

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**

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Annual Membership:

Within New Zealand - NZ\$35.00.

Australia/Pacific Islands - A\$35.00

Asia/North America - US\$30.00

Rest of World - US\$33.00

All overseas members get airmail delivery of the NZ DX Times magazine.



We are now able to accept VISA or Mastercard. (Especially for Overseas members if required) Contact us for more details.

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Commercial rates on request.



New Zealand DX Times

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<http://radiodx.com>



talkback@radiodx.com with David Ricquish, Wellington

Ken Baird, Christchurch begins with comments about DRM Digital Broadcasting: 'Just received a CDROM of the latest DRM tests from my contact at Teracom in Sweden.

The results are excellent with the received signal sounding like a local FM station. Tests included a 650km MW link and 2 x SW links of various lengths. No really difficult paths tested yet but the difference between digital and analog is outstanding. No QRM or noise.

Standard coding so receivers should not be too difficult for the manufacturers apart from the problem of adding more to already full cases. I see Radio Netherlands is broadcasting in DRM to Europe and USA during A01 for further testing. They really need to try paths through the auroral zones and across the equator to fully test the proposed system. (The NZRDXL could co-ordinate such tests for the Pacific, I'm sure local importers would supply digital receivers to make it possible. How about it Ken?)

On this subject, **XM Satellite Radio** has successfully launched 'Rock' its first satellite, to be followed shortly with 'Roll' and will then begin delivering 100 channels of digital audio direct to receivers in cars, homes and offices across the USA. Formats include many music channels, news, sports, talk, comedy and childrens programs. Some will be brand name channels (like Disney, CNN etc) others will be created by XM Radio. (Pacific Island Report). Digital radio is here.

Mark Nicholls, Wellington alerts us to the NASWA Countries List, which can be found at www.anarc.org/naswa/list and downloaded as a pdf file. There's some suggestion it's fairer for new DXers than the SPARC list. Whichever list we choose to use, I believe we should bring back the points system as the basis for BOM competitions and other records in the NZDXT.

Tony King, Greytown takes us back in time with a list of Principal SW Stations from 1928 from Eddystone. In those days, many Australian stations were also heard on SW, including 6AG Perth 9118, 2BL Sydney 9231, 3LO Melbourne 9375 and 2FC Sydney 10526.

Here's a simple quiz - where were the following stations located: 2XBA, 3XL, 2XE, 2XAL, 2XAG and 2XG? New Zealand right? Wrong. How about Newark NJ, Bound Brook NJ, New York NY, New York NY, New York NY and Rocky Point (Long Island) NY!

Article this issue:

Building an Antenna on the Cheap by Arthur de Maine pg 33/34

Contribution deadline for next issue is Wed 2nd May 2001 - PO Box 3011, Auckland

Tony asks if any other NZRDXL members are also in the Eddystone Users Group, a UK based outfit which issues an interesting newsletter with items like the SW list mentioned above. The newsletter costs NZ\$90 annually.

On the subject of **callsigns, 2YC is now in Sydney also**. Those Aussies are now using our 2YC callsign for the 1611 MW narrowcast service in Sydney which began on February 3. They've just installed a new antenna at St.Mary's in western Sydney to boost coverage, and provide info about registered clubs (such as League and RSL) and their activities, with a music format of hits and memories plus country music. (AMT Newsletter)

The Kiwi **2YC** meanwhile on 657 MW may no longer carry Southern Star. The two year deal which sees the Christian network on the Parliamentary channels is up for renewal, and RNZ is under no obligation to continue the deal. Better log 657, 882, 900, 909 and 963 soon to be on the safe side. (Radio Rhema Frequency Newsletter)

United Christian Broadcasters (umbrella group for Radio Rhema worldwide) held their 2001 International Conference in Auckland last month. 170+ delegates from Australia, UK, USA, Canada, Estonia, Denmark, South Africa and other places were challenged to use rapid technological changes to create their own radio success stories on a local basis. (MedianStrip)

Ernie Hakanson, Auckland is a new member, and librarian for the **New Zealand Vintage Radio Society**. The NZVRS is a non-profit organisation devoted to the preservation of early radio equipment and associated historical information.

They issue an excellent magazine with articles about equipment, stations and other items of interest. A large number of their articles (including some by Alan Roycroft) have been made available for the Pacific Radio Heritage Collection and will begin appearing there shortly. Some will also be published in the NZDXT.

Their website is www.nzvrs.pl.net and email address is office@nzvrs.pl.net and I encourage interested members to find out more and support their activities. You can write to: David Crozier, Treasurer, 154 Grey Street, Onehunga, Auckland. I'll be publicising their activities in this column, and the NZVRS will also publicise the NZRDXL and our activities in their quarterly 'NZVRS Bulletin' and other activities.

Australian news this month includes latest Aussie ratings for commercial radio with almost 20 hours a week being spent listening to the radio, up over 1 hour on the same period in 2000. The megamillion new Sydney FM station will be hoping to gain some of this listening time, with Radio Nova 96.9 going to air on April 1.

Meanwhile, Southern Cross Broadcasters have picked up another Sydney station (2UE) plus Brisbane's 4BC, and Skyrock satellite network to add to their nationwide Talk/News network. They also own 3AW, 6PR on the same network, plus Magic 693 in Melbourne amongst other radio and TV interests. Individual stations in Australia are rapidly becoming an endangered species. (AMT at www.amt.org.au)

Apologies for a short column last month. We have had family medical crises in Christchurch and Monte Carlo which involved much travel at short notice. In passing, I can confirm that the Radio Monte Carlo xmitters on 702 carry the RAI Due network // 846 Rome; and 1467 carry RFI Radio Bleue network // 1557 Nice during the daytime.

A brief daytime bandscan from Monte Carlo reveals few signals, with the most distant being RAI Milano 900, Roma 846, RNE1 Barcelona 738, Alger1 891//981 and various French and Italian chains as well as Tunis 630. The R.Bleue outlet at Bastia, Corsica on 1494 was excellent, as was RAI Due in San Remo in 1188. At nighttime, the band is packed with hun-

dreds of signals, including BBC Orfordness 648, Hrvatski 1 Zadar 1134 and many Eastern European and Arabic signals. Be great to hear any of these here in the Pacific! The definitive Monte Carlo bandscan must await another time I'm afraid.

Radio Free Asia Interval Signal Competition is currently underway. If you or someone you know compose music, RFA wants to hear from you by June 30. Full details at www.rfa.org/music or write: Alice Egyed, Director of Music, Radio Free Asia, 2025 M Street, #300, Washington DC 20036, email egyed@rfa.org. RFA wants distinctive Asian music, instrumental only, to be used for its new IS on broadcasts to Burma, Cambodia, China, Laos, Vietnam, North Korea and Tibet. (Via Global Radio DX Club, Punjab, India).

Win \$50 Dick Smith Gift Voucher, but hurry, the Santa Special ends on April 30. Remember, nominate someone to join the NZRDXL and gift them the first year membership for just \$29.95. They get a welcome pack including a free Logbook, a \$4 stamp booklet, DXing Made Easy and can then enjoy their membership for a full year. Each member who gives a gift membership has their own renewal reduced to \$29.95 and goes in the draw for the \$50 Gift Voucher. It's a winner for you, the new member and the NZRDXL and costs you just \$29.95. Give a gift membership before April 30. Simply send their name and address and \$29.95 to NZRDXL, PO Box 3011, Auckland.



bandwatch.under9 @radiodx.com with Ken Baird
Christchurch

Please note that all frequencies should be in Kilohertz and, time in UTC (= GMT = UT), # indicates reception 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. The country name should also be clearly stated, please don't use abbreviations. Also, would you please add the date of logging to your information.

KHz	UTC	Country, Station, Programme, & Reception Details
2410	1011	PNG, R Enga poor and weak but present. Reduced power?? — PC 14/3
2485	1820	AUSTRALIA, ABC Katherine, fair in EE with interview then music, ID as ABC Local Radio — KVB 31/3
3210	0905	USA, WWCR fair in EE with usual relig message — KVB 31/3
3245	0759	BRAZIL R Clube Varginha???excellent in Portuguese with R Musica IDs — PC 14/3
3280	1400	CHINA, V of Puijiang Shanghai fair with ID and talk — RC 15/3
3300	0830	GUATEMALA, Guatemala City fair with hymns and church in Spanish — JSB 29/3
3335	1400	TAIWAN, CBS good with usual Chinese talk — RC 12/3
3365	0655	BRAZIL, R Cultura good in Portuguese, "AM Stereo de Tropical" — PC
	0904	PNG, R Milne Bay fair in EE with news to 0930, followed by public notices, ID 0904 – KVB 27/3
3975	0521	HUNGARY, R Budapest excellent with strong signal – PC 14/3
3985	0530	ITALY, s/on with address then into American relig prgm, carrier and USB only – PC 14/3
4385	1925	AUSTRALIA, ABC Darwin & Territory Radio, Alice Springs with xcellent

signal all night. Nothing on 2310 – BML 25/3

4606.5 0952 INDONESIA, presumed RRI Serui but relaying news from RRI Jayapura – DN 27/3

4770 0558 NIGERIA, R Kaduna hard copy in EE with single time pip on the hour – PC 14/3

4783 0614 MALI, RTV Malienne Bamako good with Arabic music // 4835 much stronger – PC 14/3

4789.2 0936 INDONESIA, RRI Fak Fak very strong in Indonesian on airlines – DN 27/3

4799.8 1045 GUATEMALA, R Buenas Nuevas fair in Spanish with brilliant IDs at 1130 & 1209 – BML 28/3

4819 0830 HONDURAS, Tiguchigaipa with hymns and church in Spanis

4820 1330 INDIA, AIR Calcutta fair with 10 mins EE news - RC 15/3

4835 1914 AUSTRALIA, ABC Alice Springs fair in EE with phone-in then weather, ID 1919 – KVB 28/3

4845 0630 MAURITANIA, R Mauritane v strong at s/on in Arabic then music, no ID

4860 1828 INDIA, AIR Delhi v fair in Hindi with ethnic music – KVB 31/3

4864.9 1007 BOLIVIA, possible Radio 16 de Marzo with mixture of ballads, pipes and "Oruro" ID, no full ID – DN 27/3

4875 0959 BOLIVIA, R La Cruz Del Sur fair in Spanish with music, thensouding like Bro Stair in Spanish, ID 1025 – KVB 29/3

4876.6 1032 NICARAGUA, latin s/on with R Nicaragua ID – PC 14/3

4890 1005 PNG, Port Moresby with news in EE, good but noisy – JSB 3/3

4895 1300 INDIA, AIR Kurseong good with news and music peaking about 1400 then faded out – JSB 3/3

4910 1530 INDIA, AIR Jaipur fair with EE news, others noted on 4960 – RC 11/3

4913.3 0950 PERU, R Cora in Spanish with ID 1003 – JSB 3/3

4915 0441 PERU, R Cora excellent this early before Brazillians fade in – PC 14/3

4919 0533 ECUADOR, R Quito excellent with IDs – PC 14/3

0845 ECUADOR, R Quito good with great guitar music – JSB 29/3

4950 1030 CHINA, V of Pujiang Shanghai good with ID and talk – RC 15/3

4955 0950 PERU, R Cultural Amauta good in Spanish/Chiqua – JSB 3./3

4975 0950 BRAZIL, R Mundial in Portuguese from Sao Paulo – JSB 3/3

4980 0950 VENEZUELA, Ecos del Torbes good in Spanish – JSB 3/3

4992.6 0949 PERU, R Ancash v good with ads for Republica Peru. Others coming through were 4826.4 Sicuani, 4824.4 Voz De la Selva – DN 27/3

4992.6 0950 PERU, R Ancash good in Spanish – JSB 3/3

5025 0850 CUBA, R Rebelde v good in Spanish with music – JSB 29/3

5070 0845 USA, WWCR very strong in EE with usual prgm – JSB 29/3

5145 1001 CHINA, CRI v fair in Russian with news. Possible ID Ningpo – KVB 27/3

5755 0635 USA, KAIJ fair with relig broadcast in EE // 5775 – KAB 19/3

5825 0740 USA, WEWN good with usual relig talk – RC 18/3

5950 0745 USA, R Taipei Intl via WYFR excellent with Chinese lesson – RC 19/3

5952.4 0958 BOLIVIA, Pio Doce with jingle ID repeated many times, excellent signal

5975 0710 USA, V of Hope good in EE with relig prgm – KAB 4/3

5985 1945 TANZANIA, R Tanzania fair in Swahili, clear IDs. Stronger than // 5050.1 – BML 30/3

6055 0920 JAPAN, R Tampa fair in Japanese with interview then rock music, ID 0930 – KVB 29/3

6060 1200 USA, R Marti good with Spanish vocals // 5980 – RC 11/3

6065 2030 SWEDEN, R Sweden poor in EE with news after IS, ID and prgm summary // 9445 v good – KAB 22/3

6090 0943 ANGUILLA, Caribbean Beacon v fair ib EE with sermon followed by jazz, off at 1001 but // 6150 continues – KVB 31/3

6115 0856 JAPAN, R Tampa v fair in Japanese with EE pops. T/S and ID 0900 – KVB

6135 0838 BRAZIL, R Aparecida fair in Portuguese with music, ads, and spoken prgm, ID 0840, 0854 – KVB 27/3

