



New Zealand DX Times

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

May 2003 - Volume 55 Number 7

<http://radiodx.com>



**DRM (Digital Radio Mondiale)
system to launch on the 16th June 2003.**

Compiled by
Mark Nicholls
Chief Editor



12 Broadcasters plan to commence full time broadcasts using the new DRM (Digital Radio Mondiale) system on the 16th June 2003 live from the World Radiocommunications Conference in Geneva, Switzerland

Deutsche Welle, Radio Netherlands and Swiss Radio International have announced their participation in DRM's Inaugural Broadcasts event. Swiss Radio International will broadcast 3.5 program hours per week in English to the East Coast of the United States, covering Boston, New York, Philadelphia, Washington and Baltimore. The Swiss Radio International broadcasts will be relayed via CBC/Radio Canada International's site in Sackville, Canada.

What is DRM and what is in it for us as a Shortwave Listener or as a Dxr?

DRM emerged from an informal meeting of international broadcasters (which included Radio France International, DW, VOA) and transmitter manufacturers in 1996 who saw that unless something was done the days of broadcasting in the AM bands below 30 MHz were numbered.

So the DRM Consortium was formed in 1998. Currently the DRM Consortium has over 81 members from 30 countries around the World.

Contribution deadline for next issue is Wed 4th June 2003 PO Box 3011, Auckland

CONTENTS

REGULAR COLUMNS

Bandwatch Under 9	4
<i>with Ken Baird</i>	
Bandwatch Over 9	8
<i>with Andy McQueen</i>	
English in Time Order	14
<i>with Yuri Muzyka</i>	
Dxismo	17
<i>with John Durham</i>	
Shortwave Report	19
<i>with Ian Cattermole</i>	
Utilities	23
<i>with Evan Murray</i>	
ADCOM News	25
<i>with Bryan Clark</i>	
TV/FM	27
<i>with Adam Claydon</i>	
Shortwave Mailbag	29
<i>with Paul Ormandy</i>	
Unofficial Radio	30
<i>with Paul Ormandy</i>	
Broadcast news/DX	32
<i>with Tony King</i>	
Branch News	47
<i>with Chief Editor</i>	

OTHER

DRM Launch	1
<i>by Chief Editor</i>	
HCJB News	7
AFN Iceland	13
REE QSL Policy	18
Latest XBand list	36
<i>by Tony King</i>	
Tiwai Easter Trail	37
<i>by Stuart Forsyth</i>	
DX Tiwai Easter 2003	41
<i>by Stuart Forsyth</i>	
My Experiences with DRM reception in NZ	43
<i>by Chris Mackerell</i>	

Radio New Zealand International is an Associate Member of the Consortium.

While there are other digital radio systems in use in the US and Worldwide such as DAB, IBOC and Eureka 147, which work only on FM and/or MW frequencies and the XM and Sirius Satellite radio systems DRM is currently the only non-proprietary, digital system that works on Shortwave, Mediumwave and Longwave with the ability to use existing frequencies and bandwidth around the World.

With near-FM quality sound that offers a dramatic improvement over analogue AM, DRM may revitalise the AM broadcasting bands below 30 MHz worldwide.

From the DRM website <http://www.drm.org/>

Benefits of Digital AM for Listeners

- FM-like sound quality with the AM reach;
- Improved reception quality;
- Flexible use of radio, whenever and wherever you want it;
- No change to existing listening habits:
 - same frequencies,
 - same listening conditions (fixed, portable and mobile radio),
 - same listening environment (indoors, in cities, in dense forests..);
- Low cost receiver, low energy consumption;
- Easy tuning: with selection by frequency, station name or programme type;
- More diverse programme content, using the full capabilities of new digital features;
- Wide receiver range with more and better features;
- Radios that will give you programmes with associated text information, station name, record title, singer's name...

DRM uses a digital mode of transmission. Just like you need to use a BFO or USB/LSB to hear a Sideband transmission on your current receiver, you will need to have a radio that has been built to decode/ receive the DRM digital broadcasts or for some current receivers they may be able to be modified.

What will you hear if you don't have a DRM capable receiver that is able to decode the DRM signal? Probably just hiss.

Will it cause interference to other Shortwave Broadcasters on adjacent frequencies?

Probably not? The DRM signal will probably be more affected by interference from adjacent frequencies. I am sure that other non-DRM broadcasters will be very interested to receive reception reports from Listeners/Dxers who experience any major reception problems caused by DRM broadcasters.

In the USA some Dxer's have reported quite severe co-channel interference from stations in the Mediumwave Bands using the IBOC Digital System (different to the DRM System)

Disadvantages? It's going to cost you money to buy a new DRM capable receiver or have a modification done to your current receiver (if it's able to be modified) to be able to receive the broadcasts.

On page 43 you can read about Chris Mackerell's experience with DRM Reception here in New Zealand.

DRM receiver
pre-production series
Version 1.0

© Coding Technologies,
2002 DRM



The DRM Receiver is the first fully integrated receiver for the Digital Radio Mondiale (DRM) standard. It is the result of a joint development effort of the BBC, AFG and Coding Technologies. The receiver is based on standard components. The main module is a DSP module, which performs all the DRM specific decoding functions. The software of the DSP module can be updated via the USB interface.

The USB interface also provides the data from data application for further processing with a PC. The receiver can decode mono and stereo audio signals.

The full stereo signal is available at the line out, S/PDIF and headphone outputs.

The display indicates the station name, used frequency, field strength and the number of service components of the received DRM signal. Additional information transmitted will be displayed if available.

The station can be selected by directly entering the frequency using the numeric keypad or using one of the 29 station presets.

For signal reception the build-in whip antenna or an external antenna can be used. Beside the DRM standard the DRM receiver also supports analogue reception in the MW, LW and SW bands.



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

kHz	UTC	Country, Station, Programme, & Reception Details
3210	0544	USA, WWCR fair in EE with relig prgm, ID 0600 — KVB 20/4
3300	1012	GUATEMALA, R Cultural fair with music — AJS 4/4
	1103	GUATEMALA, R Cultural poor/fair in Spanish with bright music, ID 1110 KVB 21/4
3325	0958	PNG, R Bougainville good in Tok Pisin with notice re illegal arms in Bougainville, ID 1000 — CC 17/4
3560	1653	NTH KOREA, V of Korea fair in EE with choir singing, ID v1655, distorted // 9975 stronger — CC 21/4
3955	1813	UK, R Taipei Intl in EE with indig music, ID 1816, some QRN — CC 6/4
3975	1923	HUNGARY, R Budapest good in EE with DX feature on regulation of broadcasting in Europe, German after 1930 — BCT 18/4
4085	1927	KURDISTAN, R Kurdistan (presumed) with talk in presumed Kurdish, frequent mentions of Iraq, brief EE ID at 1930, off abruptly 1931 — BCT 18/4
4319	0952	DIEGO GARCIA, AFN good on USB in EE with weather report in US accent — CC 17/4
4389	0910	PERU, R Imperio (tent) fair in Spanish/vernac with Huaynos0941 relig prgm, faded out by 1033 — KVB 21/4
4747	0926	PERU, R Huanta fair/good in Quechua with MA, huaynos, ID 0945 — KVB 15/4
4780	1108	GUATEMALA, R Cultural Coatan Iding as Radio Coatan with nice clean signal of church music — DN 18/4
4789	0911	INDONESIA, RRI Fak Fak (tent) fair/poor with Koran, drum beats, ethnic music, then ballads — KVB 17/4
4810	1945	ARMENIA, Yerevan good in heavily accented EE with commentary about French/Armenian relations, mailbox feature, ID and close at 1958 — BCT 19/4
4820	0455	BOTSWANA, R Botswana with pops and Afro language, bird chirps at 0500 followed by full ID and news - # JB 26/4
4856.2	1019	PERU, R La Hora with Spanish talk and ID, poor/fair with more talk at 1030 # RAD 9/4
4870	1118	INDONESIA, RRI Sorong good with a mix of island and European music, ID as " Radio Indonesia, Prgm Satu" 1128 — KVB 21/4
4876.7	1015	BOLIVIA, R La Cruz del Sur with Spanish relig talk, fair with ID past 1029 - # RAD 9/4
4877	0943	BOLIVIA, R La Cruz del Sur fair/good in Quechua with Andean music, talk and ads, ID 0957 — KVB 8/4
4890	0825	??? Radio Macedonia . Reception on 29/4 heavily mixed with PNG, but 30/4 at 1005 clear with no sign of PNG — IC 30/4
4915	0848	BRAZIL, R Dif Macapa, fair in Portuguese with exl songs, 0851 freq announcement and Macapa ref, 0901 QRM het — KVB 27/4

4915.4	0745	BRAZIL, R Difusora, Macapa poor/fair with lively morning show, very rarely heard here. Good listening — PWO 1/5
4919	0745	ECUADOR, R Quito v strong with Spanish ID — BCT 18/4
4925	1001	BRAZIL, R Difusora Taubate in Portuguese with Journal Brasil news type prgm, jingle ID 1014 fair but fading around 1020 - # RAD 9/4
4930	0911	BOLIVIA, R San Miguel fair in Spanish/vernac with MA & bright music, ID 0918 — KVB 15/4
	1002	BOLIVIA, R San Miguel fair with chimes, T/C, ID "La Voz del Selva" — AJS 2/5
4965	0954	PERU, R Santa Monica fair in Spanish, MA, Huaynos, ID 0955 — KVB 15/4
5029	0745	COSTA RICA, University Network good in EE — IC 6/4
5050	0448	USA, WWRB v good in EE with prgm about new Txer and antenna, full ID and notice to retune to 5085 or 6895 off at 0500 — RFK 19/4
5085	0750	USA, WWRB good in EE — IC 6/4
5840	1900	SWEDEN, R Sweden v good in Russian after IS, ID — KAB 9/4
5850	2000	SWEDEN, RCI v good in EE with full ID at s/on with news and Canada Today in EE — RFK 17/4
5890	1912	VATICAN, Vatican Radio good in Italian with some QRM — KAB 9/4
5900	1917	FRANCE, RFI good in Russian with news and comment — KAB 9/4
5920	0453	USA, WTJC/WBOH fair in EE with hymns, ID as WTJC 0500, scratchy and surging — CC 15/4
	0739	USA, WBOH with relig music until 0800 then WTJC & WBOH ID, news, banjo playing, relig prgmming — RFK 17/4
	1000	USA, WBOH with music and ID on the hour // 9370 — AJS æ
	1848	SLOVAKIA, R Slovakia Intl good in EE with YL with a recipe ID 1852 // 6055, 7345 the same — CC 30/4
	1920	SLOVAKIA, R Slovakia Intl good in Slovak with comment, ID Is then change to French 1930 — KAB 9/4
5930	1910	CZECH REP, R Prague good in German with comment, mentions of Czech Rep and Prague — KAB 10/4
	1955	CZECH REP, R Prague poor in Czech with pop music and comment on the news. ID 1956 then into EE 2000 after IS, ID — KAB 8/4
5945	1910	AUSTRIA, ORF v good in German with comment, some QRM — KAB 10/4
5965	1930	MALAYSIA, R Malaysia Kajang with improved modulation and signal, with "Radio Satu" IDs with quiz between music tracks, R Malaysia jingle, TC and news at 2000 — PWO 9/5
5985	1915	GERMANY, D Welle v good in Russian with comment on Iraq and US leaders KAB 10/4
5990	0852	BRAZIL, R Senado fair in Portuguese with MA, ballads, discussion, ID 0859 KVB 8/4
6005	0640	ASCENSION IS, BBC WS good in EE — IC 2/4
6025	1915	HUNGARY, R Budapest fair in EE with comment on future of Iraq, ID 1919 KAB 10/4
	2000	HUNGARY, R Budapest poor in French with news after ID — KAB 8/4
6030	0517	USA, R Marti good in Spanish with OM talking // 7405 the same, 9805 & 11775 weaker — CC 15/4
6035	0935	COLOMBIA, L V del Guaviare with talk and music in Spanish, full ID at 1000 with jingles, decent signal - # JB 30/4
6065	2130	SWEDEN, R Sweden poor/fair in EE with 60 Degrees Nth after IS, ID, // 11650

much better — KAB 5/5

6080	2040	AUSTRALIA, RA good in Tok Pisin with Pacific pop music, comments on Pacific	KAB 10/4
6095	2043	GREECE, VOA good in EE with ID 2042, VOA News Now —	KAB 10/4
6104.9	0842	MEXICO, La Candela re-activated via XEQM with prgm of romantic and Spanish male vocals, many brief "Candela" IDs with full ID at 0903, fair with QRN, and fading, still going at 1000z - #	JB 20/4
6130	2045	ITALY, RAI with s/off with IS, bird calls, fair —	KAB 10/4
6145	2050	CHINA, CRI in unid language off at 2057 with typical CRI music, no ID but freq. Sked —	KAB 10/4
6180	2100	ENGLAND, NHK/R Japan via Skelton weak in EE —	IC 14/4
6186	0751	MEXICO, R Educacion with Spanish ID then jazz music prgm —	BCT 18/4
6275	1930	ITALY, Radio Tre poor though reasonably clear —	PWO 11/4
6275.2	0549	ITALY, Radio Tre with pop tunes Italian announcements at 0554, sometimes off the air only to return later —	DN 13/4
6275.8	0048	PIRATE, Uind with NPRs "Car Talk" usual telcons, occasional 800 or 880 numbers, all US accented EE - #	JB 20/4
6275.8	0445	PIRATE (Euro) prob. Swinging Radio, UK with pops, EE talk, no definite ID but 2 tentative, poor with heavy QRN - #	JB 4/5
6575	1842	NTH KOREA, V of Korea good in German with Yls speaking // 9325 the same —	CC 6/4
6890	0658	USA, WWRB fair in EE with hymn singing, ID then of at 0700, a little noisy and some QRM —	CC 4/5
6955.1	2247	PIRATE, Italy R Tre Network with pop and rock music, some EE , most in Italian, brief IDs between selections, longer ID around the hour. - #	JB 9/4
6955.2	0219	ITALY, Radio Tre with many EE songs and IDs, jingles, etc., poor/fair - #	RAD 10/4
7155	1910	THAILAND, HSK9 R Thailand fair in EE better on USB with prgm on education in Thailand —	KAB 8/4
7190	0432	TUNISIA, RTV Tunisienne good in Arabic with YL & OM talking with music, surging a little —	CC 12/4
7230	2200	YUGOSLAVIA, fair in EE —	# PSB 22/4
7245	1649	TAJIKISTAN, Tajik Radio fair in EE with world news and music, EE off at 1700, scratchy with slight QRM —	CC 2/5
7260	0258	UK??? BFBS with open carrier then opened with news and pop music dedication prgm - #	RAD 11/4
7355	0600	USA, WYFR good in EE —	IC 7/4
7405	0523	USA, R Marti fair in Spanish —	# PSB 22/4
	0530	USA, WBCQ good in EE with relig prgm —	IC 20/4
7410	2003	INDIA, AIR Delhi good in Hindi with what sounded like news —	KAB 8/4
7425	0523	USA, WEWN weak in Spanish —	# PSB 22/4
	0540	USA, WEWN good in Spanish —	IC 20/4
	0815	USA, WEWN good in EE with Gospel prgm —	# PSB 22/4
7445	0545	COSTA RICA, RFPI fair in EE —	IC 20/4
7460	0225	CLANDESTINE, Radio Payam-e-Doost open carrier with Russian tones, opened 0229 with music followed by ID and Farsi talks - #	RAD 11/4
	0229	CLANDESTINE, Iran, R Payan-e-Doost opening with music, fanfare, clear ID	

then talk Prgm stopped and stn off at 0315 - # JB 15/4
7490 2007 USA, WJIE fair in EE with gospel music, strong het — KAB 13/4
7525 1900 USA (site?) Radio Yaran strong in Farsi — IC 4/4

Logging of the month

Goes to **Paul Ormandy and Kelvin Brayshaw** for R Difusora Macapa, BRAZIL, on 4915.4. My thanks to all the contributors, with a good variety of loggings even although conditions have not been very good this month.

