USA	12.15	KVNR, Santa Ana, CA	Fair/ good in Asian language	11/4

1480	USA	11.59	KYOS, Merced, CA	Good with ads and id	11/4
1500	PRU	05.00	R.Santa Rosa, OBX41, Lima	Good id at 05.10. MW & SW frequencies given	13/4
1520	COL	05.00	HJLI Ecos del Palmar, Bogotá	(Tentative)Fair with anthem and close down	13/4
1520	USA	08.59	KOMA, Oklahoma City	OK Fair, id as 'The news station, KOMA, Oklahoma'	8/4
1521	AUS	09.00	2QN, Deniliquin, NSW	Good with mx 'Instant Memories with Nat King Cole'	8/4
1540	USA	10.38	KXEL, Waterloo, IA	Good, talking about Iraq, id as '1540 KXEL'	8/4
1540	USA	04.45	WREJ, Richmond, VA	Fair with religious prgrmg & local ads	9/4
1540	BHM	04.30	ZNSI, Bahamas	Like a local at 04.30 — best ever hrd 2 hours before sunset!	14/4
1540	COL	06.40	Unknown RCN	Advertising own prog on automation technology	12/4
1550	USA	05.00	Unidentified	Non stop orchestral/ dance mx with odd announcement 4.46 — 5.47	10/4
1560	USA	11.10	KKAA, Aberdeen, SD	Fair with farm talk	9/4
1560	MEX	06.00	XEFAJ, R.Monitor, Mexico City	Good id at 06.01, then gone soon after	10/4
1566	AUS	19.00	3NE, Wangaratta, Vic	Good and regular with morning prgm	10/4
1570	MEX	06.30	XERF, La Poderosa	Fair with pops	11/4
1580	COL	09.02	HJRM, Caracol, Sincelejo	Fair/ poor with talk	14/4
1580	USA	08.30	KBLA, Sta Monica, CA	Good/ fair mixed with Disney	11/4
1580	USA	06.30	KMIK, Tempe, AZ	Good with Disney programming	11/4
1610	AIA	05.45	Caribbean Beacon	Good with religious talk	9/4
1620	AUS	11.32	1RF, Canberra, ACT	Good with ll prgming	9/4
1620	USA	09.09	WTAW, College Station, TX	Fair/ good with Coast to Coast thru WDHP playing non-stop religious mx. Id at 09.09	8/4
1630	USA	10.15	KCJJ, Iowa City, IA	Good with pops, wx	9/4
1640	USA	06.00	WTNI, Biloxi, MI	Good with talk	8/4
1650	USA	09.00	KBJD, Denver, Co	Fair with talk/ mixed KBIV El Paso TX	13/4
1650	USA	10.32	KDNZ, Cedar Falls, IA	Good, Fox Sports Radio, prgm 'First Light'	8/4
1650	USA	05.05	WHKT, Portsmouth, Va	Vg with Disney prgrmg and local id	9/4
1660	USA	12.00	KTIQ, Merced, CA	Fair/ good with SS prgmg, mixed KXOL	13/4
1660	USA	08.15	KXOL Brigham City UT	Good 08.15, id as 'KXOL Real Oldies', mixing with WWRU at 08.45, vg at 13.00	14/4
1660	USA	11.00	WCNZ, Marco Is, FL	Good at local sunrise with morning prgm. talk of Marco Is	9/4
1660	PTR	08.48	WGIT, El Gigante, Canovanas	(Tentative) Poor with SS talk beneath others	12/4
1670	USA	05.45	KHPY, Moreno Vly, CA	Good at 05.45 with SS religious talk	8/4
1670	USA	10.45	WMWR, Warner Roberts	Good with talk & ids for Macon & Warner Roberts	9/4
1680	USA	11.30	KRJO, Monroe, LA	Good with gospel prgm & commercial break	9/4
1680	USA	10.40	WDSS, Ada, MI	Vg with Disney and many local ids	9/4
1680	USA	07.55	WTTM, Princeton, NJ	Fair but noisy with Hindi singing	10/4
1690	USA	13.00	KSFG, Roseville, CA	Fair with id and SS vocals	14/4
1690	USA	08.04	WRLL, Chicago IL	Very good with 60s mx and ids 'Log on to Real Oldies 1690.com'	8/4
1700	USA	07.00	KVNS Brownsville, TX	Vg all night, id as Newstalk 1700, the Valley Voice of Talk, also carrying Coast to Coast & CBS nx.	8/4
1700	USA	05.50	WEUV, Huntsville, AL	Fair with Black Gospel mx	11/4
1700	USA	11.20	WJCC, Miami Springs, FL	Fair with Spanish songs, non-stop mixed	KVNS9/4