6135 0900 BRAZIL< R Aparacida strong in Portuguese – IC 12/3

6140 0631 GERMANY, DW fair in EE with comment on global market // 7225 – KAB

6160 0953 ANTIGUA, DW v fair in EE with item on work & leisure, off at 0945 – KVB

6175 0915 BRAZIL, R Cultura v good in Portuguese – IC 19/3

6235 1900 RUSSIA, R Gardarika fair at s/on at this time – IC 7/3

6265 1830 ZAMBIA, ZNBC weak in EE – IC 7/3

6360 0706 HAWAII, AFN good on USB with Sports Network //6458.5 (Puerto Rico)

6973 2000 ISRAEL, Galei Zahal good with news and vocals – RC 22/3

7120 0714 ITALY, IRRS poor in EE with address and e-mail address then into light music, ID 0730 – KAB 4/3

7180 0500 MOLDOVA, VOR with EE ID, slightly better than //7125 – ADB 18/3

7200 2000 BULGARIA, R Bulgaria poor in EE with QRM // 7500 – IC 8/3

7255 0628 NIGERIA, V of Nigeria fair in EE with comment on African news, ID 0629, some QRM – KAB 19/3

0645 NIGERIA, V of Nigeria fair in EE with 15 min Listeners Letters on Saturday

7275 0630 TUNISIA, R Tunis in Arabic with music and talk. Good some days – RC

7325 2030 UK, Wales Radio Intl good in EE – BMI 30/3

7358 0730 ALGERIA?? Natl Radio of Democratic Saharan Arab Republic very good

7500 2015 BULGARIA, R Bulgaria fair in EE – IC 7/3

7510 0640 USA, KTBN fair in EE with usual relig prgm – KAB 19/3

0841 USA, KTBN fair in EE with accounts of healing, music, ID at 0901 – KVB

Thanks to all the contributors for this month. I would like to see a lot more contributions, be they **anything** below 9 MHz. Your input is always welcome. 73's, Ken Baird

CONTRIBUTORS FOR THIS MONTH

ADB – Arthur De Maine, Otaki, Drake R8, Alpha Delta Sloper, 20m wire : **BML** – Bill McLeod, Christchurch, NRD 545, various wires and baluns : **DN** – Dave Norrie, Howick, Auckland, AOR 7030, T2FD, 25m longwire with balun, 12m vertical: **IC** – Ian Cattermole, Blenheim, JRC NRD535, T2FD, Alpha Delta : **JSB** – Jon Standingbear, California, JRC NRD 345, Palstar R30, long wires and dipole : **KAB** - Ken Baird, Christchurch, R5000 & 20m wire, Drake SW2 & Eavesdropper trapped dipole : **KVB** – Kevin Brayshaw, Levin, Collins 51J4, horizontal HF Loop : **PC** – Peter Chambers, Quartz Hill, Drake R8A : **RC** – Ray Crawford, Queensland, Australia, Drake SPR4, Sangean 818, Beverage and dipoles .

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, FAX: +64 3 354 1347, e-mail to ka.baird@xtra.co.nz

Hello from Trentham but by the time you read this I will have been down to the Deep South over the Easter weekend for a spot of quiet listening and avoid the tropical cyclone. A Special Welcome to new contributor Brent Walsh of Hamilton and hello to long time member Graeme Dixon. Now is the start of a new listening season and some stations reported last month may have changed times and frequencies. All times are UTC

KHZ TIME COUNTRY STATION & PGM DETAILS INITIALS

9335	1930	NORTH KOREA	Voice of Korea Good signal in EE but poor audio ID as "This is the Voice of Korea" 11/3 #RP
9370	0800	USA WTJC	Excellent in EE with Music and songs from Grace Baptist Church with Id @0830 10/3 HJS
9475	0400	RUSSIA VORWS	Fair in EE with News & Views 7/3 #RP
9495	0230	SWEDEN R	Sweden fair with pgm in EE till S/off 0300 No sign of relay via Canada on 9560 25/3 BW/CRC
9510	0730	FINLAND YLE	V/good signal in EE 0750 Staring Finnish Id at 0756 3/3 #RP
9595	0924	JAPAN R	Tampa Tentative Good in JJ with Rock music format 0948 Some EE phrases "See you tomorrow" 1000 time signal and off air 13/3 KVB (good catch as is not often reported - Ed)
9605	0248	VATICAN CITY	Vatican Radio Good in EE l/signal then into EE with Id 25/
9630	0315	BRAZIL ZYE954 R	Apracadia Good in PP Music and spoken items // 5035 poor & noisy 2/3 HJS
9665	0345	RUSSIA VORWS	Strong but fluctuating signal in EE with Id 0345 25/3 BW/CRC
9680	2025	SPAIN REE	Excellent in EE with Sports News & Weather 23/3 HJS
9690	0235	SPAIN CRI	Fair in EE with talk // 15485 from China weaker 25/3 RC
	0335		Very strong in EE CRC
9704.2	0415	ETHIOPIA R	Ethiopia Fair in vernacular with Afro Mx and Id faded out by 0500 17/3 BML
9705	0332	MEXICO R	Mexico International Weak with Latin American music and talk it sounded like SS with strong whistle in background 30/3 CC
9760	0530	CHINA RCI	via Xian relay Good in EE with Canada Review Some QRM from 9765 Lots of Id 4/3 #RP
9775	0515	BOTSWANA?	VOA Good in EE with VOA News Now but wiped out by D/Welle signing on 0527 17/3 #RP
9795	0339	CANADA V	of Vietnam Fair in EE with News Id at 0340 30/3 CC
9795	1800	CHINA CRI	Good in RR with spoken pgm after S/on in Chinese Id 1800 12/3 KVB
9870	0735	MONACO TWR	Fair in EE with Gospel pgm 31/3 BW/CRC
9875	2350	LITHUANIA R	Vilnius Opens with 10 minute Interval signal with Lithuanian at 0000 and English at 0030 Closes 0100 Signal improves to fair

			for EE pgm Times are exact 18/3 BML
9885	0330	SWITZERLAND SRI	In Italian with Id and News. 25/3 BW/CRC
9965	0300	ARMEMIA R	Yerevan Strong in SS with clear Id "Yeravan Armenia "in EE 25/3 BW/CRC
11470	1905	GERMANY SWRS	Good in EE with old pops songs and Jingle for Peanut Butter 18/3 #ABD
11600	0630	NORWAY R	Denmark Excellent in Danish via Kivitsoy Norway 30/3 RC
11600	0700	CZECH REPUBLIC R	Prague Fair signing on in EE then News 30/3 RC
11625	2025	VATICAN CITY	Vatican Radio Signing off after EE to Africa 25/3 HJS
11635	0400	NORWAY R	Norway V/good in Norwegian //13800 27/3 HJS
11655	2020	NETHERLANDS R	Nederland Flevo Good in EE to Africa S/off 2025 HJS
11665	2000	JAPAN NHK/R	Japan Fair in Japanese // 11830 & 11850 13/3 #RP
11670	0400	KUWAIT R	Kuwait Good with News in Arabic 26/3 RC
11690	1450	JORDAN R	Jordan Good in EE with oldies music 15/3 RC
11710	0225	ARGENTINA RAE	Fair in EE with music and Id then News 30/3 CC
11740.	2145.	IRAN.	VOIRI. Fair in EE with some QRM. 2/3 IC
11745	0010	CHILE Voz	Christina Weak in SS with talk and vocals 30/3 RC
	0157		Fair in SS with Music and Id 18/3 CC
11745	2100	TAIWAN R	Taipei Int. Strong opening in Amoy to Pacific 17/3 HJS
11764	0448	BRAZIL R	Universo? Tentative Good in Portuguese with religious songs
11765	2030	GERMANY?	D/Welle Wertachal V/good in German with frequent ment ions of D/Welle 26/3 #RP
11820.	2150.	SAUDI ARABIA.	BSKSA. Good with Koran. 2/3 IC
11920	2100	SINGAPORE NHK/R	Japan V/good in EE to Oceania via Kranji
11945	0050	SPAIN REE	V/Good in SS with Id at 0100 2/3 #RP
11955	1958	GABAON RFI	Good in FF with News at 2100 // 11705 a little better HJS
11965	2130	ECUADOR HCJB	Fair in SS to Europe // 15550 better 22/3 HJS
11985	0400	NETHERLAND ANTILLIES	RVI Bonaire relay V/good in EE with Brussels Calling 3/3 #RP
11990	1833	KUWAIT R	Kuwait Fair in EE with weather and news including item on Russell Crowe wining Oscar for best actor Id and anthem 1840 KVB
11995	0905	NTH MARIANAS ISLANDS	VOA Tinan Good in EE with item on spies Id 0906 24/3 KVB (What about their spy planes?- Ed)
12005	1841	TUNISIA RTV	Tunisienne Good in AA with phone in pgm & ethnic music and some light classical music. Id at 1900 "Tunis" then News 26/3 KVB
12015	2059	MONGOLIA R	Ulaanbaatar Fair in JJ with spoken pgm followed by pop music News at 2130 Id at 2100 & 2127 21/3 KVB
12070	0830	ALBANIA TWR	Fair with religious pgm 13/3 RC
12070	0930	RUSSIA R	Nederland relay Good in EE with News and Current Affair JSB
13362	1409	GUAM AFRTS	Fair in USB mode with US pops pgm 133 CC
13570	2150	USA WINB	Poor/Fair in EE with religion Id at 2157 22/3 HJS
13600.	0735.	BULGARIA.	Radio Bulgaria. VG in FF. 7/3 IC
13660	2230	NETHERLAND ANTILLIES	RVI relay good in EE with "Brussels Calling" HJS
13680	2200	CUBA R	Habana Cuba Good opening in SS with full Id 23/3 HJS
13685	0210	FRENCH GUIANA CRI	Fair in SS pgm // 17720 stronger 18/3 & 30/3 CC

13750 1915 INDIA AIR V/good in EE with 1915 1/3 RP
13800 0450 NORWAY R Denmark V/good in Danish // 11635 Excellent audio quality 27/3 HJS
13810 0430 GERMANY. Radio Africa International. VG in FF.// 11775 blocked this Sunday. 25/3 IC
13820 1700 GERMANY Radio Africa International. VG in EE. 25/3 IC
1750 Good in EE //15485 Closes 1857 R Africa International is the new Id for Global Ministries 27/3 BML
15060 1654 TAIWAN? CBS TAIPEI Fair in Chinese with Mx Id address Sked at 1701 followed by anthem then Nx in AA 14/3 CC
15070 1943 HOLLAND R Alfa Lima (pirate) Fair/good in EE with Id and address at 1945 also heard previous week at 0745 Poor/fair in EE with website and phone number 24/3 #ABD
15095 0942 PHILIPPINES FEBC Fair in Indonesian with spoken pgms and contemporary music Id 0942 18/3 KVB
15110 0615 KUWAIT R Kuwait with commentary on Mohammed the prophet 13/3 BW/CRC
15120 1837 INDIA AIR GOS V/fair in EE with item on health vitamins and music therapy Id1845 28/3 KVB
15120 2040 NEW ZEALAND RNZI Good in EE to Pacific 20/3 HJS
15125 0130 INDONESIA RRI Fair with on air phone calls 19/3 RC
2140 V/good with Music Full Id then News "BERITA" in Indonesian Slight QRM 2/3 HJS
15135 0610 FRANCE RFI Strong in FF with commentary 13/3 BW/CRC
15140 0130 ECUADOR HCJB Poor signal in SS 20/3 RC
15160 0130 SPAIN REE Noblejas Good with Spanish songs 19/3 RC
15190 1830 PHILIPPINES R. Pilipinas good in English, announces the news as, "from the Presidential Palace, Dateline" 30 /3 GRD
1846 Good in EE with item on joint claims to Scarborough Shoal Id 1902 KVB
15205 0300 SRI LANKA D/Welle Good with German pgm 19/3 RC
15205 0500 GREECE VOA Kavala relay News in EE 13/3 BW/CRC
15215 0500 SOUTH AFRICA Channel Africa Strong in EE with News 13/3 BW/CRC
15235 0445 OMAN BBCWS Strong in AA with interview and Big Ben Chimes at 0500 and Id 13/3 BW/CRC
15235 0944 GUAM KTWR Agana Good in CC with western and Asian bridge music Id 1000 24/3 KVB
15240 1705 MOROCCO VOA Good in EE with item on the Roosevelt's Id 1705 KVB
15255 0850 CZECH REPUBLIC R PRAGUE Fair with pgm in Spanish 13/3 RC
15270 0400 SAUDI ARABIA BSKSA Strong in AA with Id then into Turkish Koran pgm 13/3 BW/CRC
15275 0030 RWANDA D/Welle Kigali Good with pgm in German 13/3 RC
15275 2000 SRI LANKA? D/Welle Excellent signal in GG with lots of Id 18/3 #RP
15305 0030 SRI LANKA? VOA Relay Iranawilla Fair with Fading in EE 28/2 #RP
15310 0340 OMAN BBCWS Strong in EE with readings from Charles Dickens novels 11/3 CRC
15315 1915 IRAN VOIRIB V/good in Arabic with Id at 2015 13/3 HJS