73's, Ken Baird

CONTRIBUTORS FOR THIS MONTH

AJS — Andrew Sunde, Ohai, ICF 2001, 5MHz dipole, 40m wire : **BCT** — Bryan Clark, Tiwai, AOR7030+, 365m wire to Americas : **CC** - Cliff Couch, Paraparaumu, ATS 803A, 60m horizontal loop, 32m E/W wire, 4 band N/S dipole : **DN** — David Norrie, Auckland, AOR 7030 : **IC** — Ian Cattermole, Blenheim, JRC NRD 535, T2FD and Alpha Delta antennas:
JB — Jerry Berg, Lexington, MA, USA, R8, 130ft longwire, 19 & 90m dipoles : **KAB** - Ken Baird, Christchurch, R5000, Drake SW2, 21m Windom, SW Eavesdropper: **KVB** — Kelvin Brayshaw, Levin, FRG-7, ICF-2001, horizontal Loops : **PSB** — Paul Bailey, Hobart Australia :
PWO — Paul Ormandy, Oamaru, SPR4, Numerous dipoles etc : **RAD** — Richard D'Angelo Wyomissing USA, R8B, Lowe HF 150, Alpha Delta sloper, RF Systems mini windom, Datong FL3, JPS ANC4 : **RFK** — Ron Killick, Christchurch, Sony 6800, 40m wire.
Contributions to this column may be sent to PO Box 3011, Auckland or
K A Baird, 10 Sarabande Avenue, Christchurch, 5. Ph: +64 3 352 6455, FAX: +64 3 354 1347, e-mail to ka.baird@xtra.co.nz

Breaking News 18/5/03

HCJB DX Partyline to Continue

ECUADOR [and non]. As previewed, this weeks Viva Miami on WRMI is a conversation between Jeff White and Allen Graham, of HCJB and DX Party Line. They went over the process leading to the decision to cut English to Europe and North America; altho he took part in discussions, the decision was made by the management, not Allen Graham. Just this past week, received confirmation from HCJB Australia, on Tuesday after recording this week's DXPL early, in order to attend a conference in Miami, that they will continue carrying the program DX Partyline; Allen Graham will need some help to keep producing it in Quito, tho, due to his additional duties. He will be allowed to keep producing the program, to air in Australia, on that weekend block, early Sunday morning in the Americas. Another station is offering to air the program if we continue to produce it, for listeners in North America. Don't want to mention station's name yet. Bottom line is DXPL will continue after May 31, but a few things need to be firmed up with his superiors. Confirmed that Morning in the Mountains will also continue, primarily for missionaries who have no other access to English language programming. Haven't had a chance yet to let Greg Schatzman, Bob Padula, Luigi Cobisi and other contributors know (notes by Glenn Hauser for DX LISTENING DIGEST via HCDX)

bandwatch.over9@radiodx.com

Compiled by Andy McQueen, Brightwater

Hello again from Brightwater where the apples & grapes have been picked and the kiwifruit are almost ready. A Special welcome to new member Johannes Rol of Papatoetoe Please note all times given are UTC.

KHZ TIME COUNTRY STATION & PGM DETAILS INITIALS

9435	0500	ISRAEL Kol Israel excellent in EE with S/on then News // 17600Fair 9/4 JAS
9470	0500	GERMANY V. of Croatia S/on details in various languages EE News at 0505-0515 on Election Easter and wreath laying at mass gravesites 20/4 RFK
9510	0527	GREECE. Radio Farda. Good in Farsi./15290 7/4 IC
9550	1940	GERMANY VOA via Lampertheim. VG in Special EE. 8/4 IC
9580	0430	SERBIA? R Yugoslavia Good in EE with News 25/4 AMQ
9600	0502	SOUTH AFRICA AWR with pgm in Yoruba Id and Nigeria mailing address Closing at 0527 after usual Id 19/4 RFK
9715#	2027	IRAQ Tent. Information Radio, 2027 AA female vocal, but soon into talk format Very choppy signal, many ups and downs, building but not strong overall. Blocked when RL Holzkirchen came on at 2058 and gone when RL went off at 2158. Something there after 0200 Apr 13 as well, but not enough to work with. 12/4 JB #
9775	0730	AUSTRIA AWR Moosbrunn Multi language Ids and S/on in EE then Wavescan including Pacific DX report from Paul O Also item on FEBA and Titanic 20/4 RFK
9785	0927	NETH.ANTILLIES R Nederland Bonaire Excellent in EE S/on at 0930 News then Wide Angle pgm, Insight and Music 52 15 at 1000 Second report to see if they can get frequency right on the card 12/4 RFK
9795	0830	.MONACO TWR Weak in GG to off at 0845. 14/4 IC
9830	1400	THAILAND Radio Thailand. Good in EE. 16/4 IC
9870	0710	MONACO TWR Good in EE with Billy Grahams Hour of Decision 13/4 AMQ
9895	1830	NETHERLANDS Radio Nederland in EE, also on // 17605 and 15315 JR
10320	1824	HAWAII AFRTS Fair in EE with Sports News with an American accent 6/4 CC
11550	1645	TAIWAN RTI Fair in EE with commentary on life in Taiwan 8/4 AMQ
11560	1628	GUAM KSDA Strong in EE with discussion on forgiveness Id at 1630 2/5 CC
11600	0800	CZECH REPUBLIC R Prague Good signal 15/3 PSB
11600	0600	BULGARIA R Bulgaria Excellent in English // 13600 V/good 11/4 PSB
11615	1640	FRANCE RFI Good in EE S./off at 1700 9/4 AMQ
11625	0530	VATICAN CITY Vatican Radio Weak in English 13/4 PSB
11650	2130	SWEDEN R Sweden Excellent in EE with Spectrum of the Arts pgm Festival in Northern Sweden Closed at 2159 19/4 RFK
11675	0451	KUWAIT R Kuwait Fair in AA with indigenous Mx A little scratchy // 15495 the same 12/4 CC
11690	1628	JORDAN R Jordan Distorted signal in EE with Music Id at 1630 then off 2/4 CC
11720#	2100	MOROCCO VOA-Briech Apr 9, Opening with man in English: "This is the Voice of America broadcasting to Africa. The following program is in French."

A woman read the news in French. Good.9/4 RAD

11734.1# 2050 ZANZIBAR Radio Tanzania Zanzibar Apr 9, man with Swahili talk followed by vocal at 2052. After Koran prayers, announcer gave ID and sign off announcements. Brief instrumental anthem. Good.9/4 RAD

11745 1635 ISRAEL Kol Israel Fair in EE with News about Israel Scratchy background 2/4 CC

11750 2058 GUAM AWR Weak in EE with co channel QRM London QTH given 24/4 AMQ

11755 0455 RUSSIA VORWS Fair in English 22/4 PSB

11765 0602 SOUTH AFRICA BBCWS relay Fair/good in EE with News - No further need for Australian forces in Iraq now Baghdad fallen Id 0606 17/4 KVB

11805 1011 THAILAND R Thailand V/good in Thai with refs to Thailand Off at 1100 19/4 KVB

11835 0550 BOTSWANA VOA Fair in EE with 70's rock Mx then editorial on Iraq Id 0558 17/4 KVB

11850 0644 PORTUGAL RDP Int. Excellent in PP from S/on at 0645 Id & freqs 0658 then Nx at 0700 17/4 **RFK**

11850 2130 GUAM KSDA Good in EE. //11980 also good. 7/4 IC

11905 0235 SRI LANKA SLBC. Poor in EE. 2/4 IC

11920 2200 CANADA RCI Excellent in EE stating with CBC World at Six Policing borders Canadian warships in Gulf and a mention of NZ Navy plus SARS etc Into SS at 2230 8/4 **RFK**

11975 0030 GERMANY. Bible Voice BC. Fair in EE to India. 2/5 IC

11975 0100 GERMANY RFA Opens with EE Id etc stating that following programme is in Tibetan. V/Good. 2/5 IC

12015 1959 UAE Al Dhabayya Transmission details then V/good in EE with News Iraq & SARS etc. Then Canada Today with research on birds and Canadian aid for Africa 7/4 **RFK**

12035 0500 SPAIN REE Excellent in Spanish 22/4 PSB

12045 0735 MOROCCO VOA Good in AA with MRN2 programme. 14/4 IC

12085 0939 MONGOLIA V of Mongolia V/good in EE & Mongolian Easy listening Mx .At 1000 I/signal and Id 19/4 KVB

13595 0420 USA WJIE. Poor in EE. New freq //7490. 12/4 IC

13620 0910 NTH. MARIANNAS VOA. Strong in EE. 29/4 IC

13645 2038 GERMANY SRI via Julich. VG in GG//11815, 13795. Into French at 2100. 5/5 IC

13675 1647 UAE R Dubai Fair in EE with indigenous Music. A little scratchy 21/4 CC

13685 0600 GERMANY RVI Excellent in Flemish // 15195 13 & 22 /4 PSB

13685 0900 AUSTRALIA Voice Int. Good in EE at S/on 5 minutes of Nx then 'Insight for Leaving ' pgm 14/4 **RFK**

13690 1930 GT. BRITAIN RVI via Skelton. Fair in EE. 2/4 IC

13690 2100 CANADA RCI Strong in EE to Africa & Europe // 15325 weaker. French from 2130 9/4. JR

13690 2129 HOLLAND RCI Flevo relay site Good in FF with S/on in FF Note EE on this channel from Skelton prior to this, Plenty of Id's News appeared to be from 2130-2140 then mostly music 20/4 **RFK**

13700 2130 NETHERLANDS Radio Nederland strong in Dutch with Ajax Milan soccer commentary 9/4. JR

13730 0531 AUSTRIA ORF/R Austria Int. Excellent in English with "Siemens Presents"22/4 PSB

- 13755 0500 MADAGASCAR D/Welle via Talata Vol Good in EE at S/on but gone by 0540
Non descript S/on then News to 0505 Then Religion & Society then German
by radio course 13/4 **RFK**
- 13800# 1630 CLANDESTINE (Iran). R. International, opening with Id into news by man,
remainder of pgm direct offsite reporting, occasional questions by studio
host. Upbeat Iranian vocal Mx at 1645, then back to interview. Closed at
1700 after contact info, then played "tuning melody" until switched off at
1716.7/4 JB#
- 13820 1702 GERMANY R Africa Int. Fair in EE with Id and then News Some QRM 2/5 CC
- 13855 0900 ICELAND? AFRTS Probably via Keflavik. Fair in EE. 5/5 IC
- 13855USB# 0200 ICELAND? AFN, at 0200 ending Paul Harvey, going into AP Network News,
then CBS News Weekend Roundup at 0205. Fair signal, //6458.5 (Puerto
Rico) & 12689.5 (Florida), both about the same as 13855, and 10320 (Hawaii)
which was weaker. By 0530, 13855 was much weaker, as it still was at
0930; however, by 1030 it was much better and fully listen able; weaker
again at 1430 re-check. Thought to be Iceland by others who are hearing
it. 3/5 JB # **(Confirmed as Iceland by email QSL's received by various DXers
Overseas - see Page 13 Chief Editor)**
- 15020 0939 INDIA AIR GOS Fair in EE with commentary 1014 Id then ethnic Mx // 17510
5/4 & 20/4 KVB
- 15060 0016 TAIWAN WYFR Relay Fair/Poor in unidentified Asian language with talk pgm
At 0059 signature Mx At 0100 Id 23/4 KVB
- 0055 Ending CC pgm S/on in EE Good Signal with quote on 'Power of thine hand'
then 'Open Forum' More Id at 0129 then same pgm mentioned 6/4 **RFK**
- 15065 1605 PAKISTAN R Pakistan Fair in EE for 1/4 hour //15725 and 11570 weaker and
not there on 17820 8/4 AMQ
- 15095 0958 PHILIPPINES FEBC INT Good in Indonesian or Malaysian with talk & jazz Id
at 1000 5/4 KVB
- 15105 0530 SOUTH AFRICA AWR Meyerton V/good in EE with multi language S/on then New
Life pgm from Kenya studio and Kenya mailing address at 0539 6/4 **RFK**
- 15110 0800 KUWAIT R Kuwait fair with News in Arabic 7/4 AJS
- 15110 2145 CHINA CRI. Good in EE but some QRM. 7/4 IC
- 15120 0300 PHILIPPINES Radio Pilipinas fair but clear in English, 30/4. BDC
- 15120 0456 NIGERIA Voice of Nigeria opening with anthem and Id in EE, then straight
into commentary. Good signal audible past 0630. // 7255 opening at same
time in French, much stronger signal. 30/4. BDC
- 0548 Fair in EE with talk on Nigeria's water supply 4/4 CC
- 15130 2100 AUSTRIA AWR via Moosbrunn. VG in EE. 7/4 IC
- 15150 1705 GT BRITAIN? BFBS Good with BBC News Bulletin 9/4 AMQ
- 15170# 1900 CLANDESTINE (Nigeria). Jakada Radio Intl, very good signal, with intermittent
side splatter from 15165. I was on 15170 at 1929 and heard the VOA s/off in
EE. Then a one-minute pause in the audio, and Jakada started up until off
at 1929. IBB shows 15170 as Morocco to 1900. Pgm opened with singing
"Jakada Int." melody, then "Salam Aleikem" opening , followed by Mx with
similar-type calls. Presumed Hausa. E-mail with brief RA recording to

jakinf2002@yahoo.com" returned, "This account has been disabled or discontinued." 7/4 JB#

- 15185 0846 INDIA AIRGOS Poor with slight QRM News in EE Id 0854 17/4 KVB
15185 2145 ECUADOR. HCJB. Good level in EE but co-channel QRM from VOA. 7/4 IC
15205 1630 PHILIPPINES VOA Fair in EE with News Now QRM from Arabic station co-channel Saudi Arabia? 8/4 AMQ
15235 1638 GUAM ?? AWR Good in EE with health pgm 8/4 AMQ
15280 0906 PHILIPPINES R Liberty Fair in RR with talk pgm Strong but rough audio. Id at 0907 17/4 KVB
15310 0130 OMAN BBCWS ? Good in EE with Sports News West Indies V Ausies test scores 13/4 AMQ
15316 2145 NETH ANTILLIES R Nederland Bonaire Excellent in Dutch // 15155 8/4 PSB
15380 1710 ROMANIA RRI Good in EE with talk on Romania's Aid to Iraq Id 1711 21/4 CC
15385 0000 SPAIN REE Madrid opening EE broadcast with Id and news, very good 30/4. BDC
15435 0435 UAE R Dubai Fair in EE with indigenous signal Scratchy //21700 clearer 12/4 CC
15530 2006 GABON RFI Good in PP with religion Nx and jazz interlude Id 2030 20/4 KVB
15605 2200 RUSSIA D/Welle Via Komsomolsk Poor in EE Usual S/on in EE then 5 minutes of News then Easter special pgm with Happy Easter song to start This signal usually much weaker than this 20/4 **RFK** (A change of listening location help? - Ed)
2230 Good /Fair in EE. 7/4 IC
15640 0500 ISRAEL Kol Israel fair in English 22/4 PSB
15665 2140 USA WSCN Fair in English 8/4 PSB
15670# 1725 CLANDESTINE (Eritrea) Voice of Democratic Eritrea, tuned in mid-pgm at 1725 Apr 7, found AA talk, then vocal Mx, Id 1730, more Mx and talk. Strong signal, but almost wiped out by QRM from 1758 and unsure if they went off at 1800 or not. 7/4 JB#
15715 1700 GERMANY Radio Africa Int. (UMC) Good in EE. 23/4 IC
1807 Good in EE News Slump in coffee prices hurting Ethiopia Id 1811 & 1822 12/4 KVB
15760 0545 ISRAEL Kol Israel Good in Hebrew 16/3 PSB
15745 0200 SRI LANKA SLBC Ekala V/good in EE with 9 mins of News then over an hour of non-stop music of the 50 & 60s The day before had "Cowboy" songs i.e. 40's & 50's era 7/4 **RFK**
15775# 1328 CLANDESTINE (Vietnam). Chan Troi Moi, ex-15715, excellent opening with anthem-like Mx, ID by lady, into talk pgm occasional music bridges, many Sadaam Hussein and Iraq, all in Vietnamese. Anthem-like Mx again at 1428, and closed at 1430 with Id in EE, "The Vietnamese broadcast of New Horizon signing off." Very brief pause and then a pgm from another station began. Via DTK?. 12/4 JB#
15775 1430 GERMANY Gospel for Asia. (GFA) via Wert. VG in Hindi. 24/4 IC
15795 0311 UZBECKISTAN? BFBS V/good in EE reputedly in Tashkent BFBS One Music pgm 0630 local time News and about being off air until Monday as they shift from Kuwait to inside Iraq Guess this is FM Unit Medical Regiment probably on hold 18/4 **RFK**
15825 1953 USA WWCW Fir/Poor with contemporary religious Mx Id 1959 20/4 KVB

17500	0930	NORWAY. Radio Denmark. Strong in DD. 13/4 IC
	0930	via Kvitsoy site V/good in Danish with Nx on SARS Iraq Syria Singapore and UK footy results then German Bundesliga results 20/4 RFK
17835	0813	MOROCCO Radio Farda. VG in Farsi. 7/4 IC
17650	0930	ASCENSION ISLAND NHK/ R JAPAN Fair signal in Japanese 16/3 PSB
17685	0100	JAPAN NHK Radio Japan in EE. Also heard at 0300 on 21610 and 11920 at 2100. JR
17840	1230	SWEDEN. Radio Sweden. Poor in EE. 8/4 IC
17835.3	#2245	EL SALVADOR. R. Imperial, at least decent during the 2245-2330, religious programme talk, Mx, "hallelujah," though no Id as such. Stronger and generally steadier than before they sunk into oblivion around 2325 23/4 JB #
17895#	1400	GT BRITAIN BFBS weak Other new frequencies 7260 was good at 0300 // 13860 was slightly better; 15245, poor-fair at 1600, slightly better than 13860 at the same time, but both improving quickly to good level, 15245 better than 13860 by 1630; 15150 very good at 1715 check 00). Also checked 13760 at 1830 (sked 1800); it was probably BFBS in the background with rock Mx, but WHRI was powerful on the channel, and, interestingly, they were having "Soldier Salutes," call-ins with a religious slant for soldiers serving in the ME. 5/4 JB #
17895	0353	SRI LANKA VOA Weak in English 13/4 PSB
18960#	1355	SWEDEN Sveriges Radio Program 4, Radiosporten, with coverage of Hammarby/Sandvikenn Bundy match. Good signal. 16/3 RAD
21515	0800	RUSSIA VORWS Weak in EE // 17615 Fair 15/3 PSB
21555	2120	USA VOA French Service with commentary on terrorism. Good till s/off 2130 with EE Id 29/4. BDC
21660	0800	GT BRITAIN BBCWS Fair in English 15/3 PSB
21660	0510	SINGAPORE BBCWS Kanji Fair in English 22/3 PSB
21700	0507	UAE R Dubai Excellent in Arabic with EE news at 0530 on relay from Dubai FM 11/4 and 22/3 PSB
21760	0506	JAPAN NHK/R Japan Fair in English 22/3 PSB
21790	0530	RUSSIA VORWS Excellent in English 11/4 PSB
21795	0535	THAILAND R Thailand Fair in EE with News about Thailand 4/4 CC

Thanks very much to all contributors for this month. Stations reported are indicated by the contributors initials underlined in Bold eg:

AMQ The use of the # symbol is to indicate station reported outside of New Zealand. **Please note** I have changed the location of this symbol to beside the frequency.