SAMOA BANDSCAN

WITH DAVID RICQUISH

Samoa AM Trail April 28-May 05 2004 Mostly 6-10pm local Samoa time

540	SAM	SBC Radio 1	Apia, usually in Samoan, some EE programs. Music includes contemporary Samoan, some local ads nearly always in Samoan
550	USA	KMVI	Wailuku HI, heard briefly when SBC Radio 1 off
558	FJI	Radio Fiji	Suva, reasonable signal in Fijian when local off
567	NZL	National Radio	Wellington, fair signal with Radio NZ news
570	USA	KQNG	Lihue HI, fair only in mix
580	SMA	KJAL	Pago Pago, generally weak with Samoan religious music, irregular and usually with poor modulation. Seems to close by 11pm local.
	USA	KMJ	Fresno CA, vg with ID's 'Coast to Coast on NewsTalk 5-80 KMJ'
590	USA	KSSK	Honolulu HI, often excellent with hits of the 70's, usually all night
630	CKH	Radio Cook Is	Rarotonga, irregular, usually poor if at all, and in Cook Islands Maori with local music.
640	USA	KFI	Los Angeles CA, powerhouse every night, all night
650	USA	KHNR	Honolulu HI, often vg with talk shows, news
657	NZL	Southern Star	Wellington, fair-good signal with EZL religious music, ads
670	USA	KPUA	Hilo HI fair in jumble with talk
690	USA	KORL	Honolulu HI, many ID's as 'Hawaii's local talk and multi-cultural radio, we are KORL Honolulu 6-90 on the AM dial' and promos to make your own radio show. Often excellent with contemporary jazz music.
702	NZL	Radio Pacific	Auckland, generally fair most nights, with talkback
710	USA	KSPN	Los Angeles, regular with MOR music and 'Radio Disney' ID's
720	USA	KUAI	Eleele HI, usually vg every night, often with Hawaiian or C/W music and ID's as 'KUAI 7-20'
738	OCE	Radio Tahiti	Papeete always fading in soon after dark, sometimes better later with FF programs from Paris
747	SAM	SBC Radio 2	Apia, heard weekday mornings 9-11am local time with school lessons in Samoan and Tokelauan (for Tokelau Islands 400km north), sometimes in EE.
760	USA	KGU	Honolulu HI generally vg signal nightly, with Christian talk
780	MEX	XESS Radio Tropicana	Tijuana with ID's in SS, many mentions of LA and San Diego, great signal
783	NZL	Access Radio	Wellington, with Sunday night Latin music program, good
790	USA	KKON	Kealakekua HI, often good, with 'KHLO 8-50' ID's
810	FJI	Radio Fiji	Labasa, sometimes heard with Hindi network
819	NZL	National Radio	Tauranga, usually best of RNZ network stations
830	USA	KHVH	Honolulu HI frequently good with news