15330 2300 USA R Marti Good in SS with talk pgm 19/3 RC
15345 1820 MOROCCO RV Marocaine Very strong in AA Clear id 1859 then time signal and news 30/3 BW/CRC
1829 Strong in Arabic with music and Talk 21/3 CC
15400 0330 UNITED ARAB EMIRATES R Dubai Fair in EE with Talk. Id and S/off at 0350 21/3 RC
15415 0300 AUSTRALIA R Australia in English with news of wine exports 11/3 CRC
15425 0310 SRI LANKA SLBC? Poor with music in EE No Id heard 11/3 BW/CRC
15455. 0715. RUSSIA. Radio Maryja, Poland via Samara. Good in PP. 13/3 IC
15485 0350 KUWAIT R Kuwait Good with News program // 15585 21/3 RC
15485 1700 GERMANY R Africa Int. Poor in EE with severe co-channel QRM fm BBC
1720 Good in EE to Africa Id as "Radio Service of the United Methodist Church" via Julich 14/3 HJS
15495 0145 KUWAIT R Kuwait? Strong in Arabic with Koran Id at 0300 and time signal and trumpets 11/3 BW/CRC
2020 Tentative Good in AA // 15505 which suffers from QRM 3/3 HJS
15505 0537 KUWAIT R Kuwait Fair in AA with lively music 19/3 CC
15515 0140 AUSTRALIA R Australia Strong in EE with interviews on economy and housing 11/3 BW/CRC
15565 2230 NETHERLAND ANTILLIES RVI Good in EE to Nth America 2/4 JSB
15600 0630 USA? VOA V/good signal in EE Talk of Bush visiting China 17/3 #RP
15605 1600 USA? VOA Good in EE with Daybreak Africa 1/4 JSB
15620 0845 GERMANY AWR Julich Good in AA with full Id at 0900 then French HJS
15640 0700 GERMANY AWR Julich V/good in Arabic S/on at 0700 with EE Id #RP
15640 2030 ISRAEL Kol Israel Excellent opening in FF after tuning signals 13/3 HJS
15695 0229 RUSSIA? R Free Asia Strong with EE announcement "and next program will be in Tibetan". No jamming BW/CRC
15745 2034 USA WEWN V/good in EE with Catholic religion HJS
17505 0526 SWEDEN R Sweden strong in Swedish with relay of Home Service pgm Brent Walsh speaks Swedish BW/CRC
17510 0350 HAWAII KWHR Excellent signal in EE with vocals and talk 20/3 RC
17550 0700 SLOVAKIA R Slovakia Int VG in EE. 13/3 IC
0712 Strong in EE with mailbox pgm //15640 weaker 19/3 CC
17560 2040 SRI LANKA D/Welle Tincomalee VV/good in PP with News items S/off 2049 3/3 HJS
17570 1717 GERMANY RTBF Belgium relay V/fair in FF with mostly spoken pgm & adverts Id 1800 then I/signal & News 14/3 KVB
17575 2034 USA WEWN Good in EE with "Catholic Duke Box" 13/3 HJS
2255 Good in EE with program details 15/3 RC
2300 Good in EE with EWTN Programme. 7/3 IC
17580 0200 AUSTRALIA R Australia Strong signal mixed with CRNI with Chinese internal service 17/3 HJS
17605 1615 FRANCE RFI Good in EE with African service in EE goes through to 1730 with many Ids and notice of competition for World band receivers AMQ
17630 0720 GABON Africa No 1 Excellent signal in French 13/3 RC

17660 2300 ECUADOR HCJB Good in EE for India 2/4 JSB
 17665 0645 SWITZERLAND SRI In GG with id and accordion music Into Italian at 0700
 13/3 BW/CRC
 17675 0700 NEW ZEALAND RNZI Strong but distorted in EE with National pgm relay
 13/3 BW/CRC
 17680 2300 CHILE Voz Christina Fair in SS with vocals with splash from RNZI 15/3 RC
 17695 0700 SOUTH AFRICA. BBC via Meyerton opens in FF at good level. 17/3 IC
 17715 1825 SPAIN REE Strong in SS with news about Foot and Mouth disease Id
 1831 BW/CRC
 17725 2240 LIBYA Voice of Africa Poor to Fair with Vocals and Talk 19/3 RC
 17735 0830 CHINA CRI V/good signal signing on 24/3 #RP
 17740 0100 PHILIPPINES VOA Fair with News in English 15/3 RC
 17760 1930 USA CBS relay via WYFR Good signal at start but fading out CBS men
 tioned at 2000 12/3 #RP
 17770 0120 GUAM KSDA Good with Mandarin program 16/3 RC
 17770 0800 SPAIN REE Noblejas Excellent signal in Spanish 13/3 RC
 17780 0300 GUAM KSDA Good signal with EE Id at S/on then Mandarin pgm #RP
 17785 1800 MOROCCO VOA Strong with news in EE CRC
 17790 0300 SRI LANKA BBC Tincomalee Good in EE with South Asia Service 21/3 HJS
 (is this a new relay site for the BBC? -Ed)
 17795 2040 ECUADOR HCJB Excellent signal with Quito Ecuador mentioned often
 26/3 #RP (What language was it? - Ed)
 17800 0500 FRANCE RFI Fair in EE with 1/2 hour Pgm in EE 30/3 BML
 17815 1347 TURKEY VOT Strong in EE with Id and music 13/3 CC
 17820 2235 PHILIPPINES VOA Good with EE news pgm 19/3
 17835 2350 GUAM KSDA Fair in EE with Id and S/off at 2353 8/3 HJS
 2400 Good at S/off 20/3 RC
 17845 0500 ISRAEL Kol Israel Strong in EE with news //9435 V/strong but not heard
 on 15640 S/off 0514 after weather 30/3 BW/CRC
 17845 2330 USA WYFR Good in SS with full Id 3/3 HJS
 17895 0345 SRI LANKA VOA strong in Farsi with EE at 0400 30/3 BW/CRC
 17895 1800 MOROCCO VOA relay Strong with News in special EE 30/3 BW/CRC
 18760 0230 CHINA CRI Fair signal pgm Canada Today S/off with Id at 0300 #RP
 18910 1300 NORWAY R Norway Good signing on in Norwegian 16/3 RC
 18960 1350 SWEDEN R Sweden Strong in E with interview on studying Swedish //
 9425 & 17870 the same 13/3 CC
 18980 1000 USA WYFR Poor signal with program of Music 18/3 RC
 21455 0100 ECUADOR HCJB Fair in EE with studio 9 program 20/3 RC
 2015 Good in USB mode with EE religious pgm Id at 2030 23/3 ABD
 21495 0422 SAUDI ARABIA BSKSA Fair in AA with Koran Slight hiss 10/3 CC
 21570 1824 CANADA Radio Canada International weak but clear in English past
 1835 Programme schedule details followed by sports news. Parallel
 17820 usually provides better reception. Can't recall when I last
 heard Canada on 13 metres. 30/3 BDC.
 21600 0800 SAUDI ARABIA Radio Riyadh noted opening nightly in French with Id

after time signals. Reception has varied from very good to in audible
 over the past week due to sunspot activity! Usually the transmitter
 comes on air at least 5 mins earlier, submerging co-channel Deutsche
 Welle in German, and often there is a classical music programme in
 progress. On one occasion I have heard a British English speaker com
 menting on the music and would speculate that this may have been
 a feed from a BSKSA EE service ?30/3-5/4 BDC
 21610 0710 SPAIN REE Madrid strong in Spanish 5/4 to Australia with transmission
 schedule and email address details. Mainly spoken programming over
 next 90 minutes, but transmitter experienced a number of breakdowns
 of up to 30 seconds. BDC
 21620 0600 FRANCE RFI excellent with _ hour pgm in EE. Letters wanted & Address
 given // 17800 Also excellent 30/3 BML
 21630 0419 UNITED ARAB EMIRATES R Abu Dhabi Fair in Arabic with indigenous
 singing 10/3 CC
 21680 0315 AUSTRALIA Christian Voice International Africa Service Fair signal due
 to scratchy noise on signal but improves later. "Power House" Mx pgm
 rom 0600 Closed 0704 29/3 and at 0802 30/3 BML
 f 21725 0215 AUSTRALIA R Australia Strong with Sports Parramatta V Canberra Raid
 ers 25/3 BW/CRC
 21755 0630 JAPAN NHK/R Japan Excellent signal in EE with Asia Roundup Id 0633
 3/3 #RP
 21815 0133 COSTA RICA RFPI Weak in EE in USB mode with spoken pgm in USB
 mode 8/3 CC
 25870 0549 USA WFLA Florida at 0600 Id as "970 WFLA Coast to Coast AM" 8/4 DN

Thanks very much to all this month's contributors. A # mark indicates a report has been
 sent to the station. You are welcome to contact me either via P O Box 3011 Auckland or direct
 to me at 36A Brentwood Street Trentham Upper Hutt or you can use the Email address as
 listed

73's
 Andy McQueen
 Shortwave Exchange

ABD Arthur De Maine Otaki Beach Drake R8 Alpha Delta Sloper and 20m long wire /
AMQ Andy McQueen Trentham Sony 6800 & 40m long wire/ **BML** Bruce McLeod Christchurch
 NRD 545 with wires & baluns everywhere / **BW/CRC** Brent Walsh and Colin Campbell
 Hamilton National DR 31 with whip antenna / **CC** Cliff Couch Paraparumu Sangean ATS
 803A with 60 m horizontal loop / **CRC** Colin Campbell Hamilton National DR 31 and whip
 antenna / **DN** David Norrie Auckland / **GD** Graeme Dixon Auckland Icom IC-R75, 130'
 Longwire / **HJS** Jack Searle Haumoana Hawkes Bay Icom R71 100 m longwire & 19m &
 60m dipoles / **IC** Ian Catermole Blenheim JRC NRF535 T2FD Alpha Delta **KVB** Kelvin Brayshaw
 Levin Collins 5UJ4, and HF loop/ **RP** Robert Park Lower Hutt Kenwood R1000 /

ADVENTIST WORLD RADIO: Here are AWR English transmissions showing transmitter locations. 0830-0900-17780. 2100-2130-15195—Moosbrunn. 0500-0530,1800-1830, 5960. 2030-2100, 9745. 0530-0600, 11970. 0430-0500, 11975. 0500-0530, 6015. 1730-1800, 12130. 1800-1830, 6100—Meyerton. 1530-1600,17660—Moosbrunn. 1730-1800,11965—Guam. 0830-0900, 1230-1300, 9610—Forli. 1530-1600, 7165—Moosbrunn. 0330-0400, 17635. 1530-1600, 17660—Moosbrunn. 1730-1800, 11965. 1300-1330, 15385. 1400-1430, 17720. 1600-1700, 11850. 1300-1330,15385. 1000-1030, 11705. 1330-1400, 11705,11980. 2130-2200, 15240,11980. 1000-1100, 11560—Guam. E-mail Reception reports to english@awr.org

(AWR) Note: I have been e-mailing reports for Meyerton direct to Sentech and receiving posted QSL cards. E-mail to ottok@sentech.co.za (Cattermole)

ALASKA: KNLS schedule from March 25th. 0800, 11765 English. 0900, 11765 Russian. 1000, 11765 Mandarin. 1100, 9615 Russian. 1200, 11765 Mandarin. 1300, 11870 English. 1400, 11870 Mandarin. 1500, 11870 Mandarin. 1600, 11765 Mandarin. 1700, 12105 Russian. (KNLS)

AUSTRALIA: Christian Voice via Darwin for A-01 period. All in English. 17775, 0000-0300. 17820, 0700-0900. 13775, 0900-1400. 13730, 1400-1700. 9720, 1700-2100. 9865, 2100-2400. 21680, 0000-0900. 17825, 1000-1200. 13795, 1200-1700. 11890, 1799-1900. (Hauser via Cumbrel)

BRAZIL: Getting returned reports?? Many radio stations in Brazil no longer use Caixas Postais (P.O.Box).

There have been many instances during the last twelve months of returned unopened reports. Where WRTV and PWBR show both Caixas Postais and physical address always use the street address.

(Rudolf Grinm. Brazil. Via HCDX)

Note. From personal experience I have had about 6 returned over recent times. (Cattermole)

BULGARIA: Here are Radio Bulgaria English transmissions for A01 period. For Europe. 1100-1200, 15700. 17500. 1900-2000, 9400. 11900. 2100-2200, 9400. 11900. For North America. 2300-2400, 0200-0300. 9400, 11700. (Radio Bulgaria)

CANADA: CHNX is back on 6130 using just 50w. This despite their previous statement in February that the station may not return to shortwave, CHNX is back, I am just off the phone with CE Mark Olsen. He tells me CHNX has been back on the air since March 25th. He is happy to report that he received a call from the Canadian Navy Frigate HMCS Charlottetown in the Arabian Sea, the CHNX signal is being heard well aboard ship. The station is back using the same equipment, 50 watts, 1/4 wave Dipole Antenna at 50', 6130 khz. The station will be off the air for a few hours

today, March 28 for adjustments. CHNS is 960 MW (oldies music) and CHFX 101.9 FM (country music). Mark wishes listeners to know that CHNX/CHNS/CHFX is celebrating 75 years service to Nova Scotia, Canada and the world. The station is the first in Nova Scotia Canada! On May 12 the station is having "a big party", Mark will be changing the ID and giving a special station identification that day. This was sent to me today by DXer Joe Talbot of Red Deer, Alberta, Canada. (Barry Williams)

DJIBOUTI: Shortwave come back for Djibouti

Radio Télévision de Djibouti, RTD, is to return to shortwave thanks to a donation of equipment from the UNESCO.

The donation, estimated at 11m US dollars, includes spare parts for the transmitters at the Doraleh center. The center, established in 1983, has had difficulties since 1996.