Logging Competition

The winning logging is 13855 AFRTS Iceland submitted by Ian Catermole

Your contributions are most welcome either to the email address above or Postal via PO Box 3011 Auckland or direct to me at **85 Waimea West Road Brightwater Nelson**. Fortunately I am still getting mail forwarded from my old Trentham address but it may not continue so would you **Please note the new address**.

To Gunter Jacob I have now got your Continents Contribution Thanks

73's
Andy McQueen

SHORTWAVE EXCHANGE

AJS Andrew Sunde Ohai Southland Sony ICF 2001 5 Mhz dipole with tuner **AMQ** Andy McQueen Brightwater Sony 7600 and 1 m telescopic whip / **BDC** Bryan Clark, Auckland AOR7030+ and Alpha Delta Sloper antenna. / **CC** Cliff Couch Paraparaumu Sangean ATS 803A with 60m horizontal loop/ & 32m E/W random wire & 4 band N/S dipole / **IC** Ian Catermole Blenheim JRC NRD 535 T2FD and Alpha Delta antennae/ **JB** Jerry Berg Lexington MA USA Drake R8 and 130 ft longwire plus 19 & 90 m dipoles / **JR** Johannes Rol Papatoetoe Auckland / **KVB** Kelvin Brayshaw Levin FRG-7 & Sony ICF 2001 60m & 40m horizontal loops/ **PB** Paul Bailey Hobart Tasmania Australia Realdx440 & Kenwood R-2000 Outdoor wire antenna./ **RAD** Richard D'Angelo Wyomissing, PA USA Drake R-8B Lowe HF-150 Alpha Delta DX Sloper RF Systems Mini-Windom Datong FL3 JPS ANC-4 / **RFK** Ron Killick Christchurch Sony 6800 & 40m long wire



AFN ICELAND ON SHORTWAVE

From: Huizinga, Patricia OIC (NASKEF NMC)

To: Jari Savolainen

Subject: RE: AFN on shortwave

Yes indeed. You are hearing a signal that you may continue to hear for some time. It is transmitted from Keflavik, Iceland, but the original program is sent to us from California. Here at Keflavik, we insert some local "spots" and IDs. We have started to send out the signal so that any US ships in the area could listen to US programs.

Best Regards from a slightly overcast Iceland!

Trish Huizinga

Officer-in-Charge

Naval Media Center

patricia.huizinga@naskef.navy.mil

(Jari Savolainen Kuusankoski Finland via HCDX)

english in time order

Compiled by Yuri (George) Muzyka, Auckland



Time Order summary of Ken's Under 9MHz & Andy's Over 9MHz BandWatch columns. Please remember to include the date and signal strength with all your loggings, thanks. 73 - Yuri ("George") Muzyka, ZL1GYM <http://www.linradio.com/sources.htm> (yuri@win.co.nz ***SIGNAL STRENGTHS*** e = Excellent; g = Good; f = Fair; p = Poor.

Time (UTC)	Frequencies (kHz)	Station Name	Station Country	Log Date	DXer Name
0000	15385g	REE	SPAIN	30/4	BDC
0030	11975f	Bible Voice BC	GERMANY?	2/5	IC
0100	17685	NHK/Radio Japan	JAPAN	-	JR
0100-0129	15060	WYFR	USA	6/4	RFK
0130	15310g	BBCWS	UK	13/4	AMQ
0200	15745g	SLBC	SRI LANKA	7/4	RFK
0200-0530	6458.5f(USB):10320p(USB) AFN		USA	3/5	JB
0200-0530	12689.5f(USB):13855f(USB) AFN		USA	3/5	JB
0235	11905p	SLBC	SRI LANKA	2/4	IC
0300	15120f	Radio Pilipinas	PHILIPPINES	30/4	BDC
0300	21610	NHK/Radio Japan	JAPAN	-	JR
0300	7260g:13860g	BFBS	GT BRITAIN	5/4	JB
0311-0630	15795g	BFBS	GT BRITAIN	18/4	RFK
0353	17895p	VOA	USA	13/4	PSB
0420	7490:13595p	WJIE	USA	12/4	IC
0430	9580g	R Yugoslavia	YUGOSLAVIA	25/4	AMQ
0435	15435f:21700	R Dubai	UAE	12/4	CC
0448-0500	5050g	WWRB	USA	19/4	RFK
0453-0500	5920f	WTJC/WBOH	USA	15/4	CC
0455	11755f	VORWS	RUSSIA	22/4	PSB
0456-0630	15120g	Voice of Nigeria	NIGERIA	30/4	BDC
0500	9435e:17600f	Kol Israel	ISRAEL	9/4	AJS
0500	15640f	Kol Israel	ISRAEL	22/4	PSB
0500-0540	13755g	D/Welle	GERMANY	13/4	RFK
0505-0515	9470	V. of Croatia	CROATIA	20/4	RFK
0506	21760f	NHK/R Japan	JAPAN	22/3	PSB
0510	21660f	BBCWS	UK	22/3	PSB
0530	7405g	WBCQ	USA	20/4	IC
0530	11625p	Vatican Radio	VATICAN CITY	13/4	PSB
0530	21700e	R Dubai	UAE	22/3	PSB
0530	21790e	VORWS	RUSSIA	11/4	PSB
0530-1030	13855p(USB)	AFN	USA	3/5	JB
0530-0539	15105g	AWR	STH AFRICA?	6/4	RFK
0531	13730e	ORF/R Austria Int	AUSTRIA	22/4	PSB
0535	21795f	R Thailand	THAILAND	4/4	CC

0544-0600	3210f	WWCR	USA	20/4	KVB
0545	7445f	RFPI	COSTA RICA	20/4	IC
0548	15120f	Voice of Nigeria	NIGERIA	4/4	CC
0550-0558	11835f	VOA	USA	17/4	KVB
0600	7355g	WYFR	USA	7/4	IC
0600	11600e:13600g	R Bulgaria	BULGARIA	11/4	PSB
0600	13685e:15195	RVI	BELGUIM	13&22/4	PSB
0602-0606	11765g	BBCWS	UK	17/4	KVB
0640	6005g	BBC WS	UK	2/4	IC
0658-0700	6890f	WWRB	USA	4/5	CC
0710	9870g	TWR	MONACO?	13/4	AMQ
0730	9775	AWR	AUSTRIA?	20/4	RFK
0745	5029g	University Network	COSTA RICA	6/4	IC
0750	5085g	WWRB	USA	6/4	IC
0800	17615f:21515p	VORWS	RUSSIA	15/3	PSB
0800	21660f	BBCWS	UK	15/3	PSB
0815	7425g	WEWN	USA	22/4	PSB
0846-0854	15185p	AIR	INDIA	17/4	KVB
0900	13685g	Voice Int	AUSTRALIA	14/4	RFK
0900	13855f	AFRTS	USA	5/5	IC
0910	13620e	VOA	USA	29/4	IC
0930-1000	9785e	R Nederland	NETHERLANDS	12/4	RFK
0939-1000	12085g	V of Mongolia	MONGOLIA	19/4	KVB
0939-1014	15020f:17510	AIR	INDIA	5&20/4	KVB
0952	4319(USB)g	AFN	USA	17/4	CC
1030	13855g(USB)	AFN	USA	3/5	JB
1230	17840p	Radio Sweden	SWEDEN	8/4	IC
1400	9830g	Radio Thailand	THAILAND	16/4	IC
1400	17895g	BFBS	GT BRITAIN	5/4	JB
1430	13855p(USB)	AFN	USA	3/5	JB
1600-1630	13860f:15245f	BFBS	GT BRITAIN	5/4	JB
1605	11570p:15065f:15725p	R Pakistan	PAKISTAN	8/4	AMQ
1628-1630	11560e	KSDA	GUAM	2/5	CC
1628-1630	11690	R Jordan	JORDAN	2/4	CC
1630	15205f	VOA	USA	8/4	AMQ
1630	15245f	BFBS	GT BRITAIN	5/4	JB
1635	11745f	Kol Israel	ISRAEL	2/4	CC
1638	15235g	AWR	GUAM?	8/4	AMQ
1640-1700	11615g	RFI	FRANCE	9/4	AMQ
1645	11550f	RTI	TAIWAN	8/4	AMQ
1647	13675f	R Dubai	UAE	21/4	CC
1649-1700	7245f	Tajik Radio	TAJIKISTAN	2/5	CC
1653-1655	3560f:9975g	V of Korea	NTH KOREA	21/4	CC
1700	15715g	R Africa Int	GERMANY?	23/4	IC
1702	13820f	R Africa Int	GERMANY?	2/5	CC

1705	15150g	BFBS	GT BRITAIN	9/4	AMQ
1710-1711	15380g	RR1	ROMANIA	21/4	CC
1715	15150g	BFBS	GT BRITAIN	5/4	JB
1807-1822	15715g	R Africa Int	GERMANY?	12/4	KVB
1813-1816	3955	R Taipei Int	TAIWAN	6/4	CC
1824	10320f	AFRTS	USA	6/4	CC
1830	9895:15315:17605	Radio Nederland	NETHERLANDS	-	JR
1848-1852	5920g:6055g:7345g	R Slovakia Int	SLOVAKIA	30/4	CC
1910	7155f	HSK9/R Thailand	THAILAND	8/4	KAB
1915-1919	6025f	R Budapest	HUNGARY	10/4	KAB
1923-1930	3975g	R Budapest	HUNGARY	18/4	BCT
1930	13690f	RVI	BELGUIM	2/4	IC
1940	9550g	VOA	USA	8/4	IC
1945-1958	4810	Yerevan	ARMENIA	19/4	BCT
1953-1959	15825f	WWCR	USA	20/4	KVB
1959	12015g	Al Dhabayya	UAE	7/4	RFK
2000	5850g	RCI	CANADA	17/4	RFK
2007	7490f	WJIE	USA	13/4	KAB
2043	6095g	VOA	USA	10/4	KAB
2058	11750p	AWR	GUAM?	24/4	AMQ
2100	6180p	NHK/R Japan	JAPAN	14/4	IC
2100	11920	NHK/R Japan	JAPAN	-	JR
2100	15130g	AWR	AUSTRIA?	7/4	IC
2100-2130	13690e:15325g	RCI	CANADA	9/4	JR
2130	6065f:11650g	R Sweden	SWEDEN	5/5	KAB
2130	11850g:11980g	KSDA	GUAM	7/4	IC
2130-2159	11650e	R Sweden	SWEDEN	19/4	RFK
2140	15665f	WSCN	USA	8/4	PSB
2145	15110g	CRI	CHINA	7/4	IC
2145	15185g	HCJB	ECUADOR	7/4	IC
2200	7230f	?	YUGOSLAVIA	22/4	PSB
2200	15605p	D/Welle	GERMANY	20/4	RFK
2200-2230	11920e	RCI	CANADA	8/4	RFK
2230	15605g	D/Welle	GERMANY	7/4	IC



dxissimo

Compiled by John Durham, Tauranga



CHILE

R. Parinacota. 6009.71,0653-0748 Apr 23. Nice selection of ranchera and ballad music until 0725 when a M began with a long dialog. Several Ids in the top half hour, but nothing after 0735. Getting quite strong, but requires LSB with good filters as Mil is on 6010.01 and another unid LA on 6010.21 (likely Inconfidencia but no ID) (Don Nelson, OR, April 23, WOR 1179, DXLD)

COLOMBIA

La Voz de tu Conciencia. Russell Martin Stendal, manager of La Voz de tu Conciencia, operating on 6010, from Lomalinda, Meta, writes in an email: "We are currently proceeding with the paper work to license 5910 as Our alternative short wave frequency. I expect to be conducting a test for 48 or 72 hours in a month or so. This alternate frequency will be used for programming in EE beames to Nth America during local night time hours. (Henrik Klemetz, May3, DXLD)

Alcaravan Radio, Puerto Lleras. April 2003 — 1045 UTC. With a program called "Despertar campesino". "Alcaravan Radio" Ids mentioning three frequencies MW 1530 SW 6010 and FM 88.8 MHz. 1100 UTC the Colombian National Anthem and ID: "Estan en sintonia del sistema Alcaravan Radio". (Bjorn Malm, Ecuador, SW Bullentin May 4, translated by editor Thomas Nilsson for DXLD)

CONGO

Radio Congo was heard here with excellent signals on 4765 and 5985, this was around 1815 But when checked again at 1830 the 60 meter band was silent. The 49 metres frequency is clear until 1855. Other strong ones were BURKINA FASO 5030 and UGANDA 4976 and 5026.73 (Jarmo Patala, Hyvinkaa, Finland via DXLD)

CONGO DR

RTNC Congo-Kinchasa. 6828.37 Bunia, noted sporadically on steady frequency recently, mainly between 1600 and 1800 UTC, seems to s/off normally sometime after 1800. But noted on Apr 8 past 2100, obviously with an extended program (soccer match with political analyses at the half-time) and on Apr 21 at 0450-0510 fadeout. Whenever I listened the program was in French, so this language is probably used most of the time. Reasonable signal here, I would say at least 1kw, possibly more, (Vaclav Korinek, RSA, DX-plorer via DXLD)

GREENLAND

KNR. Due to a report from Italy that KNR in Greenland was heard on 75mb freq. 3947kHz. I contacted the chief engineer at KNR and he also contacted the Tele Administration. They confirmed Stig Neilsens previous report. KNR pays for the Txions on 3815kHz USB with 100w from Tasillaq (Angmagsslik on the East coast — probaly from there coast station which operates

on several SW freqs.

The Danish text on the attached.htm file reads:"We bc on 3815 at 1505-1605 and 2125-2225 UTC

The purpose of the txions is not bc,but only to supply the fishing fleet on Dohrns Bar and the Irminger Sea

(both located between Tasilag and Iceland). (Erik Koie-Den ,BC-DX Jan 21/Jan/24BC-DX/ Bueschel-D via NASWA Journal March 2003)

MEXICO

XEQM 6105 Candela FM. Reactivated,apparently via XEQM transmitter.Heard from 0842 Apr 20 with program of romantic and pop SP vocals.Many brief "Candela" Ids and promos,bigger Id at 0903 "Transmite las 24 horas XEMH,970 en Merida Yucutan Candela Canedla".Still going a 1000

Not heard on checks at various times the previous few days.(Jerry Berg,MA NASWA Flashsheet via DXLD)

PARAGUAY

Radio America 7370kHz on air 24 hrs a day.Power 1000w. 15185kHz on air 24 hrs a day. Power

200w. Please send reception reports to: radioamerica@lycos.com (Arnaldo Slaen via HCDX)

SOMALIA

Radio Banaadir. Mogadishu. 1600-1900 daily 7002v

Radio Baydhabo. Baidoa 1500-1800 daily 6810v

Radio Hargeisa. Hargeisa.0400-0600.0900-1200.1500-2000. Daily 7530v

Radio Galkayo.Galkayo.1000-1215.1600-1715. Daily 6985v and low power realy in Boosaa on 9615v

Radio Kismaayo.Kismaayo. inactive - operated on 6900v in the past. (BDXC website via DXLD)

REE (Radio Exterior De Espana) QSL Policy

In a letter to League member Ron Killick of Christchurch recently REE (Radio Exterior De Espana) advises.