846	KIR	Radio Kiribati	Tarawa, local dialect talk, religious music, generally vg, nightly
850	USA	KOA	Denver CO, with local ID's dominating, no sign of KHLO
860	USA	KTRB	Modesto CA, usually good
870	USA	KAIM	Honolulu HI, sometimes in the mix with religious music, ID as 'and 8-70 KAIM' fair only
900	USA	KNUI	Kahului HI often good with Hawaiian music, regular
930	USA	KHJ	Los Angeles CA, excellent with SS ballads, fairly slow paced
940	USA	KHCM	Waipahu HI, sometimes vg, but usually lost in mess, ID's as 'AM 9-40 The New KHCM — Your Country Music Connection'
990	USA	KHBZ	Honolulu HI, ID's as 'AM 9-90 KHBZ Öyou're with Dr Laura' network show
1008	NZL	NewsTalk ZB	Tauranga (shares same mast as 819) usually the best with talkback
1017	TON	A3Z	Nuku'alofa, Tonga easily the best non-Samoan signal, always there just before sunset, thru to sign-off, faint signals in daytime sometimes
1020	USA	KTNQ	Los Angeles CA with Mexican SS popular music, often good
1035	NZL	NewsTalk ZB	Wellington, fairly good with usual talkback, news etc later in the evening
1040	USA	KLHT	Honolulu HI, fair-good nightly with religious music or talks
1050	USA	KTCT	San Mateo CA, regular, sports
1060	USA	KHBC	Hilo HI, not identifiable in complete jumble on this channel
1070	USA	KNX	Los Angeles CA, seemed weaker than 1995, still strong, but just not the powerhouse it once was. Usual news, freeway sig-alerts and ads
1080	USA	KWAI	Honolulu HI, reasonable signal, talk
1098	MHL	V7AB	Majuro, surprisingly strong every night, best island signal after Tonga. Local music, basketball match commentary. Had to double check, as at first hoped I had NBC Alotau 1107 if it was on air!
1110	USA	KAOI	Kihei HI, <u>not clearly identifiable</u> in mix which was dominated by KFAB
1120	USA	KPNW	Eugene OR, promo for '11-20 KPNW Eugene's instant party', 50F temperature check, web-site address www.kpnw.com 'on NewsRadio 11-20 KPNW'
1130	USA	KWKH	Shreveport LA, strong with 'KWKH Shreveport' ID's
1150	USA	KXTA	Los Angeles CA with usual sports, very good nightly
1152	FJI	Radio Fiji	Rakiraki heard once only, Fijian language music and talks, fair
1190	USA	KEX	Portland OR, usual "Coast to Coast" talk
1200	USA	WOAI	San Antonio TX, good with 'Coast to Coast' talk
1210	USA	KZOO	Honolulu HI, great to hear this little 1kWer again, pumping out JJ pop music, good, sometimes dominating the channel

1224	MHL	AFR	Kwajalein, NPR style programs heard in mix, but nothing identifiable with any certainty despite lots of checking this channel
1270	USA	KNDI	Honolulu HI, one of the strongest Hawaiians every night, 'We bring you the biggest variety in music, KNDI Honolulu, 12-70 AM'. Great to hear them still there!
1330	USA	KLBS	Los Banos CA popped up with ID, program in Portuguese, then SS
1386	NZL	Radio Tarana	Auckland, usually strong with Hindi music, local ads and ID's. No sign of Lata.
1420	USA	KKEA	Honolulu HI, very good nightly with ESPN and other sports talks
1440	J	JOWF	Sapporo, regular every night with JJ talk, some pop music.
1460	USA	KHRA	Honolulu HI, another strong signal, every night in Korean, music, talk
1500	USA	KUMU	Honolulu HI, 'original songs by original artists, KU-MU AM 1500' ID's, though also noticed 'Jive Style' format one morning with hiphop, electronic, trance music etc! Yuk. Usually drifted off to sleep lulled by KUMU and the waves!
1510	USA	KGA	Spokane WA, ads for 'The Trucker' newspaper available at truck stops, streamer radios, local motel accommodations in Spokane and other local ads on '15-10 KGA' always good
1530	USA	KFBK	Sacramento CA, '15-30 KFBK, the people you can trust, the one radio station in Northern California working to bring you the news, NewsTalk 15-30 KFBK' and many more promos and local ID's
1540	USA	KREA	Honolulu HI, often heard with Korean music and talk, nightly
1557	NZL	NewsTalk ZB	Hawera, there most nights, surprisingly good and rendering Micronesian Heatwave effectively unloggable despite every attempt to do so and some frustrating snatches of music. Total pain in the proverbial!