The RTD management thanked UNESCO for the donation, which will enable Radio Djibouti to optimally resume its broadcasts in shortwave, according to a Radio Djibouti broadcast in French on March 17.

RTD used to transmit on 4780 kHz, with a power of 20 kW.

More info on RTD's background and present situation can be found at the station's web site. BBCM via DXLD and hcdx news desk, March 21, 2001

ECUADOR: HCJB has begun tests to India on 17660, 2300-0100. Reception reports will be appreciated for evaluation of broadcast quality so a decision can be made whether to continue broadcasts. (GRDXC)

FRANCE The recently-introduced additional broadcasts in English from RFI, initially only on satellite, local rebroadcasters and the Internet, are now also on SW. According to the RFI Website, RFI in En is available on SW as follows: 0400 to EaAfrica on 15155 0500 to EaAfrica on 178000600 to EaAfrica on 17800 and 216200700 to Nigeria on 15605-ISS and GAB1200 to Nigeria on 15540-GAB, to EaAfrica on 258201400 to the ME on 17620, to IND on 11610-Xian-CHN relay 1600 to WeAfrica on 11995-GAB, to SoAfrica on 12015-GAB, to CeAfrica on 17850, to NoAfrica on 11615, to EaAfrica on 17605 and 15605. (RNMN via DXLD, Mar 23)

GERMANY: RDW. A01 schedule. To Aust/NZ. GERMAN. 0600-0800. 9690(An) 9735(Ge) 11795(Ge) 11985 (An) 17845(Ge) 21640(Tr) 0800-1000. 9690(An) 9725(Ge) 11795(Ge) 17845 (Ge) 21640(Tr). 1000-1400. 7315(Pe) 9900(Pe) 13720(Ir) 17845(No) 21640(Tr) 21680(Ge) 21790(Ge). 1400-1755. 15275(Ge) 17845(Ge) 1800-2155. 11765(Tr). 2200-0000. 11895(Ge) 13690(No) 15250(Tr). 0000-0200. 17860(Ki) 17845(Tr). 0500-0600. 9735(Ge) ENGLISH. 0900-0945. 6160(An) 12055(Ir) 15470(Ir) 17715(Ko) 17770(Tr) 17820(Tr) 21680(Ge). 1600-1645. 17595(Ge). 2100-2145. 9670(Tr) 9765(Ge) 11915(Tr). 2300-2345. 9815(Ge) 12055(No) 13610(Tr) 21790(Pe) (RDW)

GERMANY: Donna Niemann at UMC advise that their broadcasts have been using the ID of "Radio Africa International" since early March. Their latest schedule with some changes is: French-0400-0559, 11775, 13810. English-1700-1859, 13820, 15485. (Donna Niemann, Radio Africa International)

INDIA: Latest changes for AIR English broadcasts are: 7170 HS Delhi ex 7110, 0030-0040. 7220 HS Delhi ex 7110, 0215-0400. 9895 Panaji ex 9700, 1530-1545. 13695 Bangalore ex 13750, 1745-2030. 17510 Bangalore ex 17485, 1000-1100. (Globe DX)

JAPAN: Radio Japan. English from April 2, 2001. General Service-

Southeast Asia.

01.00-02.00 on 17810
01.00-02.00 on 11860 from Singapore
05.00-06.00 on 17810
06.00-07.00 on 11740 from Singapore
10.00-12.00 on 9695
14.00-16.00 on 7200

Asian Continent

01.00-02.00 on 17845
05.00-07.00 on 15195
10.00-12.00 on 15590
15.00-16.00 on 9750

Far East Russia

05.00-06.00 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
21.00-22.00 on 17860 & 6035 (only) from Singapore

North America

00.00-01.00 on 6145 from Canada (East)
05.00-06.00 on 6110 from Canada (West)
05.00-07.00 on 13630
11.00-12.00 on 6120 from Canada (East)
14.00-15.00 on 9505
17.00-18.00 on 9505

MOZAMBIQUE: Radio Mozambique. This schedule shows the basic weekday programmes. There may be changes at weekends. Only shortwave frequencies that have been confirmed recently are listed. These may not be used for the entire broadcast day. 3210, 9639, 11818 24 hours. 15295 local daytime only.

Address: Rue da Radio No.2, Caixa Postal 2000, Maputo. Mozambique. Web: www.teledata.mz.radiomocambique/index.mtml (BBCMS via Cumbre)

NIGERIA: High Adventure is planning to set up a SW station to be located in Jos and provide regional coverage. In their March newsletter they mention that they have a license

and staff organised and that their aim is to use SW to reach Nigerias Muslim neighbours. Nigeria will become the site for SW instead of Liberia as they can obtain a more effective coverage for the African continent using Jos. (Johnson/Cumbre)

NORTH KOREA: Radio Pyongyang latest English schedule is: 1500-1600. 9335, 11710: 1900-2000. 6575,13760: 0000-0100. 11710,13760,15180: 1200-1300. 9640,9975, 9850,11335, 13650: 0100-0200. 11735,15230: 0200-0300. 11845,13650: 1600-1700. 6525, 9600, 9975. (Radio Pyongyang)

Staying with North Korea I have just read somewhere that Radio Pyongyang is to change ID to Voice Of Korea. I can't recall just where I saw that. (Cattermole)

OMAN: Radio Oman daily broadcasts. 6085, 0200-0400, 2000-2200. 6190, 1800-2000. 7235, 0100-0300. 9515. 0400-0600. 9735, 2000-2300. 9760, 2300-0100. 13640, 0600-1400. 15140, 1500-1800. 15355, 0400-0600, 1800-2000. 15375, 1400-1800. 17630, 0600-1000. All Arabic. And in English on 15140, 1400-1500 and 15355 on 0300-0400. They will QSL each of their transmitter sites. (Cumbre)

SOUTH AFRICA: No changes for UN Radio and African Beacon schedules which remain as: UN Radio.

6125, 1700-1715, French. 21490, 1700-1720, French/Port. 6125, 1725-1745, Port/English. Mon-Fri only.

African Beacon. 6145, 1530-1800. 3230, 1800-2200. 17665, 1800-1900. 1640, 1900-2200. All in English. (Sentech)

SOUTH AFRICA: Sentech is sponsoring some special transmissions for World Amateur Radio Day on Wednesday 18 April; details as follows: India/Pakistan : 1400-1455 UTC on 21725kHz Southern Africa : 1800-1855 UTC on 3215 kHz .Central/North Africa: 1905-1955 UTC on 17590 kHz europe : 2005-2055 UTC on 15475 kHz. North America : 0200-0255 UTC on 19 April on 9585 kHz Reception reports to :Kathy Otto, Terrestrial Planning Sentech (Pty) Ltd Private Bag X06 ,Honeydew 2040 ,South Africa Tel: +27 11 471 4658 Fax: +27 11 471 4758 (GRDXC)

SWEDEN: Radio Sweden English language schedule from March 25th: To Europe/Africa/ME. 1330-1400. 17505. 1730-1800. 6065(ex.Sun.) 1730-1800. 13580(Sun only) 1930-2000. 6065.2130-2200. 6065. To Asia/NZ. 1230-1300.17505. To Australia/SE Asia. 1130-1200. 17505. 1230-1300. 21530. 1330-1400. 17505. 2130-2200. 15255. South Asia. 0130-0200. 13625. North America. 0230-0300. 9495. 0330-0400. 9495. 15245. 1130-1200. 18960. 1230-1300. 18960. 1330-1400. 18960. (Radio Sweden)

THAILAND: Radio Thailand domestic service in English noted March 27 at 1500 on reactivated 4830. Five minute news bulletin ending with the words-"That's the news at ten from Radio Thailand" then straight back into usual late-evening programme of Western classical music. 6070 and 7115 heard still carrying domestic services in Thai. (Davies/Cumbre)

UAE: Beginning March 25th, The World Beacon will test a new transmitter site in the United Arab Emirates. We will be experimenting on a variety of frequencies in the 17MHz

band and seek your feedback on the quality of reception in your area. When you hear the Beacon in the 17MHz band, send your report to reception@worldbeacon.net We will be verifying reports with a limited edition QSL card that will make a great addition to any collection. (Lintujarvi HCDX via Cumbre)

USA: Weiner ready to launch offshore radio.

Allan Weiner, General Manager of American radio station WBCQ, has announced that they will start an offshore radio station on shortwave. "The station will go on the air soon," Weiner said at the Kulpville annual radio meeting. The station is "licensed to Belize" and will, according to Weiner, broadcast from any "friendly nation". The program will consist of relays from WBCQ as well as other stations. The broadcast ship has long been moored in Boston harbour, where it still is. They have financing ready for this already, and the actual deal was struck March 10. Kari Kivekäs, hcdx live from Kulpville, March 10, 2001

shortwave.mailbag@radiodx.com *Laurie Boyer, Invercargill*

As the result of the comments that came in re pirate stations being 100% in favour of a separate Best of Month that is what will happen from next month on. There will of course have to be more than one entry.

I didn't want to have to do this but it is very frustrating to see a very good station beaten by one whose power is about 20 times that which I FEBA 15555, Radio Algiers 15160, WHRA 11565, HRT Croatia Julich 11805, Radio Romania 11790, BBC/Ascension 15400. Another good list Robert.

Paul Ormandy Oamaru Has only one in but it is a great one to have. La Voz de Galapagos 4810.

Jack Searle Haumoana Comes up with special QSL No 44 For Radio Australia on the Olympics on 17580 and 17715, Deutsche Welle/Tricomalee 15390, Radyo Pilipinas 11730. I agree with your letter entirely Jack.

Ray Crawford Brisbane Now able to work a few hours a day is happily making a recovery I'm pleased to hear. Veries in are WSHB 18910, Denmark via Kivitsoy 18910, Denmark via Sveio 18950, Radio Gardarika St Petersburg 6235, KPM556 25950 Relaying KGON-FM.

Ian Cattermole Blenheim Has another long list with RCI Flevo 15360, 17820, Voice of the Med Rome 6010, Radio Alpha Lima International 15070 [EM], Voice of Hope Julich 21590, BBC Meyerton 15400, BBC Ascension 15190, Radio Denmark 21725, BBC Thailand 15280, KFBS 12120 [EM], Overcomer Julich 13800 [EM] Radio Gardarika 6235, Voice of Russia Khabbarovsk 17685 [EM].

Best of Month under 9 mhz La Voz de Galapagos 4810 Paul Ormandy

Best of Month over mhz Radio Algiers 15160 Robert A Park.

English in Time Order . *with Yuri 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, ***SIGNAL STRENGTHS*** e = Excellent; g = Good; f = Fair; p = Poor. thanks. 73 - Yuri ("George") Muzyka, ZL1GYM.

Time (UTC)	Frequencies (kHz)	Station Name	Station Country	Log Date	DXer Name
0030	15305f	VOA	USA	28/2	RP
0030 - 0100	9875f	R Vilnius	LITHUANIA	18/3	BML
0100	17740f	VOA	USA	5/3	RC
0100	21455f	HCJB	ECUADOR	20/3	RC
0133	21815(USB)p	RFPI	COSTA RICA	8/3	CC
0140	15515e	R Australia	AUSTRALIA	11/3	BW/CRC
0215	21725e	R Australia	AUSTRALIA	25/3	BW/CRC
0225	11710f	RAE	ARGENTINA	30/3	CC
0229	15695e	R Free Asia	USA	-	BW/CRC
0230 - 0300	9495f	R Sweden	SWEDEN	25/3	BW/CRC
0230 - 0300	18760f	CRI	CHINA	2/3	RP
0235	9690e, 15485g	CRI	CHINA	25/3	RC
0248	9605g	Vatican Radio	VATICAN CITY	25/3	CC
0300	15415	R Australia	AUSTRALIA	11/3	CRC
0300	17790g	BBC	UK	21/3	HJS
0310	15425p	SLBC?	SRI LANKA?	11/3	BW/CRC
0315 - 0704	21680f	Christian Voice Int	AUSTRALIA?	29/3	BML
0330 - 0350	15400f	R Dubai	UAE	21/3	RC
0335	9690e	CRI	CHINA	-	CRC
0339 - 0340	9795f	V of Vietnam	VIETNAM	30/3	CC
0340	15310e	BBCWS	UK	1/3	CRC
0345	9665e	VORWS	RUSSIA	25/3	BW/CRC
0350	17510e	KWHR	HAWAII	20/3	RC
0400	9475f	VORWS	RUSSIA	7/3	RP
0400	11985g	RVI	BELGIUM	3/3	RP
0400	17895e	VOA	USA	30/3	BW/CRC
0500	7125, 7180	VOR	RUSSIA	18/3	ADB
0500	15205	VOA	USA	13/3	BW/CR
0500	15215e	Channel Africa	SOUTH AFRICA	13/3	BW/CRC
0500	17800f	RFI	FRANCE	30/3	BML
0500 - 0514	9435e, 17845e	Kol Israel	ISRAEL	30/3	BW/CRC
0515 - 0527	9775g	VOA	USA	17/3	RP
0530	9760g	RCI	CANADA	4/3	RP
0549 - 0600	25870	WFLA	USA	8/4	DN
0558	4770	R Kaduna	NIGERIA	14/3	PC
0600	17800e, 21620e	RFI	FRANCE	30/3	BML
0628 - 0629	7255f	V of Nigeria	NIGERIA	19/3	KAB
0630	15600g	VOA	USA	17/3	RP
0630 - 0633	21755e	NHK/R Japan	JAPAN	3/3	RP
0631	6140f, 7225	DW	GERMANY	19/3	KAB
0635	5755f, 5775	KAIJ	USA	19/3	KAB
0640	7510f	KTBN	USA	19/3	KAB
0645	7255f	V of Nigeria	NIGERIA	24/3	BML