Dear Mr Killick,

We have received your reception report and we regret to inform you that from January 2003 Radio Exterlor de Espana has cancelled temporarily the reception report verification service. REE will not issue QSL cards until this service is re-established, but we will be glad to answer any DX related letter and request.

Yours sincerely

Pilar Salvador

Relaciones con la audiencia REE.



RADIO EXTERIOR DE ESPAÑA

AFRICA:

African shortwave stations audible on SAO TOME E PRINCIPE islands. During my DX-pedition to these two islands on March 3-16, 2003, I was able to hear the following domestic SW stns from countries south of Sahara, plus international bcers on the tropical bands. Nearly all of them were heard during the 12 hours long nights: 3200 SWZ TWR, Mpangela Ranch 3240 SWZ TWR, Mpangela Ranch 3255 AFS BBC World Service, Meyerton 3320 AFS SABC, Meyerton 3326 NIG R Nigeria, Lagos 3366 GHA GBC, Accra 4760 LBR ELWA, Monrovia 4765 COG R Congo, Brazzaville 4770 NIG R Nigeria, Kaduna 4775 SWZ TWR, Mpangela Ranch 4784 MLI Rdif. TV Malienne, Bamako 4800 LSO LNBS, Lancers Gap 4815 BFA Rdif TV Burkina, Ouagadougou 4820 BOT R Botswana, Sebele 4835 MLI Rdif. TV Malienne, Bamako 4845 MTN R Mauritanie, Nouakchott 4890 GAB R France Internationale, Moyabi 4915 GHA GBC Accra 4950 AGL R Nacional de Angola, 4950 STP VOA via Pinheira 4960 STP VOA via Pinheira 4965 ZMB Christian Voice, Lusaka 4976 UGA R Uganda, Kampala 5010 MDG R TV Malagasy, Antananarivo 5025 BEN ORTB, R Regionale, Parakou 5026 UGA R Uganda, Kampala 5030 BFA Rdif TV Burkina, Ouagadougou 5047 TGO Rdif. Togolaise, Togblekope, 5100 LBR Liberian Communications Network 5960 AFS AWR, Meyerton 5990 ETH R Ethiopia, Gedja 5995 MLI Rdif TV Malienne, Bamako 6015 AFS AWR, Meyerton 6015 TZA R Tanzania Zanzibar, Dole 6025 NIG FRCN, Enugu 6030 ZAI R Okapi, Kinshasa 6050 NIG Ibadan National St., Ibadan 6055 RRW R Rwanda, Kigali 6060 NMB NBC-2, Windhoek 6065 ZMB Christian Voice, Lusaka 6090 NIG R Nigeria, Kaduna 6095 AFS AWR, Meyerton 6130 GHA GBC, Accra 6145 CLA Short Wave R Africa, Meyerton(?) 6165 TCD Rdif. Nat. Tchadienne, N'Djamena 6165 ZMB ZNBC, Lusaka 6210 ETH R Fana, Addis Ababa 6249 GNE R Nacional de Guinea Ecuatorial, Malabo 6350 ETH Voice of the Tigray Revolution, Mek'ele 6350 CLA Voice of Peace & Democracy of Eritrea 6715 CNR Full Gospel Las Palmas Church 6940 ETH R Fana, Addis Ababa 7100 ERI Voice of the Broad Masses, Asmara 7110 ETH R Ethiopia, Gedja 7120 CLA Voice of the People, Talata/Volondry 7125 GUI Rdif. TV Guineenne, Conakry 7175 ERI Voice of the Broad Masses, Asmara 7185 AFS SABC, Meyerton 7200 SDN Sudan National Broadc.Co., Omdurman 7210 BEN ORTB, R Benin, Cotonou 7215 CLA Voice of the People, Talata/Volondry 7217 AGL R Nacional de Angola, Mulenvos, Luanda 7220 CAF R TV Centrafricaine, Bangui 7230 BFA Rdif TV Burkina, Ouagadougou 7245 MTN R Mauritanie, Nouakchott 7255 NIG Voice of Nigeria, Lagos 7285 MLI Rdif.TV Malienne, Bamako 9550 ZAI R Okapi, Kinshasa 9580 GAB Africa No.1, Moyabi 9610 COG R Congo, Brazzaville 9634 MLI Rdif.TV Malienne, Bamako 9650 AFS SABC, Meyerton 9704 ETH R Ethiopia, Gedja 9705 NGR La Voix du Sahel, Niamey 9865 ZMB Christian Voice, Lusaka 11690 ZAI R Okapi, Kinshasa 11955 AGL R Nacional de Angola, Mulenvos, Luanda 11960 MLI Rdif.TV Malienne, Bamako 15475 GAB Africa No. 1, Moyabi 17630 GAB Africa No. 1, Moyabi (Anker Petersen-DEN, dswci DXW April 10) ALBANIA 9539.88 R.Tirana at 2129-2135 UT, 24332 English IS and ID.
(Hiroshi Tokusa-JPN, JPNpremium Mar 31) (WWDXC)

Plenty of scope there for those chasing Africans. Go to it. (ED)

ECUADOR:

HCJB English to Europe and North America to end on 31st May

Curt Cole, Latin American area director of HCJB, announced on the DX Partyline this weekend that the station is to end its English transmissions to Europe and North America from Ecuador on 31st May 2003. The decision, taken last week, reflects a change in strategy for HCJB World Radio. The organisation has become regionalized, and with the opening of the new transmission facility in Kunnunurra, Australia, some English transmissions have already been moved away from Ecuador. The mission in Quito now plans to focus on the Latin American region itself. Financial considerations, while not the primary reason for the decision, did play a role. HCJB says surveys have shown a decline in shortwave listening in Europe and North America over the past decade. (**Radio Netherlands Media Network.**) (*See page 7 of this magazine for Breaking news re DX Partyline. Chief Ed*)

Major changes at HCJB were announced on "DX Partyline." (1) HCJB will end their EG b/cs to Europe and N.Am on "May 31" (last EG xmsn to N.Am will actually end at 0600 June 1). (2) They are not sure about the morning [presently 1100-1400] EG xmsn to "the Americas." It may be cut back. (3) Although budget factors play a part, the primary reason behind the changes is to permit them to focus on their L.Am ministries (SP, PT, Quechua, although b/cs in those langs. may be reduced as well, as xmtr time must be cut back). (4) This was the product of a "Ministry Audit" and the need to re-evaluate the role of SW and its cost vs. other aspects of their operation, such as local stns, repeaters, satellite, the web, partnering with local churches, etc. Training local staff is also a priority. (5) The proposed move of the xmtr site as a result of the planned airport construction near Pifo is dead. They will keep the property, and there is a possibility that they may expand to multiple sites, including possibly Brazil. (6) May 31 will be the final DXPL prgm. -- After DXPL, the two hostesses of "Saludos Amigos" and that they would be leaving as well; no other details mentioned. (**Berg-MA**)

ERITREA/CANADA:

Canadian-based Christian group plans broadcasts to Eritrea

The Canadian-based Christian organisation The Voice of the Martyrs says that, starting this summer, it will be broadcasting a radio programme into

Eritrea specifically to encourage persecuted Christians in the east African nation. Current plans are for half of the programme to consist of dramatic readings from VOM's best-selling book, "Jesus Freaks" in the Tigringa language. Two years ago, The Voice of the Martyrs published "Jesus Freaks" in Amharic, the main language of neighbouring Ethiopia. Said Glenn Penner, Communications Director of The Voice of the Martyrs, "Persecuted Christians in Ethiopia have found 'Jesus Freaks' to be an incredible source of encouragement. Sharing a common culture and similar persecution, we have been assured by believers from the area that these testimonies will have a similar impact in Eritrea. Eritreans are avid radio listeners and we are convinced that this is the proper strategy for this increasingly 'closed' nation."

The Voice of the Martyrs was founded in the mid-1960's by Pastor Richard Wurmbrand, who was imprisoned and tortured by Communist authorities in his native Romania for fourteen years. While still in prison, Pastor Wurmbrand envisioned a ministry that would focus on the plight of the Persecuted Church, raise a voice on their behalf, and provide encouragement and assistance to them. (**Radio Netherlands Media Network.**)

GERMANY:

Sender Freies Berlin becomes history

On 1 May 2003, Sender Freies Berlin will cease to exist after almost half a century. The station, which began broadcasting western programmes into the former German Democratic Republic in 1954, is merging with Ostdeutschen Rundfunk Brandenburg to form a new broadcasting organisation called Rundfunk Berlin-Brandenburg (RBB). In the short term, nothing much will change apart from the name and logos of the two stations. But full integration is planned for further down the line, and that could lead to significant job losses. For the moment, especially since a Director has not yet been appointed for RBB, it's business as usual.

© Radio Netherlands Media Network.

JAPAN:

World Radio Japan in Japanese still has additional ME Middle east war time EXTRA service: Broadcast time(UTC) Frequency(kHz) Transmission station 0000-0200 6025 Rampisham-UK 0200-0400 9570 Rampisham 0400-1200 15480 Dhabayya-UAE 1200-1400 15165 Rampisham 1400-1800 17860 Rampisham 1800-2200 6115 Dhabayya 2200-0000 6015 Dhabayya. NHK WORLD Homepage - <<http://www.nhk.or.jp/nhkworld>> **(VIA WWDXC)**

NEW ZEALAND:

As from Sunday April 20th, R NZ. International will replace 11825 by 11820 kHz in the 0506-0705 UTC portion, due to co-channel interference of VOA Tangier-MOROCCO. **(WWDXC)**

USA/LIBERIA.

Latest Missionary Radio Update

WJIE International Shortwave Apr 9, 2003

This is our latest update, and what great news to share with you!

First, our second transmitter WJIE-2, is ON THE AIR! This transmitter is the twin of our 7.490 Mhz transmitter in Upton, KY, and we have been struggling with it for nearly six months. Thanks to the hard work of our engineer Larry Baysinger, and our ministry representative Morgan Freeman, we have finally achieved a stable signal on this 50,000 watt unit. This second transmitter is operating on 13.595 Mhz, so we are asking for QSLs (reception reports) from around the globe! We are currently simulcasting our broadcast on both transmitters, but we hope by the middle of May to split the two signals and operate each independently.

Second, our shortwave transmitter in Liberia is ON THE AIR! Today we performed our final system check, turned on the air conditioner, and fired up THE VOICE OF LIBERTY! This transmitter is directed right to the HEART of the Islamic world, piercing through the Muslim veil in northern Africa and into the Middle East. We have a long way to go this project, so we are currently simulcasting our Voice of Liberty FM in Monrovia, Liberia on this new shortwave station. Hopefully by the middle of June, this will also be operating independently, and you will be able to air your broadcast on this powerful NEW shortwave station! **(WJIE newsletter)**

USA:

Fundamental Broadcasting Network. (FBN) are operating on shortwave 24 hours. WBOH on 5920 and WTJC on 9370. Address for reports is: 520 Roberts Road, Newport. NC. 28570. E-mail fbn@clis.com (FBN)

LATIN CORNER:

PERU:

Chris Gardner, KC4WHY, manager of Radio Macedonia, in Arequipa, 4890 kHz, says they are using a 1 kW transmitter made by HCJB in Ecuador. The antenna is located in one of the higher parts of the city of Arequipa, called Zamacola, at an altitude of 8,500 feet above sea level. The antenna is a dipole 10 meters off the ground.

"In the next couple of months we are hoping to install a lazy H antenna and that will supposedly help the transmission quite a bit. We will be trying to get better programming on the air as soon as possible. (DXING INFO)

Radio Macedonia has been heard here in New Zealand on April 29 at 0825 mixing with PNG, and again on April 30 in the clear at 1005 with no sign of PNG. No IDs heard but I did send a detailed programme description to the station and here is their reply: (ED)

Ian,

Thanks for writing. That WAS our radio station Radio Macedonia, we are undergoing repair work on the antenna and over the next three months things ought to increase quite a bit. Thanks for listening and stay tuned for more.

Chris and Andria Gardner. www.uttermost.net

e-mail gardner@uttermost.net Casilla 1677, Arequipa, Peru.

FEATURED FREQUENCY:

This month it's 9610KHZ. See how many of these you are able to hear and identify.

Time.	Station.	Country.	Days.	Language.	Power.	Site
0000-2359	Radio Ukraine International	Ukraine	1234567	UKR/E/G	100	Kiev
0200-0230	Merlin Network One	United Kingdom	1234567	Unknown	250	Dhabayya
0200-0300	China Radio International	China	1234567	Unknown	50	Beijing
0245-0330	BBC Worldservice	United Kingdom	1234567	Unknown	250	Mahe, Seychelles
0300-0400	China Radio International	China	1234567	Unknown	50	Beijing
0525-0600	BBC Worldservice	United Kingdom	1234567	Unknown	250	Ascension
0600-0630	BBC Worldservice	United Kingdom	1234567	Unknown	250	Ascension
0700-0800	China Radio International	China	1234567	Unknown	50	Beijing
1000-1100	China Radio International	China	1234567	Unknown	50	Beijing
1200-1300	China Radio International	China	1234567	Unknown	50	Beijing
1300-1700	China Radio International	China	1234567	Unknown	50	Beijing
1530-1630	Islamic Republic of Iran Broadcasting	Iran (Islamic Rep. of)	1234567	ENGLISH	500	Sirjan
1730-1830	Islamic Republic of Iran Broadcasting	Iran (Islamic Rep. of)	1234567	BOSSNI*	500	Kamalabad
1830-1930	Islamic Republic of Iran Broadcasting	Iran (Islamic Rep. of)	1234567	ALBANI	500	Kamalabad
2100-2130	China Radio International	China	1234567	Unknown	500	Urumqi
2200-2355	Deutsche Welle	Sri Lanka	1234567	GERMAN	250	Trincomalee (Perkara)



Marine Radio

Web addresses

www.coastalradio.greater-peterborough.com lists coastal radio stations round the world.

www.itu.int/cgi-bin/htsh/mars/ship_search.sh lists ship call signs.

www.pwthompson.geffreeinternet.co.uk/Shipsearch.htm

Aeronautical Radio

A supplement to the Timaru Herald devotes a great amount of news to Richard Pearse who has been reported as the first man to fly. Gordon Ogilvie, author of the book The Riddle of Richard Pearse: writes that there is evidence that Pearse became airborne on a number of occasions but these usually ended in prangs.

Pearse himself wrote that he never managed to fly properly and that his efforts were more properly described as powered take offs.