These are just a sampler, as I had at least 2-3 North American signals on every channel from 580-1600, including 1230, 1240, 1340, 1400 and 1450. I just didn't take notes of them. The splits had mainly NZ stations. Very few Aussies heard (just a couple of Queenslanders from Rockhampton northwards), the Fijians were conspicuous by absence, and nothing from Vanuatu, Solomons, New Caledonia, PNG or nearly all of Micronesia. No Latins, very few Mexicans, nothing on 1610,1620 or 1630 which is as high as the tuner goes. With longwire and beverages, location used should be good for Alaskans, USA, Central America and Micronesia, Philippines, Japan etc.

Using the GE SuperRadio II with built in antenna on north shore of Upoulu about 20km east of Apia. No local stations on air after midnight and only one on 540 earlier, so basically an open dial. No TVI, no power line noise, no generators, no electrical fences, no electrical

QRM etc. Just the sound of the waves lapping on the shore under the balcony, sunset over the lagoon, a cold Vailima beer in hand and an hour of Hawaiian DX before dinner was served. So peaceful, I barely bothered to log anything, just too relaxed listening to old favorites. Recommended therapy for any DXer!

David Ricquish
Wellington



The MURPHY LOOP AMPLIFIER Update from Tony King

Kevin Murphy reports that key components for his new amp design have arrived from the US and the production of PCBs will begin as soon as time permits. Kevin has heavy work commitments that occasionally take him away from his Hamilton base, but his object is to have those kits or made up units that have been ordered, ready for the summer DX season.

FREQUENCY SHIFTING YOUR MW LOOP to SW !

Recognising that your MW loop is simply a large coil, you can 'tap it' like any other coil.

If you have a 7 turn coil for example on a 1 metre frame, you probably cover the full MW band. If you short out two turns you'll find that it will tune higher (like 800 kHz to 3 MHz or thereabouts); if you short out three you may go as high as 5 Mhz. If you're using a 500pf condensor you can cover up to between 8 and 9Mhz

How do you do it? If you're using covered wire, slice 10mm of the plastic off the turns on the loop you wish to 'tap'. Detach the wire you currently have attached to the solder point for the vanes on your condensor, attach an alligator clip to the now loose end and clip in on one of the tap points. Now tune the loop and see where it peaks. What you've done is shorten the length of the aerial and hence shifted the frequency range higher. The loop continues to have its directional characteristic.

Now for my next trick, I use twelve 35mm diameter metal **mini-slinky coils** from the \$2 shop, solder them together to make a directional aerial; two of them make a good helical for shortwave. (Stretched out flat each coil covers 11.2 metres; recoiled just 30mm; at a practical coiled stretch about 1.5m)



WELCOME TO NEW OR REJOINING MEMBERS: Joining up this month for the electronic edition of the *NZ DX Times* is **JIM REED** of Auckland. Jim was last a club member way back in the 1960s and is planning to acquire a new receiver to renew his interest in the radio bands. Tell us how it performs Jim!

ADCOM DECISIONS At its April meeting the Administration Committee approved a series of proposals from Wellington member **DAVID RICQUISH**. David has proposed a review of the DX League's written Constitution to ensure it still serves the membership. We welcome input from members to this process — please write to National Secretary **EVAN MURRAY** — see back cover for postal and email addresses — for a copy of the current constitution and David's proposals.

David has also suggested that the minuted records of Annual General Meetings and Adcom meetings be made available to interested members. Once again, if you wish to receive these, please contact Evan.

Adcom has also agreed to a proposal from David for a collaboration between NZRDXL and the Australian Radio DX Club (ARDXC) whereby the respective electronic editions of the club magazines be made available to each club's e-subscribers at no additional charge. Members who receive the electronic edition of the DX Times and are interested in signing up for an initial 6 months trial period of receiving the electronic edition of the *Australian DX News* need only notify our Editor **MARK NICHOLLS** by email editor@radiodx.com.