0700	11600f	R Prague	CZECH REPUBLIC	30/3	RC	1925	4385e	ABC	AUSTRALIA	25/3	BML
0700	17550g	R Slovakia Int	SLOVAKIA	13/3	IC	1930	9335g	Voice of Korea	NORTH KOREA?	11/3	RP
0700	17675e	RNZI	NEW ZEALAND	13/3	BW/CRC	1930 - 2000	17760g	CBS	TAIWAN	12/3	RP
0706	6360(USB)g, 6458.5	AFN	USA	4/3	KAB	1943 - 1945	15070g	R Alfa Lima	HOLLAND?	24/3	ABD
0710	5975g	V of Hope	USA	4/3	KAB	2000	7200p, 7500	R Bulgaria	BULGARIA	8/3	IC
0712	15640g, 17550e	R Slovakia Int	SLOVAKIA	19/3	CC	2015	7500f	R Bulgaria	BULGARIA	7/3	IC
0714 - 0730	7120p	IRRS	ITALY	4/3	KAB	2015 - 2030	21455g	HCJB	ECUADOR	23/3	ABD
0730 - 0756	9510g	YLE	FINLAND	3/3	RP	2020 - 2025	11655g	R Nederland	NETHERLANDS	25/3	HJS
0735	9870f	TWR	MONACO?	31/3	BW/CRC	2025	9680e	REE	SPAIN	23/3	HJS
0740	5825g	WEWN	USA	18/3	RC	2025	11625	Vatican Radio	VATICAN CITY	25/3	HJS
0800 - 0830	9370e	WTJC	USA	10/3	HJS	2030	6065p, 9445g	R Sweden	SWEDEN	22/3	KAB
0841 - 0901	7510f	KTBN	USA	29/3	KVB	2030	7325g	Wales R Int	UK	30/3	BML
0845	5070e	WWCR	USA	29/3	JSB	2034	17575g	WEWN	USA	13/3	HJS
0904 - 0930	3365f	R Milne Bay	PNG	27/3	KVB	2040	15120g	RNZI	NEW ZEALAND	20/3	HJS
0905	3210f	WWCR	USA	31/3	KVB	2100	11920g	NHK/R Japan	JAPAN	-	?
0905 - 0906	11995g	VOA	USA	24/3	KVB	2145	11740f	VOIRI	IRAN	2/3	IC
0930	12070g	R Nederland	NETHERLANDS	2/4		2150 - 2157	13570f	WINB	USA	22/3	HJS
0943 - 1001	6090f, 6150	Caribbean Beacon	ANGUILLA	31/3	KVB	2230	13660g	RVI	BELGIUM	14/3	HJS
0953	6160f	DW	GERMANY	29/3	KVB	2230	15565g	RVI	BELGIUM	2/4	J
1005	4890g	Port Moresby	PNG	3/3	JSB	2235	17820g	VOA	USA	19/3	?
1330	4820f	AIR	INDIA	15/3	RC	2255	17575g	WEWN	USA	15/3	RC
1347	17815e	VOT	TURKEY	13/3	CC	2300	17575g	WEWN	USA	7/3	IC
1350	9425e, 17870e, 18960e	R Sweden	SWEDEN	13/3	CC	2300	17660g	HCJB	ECUADOR	2/4	JSB
1409	13362(USB)f	AFRTS	USA	13/3?	CC	2350 - 2353	17835f	KSDA	GUAM	8/3	HJS
1450	11690g	R Jordan	JORDAN	15/3	RC						
1530	4910f	AIR	INDIA	11/3	RC						
1600	15605g	VOA	USA	1/4	JS						
1615 - 1730	17605g	RFI	FRANCE	10/4	AMQ						
1700	13820g	Radio Africa Int	?	25/3	IC						
1700	15485p	R Africa Int	?	26/3	?						
1705	15240g	VOA	USA	14/3	KVB						
1720	15485g	R Africa Int	?	14/3	HJS						
1750 - 1857	13820g, 15485	R Africa Int	?	27/3	BML						
1800	17785e	VOA	USA	-	CRC						
1800	17895e	VOA	USA	30/3	BW/CRC						
1820	2485f	ABC	AUSTRALIA	31/3	KVB						
1824 - 1835	17820f, 21570p	RCI	CANADA	30/3	BDC						
1830	6265p	ZNBC	ZAMBIA	7/3	IC						
1830	15190g	R Pilipinas	PHILIPPINES	30/3	GRD						
1833 - 1840	11990f	R Kuwait	KUWAIT	26/3	KVB						
1837 - 1845	15120f	AIR	INDIA	28/3	KVB						
1846 - 1902	15190g	R Pilipinas	PHILIPPINES	28/3	KVB						
1905	11470g	SWRS	ITALY	18/3	ABD						
1914 - 1919	4835f	ABC	AUSTRALIA	28/3	KVB						
1915	13750g	AIR	INDIA	1/3	RP						



tv.fm@radiodx.com with Adam Claydon, Rotorua

A late happy Easter to everyone from here in Rotorua.

Station News

Goodbye Mix FM

TRNís Radio Hauraki took over 94.3FM in Rotorua on the 2nd of April. The Mix closed down after not rating well (and probably other reasons).

Kapiti FM

Entering Paraparaumu from the north, one sees the road sign prompting us to tune in to 88.2. Right now its not Tourist FM you hear but KC-FM, which I assume stands for Kapiti Coast. There are also billboards in the Paraparaumu area promoting The Rock - Kapiti on 99.9. (Bryan Clark)

TCM joins with Cartoon Network

From 1st April TCM moved to Cartoon Networkís channel 23 on Sky Digital TV. TCM broadcasts from 9pm-5am and Cartoon Network from 5am-9pm. MGM starts on channel 6 on 3rd June at 8:30pm. (Adam Claydon)

International radio programming for Bream Bay

WRN1, World Radio Network's English language station for Asia and the Pacific, can now be heard on one of the most beautiful stretches of coastline in New Zealand. Broad-

casting on 100.7 FM, Bream Bay Community Radio serves the local population around the sandy surf beaches of Bream Bay, located on the northernmost tip of New Zealand's North Island. Renowned for its balmy sub-tropical climate and outstanding diving and fishing, Bream Bay was where Captain Cook's ship Endeavour anchored on his first voyage to New Zealand, and earlier still was the landing place for the islands' first settlers from Polynesia. Bream Bay residents can now hear the latest news and views from around the world for twelve hours daily from 19.00 to 07.00 hours. (Press Release, 11 April 2001, Gerry Halliday)

Nelson Station News

G-FM

G-FM broadcasts on 100.6MHz in Nelson. It is an automated studio with continuous music and no announcer. The studio and transmitter are located on the corner of New and Halstead Streets in central Nelson. Transmitter is 300 milliwatts. Owner is Murray Kingi. (Brian Palamountain)

Fresh FM

Fresh FM, Te Reo Irirangi O Te Tirahou, is the Nelson region's community access station. Their focus is local communities making programmes about things important to them without continuous advertising and hype. Fresh FM broadcasts on 99.4FM with studios in Nelson, Motueka, and Takaka. E-mail: nelson@freshfm.tasman.net. Web URL: www.freshfm.tasman.net. Phone: 03 546-9891. (Dawn Taylor, station manager, via The Nelson Mail 23/2/2001 and The Leader 1/3/2001 via Brian Palamountain)

The Planet and The Radio Network

The management of The Planet merged with The Radio Network in Nelson which runs Classic Hits, Newstalk ZB, and Radio Sport. The local operations of the four stations, including news, advertising, and management, fall under the umbrella of The Planet Media Ltd, headed by general manager Butch Bradley. The Planet moved out of its premises to join The Radio Network in Broadcasting House. In the last major audience survey, all three Radio Network stations finished well behind their RadioWorks rivals, which took the top three placings. The Planet finished fourth, with 8.8%, and Classic Hits fifth with 8.2%. (The Nelson Mail February 2001 via Brian Palamountain)

Loggings

Brian Palamountain

Brian's FM loggings for February, using a Song ICF2001 with telescopic aerial:

90.8	90FM, Rahotu
91.0	The Breeze, Auckland (I think this is ZM now - Adam)
92.4	Energy FM, Rahotu
95.4	The Rock, Manawatu

Radio Ratings

It's that time of the year again - survey time. Here's the survey results for the FM stations in the five main centres.

Auckland: 1st-Newstalk ZB 13.5%, 2nd-Mai FM 9.4%, 3rd-More FM 9.3%, 4th-Classic Hits 97FM 9.2%, 5th-91ZM 8.3%, 6th-Easy 98FM 7.4%, 8th-Solid Gold FM 4.8%, 10th-Radio Hauraki 3.7%, 11th-Channel Z 3.6%, 12th-The Rock 90.2FM 3.5%, 13th-Cool Blue 1.3%.

Waikato: 1st-The Edge 14.7%, 2nd-The Rock 93 FM 12.1%, 3rd-Classic Hits ZHFM 11.0%, 4th-Radio Hauraki 7.1%, 6th-Radio Tainui 6.6%, 7th-Solid Gold 93.8FM 6.2%, 8th-Waikato's 92 More FM 6.0%, 9th-Waikato's Y99.3 5.6%, 10th-89.8ZM 5.5%, 12th-Newstalk ZB 3.9%.

Wellington: 1st-91 ZM 20.5%, 2nd-The BREEZE (AM/FM) 12.7%, 4th-MORE FM 9.6%, 5th-Channel Z 7.0%, 7th-Classic Hits 90FM 4.6%, 8th-Atiawa Toa FM 4.3%, 9th-The Rock 96.3FM 4.1%, 12th-97.5 The Edge 3.5%, 13th-Radio Active 89FM 2.5%.

Christchurch: 1st-92 MORE FM 18.2%, 3rd-89.0 The Edge 8.5%, 4th-Classic Hits 98FM 7.3%, 5th-The Rock 93.7 FM 6.4%, 6th-Easy Listening LITE FM 6.4%, 7th-Channel Z 6.0%, 8th-91 ZM 5.2%, 11th - C93FM 3.6%.

Dunedin: 2nd-98 MORE FM 12.6%, 3rd-91.8 The Edge 11.5%, 5th-The Rock 93.4FM 8.6%, 6th-Classic Hits 89FM 8.4%, 8th-4XO 97.4FM 6.6%, 9th-Radio Pacific 96.6FM 4.5%, 10th-Solid Gold 99.2FM 4.3%, 11th-Radio One 91FM 4.2%, 12th-96 ZM 4.2%.

utilities@radiodx.com *with Evan Murray, Auckland*

Fancy a cheap flight?

Iraqi Airways offer you a flight from Baghdad to Basra, a distance of 242 miles for just \$A32.44, or 13 cents Australian per mile.

The airline has been back in the air for about three months, having been grounded after the Gul War. The domestic fleet includes the B 747 which flew to Basra on 10 March, plus a B 727 and a Russian Ilyushin 76.

In spite of the UN declared ban in the North to protect the Kurds, and in the South the Shi'ites, several other airlines make stop overs at Baghdad.

Frequencies allocated to Baghdad in the RDARA MID 1 range are 5603, 8847 and 9925 khz. However due to the limited range flown within RDARA areas it is likely that transmitter power output from ground stations will be minimal, although it may be possible to receive a transmission from aircraft.

Diego Garcia

I have been searching for some time for details on the British Indian Ocean Trust island of Diego Garcia, just South of the Maldives Islands which are South of India.

Diego Garcia is shown in communications references as being the base for US military forces in their operations against Iran and Iraq. It is a small island with a 44 sq km land base. Its resources are coconuts and fish.

Prior to the construction of a military base its 3000 natives were evacuated to Mauritius to allow for the housing of 1700 US and British personnel with 1500 civilian constructors. To entertain those 3000 odd people there are 1 AM and 2 FM stations with 1 TV station. Frequencies are unknown.

As far as is known the island is to be handed back to the civilian population this year and it is hardly likely that the listed frequency will be heard again. See also 13306 for a Reach

aircraft heading for Diego Garcia, hereunder..

Worldwide Utility News

This web site <http://www.wunclub.com> contains a lot of interesting reading. A new edition is published each month. Try also this site which contains over 2000 listings-
<http://www.wunclub.com/archive/files/findex.html>

Swanwick Oceanic Area Control Centre. The new Air Traffic Control Centre at Swanwick is planned to start operations on 27 January 2002, taking the place of the previous Centre at Shannon, Ireland. This was named Shanwick, a combination of Shannon and Prestwick. Control was (and is expected to be) effected from Scottish Oceanic at Prestwick and com

municated to aircraft by radio operators at Ballygireen, near Shannon airport. Swanwick is West South West of Southampton.

Welcome back to Peter Chambers, Napier who has provided a host of medium wave utilities.

Peter has been DXing with Neville McKenty at Stratford Plateau, Quartz Hill and Te Araroa as well as at home. Both report favourably on Quartz Hill with Peter saying the site is Utility DXing heaven.

On with the motley.