Air Canada have taken possession of an Airbus A340-500 which entered service last month (April). The aircraft may be used for a Sydney to Vancouver non-stop service with onward connection to Europe (**Australian Aviation**)

With the decommissioning of Concorde aircraft there has been a suggestion from Sir Richard Branson that there might be a bid from a private airline to take over the Concorde's role in supersonic flight. If Virgin Airways became the operator the plan would be to introduce a standard class fare. Branson said that the aircraft was extremely profitable having made British Airways something like three quarters of a billion pounds. (**BBC Com**)

3195	0758	DOC stations Zero 5 and Zero 3 re water pump problems. PC
3372	0730	MT base Taupo to MT 3 re medical supplies. PC
3895	1913	Rally NZ. ZLIEFH, ZLIESH. Dipole check use 6825 repeater and this one for results. NM
4057	0244	NZX longliners comparing catches and water temps. PC
4355	0453	Trawlers re plans and catches. Will keep dragging to 7.30. PC
4417	0911	Academic Shikowski to Bluff Fishermens Radio with met report posn 51 40S 169 08E. ETA Campbell Island 2am tomorrow. PC
5254	0817	ZKG60 base Mangaweka to field re poor aerial service with thoughts of changing operators. PC
5407	2100	Civil Defence ZKS 51 Greymouth to Motueka. PC
5643	0944	Brisbane/Global 1 estimate NATLI on the hour TESAT next. MJ
5643	1001	Brisbane/LH 8400 SC ADJQ (Lufthansa Cargo) MJ
5643	1025	Auckland/Argentina 1182 Posn 5750S 131W FL 360. MJ
5643	1139	San Francisco/Air Canada 33 estimate AMBER 1055, AIREE next SC ACRS. MJ

5643 1139 Auckland/Hawaiian 446 LAKER 1133 BUDRA next. MJ
5680 0625 Iroquois 07 to Levin base. Have replaced battery on channel 3 repeater and request Levin carry out test. PC
5680 0355 Tuai base, Tuai teams, Maraenui base and Auckland base. Bush rescue operation. Chopper overflowed lost party but failed to see them. Chopper to go airborne again after refuelling, then ring lost party in a cellphone number to be directed in. PC
5680 0100 AC1 to Auckland base with lengthy discussion about comms problems with Tuai base. Auckland and Hastings having to almost always relay for Tuai during operations. QRM probably the problem. PC
5702 2103 West Coast Glaciers aero company pilot reporting cloudy/mist conditions over the glaciers back to Franz base. PC
7848 0750 ZL2CO1 Auckland and Jeff from ZLJG Wellington mountain radio re prank phone patch 5680 calls. PC
8825 1023 New York/DSR 9089 (Dairo Air Services Uganda). NM
8825 1010 New York/KLM 742 posn 25N 050W at 1007 FL 350, 39 N 045 W at 1049, 24N 040 W next. MJ
8867 0442 Tahiti/Army 501 calling but no response (female pilot/co pilot possibly AUS/NZ). MJ
8879 1004 Gander/Air France Concorde 4002 SC HLF, FL 510. At 50 W call Gander on 122.37. NM
8879 1045 Gander/Speedbird 85 SC GJFS. NM
8879 1050 Shanwick/Gander. Anything eastbound in Vector C ? NM
8891 0930 Arctic Radio/Japan 6433. SC GHBK. NM
8903 0907 Tokyo/Air NZ 90. SC OK. MJ
8906 0521 Santa Maria/South African 201. FL 360 Mach .86 , 25 N 35 W at 0609. MJ
8974 0621 Air Force Sydney/Kiwi 301 with TAF for Richmond. MJ
8974 0929 Air Force Townsville/Shepherd 60 Request close watch. Ops normal. MJ
8974 1058 Qantas 599/Air Force Sydney. You are coming through very distorted. MJ
8992 0820 Hickham/Reach 5EI, 9 pax inc 2 couriers, 25 44 S 173.31 E. MJ
9013 0629 Possibly Aero Mexico LDOC in Spanish with SC check. MJ (Frequency listed as Aero Lineas Argentina LDOC ED)
9031 0601 Architect/Ascot 6782 departed EGVN (Brize Norton) 0535 estimating 15 E at 0815, LCRA (Larnaca) 1015. SC KPD (C 17 aircraft). MJ
11175 0619 Hickham/Reach 257 Y. We are diverting you to Kuwait with your emergency. MJ
11175 0703 Mainsail this is Reach 4022 for Radio check. MJ
11175 0906 Lajes/Reach 905Y with Wx for unid airfield. MJ
11175 0910 Lajes/Reach 687T Request phone patch to DSS 4835838. MJ
11300 0535 Air France 6537/Tripoli GS at 0535 ARUDA 0558. MJ
11342 0818 San Francisco/World 508 PP Ops Medlink. 72 yr old female pax with racing heart. Request paramedics on arrival. NM
11345 1915 Stockholm/ALG SC FSDQ ETA LIRF (Roma/Fiumicino 2302. 7 POB. NM
13245 1155 Unid/Diego Garcia. Confirm number of engines shut down. Only No 4. We need all emergency crews on arrival. Can you confirm in or out between 1340 and 1400. NM

13342 1234 Stockholm Radio/G-VSHY (only heard Stockholm). MJ
21985 0245 Boeing N229NY estimate PKMJ 0438 (Majuro, Marshall Islands. MJ

Contributors

PC Peter Chambers Napier - Drake R9A and inverted Vee Dipole
MJ Mike Jackson AR 3000 and 13 mhz dipole
NM Neville McKenty Napier NRD 545, Icom R 70 and various antennas

adcom.news@radiodx.com

Compiled by Bryan Clark, Auckland



WELCOME TO NEW & REJOINING MEMBERS **RICHARD STANLEY**, 26 Lavelle Road, Henderson, Auckland, **NOEL JONES**, 50a May Road, Mount Roskill, Auckland, and **GEORGE WALLS**, 387 Wortley Road, RD9 Inglewood, Taranaki. Noel was previously a member in 1999, and is well known in Utility DX circles. Welcome gentlemen — we hope that you will contribute details of your radio listening to our various columns!

END OF AN ERA Possibly the best known New Zealand street address in SWL/DX circles has lost that link after more than 55 years. On 17 April, **RALDA CUSHEN** moved from 212 Earn Street, Invercargill to a retirement village. Ralda grew up in Earn Street, and married **ARTHUR CUSHEN** who lived at the other end of Earn Street in 1946, at the Methodist Church in Earn Street. Soon after, Arthur and Ralda moved into their new home at 212 Earn Street, Invercargill, next door to Arthur's parents. When Arthur died in 1997, Ralda stayed on in the house but it has now been sold to a young family. We visited Ralda at Easter as she was settling into her new warm and cosy unit. She sends greetings to everyone in the DX League. For those readers wishing to contact Ralda, her new address is Unit 10, Rose Lodge Village, 129 Tweed Street, Invercargill.

ANOTHER ERA ENDING THIS MONTH For many SWLs and DXers, pioneer missionary broadcaster HCJB The Voice of the Andes from Quito Ecuador is synonymous with shortwave, dating back to its beginnings on Christmas Day 1931 with a 200 watt transmitter in a renovated sheep shed. For your scribe, HCJB was my first reception report and my first QSL. There have been many links between New Zealand and HCJB over the years, with volunteer staff including former League members **BRENT ALLRED** and **DAVID YETMAN**. Now comes the announcement from HCJB that "DX Partyline" will cease this month, along with most English language transmissions. Since the demise of "Sweden Calling DXers" and Radio Netherlands "Media Network", DX Partyline is probably the longest running programme on shortwave dedicated to DXers and SWLs, dating back to 1962. If you've enjoyed this and other HCJB English programming over the years, why not drop them a note of thanks — email to info@hcjb.org or snail mail to P.O. Box 691, Quito, Ecuador.

THANK YOU to long-time member **ROSS GIBSON** for responding to last month's request from a Ukrainian DXer for a copy of **ARTHUR CUSHEN's** 'Radio Listeners Guide. For his efforts,

Ross now has a 2 CD collection of 91 interval signals produced by Deutsche Welle.

DOWN MEMORY LANE Auckland member **DOUG GIDDENS** recalls joining the NZ DX Club on 26 November 1937 and he still has his membership certificate showing his station DX number as 608A. Back in 1937 the club president was **C.A.COX** and secretary **K.P. MURPHY**. Doug is very pleased to have recently bought a modern receiver — the Sony ICF2010. At 84 years of age, he is still enjoying his DX listening and sending out reports. Yes, it's certainly a hobby that lasts, Doug. We have a lot of members with continuous subscriptions since the 60s and 70s.

POWER ACROSS THE PACIFIC This is the headline of a feature on the Internet website of the Auckland Radio Trust and World Service NZ, encouraging feedback from overseas listeners to their signal on 1476 AM — carrying BBC World Service programmes 24 hours a day. The website states that “the transmitter at Puketutu Island in the Manukau Harbour was built by Blythe Radio Systems of New Brighton, Christchurch. It is licenced for 48.0 Max dbw which covers much of New Zealand, and North and East into the Pacific Ocean, with the primary coverage area being the North Island from Taupo northwards. The aerial system consists of two masts built at sea level which give directional properties to the signal and were originally used for Radio Hauraki when the offshore station was licensed for operating on land. Amongst the many listeners overseas to World Service NZ on 1476 AM are the crew of the cargo vessel “Baltimar Boreas” which runs from Auckland to Noumea in New Caledonia and the Fiji Islands. The station also has listeners in Rarotonga in the Southern Cook Islands group, and has had reports of the station being heard in Japan.” The website also says that correspondence from listeners outside of New Zealand is welcomed. Recently agreement was reached for links between the site (<http://www.worldservice.co.nz/>) and the DX League's website (www.radiodx.com).

RADIO RATINGS GAP Commercial radio operators in NZ make much of the audience ratings, but since these only detail the networks and stations subscribing, plus exclude non-commercial radio (Radio NZ's National Programme and Concert FM), Access Radio operations plus the Rhema Broadcasting Network (Radio Rhema, Southern Star and Life FM) which does carry commercials, it is difficult to measure overall listening trends from the published ratings. In the Auckland listener ratings released on 18 April, unnamed 'other commercial stations' account for 20.9% of listeners, in Northland the figure is 15.8%, Rotorua 10.8%, Wellington 8.6%, and in Christchurch 9.1%. The Auckland figure is intriguing as there are 16 commercial stations participating in the ratings and the other commercial stations not officially participating in the radio surveys include The Beach (Waiheke Island) 90.6 FM, Counties Manukau Radio 95.8FM and 936AM, 531PI, Waatea 603, BBC Chinese 990, Tarana 1386, BBC World Service 1476 and Radio Samoa 1593.

GRUNDIG

GRUNDIG BANKRUPT BUT SHORTWAVE RADIOS SURVIVE According to **KIM ANDREW ELLIOTT** of the Voice of America, the recent bankruptcy of German electronics company Grundig won't affect the manufacturing and sales of Grundig shortwave radios. The radios are built in China and marketed under the Grundig name by Eton Corporation of Palo Alto, California.

Eton pays Grundig a royalty to use the famous Grundig name. Though famous for the radios it used to manufacture, Grundig in Germany now concentrates on televisions and other larger electronics products for the European market. Esmail Hozour, president of Eton, told Kim that sales for the financial year to 31 March 2003 were 78% ahead of the previous year. Increased interest in shortwave during the lead-up to the Iraq war was a factor in this increase. Sales may be further boosted by the introduction later this year of the Grundig Satellite 900 receiver. Mr. Hozour said the Satellite 900 will be "XM compatible," meaning that it will be able to receive the channels of XM Satellite radio in addition to shortwave, medium wave, and FM. Information about Grundig shortwave radios is available at www.grundigradio.com (via Radio Netherlands Media Network April 2003)

tv.fm@radiodx.com

Compiled by Adam Claydon, Te Kuiti



Hi all! Winter has finally arrived! Let's get into this month's news.

April has been an "interesting" month for Micro FM observers in the Wellington area.

Munt FM (Massey University Wellington) changed frequency several times during the month, sometimes operating out-of-band, contrary to the current MED Low Power FM GURL (General User Radio Licence), and sometimes landing on top of, or next to, existing stations. At the time of writing (2nd of May), Munt has been on 88.7 MHz for a few days (also contrary to the current GURL).

George FM Wellington 107.4 closed-down abruptly during the month. 107.4 MHz is currently a 25 milliwatt frequency, but George could be heard several hundred kilohertz either side of this in Wellington, and had a strong signal in the Hutt Valley, 12 km from its Wellington transmitter location. In comparison with the strength of other Wellington stations, George appeared to be running considerably more than the permitted 25 milliwatts e.i.r.p.

Thorndon FM also moved out-of-band for a while, to 88.5 MHz, then back in-band to 107.2 MHz, before moving back to 88.3 MHz, where it started.

The other Micro FM stations seem to have been concentrating on more mundane activities, such as grooming their programming and building their audience share.

Andrew Dyke (MED) released a draft of the new GURL, on the 30th of April, which takes effect on the 1st of July. The draft GURL listed additional frequencies above 88.4 MHz and above 107.3 MHz, and permitted a small power increase to 500 mW e.i.r.p. With a dipole antenna having about 2 dB gain over an isotropic (the "i" in e.i.r.p.) antenna, the maximum permitted transmitter power will be about 300 milliwatts, under the new GURL. A new clause has been added to the GURL, restricting the transmitter location to within 100 metres of the studio location. (*Doug Ingham, Lower Hutt*)

Groove 88.4FM is gone Almost exactly a year after moving our studio and transmitter we are doing it again, this time finally gaining the citywide coverage we have been hoping for all along. Due to some teething problems we are currently not on-air but hope to have a test transmission on our brand new frequency, 107.7FM within a couple of days. The good news is that this is the best location for the transmitter so far and we will be increasing the power a bit too so there should be good coverage along the Hutt Rd, through the central city and out to Island Bay. Unfortunately we didn't get much of a chance to get the word out

before shutting down 88.4FM so *please* spread the word! *Groove 107.7FM - 'Top of the dial'* (NZ's only Cafe style radio station) Our phone number is 385 6995. Postal: PO Box 10989, The Terrace, Wellington (*via David Ricquish, Wellington*)

TI Radio Ratings Complete Survey results for the five metropolitan markets have been completed, providing plenty of food for thought station managers and staff. The anticipated surge for Newstalk ZB created by the war in Iraq did not eventuate... The Edge made a solid debut in Auckland - but seemingly at the expense of More FM and Mai rather than ZM as predicted... the impact of new public radio network Niu FM seems to be significant (though they are not listed, making it difficult to know just how influential they have been)... **Classic Hits had a strong round of results**, including taking over the mantle as the #1 music station in Auckland. (*Median Strip April 25*)

Radio Award Winners Named The 2003 NZ Radio Awards were handed out on Saturday night. Among the major individual winners, Robert Scott beat some tough competition to take out Best Individual Air Personality and Best Non-Breakfast Music Personality for his show on Solid Gold. KCC FM's Mereana Faulkner was named Programmer of The Year, while TRN's news/sport staff were well represented with Best Newsreader (Niva Retimanu), Best Sports Presenter (Martin Devlin) and Best New Broadcaster (ZB's Torben Akel). In the Station categories, More FM Auckland was yet again judged Metropolitan Station of the Year, 2XS was Regional Station of the Year and Fifeshire FM picked up Provincial Station of the Year. Long-time Classic Hits Tauranga breakfast man Brian Kelly was presented with the Outstanding Contribution to Radio honour. (*Median Strip May 12*)

Brian Palamountain loggings for 20 March 2003

- 90.8 90FM, Rahoitu
- 92.4 Energy FM, Rahoitu
- 93.8 Radio Pacific, Wharite, Palmerston North
- 97.9 98FM Oldies, Whangamata
- 103.5 Fine Music Network, Brisbane
- 103.9 4TTT, Townsville
- 104.7 National, Townsville
- 105.9 Fine Music Network, Cairns
- 106.1 Fine Music Network, Brisbane

Receiver: Sony ICF2001, Telescopic Aerial

Mainland FM frequencies

- 107.3 Real FM — 88.1 Mainland FM (Golden Bay) — Programmes in tandem
- 107.0 Mainland FM — 88.4 Mainland FM (Nelson) — Programmes in tandem
- 106.7 Top of South
- 100.6 G-FM (No longer on air, studio closed down)

I visited Mainland TV and spoke with the manager Gary Watson. He was most obliging and gave me a printout of Nelson TV channels. Also kindly took the time to show me around the studio and control room. A very interesting visit. (*Brian Palamountain, Atawhai, Nelson*)



Greetings all! Next month we welcome back Laurie Boyer after a break, as mailbag host. Hope you've found the lower freqs as responsive as I have as just over the first weeks of May, the Latins and Africans have picked up strength nicely.

Ron Killick, Christchurch, is first up with replies from HCJB Kununurra 15480; RDP Lisbon 9755; RCI Al Dhabayya 9805, 12015, Horby 13840, Sackville 11920; V of Russia Komsomolsk 17665, Khabarovsk 15275, St Petersburg 11820; RN 9790 (though 9785 was reported); R Japan 17560; R Denmark 7180; BFBS Tashkent (?) 13720, St Petersburg (?) 5945; DW Kigali 11805, Irkutsk 9770; AWR Meyerton 15105; RVI Krasnodar 7465; R Taipei Int, Okeechobee 9355; VoVN 5955. All cards usual scenes or aerial farms, VoVN is a new card, standard map on reverse, with VN design lightly on face in grey and full details with VOV logo in centre. (Tiwai — well, MW was so good SW hardly got a look in). Now, for some reason I "misplaced" Ron's April QSL list so here's part 2: RN Sackville 5965; CRI Kunming 11760; R Sweden 9400; R Japan Moyabi 15355; SRI Julich 13790; R Slovakia — R Sobota 13715; DW Nauen 25700; RCI Xian 15150; R Jamahariya (Libya) Issoudun 11635; REE Noblejas 21610; R Taipei Int 7445; HCJB 11895, 12040, Kununurra 11755 & 11770. Sorry mate!

John Durham, Tauranga has replies from Voice of Biafra via Samara 12120, WWRB 5050 via The Powerhour Programme, WBOH 5920 Test B/cast. More to come Burundi soon???

Andrew Sunde, Ohai has collected just 2 QSLs in April - HCJB Australia 11770 and 15480. Oh! Well — plenty more out there to log. Good to meet your Dad and you at Riverton Rocks.