RUDI HILL It is with regret that we note the passing of William Dennis Roodhouse-Hill, aka Rudi Hill, who died in Auckland on Friday 30 April, aged 83. In the years before Radio New Zealand International was relaunched in 1990, Rudi was the sole employee and sent out tapes of programmes to stations throughout the Pacific. His *Pacific Link* was the only news exchange programme that took news about the Pacific Islands to the people of the South Pacific. *On the March*, a band music programme he started during this time continued on RNZI until 1998. The obituary his family placed the paper said it all: "Great friend to many, and respected colleague to the good people at Radio New Zealand International." DX Times sub-editor and host of *'Mailbox* in the 1970's and 80's, **TONY KING** recalls "Rudi was my producer for many years, back when **FRED BARNES** (*Country Calendar*) was Manager of the Shortwave Service. In his time we introduced a Japanese segment into Mailbox with the help of Japanese exchange tutors from the Correspondence school, special mail covers for the 30th anniversary of RNZ SW, and a selection of QSL cards which I overprinted. BBC trained, Rudi had several years with radio in Samoa, more or less setting it on its feet back in the 60's. His forte was band music and he fronted years of band music programmes and had a loyal following in the Pacific Islands through the supply of cassettes to the island stations."



RUDI HILL

HAWAII LOSES DXER Long time DXer and member of many radio clubs **CHUCK BOEHNKE** passed away on 6 May in Keaau Hawaii, following a long battle with cancer. He was 75. We were last in touch with Chuck in 1999-2001 when he kept the international radio listening fraternity informed about expatriate kiwi radio man **ALAN ROYCROFT** during the latter's final years. He also kept us informed of changes in the Hawaiian medium wave scene. A message of sympathy has been sent to Chuck's widow Ginny, on behalf of League members. (via Pat Martin IRCA)

MEMBER NEWS Formerly of Tauranga and now enjoying the Gold Coast sunshine, **DOUG MILLIGAN** writes that in the 12 months since his move to Oz, he has attended two DX meetings in Brisbane and met up with fellow League member **RAY CRAWFORD** and other DXers. He says the meetings on a Saturday every 3 months include a lunchtime barbeque and wives and partners also attend. Doug is able to listen to Radio NZ International, also 2YA and 2ZB on his 52-year-old Ultimate 6 valve receiver with 3 feet diameter MW loop. He has joined the local ARDXC club.

SHORTWAVE REPRIEVE According to Radio Netherlands *Media Network* website, the planned cancellation of shortwave broadcasts by Radio Slovakia International has been postponed indefinitely after the station received support from the Slovakian Parliamentary Media Committee. So, make sure you check out RSI broadcasts in English — at 0700 UTC on 9440 and 15460kHz, or 1830 UTC on 6055 and 5920kHz.



WHAT ARE WE ABOUT? The DX League gets some unusual mail from time to time and Chief Editor **MARK NICHOLLS** has recently received offers of radio programmes, contacts from people seeking jobs as announcers or engineers at our radio station (!) or enrolling in our radio communication courses!! All claim to have visited our website <http://radiodx.com> but we must assure you there's no information to be found there concerning Radio DX or our BRM (Bachelor of Radio Monitoring) degree course.

XERF REVISITED For extensive recollections of this iconic radio station, check out the Internet at www.ominous-valve.com/xerf.html (via Tony King)

CONGRATULATIONS to the UK-based Medium Wave Circle, celebrating the 50th anniversary of its *Medium Wave News* magazine, first published in December 1954! (via NRC IDXD)

marketsquare - members free advertisements

AVAILABLE TO GOOD HOME

I have an extra copy of the radio listening guide for the BBC transmission on 1476 khz for March to October. This is available, free, to any member who writes to me (Evan Murray) at 14 Kia Ora Road, Birkdale, Auckland - Email varrisian@paradise.net.nz

branch.news

Compiled by Chief Editor, Wellington



Auckland

The 25 April meeting was the **Auckland Branch's 50th Anniversary Meeting** with 13 present at the Clubrooms, chaired by Barry Williams.