311 1100 Aussie NDB "Edinburgh Terminal Information Zulu". Info loop tape. Fair copy. PC

347 1110 Aussie NDB "Richmond Terminal Information Zulu". Info loop tape. Fair Copy. PC

350 1115 Aussie NDB "East Sale Terminal Information Zulu" Fair copy. PC

359 1130 Aussie NDB "Amberley Terminal Information Zulu". "Broadcast intentions 118.3, Climb above 4500 feet contact Brisbane Centre 121.2 or 126.5 for clearance" Good copy. PC

365 0920 Aussie NDB "Williamtown Terminal Information Zulu", "QNH 1916 hecta pascals, temperature 19. Cloud overcast 9600 feet. Visibility 10 km. Williamtown control and respective areas are deactivated. NBZ procedures apply on frequency 118.3" Excellent copy. PC

428 0910 Aussie NDB "Sydney Terminal Information Xray, runway 16 west arrival and departure. Terminal operations in progress. Independent departure and approach. Expect independent visual approach. Wind 180o 10-15 knots. QNH 1005 Temperature 26. Cavalcade, on first contact with Sydney notify receipt of Xray. Good copy. PC

1893 0807 Local NZ fishing trawlers. Casual chatting. PC

2008 0956 Fishing boats Aussie? "Boys have brought some ice cream up". PC

2131 0026 Dunedin based trawlers "Five tonne of southern blue whiting", moaning about crew Emails cloggingup company comuter. PC

2182 1019 Kaspac Juarez to Sea Dancer. PC

2182 1103 VIS Sydney Radio "Pan Pan" storm warnings, traffic list QSY 2201. PC

2201 1020 Yacht Labata reporting to Melbourne Radio. PC

2252 0632 Local NZ trawlers "Towed from 44.0- to 44.30" mostly hoki. PC

2284 0731 Local NZ trawlers, rugged language. PC

2345 0903 NZ trawlers "few whites, few silvers", "can't get onto the f...cod" "f.. radar crapped out". PC

2348 0718 Central North Island possum trappers DOC? quite regular activity around this time. PC

2358 0708 Caught a goat by hand when we arrived - won't say what we did with it. NM

2480 0938 NZ Longliners, chat channel, often used. PC

2598 0824 VON St Johns Newfoundland. Weather broadcast and other information 0824-0845. At least 3 other unid Canadian marine stations heard on here 0830-0915. Real hard signals, much weaker than Halifax 2749. PC

2598 0945 Canadian CG or Dept of Fisheries. East coast positions of set nets and other fishing info. Several stations looking into this further. Very poor copy. NM

2611 0847 NZ fishing boats, trawlers, casual chat. PC

2670 0919 "US Coastguard Honolulu, Hawaii out" heard at end marine info broadcast. PC

2971 0607 Shanwick/ Unid 188 at 50N 15 W call Shannon 134.2. Very weak. NM

3000 1018 2 big trawler operators chatting "this trip 45 days" "we only hold 600 tonne" "our trip 54 days" "can fill up on hoki in 35 days". PC

3023 0745 Opunake Base calling North Arm. PC

3023 0900 VJM McQuarrie Island, superb copy Quartz Hill. PC

3023 0743 North Arm/Opunake Base calling every 5 minutes. NM

3023 0855 VJM Davis Base/VJM McQuarrie Base. Have landing permit. NM

3023 0900 McQuarrie with weather and QSO's with many bases. NM

3162 0800 Fishing boat to land based station. SB5. PB

3195 0536 South Island Aero Company. "Flying up to Milford tomorrow, 5 or 6 POB. PC

3261 0641 IB Base calling IB 72 at Scone Hut back to Christchurch after 10 pm also call to Stewart Island (MRS South Island) NM

3312 0805 ZKG 2005 in chat with 4 or 5 others. PC

3324 0542 37G Navy Auckland working other station. "rephased and tested" PC

3336 0635 "ZMM Blenheim Base. 2 guys comparing rainfalls in Picton, Blenheim etc. "Call from the trail stream " PC

4030 0918 Aussie Mobile Homes? VZ 598 to other station. Stayed at Moree, lots of flooding. PC

4125 0849 Spirit of Alaska/Spirit of Discovery in conversation about radar. NM/PC

4125 0930 KCI 95 Kobar? Alaska. Daily broadcast this time requesting weather observations. PC

4125 0835 Nuku Alofa Radio request announcement of traffic list etc QSY to 4 unknown working channels. PC

4140 0945 Aussie longline boats, chat channel. PC

4157 0829 Local NZ longline boats, chat channel. PC

4378 0714 "This is Verne Radio.... service calling. Location unknown. PC

4493 0615 Stephens Island talking to Heaphy Hutt, also station in Milford area.

4493 0554 Perry Saddle Station to other operator "Checking tickets on Heaphy track" "bring us some matches". PC

4520 0554 US yachts chatting. PC

4619 0716 South Island tramping guides AC 213 to AC 216 comparing steepness and difficulty of various tracks etc. PC

4620 0843 Aussie longline boats, chat channel. PC

4666 0625 NZ longline boats, commonly used chat channel. PC

4988 0446 Ohakea base to Skyhawks. Calls 5KG, OZN, 9DP, 065o 293 kts, 270o, 315 kts, 285o 500kts. PC

5455 1030 VKS 737 Perth to mobile vehicle WI 55, North East in desert. Both ex copy. PC

5592 0430 Queenstown ATC with light aircraft around Milford. NM/PC

5598 0749 Gander and Santa Maria/Reach X G5, 42N 40W 0747 NM/PC

5598 0536 Gander/Swissair 113, 46N 40W, 48N 40W, SC AMKP Airbus 330 NM/PC

5616 0646 American 46/Gander NM/PC

5616 0646 Gander/FedX 98 57N 50W, at Loach call Gander centre NM/PC

5658	1951	Delhi/Malaysia 20. SC QRDF B 747 NM			have negative contact with Brazzaville (Congo Airlines). JC
5616	0737	FedX 9/Gander QSY 6640. NY Flight Link your company wants you. NM/PC	8903	1930	Manila/Korean 628. BJ
5658	1905	Male/Condor 376. NM/PC	8903	1931	Naha/Singapore 693. BJ
5658	1906	Kabul/KLM 477. NM/PC	8918	1746	Bahrain/Asian Express 4520 and Lotus 1426. Canup at 1825. At Canup call Jeddah. NM
5658	1951	Delhi/Foxtrot 376(Africair South Africa) NM/PC	8927	1821	Jeddah/Saudia 9535. SC EFBC B 747. NM
5658	1951	Delhi/Uzbek 531 to Bangkok. NM/PC	8930	2009	Stockholm/Gemini Air Cargo. BJ
5680	1138	Iroquois 07/Motueka Base. Problem with haze. Haveextracted crew 17.NM/PC	8930	2006	Stockholm/British Midland Delta Whisky. BJ
5680	0048	Missing party safe and well - uplifted and taken to HQ. NM/PC	8983	0905	Marspac/YB 555. Request fuel truck 1002 and crew bus.Staying overnight Guam. NM
5680	0230	Tauranga Base/Greerton Police. Found a footprint. NM/PC	10165	0405	Stockholm/Ariana 4773. (Ariana Afghan Airways). NM
6640	0748	New York/FedX 9. Our company wants us. Company wants to know how many jump seats do you have. We have two, one is Charlie John Scott and the other Kim Kline. Customs thought you had three. NM/PC	10360	0512	American tuna longliners working in Samoa area. Long conversation. PC
6679	1945	Hong Kong Volmet. PO	10947	0437	El Minya/Egyptair flight. JC
8076	0830	PNG/P272. Make a dentist appointment. I have broken a tooth. NM/PC	11175	0605	Mainsail/Totem 60. This is Puerto Rico radio. PP to Elmendorf. CDN 317 532 3000. This is Arctic lawyer. We require radar A air deflector and fuel indicator. We have one passenger no cargo. NM
8764	2241	Vessel 7582/USCG Portsmouth. We require information about your operating frequencies. I am sorry we are not familiar with your equipment. We understand your concern. Standby 2182 and we will try to work out further. NM/PC	11285	1957	Colombo/springbok 287. SC FJCM B 747. NM
8825	0907	Santa Maria/Italia 346. EM	11285	1957	Colombo/Saudi 9621. SC AFGH B 747. NM
8825	0842	Quadral 1821/Santa Maria. EM	11291	0349	Dakar/PAG 171. Estimate Dakar 0504. (Perimeter Aviation Canada). NM
8825	0844	Portugal 140/Santa Maria. EM	11291	0349	Dakar/Lufthansa 502. SC MQCE Airbus. NM
8825	0535	KLM 753/New York. BJ	11291	0350	Dakar/Swissair 148. ETA Dahomey 0556. SC AGHQ MD 11. NM
8855	0830	American 999/Porto Velho. Unable climb due traffic. Remain FL 290. NM	11291	0458	Dakar/Savanair 97. SC ESDQ. (Savanair Angola). NM
8861	0320	Canaries/Speedbird 2247. SC BRAC B747. NM/PC	11291	0459	Dakar/LAN Chile 705. SC KRDH. NM
8861	0320	Canaries/KLM 798. SC BQEJ B747. NM/PC	11300	0425	Khartoum/BGL 0103. JC
8861	1914	Nouadhibou/Canaries advises no contact with a flight. JC	11300	0425	Khartou /Sudanair advises overhead Port Sudan. JC
8861	1915	Nouakchott calls Nouadhibou. No reply. JC	11342	0924	San Francisco/Canadian 3010 PP to company. We're over Tokyo and right hand generator flickered and on climb was full on. We need to know if we can use APU as standby if required. No recent history of problems and you can use APU under instruction 180. We will continue on. NM
8861	1843	Canaries/Ascot 5086. SC AKDH C 130. JC	11342	0714	Reach 7165/Amtrans ops. No landing Seattle due quake. Arranging reroute to Lax. What is your payload. Payload 66749. Will requirehotels 3 crew and 12 pax at Lax. NM
8861	1925	Port Moresby/Eva 361. JC	11395	2049	New York/West Indian 911. We have visual with American flight infront. Request 310 or lower. Are you notifying emergency? No. NM
8861	1925	Dakar/Lufthansa 8272 with position. JC	11396	0850	Manila/Qantas 85. EM
8861	1930	Sal gives flight info to Canaries. JC	11396	0852	Bali/Malaysian 136. EM
8864	1737	ATN 477/Shanwick. ETA 30 W 1818 (Air Transport Intl USA) NM/PC	11396	0855	Ujung/Indonesian 92. Request FL 35. EM
8867	1940	Auckland/Skier 90, 91, 94, 95 departing NZ. 1 aircraft through Pago, rest through Nadi. NM	11396	1850	Brisbane/Qantas 174. Squawk 1163. EM
8867	2024	Kiwi 158/Unid. Advise when leaving Melbourne FIR. BJ	11396	1851	Brisbane/Singapore 466. EM
8867	2033	Kiwi 158/Auckland. Call on your secondary military frequency. BJ	11396	1851	Brisbane/Qantas 79. Request 10 miles right of track.EM
8879	0410	Nairobi and Dar es Salaam with several aircraft. Unable copy due poor English. NM	11396	1855	Vietnam 781/Brisbane. SC BDFQ. When ready descend to FL 290
8879	1844	Seychelles/Retro 11. Estimate 010 N 56.45 E. Request block 350/370. NM	11396	2002	Cathay 107/Brisbane. BJ
8879	1907	Seychelles/Retro 11. Revised estimate 050 N 60 W 1947. NM	13306	1138	Reach 8P5/Perth. At Dugas(Dubag?) contact Diego tower on 126.2. NM
8879	1951	Gander/RFF 8045. Position 75 N 50 W. Have nice flight. (Russian Federation Air Force) NM	13306	1140	Shanwick/Alitalia 64H. Estimate 65 N 10 W. Confirm on route through Iceland airspace. SC JKHL B 767. NM
8888	0210	Russian network C. Volmet Novosibirsk and Kuybyshev at 0215. NM	133420341		Stockholm/Condor 1130. PP to company. SC CMQR B 767. In German. NM
8891	0717	Arctic radio working Air France flight. JC			
8903	0501	Kabo 814 calls N'Djamena (Kabo Air Travels Nigeria). JC			
8903	0505	Kinshasa/ALX 703A. Estimate MPK 0518 destination Lubumbashi 0744. We			

14745 0140 Stockholm/Ariana 800. PP to company in Beijing. Unable to get through on first number 64591100. Do you have any others? No. Return to 13342 and I will call when made contact. NM

15016 0834 Croughton/Reach 102FS. PP to AMT Kadena. Tail no. 90063. ETA 1020. Code A2.. No pax or cargo. Request quick turn around and cargo before going on to Elmendorf . We can wait for reply and will call 30 minutes out for arrangements. NM

Address for contributions is 14 Kia Ora Road, Birkdale, phone (09) 483-9543, email either <mailto:varisian@ihug.co.nz>varisian@ihug.co.nz or

<mailto:utilities@radiodx.com>utilities@radiodx.com or PO Box 3011, Auckland.

Contributors- JC John Charlton, Greymouth, Kenwood 5000 - NM Neville McKenty, Napier and Quartz Hill, Wellington, NRD 545 and Icom R 70 with PC Peter Chambers, at similar locations, Drake R8A - BJ Basil Jamieson, Oamaru, Kenwood 5000 and Drake R8 - PO Paul Ormandy, Oamaru, Drake R8A - EM Evan Murray, Auckland, Kenwood 5000. \

broadcast.dx@radiodx.com with Tony King, Greytown

P.O. Box 29 Greytown

RAY CRAWFORD leads off this month with a report out to Family Radio, Taiwan 1557 heard when 2RE was off after midnight. Thanks Ray.