Ian Cattermole, Blenheim, checks in with his usual sack-full: WYFR. 18980, Radio Africa Int. 15435 (EM), RN Bonaire. 9785, Radio Marti. 11990, Radio Thailand. 13780. 9530, Radio Sweden. 11650. 17840, Voz Cristiana. 9635. (EM), RVI Skelton. 13690, KTBN. 7505, BFBS. 5945. 13720, Radio Farda. Kavala. 9510, Biblis 9805. (EM), RN Flevo. 7310. 21735, AIR Chennai. 7270. (EM), Radio Farda. Morocco. 17835, Lampertheim 11985. (EM), RDW Nauen. 21840, RDW Trincomalee. 13605, WBOH. 5920., Voice International. 15165. 17715. 13770. 11685, VOA Lampertheim. 9550, VOA Morocco. 12045., Radio Denmark. 17500. 11845, KTWR. 11690, Radio Africa Int. 15715., Radio Macedonia. 4890. (EM). Funny that, am listenign to Macedonia as I type this!

Ray Crawford, Forestdale, Queensland who will be suffering writers cramp, ESI and OOS after the Easter Dxpedition, has veries from Vlaanderen via Meyerton 17730, AWR via Meyerton 15295, Japan SW Club via Guam 11960 and 11980, Family Radio via Meyerton 3230, DW via Nauen 25740, Vlaanderen via Madagascar 13720.

Jerry Berg, Lexington, MA has the following to boast of:

CLANDESTINE (Biafra). 12125, Voice of Biafra International, full-data E-mail reply from

V/S Chima Osondu for Oct 2001 postal report and a couple of postal and E-mail follow-ups. This came from biafrafoundation.com on the same day as my latest E-follow-up, which I sent separately to biafrafoundation@yahoo.com and oguchi@mbay.net (apparently it is the first address that worked).

CLANDESTINE (Eritrea). 15670, Voice of Democratic Eritrea, full-data paper QSL card, good veri statement, handstamp, personal note about lstng at 1600 LT Saturday on 5925. V/S appears to be same as name in envelope return address, i.e. Neguse Tseggon. Rptd to and rcvd from P.O. Box 1946, 65409 Russelsheim, Germany. Also says 100 kw, 130 degrees Mon-Thu, non-directional to Europe on Sat. In 2 wks. for CD rpt.

"ENGLAND." 6135, BFBS, very nice QSL-card, world map and stn locations on front, date-only veri statement on back. V/S looks like Heidi Becker. In 6 wks. from their UK address for E-mail rpt followed up with CD postal report and \$1.

SEYCHELLES. 11885, FEBA, ancr-at-console card, full data on back, also two stickers and brief note from V/S Doreen Dugasse. In one month for CD rpt. (Berg-MA)

USA. 5920, WBOH, nice blue-gold-white card with Bible passages, full-data veri statement, check boxes for WBOH and WTJC, as applicable. Written in is "Test, 20 kw." V/S A. Robinson. In one wk. for CD report. Different from the card I have from them from 1999.

Paul Ormandy, Oamaru, rewards back from Radio Imperial, El Salvador 17835.1 and BFBS 13720.

Best of the Month:

Under 9MHz: Ian Cattermole with Radio Macedonia, Arequipa, Peru 4890kHz 5kW

Over 9MHz: Paul Ormandy with Radio Imperial, Sonsonate, El Salvador 17835.1kHz 1.5kW

unofficial.radio@radiodx.com

Compiled by Paul Ormandy, Oamaru



Hi all. Well, the biggest development on the unofficial radio scene this month is that Dutch telecom authorities have declared war on pirate radio broadcasters. Dutch pirates are particularly well heard here, especially Radio Alfa Lima, The Borderhunter, Radio Black Arrow etc so it's bad news for us!

This from Alfred, operator of Alfa Lima International: "Lots of pirate radio stations have been taken out by the Dutch Agency Telecom. Score by now in only one month of time is around 50 to 60 stations. The last few that were taken out were stations that transmitted with various powers between 0.1 and 5 kW and were broadcasting on the FM broadcasting bands between 88 and 100 MHz. The last 6 were not transmitting when the raids took place and at one place there was no one at home so they forced their way in.

Spokesmen of AT are determined to clean the Dutch airwaves and say that this action called Etherflits (etherflash) will go on for a year but, if necessary, they will do so for much longer.

Also the Dutch Pirates are organising an action called Tegenflits which means, freely translated into English, opposite-flash and have organised a strike against Etherflits and AT on the

10th of May at Den Haag in the city park Mallieveld.

Due to the AT actions, Alfa Lima International has cleaned out their transmitter room and brought all broadcasting equipment to a secret hiding place as we believe several times there have been people standing on guard at the studios of Alfa Lima International and we can only think of the option that it was AT holding watch.

So No Alfa Lima International in the very near future on those regular frequencies 15070 kc and between 6.2 and 6.3 MHz, but they will come back, that's for sure."

On the clandestine side, Somali stations are very difficult to hear on SW. There is no official governmental broadcaster so thanks to

www.clandestineradio.com, here is a round-up of the broadcasting scene in Somalia:

Radio BANAADIR

Transmitter Site: Mogadishu

Times/UTC	Days	Language	Target	Frequencies/kHz
1600-1900	Daily	Somali	Dom	7002v

Radio BAYDHABO (pro-Rahanwein Resistance Army)

Transmitter Site: Baidoa

1500-1800	Daily	Somali/Rahanwein	Dom	6810v
-----------	-------	------------------	-----	-------

Radio HARGEISA (Voice of the Republic of Somaliland)

Address: Radio Hargeisa, PO Box 14, Hargeisa, Somaliland.

or: Ex-Indian Club, Tima-Cadde, near the Main Street, Hargeisa, Somaliland.

Transmitter Site: Hargeisa.

0400-0600	Daily	Somali	Dom	7530v
-----------	-------	--------	-----	-------

0900-1200	Daily	Somali	Dom	7530v
-----------	-------	--------	-----	-------

1500-2000	Daily	Somali	Dom	7530v (<i>heard in New Zealand</i>)
-----------	-------	--------	-----	---------------------------------------

Radio GALKAYO

Address: Radio Galkayo, Galkayo, Somalia.

Transmitter Site: Galkayo.

1000-1215	Daily	Somali	Dom	6985v 9615v
-----------	-------	--------	-----	-------------

1600-1715	Daily	Somali	Dom	6985v 9615v (<i>heard in New Zealand on 6985v</i>).
-----------	-------	--------	-----	---

Radio KISMAAYO

Transmitter Site: Kismaayo

Note: inactive - operated on 6900v in the past.

(BDXC-UK website via DXLD 3-071)



The equinox has brought an abundance of great listening if you're in the right place at the right time, and with the right receiver (I would add) as illustrated by the loggings at Tiwai recently. To quote Ray Crawford "This was a great week at one of the best DX locations around. It was really good to go back again and spend a few days with some of the best DXers on medium wave in Australasia. Listening on a Drake SPR4 and long wires from 360 to 500 metres long helped along by amplifiers borrowed from Sam Dellit."

MAILBOX

Paul Ormandy sets the pace from Oamaru with loggings of Radio Nacional, Panama 840 & 950, WTNI 1640, KRJO 1680, XETDK 1480, HJDL R. Paisa 1140, WMOB 1360, WKAT 1360, WVOI 1480, WWFE 670, HIRV (pres.) 1330, WMDD 1480, R Santa Maria 1490, R Sawa 990, IRIB Esfahan 837, R Lebanon. Amchit 837, R Thailand, Nan 1368, WJCC 1700, WRDW 1630, WTEL 1480, KVNR 1480, WPTX 1690, KJAL 580, CHIN (tent.) 1540, Thailand 1458, KHCK 1480 and WSCR 670. Yes, my dial was stuck on 1480 a lot of the time!

QSLs are in from WHNZ Miami 1250 and WBT Charlotte NC 1110.

Sutton Burtenshaw, couldn't wait to get to Tiwai - loggings enroute to Tiwai; 2XX, 3YT, 4XD & Puketapu Radio 954. Loggings at Tiwai: WDHP, WTNI, KNRO, KDDZ, KHPY, WTIR, WPTX, KQXX, KRJO KWHN, WKAT, WCNZ, WBT, R Maria Panama 1310, Anguilla 1610, HJJX 770, HJLI 1520, HJQT 1580, CPN Peru 1470, Nacional Chile 1380, R Marti 1180, Santa Maria Ecuador 1490, La Voz Evangelica Honduras 1390, R Modela Guatemala 1490, Paz y Bien Ecuador 1340, R Uno Colombia 1340.

QSLs from Puketapu Radio (hand written and collected personally) and R Maria Panama (e-mail).

Ray Crawford reports: "Had a great time at Tiwai and have heaps of reports to get out." The following logs: Hauraki 1125, 1017, Lite FM 1260, Pacific 738 WDHP 1620, KPHY 1670, KQXX 1700, WTIR 1680, KFSG 1690, WCNZ 1660, KWRU 980, XEMR 1140, XERED 1110, KWHN 1650, KRJO 1680, WTNI 1640, CPN Peru 1470, WWRU 1660, KNUS 1650, KDDZ 1690, KBJD 1650, HJJX 770, Panama 950, R Mundial 1370, WKAT 1360, R Maria Panama 1310, HJLI 1520, L Voz Evangelica 1390, Vision Cristiana 1330, Nacional Peru 1320, HJQT R Mar 1520, R Santa Maria Ecuador 1490, R Mondelo Guatemala 1490, WGIT 1660, WBT 1110, WJCC 1660, HCRT6 R Paz y Bien 1340, WWFE 670, KJAL 580, WPTX 1690, WKSH 1640, Easy i 1593, 1ZU 1512, R Sport 1494, JO 1530, 2XT 765, Ace 990, 1ZW 1170, 6NA 918, 6VA 738. Probably a few others on the tapes to go through. All we need now is the veries to flow in,hi.

David Ricquish, Wellington is up to his antennae in it too !

Logs: National Radio: 2YA 567, 4YW 639, 3YA 675, 1YP 729, 1YZ 819, 1YK/1YX 837, 3YT 918,

1Y 981, 2Y 1071, 2YX 1116, 4YQ 1134, 1YW 1143, 1YR 1188; Southern Star Network: 576, 657, 882, 900, 909, 963, 981, 1026; Radio Waatea 603, Samoan Capital Radio 783, Counties Manukau Radio 936, Radio Hauraki: 1017, 1125; NewstalkZB 1ZE 1215, Solid Gold 1233, Lite FM 1260, Radio Scenicland 3ZW 1287, 2XX 1377, Radio Kidnappers 2XKC 1431, Te Moana AM 1440, BBC 1476, Good Times Classics 1XTR 1521, JO 1530, Easy Listening i 1593; 3RN 621, 5CK 639, 3EE 693, 3LO 774, 3CR 855, 4CC 927, 2NB 999, 5MV 1062, 2NZ 1188, 2GF 1206, 3ML 1467, 4ZR 1476, Radio 2 Melbourne 1629

QSLs in from: National Radio: 2YA 567, 4YW 639, 3YA 675, 1YP 729, 1YZ 819, 1YK/1YX 837, 3YT 918, 1YE 981, 2YE 1071, 2YX 1116, 4YQ 1134, 1YW 1143, 1YR 1188 (all via em); Radio Kidnappers 2XKC 1431 (1kW night), JO 1530 (300w night via em).

This would be my busiest DX month in over 20 years, after checking the NZ list and finding I had only 49% of current stations confirmed. Was also shocked to check the Aussie list and find only 16% of current stations confirmed, despite having 247 in the bag already! Many are now quite tough to hear (using DA systems) and extracting QSLs even more difficult.

It's a long time since I've seen WA/NT logs in the Trail, but for those wanting their first WA, easiest in Wellington is 6SE Esperance on 747, regularly heard under 4QS from about 10pm onwards.

My other main DX target remains 100 from the Pacific, but I'm stalled at 90. With the absence of new AM's in the region, only Hawaiians offer much hope of reaching the century. All DX being done on GE SuperRadio 2 transistor with built in aerial from kitchen table.

Bryan Clark, Auckland had an enjoyable three nights at Tiwai Southland over Easter with the AOR7030+ and a 440 metre beverage antenna and has so far despatched reception reports to: KQXX 1700, WPTX 1690, WTIR 1680, WHKT 1650 and WTNI 1640. More to come next month!

Stu Forsyth, Wellington has **veries in** for R.Canterbury 1017 via Hauraki in Auckland, R.Foveaux 1224, Ranfurly R. 729, R.Maria, Panama 1310 for country no. 44. via e-mail in 2 days!

Reports out to from Tiwai: 7RN 585, WTNI 1640, Caribbean Beacon 1610, HJDL 1140, HJXX 770, WKAT 1360, R.Maria 1310, WBT 1110, WJGR 1320, 3HA 981, ZNS1 Bahamas 1540, R.Paz y Bien, Ecaudor 1340, 7TAB 1008 & 1080, KJAL 580, WHKT 1650, 5TAB 1539, 3WM 1089, 6SE 747, 6VA 783, 6NA 918, Goldfields R. 1440.

DX NEWS

Turk and Caicos Islands:

Super Power 1020 is testing from Grand Turk, Turks and Caicos Islands with new transmitter believed to be 20kW but may be more? Operated as Caribbean Christian Radio, and announcing coverage 'from Montego Bay to Tampa Bay' with test music of the 1960's, 1970's and 1980's. Being heard at 0100 UTC on April 20, so may be on at other times listenable in NZ. Seems to be beamed north but back lobe may reach here. Source:D Ricquish/ Kraig DXLD/McLarnon NRC via DXLD

New Zealand:

- 621 Radio Rhema opens in Whangarei in July. Replaces 96.7 FM which flicks to Life FM format at the same time. Same channel as Rhema Dunedin, but many Rhema's carry individual ad breaks so should be easily ID'd. Watch out for tests.
- 1017 Radio Hauraki, Christchurch now on air.
- 1125 Dunedin is now Radio Hauraki
- 1179 4XE Wanaka now silent.
- 1530 Coast 1530 is new. New format. Address: PO Box 241, Napier. GM: Philip Stephens. Email: philipstephens@radionetwork.co.nz 1kW/.300w
- 1593 Easy Listening i, Christchurch on air now
- 1107 The Ministry of Culture and Heritage is calling for expressions of interest for the non-commercial frequency of 1107 kHz in Wellington.

D. Ricquish

Papua New Guinea:

Papua New Guinea: Radio Eastern Highlands, Goroka 900 2kW is back on air after 2.5 years silence caused by lack of funds. Now carries local commercials and sponsor messages to help pay running costs. Limited hours only: 0700-1200 UTC daily. Source: BBCM/DXLD quoting The National newspaper website.

Note: this should be possible DX target in northern North Island and around Canterbury with a loop at 1100-1200 UTC. NBC 585 (10kW) is sometimes heard here in Wellington around 1200. **D. Ricquish.**

Australia: X Band

Heart n Soul Productions Ltd, 5 Phoenix Street, Castle Hill 2154 Trading name is also a BCB callsign, 2ME. They currently own 57 licences in the extended AM band, and as such, are the largest single owner of such licences in Australia. Recently granted an Australia-wide content licence by the ABA to be used in conjunction with the expanded AM band transmitters.

2ME Sydney 1638 broadcasts in Arabic and English, as a bilingual station targeting Arabic people in NSW. The program is networked to 3ME Melbourne 1647. In 1999 there were plans to extend this to Adelaide.

2ME Address:

Suite 6, 5 Macquarie Street, Parramatta 2150. T: 02 9635 1638

Owner Sid Mehri is also the owner of Hygrade Properties Pty Ltd (see #40) whose frequencies are actually used to carry the 2ME and 3ME program.

Heart n Soul Productions is also the operator of a second format brand, known as Radio 16 NTC, the Country Music Network. The ID is 'The best mix in the country on Radio 16 NTC'.

Radio 16 NTC is currently broadcasting on 1611 Tamworth, 1620 Armidale and New England, 1629 Bathurst and 1701 Sydney. Address: 5 Macquarie Street, Parramatta 2150. T: 02 9899 9633. **(Tim Gaynor MWOZ)**

ABC OFF TIMES: This website is very useful for ABC radio off-air times. It's updated regularly. <http://www.abc.net.au/reception/maintenance.htm> (David Ricquish)

USA X-Band

1640 WTNI MS. Biloxi, QSL letter from Joel Robertson-CE. Mentioned that station is 10/1 KW ND running a Harris DX10 transmitter and a 350 foot tower with a T Network antenna. Address:Mississippi Media WTNI, 1909 East Pass Road, Suite D11, Gulfport MS39507. ABC News " Talk Radio 1640"(Patrick Martin IRCA DXM)

1040 Construction permit for KLHT, Honolulu HI granted 10kw day/ nite
1060 KAHU Hilo, HI back on the air as KHBC. ID "AM1060 K A H U Hilo is now KHBC"

In response to the Article 'The KAHU-KHBC 1060kHz Saga' on page 34 in the April 2003 NZ DX Times, Glen Zeigler a contract engineer on the Island of Hawaii makes a few corrections to the article. (Mark Nicholls -Chief Editor)

Glen responds -I am a contract engineer on the Island of Hawaii. At one point or another I have worked with all of the stations here and have a fair knowledge of the ups and downs of most stations. Incidentally, I knew Alan since about 1980 when he started to go into retirement. Actually I am probably one of a few engineers that didnt get the four letter words (so i have been told). For what Alan was or was not he was respected and therefore won his respect. I have made some notations below based mostly on fact. If you have any questions concerning KHBC thru KPUA today, I probably have the answers. Aloha Glen Zeigler

> The original CP in 1936 was for KWFB on 1210 kHz in Hilo. It actually signed on, after >modification, as KHBC on 1370 kHz with 100 watts on May 1, 1936. Down through the >years it changed ownership and frequencies and finally became KPUA on 970 kHz which >is now on 670 kHz and is owned by New West Broadcasting. Not really the original station any more.