Yuri Muzyka read out the **Minutes for the April 6th, 1954 Meeting!**

Daniel Bloomfield says he recently met up with Christchurch league member Ross Gibson who gave his regards to the Auckland Branch for their 50th.

Barry Williams gave a talk on the history of the Auckland Branch. In the late 1950s and throughout the '60s the radio schedules of stations were meticulously hand written or typed onto pages stored in a ringbinder folder. It helped the club branch get off to a good start. Brothers Merv & Brian Russell were believed to be the youngest members. Barry demonstrated a Hammerlund-Roberts receiver (a kitset model). There were other kitset and custom designed or custom built receivers that other keen DXers at the time constructed and operated. Barry brought along about eight receivers and Malcolm Holmes brought two (a Yaesu FRG7 and a Eddystone 680E).

A mini auction occurred next, auctioning off various items.

The May meeting will be at the Clubrooms, 3000 Great North Road, New Lynn, just past Whau Creek, on Sunday, May 30th at 2 PM.

The June meeting will tentatively be at the Clubrooms on **Sunday, June 27th** at 2 PM. Meetings are held on the last Sunday of the month except December.

North Otago

Meeting was held at Paul Ormandy's on a very wet North Otago night with 6 members in attendance. Minutes read and confirmed, got through very quickly the rest of the meet and then we listened to a tape of "Spectrum" supplied by Peter Grenfell followed by supper.

Next meeting is at Waianakarua Sunday June 13th at 2pm for a good day of DXing. July meeting will be held at Jim Smyth's 8th July at 7.30pm

Southland

Our April Branch meeting was held once again at Tiwai. Don Collie reported that the Insurance Company is to payout an amount to replace the stolen solar panel, and he has looked into a replacement unit. Discussion took place as to it's possible positioning in the house. This is welcome news, as it means that the batteries will be topped up constantly and thus not having to rely on the generator when we go down there. It was noted with regret, the passing of Dave Officer. Dave joined the branch just a few years ago, and was always helpful in the maintenance of the house and mowing the lawns at Tiwai, and we had many meetings at his home over the years. The May meeting is to held on the 25th of May at Arthur Williams, 26 Center street, Invercargill. Any visitors always welcome. - Contact, Eddie MacAskill, 03 217 8670

Wellington Area

The next social meeting is on Sunday, May 31 at 1.45pm. Cafe/lounge on 4th floor, Te Papa National Museum in Wellington. All welcome. President: Ted Hopgood. T: 04 586 2486. email: eddyhopy@hyper.net.nz Mark your diaries now.

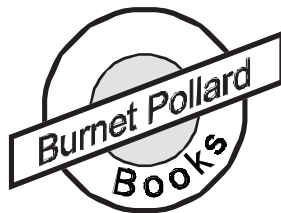
BURNET POLLARD BOOKS: CHANGE OF POSTAL ADDRESS

We have changed our postal address, to make it a little more convenient to where we live.

The only change is the actual box number and suburb.

The new address is:

PO Box 5589
Papanui
Christchurch 8030.



Our phone numbers, fax number and email address are unchanged as follows:
Phone 03 3544997 Fax 03 3544998 email radiobooks@xtra.co.nz

Michael Pollard
Burnet Pollard Books

From NZRDXL member Jerry Berg, 38 Eastern Avenue, Lexington, MA 02421, USA

NEW HISTORY MATERIAL AT <http://www.ontheshortwaves.com>

Under "Articles, Research, etc.," "Full-Text Articles," the second part of a two-part article on Radio Swan that was published in Popular Communications in November and December 1985. Thanks to PopComm <http://www.popular-communications.com/> for permission to post these.