PAUL ORMANDY has to admit a quiet month again but after the session at Wainak this month watch out !

JOHN DAVIES reports from Brisbane to say that the ABC dropped the use of callsigns for its stations 2BL 702, 3LO 774, 4QR 612, 6WF 720, 936, 891 4AN (sic).

BRYAN CLARK, Auckland but commuting to Melbourne observes that 3AK is still running a test tape on 1503 advising listeners to retune to 1116. A few nights DX at Wainakarua later this month will hopefully net some more exotic DX. He also notes that the Sony ICF7600G is on sale at Melbourne Airport Duty Free for \$AU429 !

BILL WOLLER describes recent conditions as very poor in Taranaki with Aussies dominating the X-Band early most evenings which is unusual for this time of the year. He says " I thought there might have been something doing with the aurora being so visible up here, but the only unusual happening was 4XD romping in S9/R5 well before dark then vanishing completely after dark along with Rhema 1404, until midnight. The stations at the top of the South Island all had very fluttery signals. Hope things pick up with the equinox upon us - but not a promising year here so far !"

BROADCAST TRAIL

640 0800 USA KFI Los Angeles, good signal to S5 T NM
 640 0528 USA KFI Los Angeles CA. Excellent copy all Eve. T PC
 660 0855 USA KTNN Window Rock AZ. ID 0855 with list of all stns
 in the Truckers radio Network. Adv for MillionMile Club. BH

670 0529 USA Chicago ? Sports talk Exc. No ID on hour 0600 0700. T
 680 0527 USA KNBR San Francisco CA. ESPN Radio, sports Exc. T PC
 680 0700 USA KNBR San Francisco ID 0700 ESPN Radio good sig T NM
 684 0800 FIJI In Fijian mxd with 2KP N NM
 710 0800 CAN CBU Vancouver. ID as CBC Radio One CBU Vanc. Fr. T NM
 850 1002 USA KOA Denver CO. ID 1002 Nx and sports. N NM
 870 0523 USA WWL New Orleans, LA. Sports exc signal & dominant b4
 Hawaiian fade in. N PC
 880 1102 USA KRVN Lexington NE. C & W mx. Fr throughout eve. N NM
 890 0825 USA WLS Chicago. ID 0825 & 0838 ID 'Newstalk 89 WLS.' N NM
 1040 0953 USA CKST? Langley BC. I heard as KCT KzeeT or ST. Lt pop. N NM
 1040 0533 USA WHO Des Moines IA, Newsradio WHO dom and exc copy T
 1060 0945 CAN CKMX? Calgary (tent). 3 min peak 'Simon & Garfunkel' T NM
 1070 0916 USA KNX Los Angeles CA, exc with sports results T PC
 1120 0540 USA KPNW Eugene. OR. Clear ID 0540. Wx,nx, talk. T NM
 1130 1000 USA KSDO San Diego CA Sports talk. T NM
 1130 1000 USA KWKH Shreveport LA. (tent) news/talk T NM
 1130 1000 CAN CKWX Vancouver BC. ID as Vancouvers News Station 1130.
 News with Trina Wood. T NM
 1160 0915 USA KSL Salt Lake City UT. Clear ID 0915. Fair/poor T. NM
 1170 0757 USA KVOO Tulsa OK. ID 0757. VG signal T NM
 1200 0535 USA WOAI San Antonio TX, 'Coast to Coast AM' exc copy T PC
 1220 0519 MEX XEB Mexico City, booming signal this early Q PC
 1340 0601 COL HJFP Radio Uno Bogota ID 0601 0604 Gd copy on peaks T NM
 1410 0800 CAN CFUN (tent) nx foot and mouth; Mayor of Quebec. T NM
 1410 1031 CAN CFUN Vancouver, BC exc with 'Broadcast News.' T PC
 1470 0910 PRU CPN Radio, Lima Good copy on Rhombic at this time. T PC
 1470 0537 PRU CPN Radio, Lima exc and dom on North Am groundwire T PC
 1480 0629 USA WODX Marco Is FL briefly w/id & oldies pops, in // WMIB 1660 PO
 1560 0806 USA KNZR Bakersfield. Nx 0801. Talkback 0806 with Mike Segal
 Mixed with 1 SS and 2 playing light pop. T NM
 1570 0514 MEX XERF Ciudad Acuna, gd copy with Frontera ID's. T PC
 1620 0545 USA WTAW College Station. ID 0559. Talkback & Ads. T NM
 1630 0745 USA KCJJ Iowa City IA. Cellphone ads. Friday guest. Gd ID's TK
 1640 0730 USA KDIA Vallejo. Suns 7.30 Noticeboard anns.ID's, phone no. GoodTK
 1640 0800 USA KDIA Vallejo CA. Clear ID 0800. Religious (RC) T
 1650 0810 USA KFOX Torrance CA in KK. Light & Classic mx. T NM
 1650 0800 USA KFOX ID in EE. "1650 AM KFOX Torrance, reaching more of
 Southern California's Korean audience in hi fidelity stereo than any other
 radio station." TK
 1650 0729 USA KCNZ Cedar Rapids IA. Iowa nx and prog promo for
 "Conspiracy Talking" PO
 1660 0659 USA WWRUR Unica. Overridden later by KXOL. Q NM
 1660 0800 USA KXOL Bingham City UT, "KXOL 1660 Playing the mx from the first ten
 years of rock 'n roll.' TK
 1660 0800 USA KQWB West Fargo ND ID "Star 1660." Stds "Theme from a Summer

			place."		TK
1660	0740	USA	WMIB Marco Is FL. Ad Ameridebt. Stds. "Singin in the rain."		TK
	1670	0800	USA KNRO Clear ID 0800 Sports. Q		NM
1670	0730	USA	WRNC Warner Robins GA. C & W "ABC Real Country"		TK
1670	0702	ARG	BBC Latina Buenos Aires, Class. mx, ID's fair-gd copy. On rhombic		
1670	0730	USA	KZAT ??? Mxd with WRNC C & W. T		NM
1674	1028	PHIL	Excellent copy in Filipino. Q		PC
1680	0637	USA	WTIR Winter Garden, FL. Ad for Disney World. ID as Floridas Tourist Information Radio WTIR 1660.		PO
1680	1151	USA	WJNZ Ada, Michigan. Briefly dom over KAVT Disney with rap. Q		PC
1690	0645	USA	KSXX Roseville CA. Fair in SS Q		NM
1690	0700	USA	KSXX Mixed with Disney KDDZ. T		NM

With thanks to NM=Nev McKenty, Hawkes Bay; PC=Peter Chambers, Hawkes Bay; PO=Paul Ormandy, Oamaru; TK=Tony King, Greytown. T= Te Araroa; H=Hawkes Bay Q=Quartz Hill

Christchurch 'Pacific' DX Trail from David Ricquish, Wellington visiting Christchurch Location: North Beach (Christchurch) April 7-14 using small Realistic transistor, built-in aerial. Plenty of other stations heard, including Yanks on 720, 820, 1320, 1470, 1480 and various Aussies on 1620 so I just picked some stations new listeners to MW may like to try for instead. 3CR 855 is scheduled to move to FM soon so worth logging and QSLing now.

558	R.Fiji	Suva	Fijian, island music usually dominating all evening, very strong over 4ZG
666	R.Noumea	Noumea	usual France-Inter relay from Paris, good despite QRM from 3YA, 0945
774	3LO	Melbourne	'774 3LO' IDs, talk and music in clear 1025
810	R.Fiji	Labasa	Hindi talk/mx steady under 4YA 0817
855	3CR	Melbourne	"3CR 855 on the broadcast band" ID then program guide, good in clear, 1800
870	KAIM	Honolulu	usual US rlg programing, vstrong 0840
873	2GB	Sydney	"2GB 873 AM and www.2ue.com worldwide" ID all over 3ZE 1803
891	5AN	Adelaide	"891 ABC Adelaide" ID, SA News 1430, in clear over 2XW
927	R.Fiji	Sigatoka	fair under 2ZA 0934
981	2NM	Muswellbrook	ID heard in mix 1805
1130	CKWX	Vancouver	Canadian news with female, strong 0745
1161	4MB	Maryborough	"4MB" ID, contemporary mx all over Wellington iwi station 0827
1170	2CH	Sydney	News clear over 1ZW 0800
1170	1ZW	Te Kuiti	'Classic Hits Radio Waitomo' ID 0900, then 'Love Songs to Midnight' network program
1206	2GF	Grafton	local nx about stolen mobile phone racket, "2GF weather for the Northern Rivers" and "2GF News and Weather"

1224	3EA	Melbourne	usual ethnic dominant on channel, 0904
1233	2NC	Newcastle	ABC News strong over Wellington 0805
1368	2GN	Goulburn	dual ID "Hits & Memories 13-68 2GN and Snowy Mountain's 2XL' MOR mx 0912
1404	2PK	Parkes	news, ad string and '2PK' ID mixed Invercargill 0830
1420	KCCN	Honolulu	Sports programing steady all night
1422	3XY	Melbourne	Greek mx, vg all night
1458	2PB	Newcastle	ABC NewsRadio w/sports over 3YW 0810
1467	R.Fiji	Rakiraki	Hindi mx usually all over 3MA most nights from early evening
1485	2EA	Newcastle	surprisingly strong, usual ethnic 0834
1539	2RF	Sydney	'Rete Italia' IDs, Italian mx over 2ZE 1035
1548	4QD	Emerald	"This is ABC Local Radio" IDs, EZL mx (Enya etc) all over Rotorua 0945
1566	3NE	Wangaratta	ID "15 double 6 3NE with more of your hits from today and yesterday — 3NE 15 double 6" promos for Jukebox Saturday Night program. Vstrong 0816 (looking for VL2NI during cyclone alert!)

broadcast.news@radiodx.com *with Paul Ormandy, Oamaru*

Australia: 1620 kHz GB Radio has reactivated here in Melbourne, Australia. It is currently relaying 88.0 & 87.6 Hillside Radio. Spoke to station manager Roger Thomas and he informs me that GB Radio programming will return in 2-3 months. They intend to do half day of GB Radio & the rest Hillside radio. Currently the station ID's as "Access Radio.. Hillside Radio" with a heap of community announcements. Has a mixture of oldies & modern pop. Station is currently only running 100w but will be back to 400w within 3 - 4 weeks. Groundwave signal is quite good at my QTH some 40km away.

The station is keen to get reception reports. Address is P.O. Box 2160, Bayswater, Victoria, 3153

PH: 9720 9696. Roger also mentioned that 1693 kHz had recently been bought here in Melbourne by some other group. So expect transmissions soon. Hillside Radio & GB radio have a web site.

<http://www.gbradio.com/wgoaus/hillside/> (Dave Onley via ARDXC Topica)

Also noted 1503 3AK going back to programming after running a loop tape saying they had gone to 1116 kHz. This seems a bit weird. The station continues to ID as being on 1116 kHz. This is a few weeks old but explains why 3AK are back on 1503. Comes from the ABA Web Site. **20 March 2001**

ABA to defer Melbourne community radio hearing. Due to a recent Federal Court judgement, the Australian Broadcasting Authority has decided to defer a public hearing about new community radio licences in Melbourne. The hearing will now be held later in the year. The ABA had planned to allocate three new Melbourne-wide community radio licences (two FM licences and one AM licence on radiofrequency 1503 kHz) plus a 'sub-

metropolitan' licence for the Melbourne City area. Commercial broadcaster 3AK is currently using 1503 kHz. The ABA had planned to move 3AK to 1116 kHz, making 1503 kHz available for a new community radio licence. The ABA's decision to move commercial radio service 3AK to 1116 kHz has now been successfully challenged in the Federal Court by two open narrowcast licensees, one of whom had operated a service on radiofrequency 1116 kHz. The ABA anticipates that court orders in the matter will be handed down on Monday 26 March.