Glen responds - Not quite correct, according to the Hilo Tribune Herald and the FCC Notice - Hilo Tribune Herald and FCC documents from the era (I have copies in front of me for both) KHBC signed on May 1, 1936 on 1400khz @250w. Also the original licensee was Hawaiian Broadcasting System, Limited later changed to Honolulu Broadcasting Company, Ltd. While the KWFB may be fact there is nothing in the FCC Data Base showing that early assignment.

> And, Buddy Gordon calls himself the Hilo Broadcasting Company. He doesn't exactly claim >to be the original station but claims they act like the original one what with all the different >format structures and music and being strictly live and local which they certainly are. It is >one neat and unique station! Really pulling in the listeners with its new 5 kW transmitter.

Glen responds -It is very true Buddys station sounds good considering the past performance of KAHU. But in retrospect, while the programming provides more options for the older listener what it really embraces and sounds like the KIPA Rainbow Radio of the early 80's. Does anyone really remember the programming on KHBC? As for the heritage of KHBC, New West is justified in its remarks as the application data and ownership including KWXX-FM (KPUA-FM), KGMD-TV (KPUA-TV) were part of the history starting with KHBC on 1400khz. I am sure New West could care who uses the KHBC call sign. But to say they are the original station (that is what the sign says in front of thier studio) is misleading.

U.S. X-BAND AT A GLANCE :: MAY 2003

Compiled by **Tony King, New Zealand:: Changes since April DXT in BOLD**

1610	CJWI	Montreal QUE	FF Caribbean music.
1620	WBUB	Atmore AL	Yet to be heard in US x WPHG & WPNS
	WDND	South Bend IN	ESPN Radio 1620
	KOZN	Bellevue NE	ESPN Sport ."The Zone"
	WTAW	College Station TX	'Newstalk 16-20 WTAW' CBS Nx
	KBLI	Blackfoot ID	SS "Radio Fiesta"
	KYIZ	Renton WA	Urban/Contemporary Soul
	KSMH	West Sacramento, CA	Rel. "Catholic Radio KSMH"
	WDHP	Frederikstad, US Virgins	BBC WS to 0900. ID at :59
1630	KCJJ	Iowa City IA	Hot AC /Classic Rock
	KKWY	Fox Farm WY	C&W AP nx " K-W-Y"
	KNAX	Ft Worth/Dallas TX	SS. Radio Vida/ Radio Dos Mil Dos. EE ID :58
	WTEL	Augusta GA	'Newstalk 1630 WTEL' x WRDW
1640	WKSH	Sussex WI	Disney
	KDZR	Lake Oswego OR	Disney
	KDIA	Vallejo CA	Talk/religious/life issues
	WTNI	Biloxi MS	"Talk Radio 1640": ABC News 1 kw nites Good ID :30
	KMKZ	Enid OK	Construction Permit granted. Pwr FCC approved
	KBJA	Sandy UT	SS/Radio Unica EE ID on hour
1650	WHKT	Portsmouth VA	"AM1650 WHKT Portsmouth, Radio Disney"
	KDNZ	Cedar Falls IA	Talk/ Sport "The Talk Station"/KCNZ
	KWHN	Fort Smith AR	'Newstalk 1650 KWHN'
	KBJD	Denver CO	Talk. "KNUS-2"
	KFOX	Torrance CA	Korean/ EE ID on hour
1660	KTIQ	Merced CA	Sporting News Network 'The Ticket'
	WWRU	Elizabeth NJ	PP & SS Radio Unica/R. Portugal. CP10kw nites
	WCNZ	Marco Is FL	'Newsradio 1660' AP nx.
	WQSN	Kalamazoo MI	Sports/talk ESPN
	KRZX	Waco TX	"Newstalk KRZX" (off 0600 UTC)
	KQWB	West Fargo ND	Standards "Star 1660 is KQWB AM' CNN news
	KXOL	Brigham City UT	"Oldies Radio" (60's rock)
	KXTR	Kansas City KS	'Classical 1660'
	WGIT	Canovanas PRico	SS oldies "El Gigante"
1670	WRNC	Warner Robins GA	Urban Gospel "1670 The Light"
	WTDY	Madison WI	Sports/Talk. "The Big one is 1670 WTDY" "The Team"
	KHPY	Moreno Valley, CA	Radio Catolica SS (nites) s/off 0800 UTC. EE s/off.
	KNRO	Redding CA	"Redding's ESPN Radio 1670 KNRO'
1680	WTTM	Princeton NJ	Ethnic - Hindi
	WTIR	Winter Garden FL	"Traveler Information Radio"
	WJNZ	Ada MI	Urban/AC
	KAVT	Fresno CA	Disney/SS
	KTFH	Seattle WA	CC VV JJ RR 1kw "The Bridge"
	KRJO	Monroe LA	Gospel. "Gospel 1680"
1690	KDDZ	Arvada CO	Disney
	KFSG	Roseville CA	SS rel. 'regional Mexican' x KSXX. EE ID on hr
	WPTX	Lexington Park	"Newstalk 1690 WPTX" CNN News
1700	WJCC	Miami Springs FL	SS/Rel/"Radio Luz"
	WEUV	Huntsville AL	Black Gospel. "Music of your Life.//1600 WEUC 1kw
	KTBK	Sherman TX	Sporting News Radio "Sports Radio 1310 KTCK."
	KBGG	Des Moines IA	'The new AM 1700 KBGS'. CNN
	KQXX	Brownsville TX	'Oldies Radio 1700 AM'

Radio Nacional del Perú

Tiwai Easter 2003 Trail

Freq	Time	Call	Where	Details	Date
162	19.05	TDF	"Allouis, France"	"Fair with FF sports pgm, past 20.00"	19/4
171	18.24	R.Rossii	"Oyash, Russia"	Fair with talk and mx	21/4
530	08.14	R.Vision	Cristiana Turks & Caicos	Poor in SS in the NZ slop	17/4
580	08.00	KJAL	American Samoa	"Poor with choir singing, mixed US newstalk stn."	20/4
585	04.03	7RN	Hobart	Good with Radio National	17/4
600	09.34	KOGO	San Diego, CA	"Radio 600 KOGO stn promo, then C to C talk"	18/4
640	07.40		"R.Progreso, Guanabacoa"	Cuba Fair with talk on health issues in Cuba	18/4
640	0746	KFI	Los Angeles CA	"Promo for ""most frequent traffic reports"", vgd"	20/4
670	08.04		"WWFE, Miami, FL	La poderosa seis setente' Fair. R.Dr at 08.36	18/4
670	08.28	WSCR	"Chicago, IL"	"Fox Sports Radio, 'The Score', ex WMAQ"	20/4
680	08.19	KNBR	"San Francisco, CA"	Fair with baseball commentary	20/4
680	07.00		"YVQR, R.Continente"	"Cumaná, Venezuela" "Fair, frequent ids and time checks"	20/4
760	0744	HOXO (fl)	LV del Istmo, Panama,	no details	17/4
770	05.17	"HJX, RCN"	"Bogota, Colombia"	"Fair, // with 980 HJES, Cali"	18/4
780	04.36	"OAX4X, R.Victoria"	"Lima, Peru"	"Running la Voz de la Liberación, religious"	19/4
790	1200	XEBI	Aguascalientes,	string of ads, fair-good signal.	19/4
800	09.00	PJB	TWR Bonaire	"ID as R.Trans Mundial, fair"	17/4
837	19.47	IRIB	"Esfahan, Iran"	Mx and talk in Farsi	19/4
837	19.47	R. Lebanon	Amchit	"Mostly tlk about Iraq, o/Esfahan"	19/4
840	05.02	R.Nacional	Panama	"Fair with band mx, freq ids between tracks"	17/4
840	0600	WHAS	Louisville KY	"News, mixed Panama"	18/4
840	0555	WHAS	Louisville, Kentucky,	ID after band music and time pips	18/4
850	04.53	R.Net	"Bogota, Colombia"	Fair with ID and nx items	17/4
850	04.55	R Nacional del Peru	"Lima, Peru"	Peaking over R.Net with id	17/4
920	06.18	R.Lobo	Unidentified	"Fair ids in SS, frequent timechecks UTC-5"	19/4
920	0818	UNID	B Streisand number	"Do you know where your going to" instrumental version, 08.15 "starry starry night" Vincent	20/4
940	08.50	KWRU	"Fresno, CA"	Good with Unica in SS	16/4
950	04.55	"R Nacional, Penonomé"	Panamalight	mx and id // 840	18/4
990	19.16	R.Sawa	"Cape Greco, Cyprus"	Mostly talk in AA through Fifeshire & BBC Chinese	18/4
1000	04.31	"HJAQ, RCN"	"Cartagena, Colombia"	Good with id	19/4
1050	0932	KCTC	San Mateo CA	"Sports news, commentaries, id as ""ESPN Radio""."	18/4
1107	18.53	JOCF	"Kagoshima, Japan"	Fair with talk mixed 2EA	17/4
1110	0447	Radio Reloj,	Cali, Columbia	"Este Es Radio Caracol ... radio caracol de mundial" with Simon and Garfunkel instrumental "I'd rather be a hammer than a nail" firm "Radio Reloj"	18/4
1110	0730	KFAB,	Omaha,Nebraska	"who let the dogs out" Baha men, "KFAB news radio".	17/4

1110	05.36	WBT	"Charlotte, NC"	Fair with good ids	'Newstalk 1110 WBT'	20/4
1110	09.40	XERED	"Mexico City, Mexico"	"Fair with SS, briefly"		16/4
1130	05.30	HJVA	Vida AM	"SF de Bogotá, Colombia"	Good with Id and pops	18/4
1130	0740	CKWX	with "news 1130"	ids and time checks then weather details		17/4
1140	09.50	HJDL	R.Paisa	"Medellin, Colombia"	Fair with mx and frequent ids	18/4
1140	09.00	XEMR	"Monterrey, Mexico"	Good with religious pgm in SS		16/4
1140	0827	WBXR (t)	Hazel Green, Alabama,	Religious programming with organ music " no one is more suprised when I got your letter... pay more attention to the word of god", co channel presumed KHTK		17/4
1140	0720	KHTK	Sacramento CA	"Id as ""Sports 11-40, KHTK"" , mixed SS."		20/4
1150	07.40	KXTA	"Los Angeles, CA"	Sports commentary - fair		16/4
1180	1104	Radio Marti	Marathon FL	"Strong all evening, fades in around 0400"		20/4
1190	07.45	KEX	"Portland, OR"	"Good, id as 'Newsradio KEX' then tlk on Iraq war"		20/4
1190	07.58	"HJCV	R.Cordillera, Bogotá"	Colombia	Todelar' n/w id and latin old time dance mx	18/4
1200	10.20	WOAI	"San Antonio, TX"	"Fair with Newsradio 1200, WOAI id"		16/4
1295	18.50	R.Omdurman	Sudan	(Tentative) Weak in AA		19/4
1310	08.15	R.Maria	Panama	"Fair with gregorian chants, regular"		17/8
1320	06.28	WJGR	"Jacksonville, FL"	(Tentative) Fair/poor with talk on flight.		20/4
1320	06.15	R.Nacional	Peru	Very good with classical mx - lots of popular tunes!		19/4
1320	0614	UNID	documentary about space programme	very good at times onwards how to get to themoon and back.		20/4
1320	06.30	"XEJP,	Track 1320"	"Mexico City, Mexico"	"Regular ids, including Radio A and Track 1320"	20/4
1323	18.57	CPBS	"Xinjiang, PRC"	Tentative with CC talk		17/4
1330	05.00	"HIRV,	Vision Cristiana"	"S. Domingo, Dom Rep"	(Tentative) ID and a NY address at 05.00	19/4
1360	07.00	WKAT	"Miami, FL"	"Good with classical mx, 'Classical 1360 AM'"		17/4
1360	06.30	WMOB	"Mobile, AL"	Fair Inspirational mx & id over WKAT		18/4
1368	19.10	R.Thailand	"Nan, Thailand"	"Male and female chatting in Thai, mixed 2GN"		17/4
1370	06.00	R.Mundial	"Bogota, Colombia"	Sport commentary until at least 07.00		18/4
1380	07.40	R.Corporación	"Santiago, Chile"	Religious talk - good		19/4
1390	04.50	Voz Evangelica	Honduras	(Tentative) Weak/ fair with religious pgm		19/4
1390	0505	XERW	Radio Formula, Leon,	with promo for Dr Abel Cruz prog, poor-fair.		21/4
1390	0504	KLTX	R. Nueva Vida	Long Beach CA pr-fr with SS religion		21/4
1420	05.36	HJHK	R. Reloj Manizales	Colombia Fair with jingle and station promo		18/4
1440	19.10	BSKSA	"Dammam, Saudi Arabia"	Fair over Nzers with AA talk		18/4
1460	09.26	KREA	"Honolulu, HA"	(Presumed) with talk in KK		18/4
1460	0716	R Nueve	Continente, Bogota ,	Columbia (sounds like) with church music, tape Id not that good at 07.16		19/4
1467	1828	R Fiji,	Seals and Crofts	"we may never passs this way again" gd sig		17/4
1470	08.00	"CPN,	Lima"	"Lima, Peru"	Good with SS religious pgm	17/4
1480	11.58	KYOS	"Merced, CA"	Several ids before the hour. Also hrd at 0658		20/4
1480	12.00	XETDK	"Monterey, Mexico"	Fair with full id		17/4

1480	07.05	WVOI	"Marco Is, FL"	"The Music of Your Life, the Best Songs of all time"	18/4	
1480	05.11	"WMDD,	R.Tropical"	"Fajardo, PR"	"Poor, Ids with FM freq."	19/4
1480	05.18	WTEL	"Augusta, GA"	"Poor, peaking over others with ids for // stn WRDW"	20/4	
1480	06.56	KVNR	"S.Ana, CA"	Fair over mix with VV talk and mx	20/4	
1490	09.00	HCSM5	R.Santa Maria	"Azogues, Ecuador"	"Good, over top of R.Modelo"	19/4
1490	09.00	R.Modelo	Guatemala	(Tentative) Fair with talk	19/4	
1490	07.33	R.Reforma	via R Dinamica	"Caracas, Venezuela"	Fair with Religious prgm - many ids	19/4
1490	09.57	YVXD	La Dinámica	"Caracas, Venezuela"	ID over mess	19/4
1520	04.30	Ecos del	Palmar	Colombia	Fair with songs	19/4
1521	18.42	BSKSA	"Dubai, Saudi Arabia"	Weak with talk under NZ	19/4	
1540	05.55	R.Bahamas	Bahamas	(Tentative) Fair with gospel mx	18/4	
1560	07.15	WQEW	"NY City, NY"	Fair with R.Disney	17/4	
1566	19.36	AIR	"Nagpur, India"	"Lady talking, but under 3NE - fair at best"	18/4	
1580	08.00	"HJQT,	Radio Mar"	"Bogota, Colombia"	Good with relig prgm	19/4
1548	1930	TWR	via Grigoriopol,	Moldova, (tent.) audible thru 4QD with tk in Romanian.	19/4	
1583.4	19.07	2EC	Narooma	Australia	Wx details and pops	19/4
1590	11.38	Unid.	USA	Fair with R.Disney	17/4	
1620	04.55	WDHP	"Frederiksted, USVI"	"VG religious prgm, BBC WS from 0500 then local prgm"	17/4	
1640	05.27	WTNI	"Biloxi, MS"	"Fair, but excellent at 10.44"	17/4	
1640	06.59	KDIA	"Vallejo, CA"	Pgm preview for religious show - fair	17/4	
1650	10.50	KDNZ	"Cedar Falls, IA"	Mixed with others - fair	17/4	
1650	11.40	KBJD	"Denver, CO"	"Gd with local nx, mixed KWHN. ID as "KNUS"	17/4	
1650	11.33	KWHN	"Fort Smith, AR"	Early morning show - good	17/4	
				"newstalk 1650, 11.30, "public education in Arkansas.. arguments for insurance tax deduction"	17/4	
1650	0548	WHKT	Portsmouth VA	"Radio Disney format, local id before hour."	20/4	
1660	05.07	"WGIT,	R.Gigante"	"Canovas, PR"	Good Off with Star Spangled Banner @ 05.15 1/2	17/4
				"Strong in SS at 0945, ident in SS prior 1000."	19/4	
1660	09.56	WWRU	Elizabeth NJ	Fair but mixed in SS	17/4	
1660	08.00	WCNZ	"Marco Is, FL"	Good with Newsradio 1660 ids	16/4	
1660	0833	KXOL	Brigham City UT	"Id and oldies, fair, not as gd as last year."	20/4	
1670	0847	WRNC	Warner Robins GA	"SS gospel, EE ident on the hour, good."	20/4	
1680	11.01	KRJO	"Monroe, LA"	Excellent with a lot of Ids 'Yr stn Rejoice 1680'	17/4	
1680	08.15	WTIR	"Wintergarden, FL"	"Excellent with travel info, every night."	17/4	
1690	11.40	KDDZ	"Aravada, CO"	Fair with Disney	17/4	
1690	07.35	KSXX	"Roseville, CA"	Good in SS (NB: Call is KFSG now)	16/4	
1690	09.52	WPTX	"Lexington, MD"	"CNN nx, legal id just prior to 10.00"	20/4	
1700	09.38	Unid.	?	Relaying BBC in SS (possibly KBGG???)	17/4	
1700	11.15	KQXX	"Brownsville, TX"	"ID as Oldies R., Hits & Memories Fourfold - Gd."	17/4	
1700	06.00	WJCC	"Miami Springs, FL"	"Fair, blocked 06.03 by KQXX"	20/4	
1700	12.10	KTBK	"Sherman, TX"	Fair with weather	16/4	