Under "Articles, Research, etc.," "Philately," four new first day covers: Taiwan, 30th Anniversary of Broadcasting, 1927-1957; Austria, 50 Years of Radio Austria (1974); CBC-Radio Canada (1986); and Fiji, Birth of Radio Communications, 1996 (ZJV was the Fiji Broadcasting Corp., Ltd.).

Under "Articles, Research, etc.," "Recordings," Horacio A. Nigro in Uruguay has sent along two historic recordings of radio broadcasts of the "Tupamaros," "Movimiento de Liberación Nacional," a subversive leftist group that flourished in Uruguay in the 1960s and 70s. One is a May 15, 1969 recording of an anti-government manifesto that the group broadcast over R. Sarandí, Montevideo, after gaining access to the transmitter site. The other is a recording of the turmoil going on in the announcing booth at the time. Both are in Spanish. Thanks, HAN.

Otago Daily Times "Radio Review" 28 April 2004 by Clarke Isaacs

Effort of DXers marked

I suspect most radio listeners, like me, would have been unaware of the efforts of the New Zealand DX Club in monitoring enemy radio during World War 2, often bringing comfort to the relatives of captured Kiwi servicemen.

In *Germany Calling*, a Spectrum documentary (National Radio, Anzac Day), Jack Perkins provided generous air time to veteran Mosgiel DXer Jack Fox who, with the late Arthur Cushen of Invercargill, was a key member of the DX's prisoner of war monitoring division.

Mr Fox, a former editor of the Taieri Herald and former Mosgiel correspondent of the Otago Daily Times, said that in 1944, 1100 POW messages were picked up from enemy stations by radio DXers. At the end of the war, the total was about 6000.

His comments, and those of Mr Cushen, were interspersed with fascinating archival material of propaganda broadcasts, delivered from Germany by announcers with impeccable English accents. Featured too were musical numbers of the day, delivering would-be morale-sapping snippets of outrageous misinformation and insults about personalities like the then Mr Churchill.

Mr Fox explained that early in 1941, when he was working in the telegraph office at Dunedin's chief post office, he was approached by two members of the Security Intelligence Bureau, the forerunner of the SIS, and asked to set up a monitoring system, to ascertain what German radio said about New Zealand and New Zealanders.

The bureau would then be able to check whether news was being leaked from New Zealand or whether there was official news, such as from a news agency.

"Germany had a number of powerful transmitters and we could hear them broadcasting to various parts of the world . . ." German radio did mention a terrible lot about the Middle East," Mr Fox said. "They mentioned New Zealanders in the RAF flying over Europe, bombing Germany and saying . . . 'why are we coming thousands of miles to bomb a country like Germany when we should be home?'"

German radio (which in Berlin described itself as Radio Berlin International of the German Democratic Republic)**** began a programme called *Anzac Tattoo*.

Designed for Australia and New Zealand, it was a new format on which prisoner of war lists were broadcast. Given out were the prisoner's number and rank, "RNZAF or whatever, and that he was a prisoner in such and such a camp".

Mr Fox pointed out that the DXers had no recording equipment. [Perkins later noted he had been unable to track down any radio lists of New Zealand POWs "Even recordings that might have been made by our broadcasting service, the NZBS, have not survived," he said.] "I might have heard something in Dunedin . . . Elsewhere another member would pick up the rest of the message. All those messages were sent to Arthur Cushen in Invercargill, who put them together and then sent them out on a special form to the next of kin."

Later on, through a special radio station, prisoners' names were broadcast within days of their capture.

Security monitoring on the radio intensified when Japan came into the war. Mr Cushen, the person in charge of the DX POW monitoring, said that all the Japanese messages from Radio Japan, or Radio Tokyo as it was known then, dealt with civilian internees. One had been on the missing list for two and a-half years.