"The ABA had previously decided to conduct a public hearing into the allocation of the Melbourne-wide community licences in early May. On legal advice, the ABA has decided to defer the conduct of a public hearing until later this year," said ABA Chairman Professor David Flint. "It is regrettable that the ABA has had to defer the public hearing, as this will result in some delay in the allocation of the new Melbourne-wide and the Melbourne City community broadcasting licences," said Professor Flint. "However, we will now give priority to allocating the other five new sub-metropolitan community licences planned for Melbourne which have not been affected by this matter, as well as new community licences for Geelong and Colac." Further details of the hearing will be advised by letter to all applicants and by public notice later this year. 20 March 2001. (Dave Onley via ARDXC Topica)

New Zealand: 1539 Radio Sport programming has replaced Classic Hits on this channel from Blenheim. (Paul Ormandy)

USA & Canada:

FORMAT CHANGES:

KNRO 1670 CA Redding was KAZT, new, is ESPN sports
WYLL 1160 CHICAGO, IL REL // WYLL FM RELIGION
KIID 1470 SACRAMENTO, CA KRAK - C&W CHILDRENS — DISNEY
KLAC 570 LOS ANGELES, CA ADLT STNDS TO BE TALK
WZNZ 1460 FL Jacksonville was cont. Xtian//WBGB, now business

CONSTRUCTION PERMIT ACTIVITY:

KMPG CA Hollister -1520 adds 3500-N, DA-2
KSRB WA Seattle -1150 inc. to 6000-N, DA-N

FACILITY & PARAMETER GRANTS:

KZXX AK Kenai - 980 inc. to 5000/900
KRKS CO Denver - 990 inc. to 6500/390

CALL LETTER CHANGES:

KAZT CA Redding - 600 was KNRO
WSZE MA Boston 1510 was WNRB
KBZZ SPARKS, NV 1270 was KPLY
KROP BRAWLEY, CA 1300 was KKSC
KTBS TULSA, OK 1430 was KQLL

KWQ- 910 CA Hesperia becomes KRAK

NEW

KWSJ 1660 KANSAS CITY, MO NEW REPORTED TESTING

adcom.news@radiodx.com *compiled by Bryan Clark, Auckland*

WELCOME TO NEW MEMBER ERNIE HAKANSON, 17 Williamson Avenue, Grey Lynn, Auckland (another Santa's Special subscription, introduced by David Ricquish). Ernie is librarian for another group of radio hobbyists - the NZ Vintage Radio Society, and has been assisting David with research for the Pacific Radio Heritage Collection, accessible at the DX League internet website <http://radiodx.com>

JOHN THORNTON We record with regret the passing of John, a popular member of the DX League's Auckland Branch. 5 branch members attended his funeral. On behalf of all members we extend our sympathy to John's family.

NZART 75th ANNIVERSARY CONFERENCE The DX League will have a promotional display at next month's annual conference of the NZ Association of Radio Transmitters. A supporting radio display will be open to the general public on the weekend of 2-3 June at the Convention Centre, Alexandra Park in Auckland. The Trade Displays will be an opportunity to view the latest communications equipment, while the Vintage radio Display will show what was available in years gone by.

DX NOSTALGIA 'Sounds Historical' with **JIM SULLIVAN** airs Sundays at 0800 UTC on Radio NZ's National Radio and RNZI (11675kHz shortwave) often has interesting tidbits on the history of radio. In a recent programme a Mr Middlemass mentioned that the BBC's Crystal Palace TV transmissions (45MHz video, 41.5MHz audio. Ed) were observed on a homebrew TV receiver at Highcliff Dunedin during the 1957 sunspot maximum. A year earlier, at the time of the 1956 Melbourne Olympics, Dunedin radio amateurs were also receiving Australian TV signals from Sydney, Melbourne and Adelaide.

ALAN ROYCROFT FINALE On the afternoon of Saturday 3 March, Alan's ashes were taken out into Hilo Bay, Hawaii by paddle boat and scattered in full view of friends gathered in front of Alan's clifftop home. The DX League paid its final tribute to Alan through an obituary notice in the 'NZ Herald' newspaper and an item in the e-Median Strip industry newsletter.

More background on Alan's work in Hawaii was published on 13 February at <http://www.bizjournals.com/pacific/stories/2001/02/12/daily27.html> It is reproduced here with permission from bizjournals.com

Pioneering Hawaii radio engineer dies

Alan Roycroft, 78, president of Broadcast Services Inc., died last night in Hilo. He had suffered declining health over the past four years, "after a couple major strokes," says Buddy Gordon, general manager of Big Island Radio, which operates two AM and six FM stations on the Big Island.

Jim Bowen, chief engineer for three Fisher Broadcasting Inc. television stations in Oregon, met Roycroft in their New Zealand homeland when he was 16, and it was Roycroft who sponsored him to come to Hawaii in 1959. The duo worked together for some ten years, Bowen says.

Roycroft himself had come to the islands earlier in the 1950s as the manager of the electronics division of Theatrical Equipment and Supply. Bowen says Roycroft performed installation and maintenance of motion picture and sound equipment, was a military electronics contractor, and landed a job engineering for KLEI. When Bowen joined Roycroft, the pair did engineering work for what was then KTRG TV, channel 13, owned then by Watumull Investments. Bowen stayed with the TV station when it was purchased by a mainland company.

The two continued to share a passion for pipe organs. Bowen says his friend of more than 50 years was a part of the American Theater Organ Society, and that after the movies at night, while the cleaners were there, they would take turns at the keyboard "and the next thing we knew it was five in the morning."

Roycroft was far more widely known as a broadcast engineer to Hawaii's radio stations. "He had something to do with just about every single station on the air, in some form or another," says Ernie Nierman, a 12-year employee of Broadcast Services. He says despite Roycroft's sometimes abrasive personality, "he was a genius in a lot of ways.

"He was instrumental in developing experimental synchronous transmitters for me, which gave us separate transmitters on three parts of the Big Island," says Buddy Gordon. Roycroft had gone to England to study similar towers employed by the British Broadcasting Corporation. Gordon also says Roycroft was instrumental in "building an experimental tower for us, the first of its kind in the U.S." The so-called, "Paran" tower is actually four, 90-foot tall towers connected by copper wire, "and they act like a 400-foot AM tower," Gordon says. The array is located across the highway from the Keahole International Airport in Kona.

Roycroft "was instrumental in many of Hawaii's first radio stations," Gordon says, "but more importantly in keeping them on the air during tenuous financial times, whether people agreed with his engineering or not."

Dale Machado, chief engineer for the seven Honolulu radio stations of Clear Channel Communications Inc., says Roycroft was "kind of an innovator in AM multiplexing on one antenna." While Machado doesn't believe Roycroft was the first, his work was valuable because of Hawaii's limited land space for broadcast towers. "He designed trap systems — allowing more than one AM station to broadcast off the same tower," Roycroft says. Such arrangements remain common in the islands.

Roycroft's other electronic passion involved amateur radio, and Bowen says his technical articles on the subject were highly respected.

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branch.news@radiodx.com

North Otago

The meeting of the North Otago Branch was held at Kakanui. Ideas and suggestions of the programme for Convention 2002 were discussed. This looks to be shaping up to be another great event for DXers to attend.

The antenna system that Paul Ormandy, with some assistance from Club members,

erected at Peter Grenfell's has proved to be very successful. Noise levels are down and reception from North American medium wave stations has been good. These have not been heard before from Peter's present location.'

Auckland

The 25 March meeting ended a weekend which began with a DXpedition to Waipou Cove, our favourite DX site, and concluded at the clubrooms.

Malcolm Holmes briefly spoke on the DXpedition saying that a lot of interesting things were achieved this time. John West's large MW loop got a decent shakeout with his new modifications; it performed extremely well under many conditions. The loop proved highly directional with multiple stations on the same frequency and it even rejected almost 100% of the weak r.f. QRN from two notebook computers sharing the same table!

The notebooks also had their shakeouts with Alex's Macintosh Power Book outperforming Yuri Muzyka's IBM compatible Toshiba Satellite series notebook practically every facet-wise. Yuri was running a WINRADiO receiver off his once again as well as typing up the Minutes for the February meeting!

Jim Pope shared out his radio mags and food snacks as he has always done, thanks Jim! Daniel Bloomfield provided his usual food for thought while keeping tabs on all the experimentation. They all visited Whangarei for most of Saturday touring many shops of interest in the main street, along the wharf as well as the clock and maritime museums and looking at pleasure yachts.

Next meeting will be on Sunday 29 April at the Clubrooms, 3000 Great North Road, New Lynn, just past Whau Creek.

The May meeting will be on Sunday the 27th at 2 pm tentatively also at the clubrooms. Meetings are on the last Sunday of the month except December.

Article *by Arthur de Maine* *Building an Antenna on the Cheap*

After finding a house on the beach front at Otaki and after several afternoon and evening listening sessions using a longwire out the window and laying over some low trees on the fence line. I concluded that reception in Otaki was 10 times better than in Paremata so it was time to erect a better antenna.

My first problem was that there was nothing of reasonable height to attach even one end of an antenna too apart from the house and garage. Therefore I needed a mast and one that had a pulley so that I could lower the antenna when I wanted to do some maintenance.

I enquired with a firm that made flagpoles and was advised that the cost of a flagpole was over \$200.00, that was out.

Then one day while in the local library I came across a book called "Easy-Up Antennas for Radio Listeners and Hams" by Edward M. Noll.

In chapter 2 the author talks about Easy-Up Masts and Supports and constructing masts and supports using PVC plastic piping telescoped together and bolted. The more I thought about this the more I liked the idea. It would be something light enough that I could handle by myself

Now I must tell everyone I am not a handyman so to build something takes time and a

lot of trial and error, but having build my own dipoles before for erecting between trees I thought it was time to have a go at something better.

Next time we were in Otaki it was off down to the local Mitre 10 store were I found two lengths of PVC downpipe each three metres long, one was 80 mm in diameter and the other 65mm. These along with two downpipe saddles, bolts and pulley were purchased. Mitre 10 delivered the lengths of download the same afternoon.

Assembling the mast, first of all laid the two PVC pipes on the floor of the garage and then inserted the smaller diameter one into the larger one for about a metre and then drilled two holes through both and inserted the bolts. I found that I needed to pack around the smaller diameter downpipe where in entered the larger one to try and stop movement.

A short distance from the top of the mast which now was 5 metres I drilled a hole and inserted an eye bolt to which I attached the pulley using some wire. On top of the mast I nailed a small round plastic container that I purchased at the two dollar shop, this was to stop water running down the inside.

Before erecting the mast I remembered to pull some rope through the pulley. I was then able to carry the mast outside and place it in a hole that I had dug next to the fence. The mast was secured to the fence using the downpipe saddles, which can either be screwed or nailed.

I now had a mast erected and it was time to attach the Alpha Delta Sloper and haul it up, now that was OK, the problem started when I attached the other end and drew the antenna tight. The top downpipe had developed quite a bow so I had to loosen off one end.

I have now taken down the mast and drilled two holes in the top downpipe and inserted guy wires and attached them to a tree, this has improved the bow slightly.

While the longwire that I temporary erected still is better on the higher shortwave bands, reception on the mediumwave band using the Alpha Delta Sloper is certainly much better since being attached to the mast and is way better than the longwire.

SUMMARY

The mast stands about 5 metres high and is attached to a tall fence, since erecting the mast there has been no strong winds so it will be interesting to see how well it survives the wind. I am sure the mast would be better with a lighter wire so that will be my next project to make a light weight dipole and erect a second mast. Also next time I will just use an eyebolt instead of a pulley.

COSTS

1 80mm X 3M PVC Downpipe	= \$18.95
1 65mm X 3M PVC Downpipe	= \$15.95
2 80mm Downpipe saddle	= \$ 3.00
2 Bolts (medium to large)	= \$ 3.20
1 25mm Single Awning Pulley	= \$ 2.85
2 Washers & 1 small bolt	= \$.45
	\$44.40

The purpose of this excercise was to erect a low cost mast and one that required only one person to make and erect the mast. Time will tell on well the mast stands up to the winds etc.

ladders@radiodx.com with Peter Grenfell, Oamaru

Welcome to Autumn, and then Winter always a good time for D.X.ing. As there were not many entries this month it would be appreciated if you could update your totals for the June Times. Many thanks to you all.

MEDIUMWAVE OPEN (Over 500)	QSLs	INC	CNTS	SHORTWAVE OPEN (Over 500)	QSLs	INC	CNTS
Laurie Boyer	3972		137	Ian Cattermole	4022	69	197
Keith Robinson	2929		157	Jack Searle	2365	35	207
Paul Ormandy	1497		139	Laurie Boyer	1750		183
Sutton Burtenshaw	970		102	John Campbell	1612		260
George Beardsmore	802		61	Paul Ormandy	1600		234
Bryan Clark	673		120	Bryan Clark	1545		236
Mark Nicholls	643		67	Lindsay Robinson	1420		169
John Campbell	641		129	Brian Withers	1297		128
Paul Aronsen	529			Mike Smith	1218		133
Lindsay Robinson	524		56	Robert A Park	1296	78	92
SENIOR (301-500)				Leigh Morris	1065		233
Peter Grenfell	443		37	Ross Gibson	1055		162
Stuart Forsyth	413		39	Graeme Dixon	916		117
Brian Withers	411		51	Paul Peacock	845		123
INTERMEDIATE (151-300)				Paul Aronsen	733		
Jack Searle	296		35	Peter Grenfell	653		133
Andy McQueen	295		21	Ian Wells	582		133
Robert Krijger	228		13	SENIOR (301-500)			
Mike Smith	194		18	Bernd Henning	372		90
Paul Peacock	193		16	Andy McQueen	368		103
JUNIOR (5-150)				Bob Boundy	400		91
Ian Wells	108		15	Chris Elliot	301		78
Robert Park	86		2	INTERMEDIATE (151-300)			
Adam Claydon	71		4	Stuart Forsyth	283		87
Arthur de Maine	51		10	Arthur de Maine	260		90
Chris Elliot	15		3	Ashley Gulbransen	193		75
FM-TELEVISION				Keith Robinson	190		181
Brian Withers	899		9	JUNIOR (5-150)			
Robert Krijger	678		6	George Beardsmore	129		68
Bryan Clark	148		5	Adam Claydon	123		40
Paul Ormandy	110		5	Mark Nicholls	121		55
Paul Peacock	65		2	Daniel Bloomfield	13		11
Adam Claydon	49		1	Peter Grenfell			
Mark Nicholls	42		2	1 Stour Street			
Mike Smith	33		2	OAMARU			
Andy McQueen	29		2	PH/FAX (03) 4345907			
Robert A Park	18	1	1	Email petedx@es.co.nz			