**** Note: the station did not use the phrase Radio Berlin International until later. BDC

JUNE SHORTWAVE RECEPTION (FORECAST)

WITH MIKE BUTLER

The Shortwave Bands below have given good reception in NZ within the recent Solar Flux Index range of 88-129. An * = good reception only above Index of 94. Please note that '5-11-15*'='5-11,13*-15*'. Choose the Area, then the Time (UTC). Times—Shortwave Bands:

UTC	MHZ	UTC	MHZ	UTC	MHZ	UTC	MHZ	UTC	MHZ
Europe		Africa		Russia		Australia		Cent America	
19	6-9, 11*	19	6-9	19	7-11	19	4-9	19	-
20	6-13,15*	20	9,15	20	9*11	20	6-11	20	-
21	6-11,13*	21	15	21	11-15	21	6-17	21	-
22	7*9*	22	-	22	-	22	7-17	22	-
23	9*	23	-	23	11*13*	23	7-17	23	-
00	9-11,13*	00	-	00	11	00	13-17,21*	00	-
01	9-11,13*	01	-	01	11*	01	13-17,21*	01	-
02	7-11	02	-	02	9-11	02	13-17,21*	02	-
03	7-11,13*	03	11*	03	9	03	13-17	03	9*
04	6-11,13*	04	9*11*	04	9*	04	9-17	04	9*
05	6-9, 11*	05	6,9*11*	05	15-17	05	9-17	05	6,9*
06	7-11,13*	06	7*9*	06	17*	06	9-17	06	6,9*
07	9*	07	-	07	17	07	6-11,13*	07	6-9
08	-	08	-	08	9-15	08	6-9 -13*	08	9
09	13,15*	09	-	09	9-13	09	5-9,11*	09	6-9
10	13	10	-	10	9-13	10	5-9,11*	10	6-7

Middle East		Asia		North Pacific		Nth America		Sth America	
19	6	19	7-9,11*	19	11-13	19	15*	19	-
20	6,7*	20	6-9	20	11-15	20	15,17*	20	-
21	9,11*	21	6-9,15	21	11,15x17	21	15-17	21	-
22	9	22	9-11	22	15x17	22	13-17	22	-
23	-	23	11-15	23	15x17	23	13-17*	23	-
00	-	00	11	00	17	00	15,17*	00	11
01	9*11*	01	11*	01	17	01	13,15*	01	9-11
02	13*	02	15-17	02	15-17	02	9-15	02	-
03	7-13	03	-	03	17,21*	03	9-15	03	-
04	9-11,13*	04	-	04	15,17,21*	04	6-9,15	04	9
05	13*	05	11-15	05	9,15-17	05	5-11,13*	05	9
06	11	06	15*	06	9-15-17	06	6-11,13*	06	6-9
07	-	07	15	07	5-11-15*	07	6-11,13*	07	6-9
08	-	08	9-11,13*	08	5-11-15*	08	6-9	08	6-9
09	-	09	6-11,13*	09	5-13,15*	09	6-9	09	6-9
10	-	10	6-13,15*	10	5-11,13*	10	5-9	10	9

x=not Hawaii

NOTE THE GAPS! CAN YOU FIND S7+ SIGNALS TO FILL?

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, PO Box 3011, Auckland

Patron - Jack Fox jackfox@clear.net.nz

president@radiodx.com - David Norrie

National Secretary - Evan Murray (Tel. 09 483 9543)

varrisian@paradise.net.nz

vice.president@radiodx.com - Bryan Clark

Treasurer - Phil van de Paverd

paverdp@xtra.co.nz

Annual Membership:

Within New Zealand - NZ\$35.00.

Australia/Pacific Islands - A\$45.00

Rest of World- US\$33.00

All overseas members get airmail delivery.

An Electronic (only) magazine is now available in a

PDF Format for US\$10 or AUS\$20 International or

NZ\$20 for local New Zealand members.



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

Club Stationery - Address all orders & enquiries Stationery, 4 Kay Drive, Blockhouse Bay, Auckland.

Club Magazine:

The NZ DX Times, PO Box 3011, Auckland.

Published monthly. Registered publication.

ISSN 0110-3636.

Chief Editor/Publisher - Mark Nicholls

editor@radiodx.com

Printed by ProCopy Ltd. Wellington

© 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 now free subject to available space.

Commercial rates on request.