Those listening were connected to the various Tiwai beverage antennae

Name	From	Receiver(s) used
Paul Ormandy	Oamaru	(AOR 7030+)
Ray Crawford	Forestdale, Brisbane , AUS	(Drake SPR4)
Sutton Burtenshaw	Hamilton	(Sony 6800W)
Paul Aronsen	Wallacetown	(Yaesu FRG 8800)
Tony Magon	Sydney AUS	(Drake SPR4)
Stuart Forsyth	Wellington	(AOR 7030)
David Norrie	Auckland	(AOR 7030)
Bryan Clark	Auckland	(AOR 7030+)
Steven Greenyer	Timaru	(Palstar R30)
Frank Glen	Christchurch	(Grundig 650)
Peter Grenfell	Oamaru	(Kenwood R5000)
Arthur de Maine	Kakanui	(SPR4, Icom R71E)



The Group at Tiwai

L to R Arhtur De Maine, Steven Greenyer, David Norrie, Lindsay Robinson (President Southland Branch) Frank Glen, Paul Ormandy, Eddie MacAskill, Tony Magon, Sutton Burtenshaw, Eric McIntosh, Bryan Clark, Peter Grenfell, Ray Crawford and Paul Aronsen kneeling (Photographer-not in photo Stuart Forsyth)

DX Tiwai Easter 2003

For over 30 years, nestled between the southern Pacific Ocean and the Awarua Bay lagoon on tussocky, swamp country, the house at Tiwai Point has been a mecca for DXers. For those who haven't been there, it is an old farm house — made of concrete, with three bedrooms, a kitchen, living room, bathroom and a long drop outdoors. The nearest electricity is 5km away. A coal range heats the water. It is not as primitive as it seems, but that is not important — what is, is what can be heard from the house. Six permanent aerials radiate towards, Nth and South America, Europe and Asia, between 300 and 600 metres in length. The full history of the house at Tiwai is being written at present by Steven Greenyer, although some information is to be found on the NZ Radio DX League website.

The Southland Branch hosted a get-together of DXers over Easter. Twelve keen listeners gathered at the Tiwai house for probably the last time and shared the delights of what could be heard from there. They came from far and wide: a number of ex-Southlanders came home - Ray Crawford from Brisbane, Tony Magon from Sydney, Sutton Burtenshaw from Hamilton, Frank Glen from Christchurch and Steven Greenyer from Timaru, David Norrie and Bryan Clark came from Auckland, Stu Forsyth from Wellington, Paul Ormandy and Peter Grenfell from Oamaru, Arthur de Maine from Kakanui and Paul Aronsen, the local viking, came across from Wallacetown!

For those of us who were visitors, it was an eye opening experience to sample what used to be heard on Mediumwave on a very regular basis. Shortwave wasn't bad either, with El Salvador on 17835 and the Mexican on 2390 being good catches. However, most present were MW Dxers and had no time for shortwave! I had been to Tiwai three times previously, but had never heard signals the way we did on this occasion.

Most were there from Thursday to Easter Monday. Each evening the conditions varied considerably with the best DX being heard Thursday to Saturday. Conditions tapered off after that. Highlights were many and it is hard to list them, however for me they were: WKAT Classical 1360, 1kw in Miami, WTNI Biloxi MS 1640 and brand-new on air, Radio María in Panamá 1310, WBT in Charlotte North Carolina 1110, ZNS1 The Voice of the Bahamas 1540, HJDL Radio Parisa in Medellin, Colombia 1140, and HCRT6 Radio Paz y Bien in Ambato, Ecuador on 1340.

House at Tiwai (Southland)
Photo by Ray Crawford



Other participants will have different lists, such as the variety heard. It was interesting too to see the receivers in use: 4 AOR 7030(+)'s, 3 Drake SPR4s, 1 Yaesu FRG 8800, 1 Palstar R30, 1 Icom R71E, 1 Grundig 650 and 1 Sony ICF 6800W. All performed admirably in the good conditions.

It was with a touch of sadness that we held the auction and other formalities on Sunday afternoon. It was the last occasion to formally celebrate the house and its role in the history of New Zealand DXing. The auction raised the princely sum of \$76 and there was a special message for us all from the Patron of the NZRDXL, Jack Fox of Dunedin.

It read:



Stack of AOR 7030's
Photo by Bryan Clark

It is sad that we have to experience such an event taking place at Tiwai Point, a home for many years for Southland Branch members of the New Zealand Radio DX League. A location that earned an international reputation in the DX hobby and has become an important icon of New Zealand's wonderful radio history.

The need for Southland Branch to give up its home at Tiwai Point because of declining interest is regrettable, and if it is any consolation southern members are not alone in making such a decision. I am aware many other organizations are facing similar problems brought about by changing conditions and falling membership.

One thing Southland DXers can hold their heads high about is the record they have set over the years of such a wonderful DX haven. It would be interesting to know how many stations in various countries have been logged at Tiwai.

My only regret is that I never made a trip to the point: I got lost a few years ago trying to find it in semi-darkness!

I understand you are to visit the famous Riverton Rocks and that will bring memories of those DX parties in Merv Branks's famous 6ft by 3ft in the sand hills.

Please accept my apologies that I am unable to attend and I wish everyone a wonderful Easter; enjoy yourselves and I look forward to reading a report in the New Zealand DX Times.

*Best wishes,
Jack Fox*

My Experiences with DRM™ Reception in New Zealand

Compiled by
Chris Mackerell
Wellington



Chris Mackerell
chris@radiodx.com



With the start of "live" broadcasts from Radio Netherlands and Deutsche Welle next month, the Editor has twisted my arm into writing a few words about my experimenting with DRM reception over the last few months.

For those new to the technology, Digital Radio Mondiale, DRM™ for short, is a method of broadcasting on AM (longwave, medium and shortwave) radio using digital signals rather than analogue - it's like listening to an audio stream on the Internet, but broadcast on medium or shortwave radio rather than via the net.

DRM™ offers the potential for totally noise and fading free shortwave reception. In addition it has the ability to carry stereo signals, and multimedia broadcasts, including extra information such as pictures and subtitles.



*Screen capture of multi-media DRM broadcast
(Courtesy Michael Dressen , Germany)*

For the last few years I've found that I've spent less time on DXing and shortwave listening and more time tinkering around with computers, the internet, and internet radio. When I became aware of the development of DRM I thought it would be a good way to combine my long standing interest in DXing and shortwave listening with my interest in computers and the net.

At the moment there are no commercially available consumer-grade receivers for DRM reception. To receive DRM broadcasts at the moment you need a modified receiver together with a computer to decode the signal.

The modifications required to receive DRM involve the installation of an additional IF module to provide an IF output signal suitable to be fed into a PC soundcard, together with modifications to the receiver's IF bandwidth to allow for the 12 kHz bandwidth of a DRM signal.

I had originally thought about modifying my AOR AR-7030 for DRM reception, but in the end I decided to purchase a DRM-ready Yaesu FRG-100 from SAT-Service Schneider in Germany. They also sell a very small DRM IF module for installation into other receivers.



SAT-Service Schneider DRM IF Module



Yaesu FRG-100/DRM

FRG-100/DRM is fitted with a 12 kHz IF output and has bandwidth filter changes to receive DRM™ broadcasts. In my receiver I've had the wide AM filter bank used for DRM™ - this results in AM Wide being *really* wide when used for normal AM transmissions. This has turned out of making it a really nice little receiver for general shortwave listening.

In addition to a modified receiver, a suitable program is required on your PC to decode and listen to DRM broadcasts. I purchased the "DRM Software Radio" program from Merlin Communications, which I run on a dual processor 733 MHz Pentium III computer running Windows XP/Pro.

There are freeware packages available for decoding DRM signals, but due to licencing of the coding algorithms used you need to compile them yourself on a Windows PC. I don't have the required compiler so I have been unable to try the freeware software.

Having taken the plunge I eagerly awaited the arrival of my new receiver. It duly arrived, and has been installed in my DX shack.

I am listening from Tawa, a suburb of Wellington, the capital city of New Zealand. It's a residential area with houses filled with TVs, computers and other noise-generating electronics. My house is no exception! My antenna is a 30 metre wire in the garden. This feeds my receiver through a JPS ANC-4 noise reduction unit to help cut down some of the local noise from my PC and the rest of the house.

The very first day I got the receiver home and set it up I was able to get some of the best DRM reception I've heard. Radio Netherlands were running some test transmissions from Bonaire for RNZI and I got home about 10 minutes before the start of the broadcast! I frantically connected everything up, tuned the receiver, fired-up the software on my PC, and much to my amazement superb quality audio came out of my PC speakers!

Since then I've been able to receive DRM transmissions from Deutsche Welle via Sines, Portugal, Radio Netherlands via Bonaire, and the BBC via Rampisham in the UK and Sackville in Canada. These have all been test broadcasts, and the results have been variable.



My DX Shack FRG-100/DRM on the left

This is new technology and it has a long way to go yet. True, there is no static or fading, but instead you get dropouts and distortion at times, very similar to listening to an internet radio station via a dialup connection a year or so ago. Having said that, I think how much that technology has improved dramatically over a very short time, and I can't help thinking the same will happen with DRM.

I've had the chance to listen to some DRM samples from RTL test transmissions to Europe on 6095 kHz. These are really superb and show how good the DRM signal can be. Samples from these can be found on my website, together with my own recordings.

Is DRM going to be "DX-able"?

Well, the DRM software can decode a station id from a DRM signal that is totally drowned out by a normal AM broadcast, but, no, I don't consider it will be a DX medium for a long while yet, if ever. It doesn't have that challenge of picking an id out of the noise after hours of frustrating listening! It's an "all or nothing" medium. I do think it will be very good for those people who like shortwave listening. Some of the audio can be excellent.

A lot of DXers are very concerned about digital broadcasting and it's impact on other signals. My experience so far is that existing AM shortwave broadcasts have caused far more disruption to the DRM test signals I've been trying to listen to than vice-versa! What happens when DRM becomes more common, and spreads to the medium-wave band, remains to be seen.

I can't help thinking that if the BBC went back and used a frequency like it's old 15070 kHz for a world-wide DRM broadcast they would be on to a winner all round. FM quality stereo shortwave with pictures could be just around the corner...

If you want to know more about DRM you can email me at chris@radiodx.com, or visit some of the web links listed below.

Internet Links about DRM:

My own DRM page, including audio samples:
<http://www.owdjim.gen.nz/chris/radio/DRM/DRM.html>

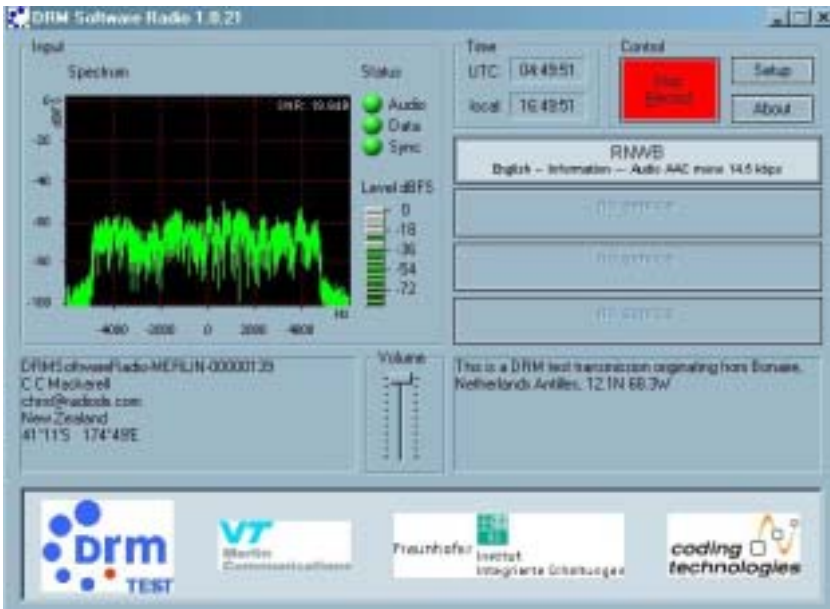
Latest DRM broadcast information from Radio Netherlands:
http://www.rnw.nl/realradio/html/drm_latest.html

The DRM Software Radio site (includes excellent forums about DRM):
<http://www.drmrx.org/>

SAT-Service Schneider — DRM equipment suppliers:
<http://home.t-online.de/home/sat-service/sat/DRM/DRM.htm>

The official DRM Consortium site:
<http://www.drm.org/>

The DRM logo is a trade mark of Digital Radio Mondiale Association and is used with permission. DRM logo © DRM Association 1998.



Screen shot of DRM test Transmission by Radio Netherlands from Bonaire, Netherlands Antilles on 15400 kHz 0430 13th April 2003 by Chris Mackerell in Wellington, NZ.



AUCKLAND BRANCH

The 27 April meeting had 14 present at the Clubrooms, chaired by Yuri Muzyka and introduced Bruce McDonald, ZLITMB as a welcomed visitor.

Barry Jones briefly mentioned Bill McKechnie, ZL1MCK has been in hospital having tests done. Everyone at the meeting wishes Bill a speedy recovery! He runs the amateur radio Chit Chat Net on 7070 kHz LSB (in the 40m ham band) usually between 9:00 and 9:15 AM and again at 4:15 PM daily.

Barry also mentioned he heard a breakfast program on BFBS from Kuwait (they broadcast 0300-0700 UTC daily).

Mike Butler read out some English broadcast loggings for Radio Thailand, RAI Italy, SRI Switzerland and KNLS Alaska.

Barry Williams asked if anyone had heard a new religious station on 5920 kHz testing at 0600 UTC recently. Barry says Bill Smith W5USM (who spoke at last month's meeting) had a good week in the South Island logging 18 U.S. stations from Paul Ormandy's QTH. He then spent a week in Australia and has since returned home to Texas, and thanks everyone for the good time he had.

Bruce gave an information packed 1 hour+ talk on the history of radio astronomy, running briefly through what each of many famous people (as practical experimenters) did in terms of light and radio over the last few centuries. The talk was aided with lots of drawings and slides. Practically everyone contributed a good question or two. There were even questions about Extraterrestrial Intelligence and SETI! Bruce is a volunteer for the Auckland Astronomical Society (AAS) and plans to give two more of these talks to the Auckland VHF Group and the astronomical society.

The **May 2003 meeting** will be at the Clubrooms, 3000 Great North Road, New Lynn, just past Whau Creek, on the **25th May at 2 PM**.

The **June 2003** meeting is tentatively at the Clubrooms on the **29th June at 2 PM**.

Meetings are held on the last Sunday of the month except December

SOUTHLAND BRANCH

April was rather busy for the Southland Branch as we had several visitors at Tiwai for a Dx Gathering over Easter. It is many years since we last had a full house and facilities were stretched with one having to sleep in his car. Reports on DX and listening will be shown elsewhere in the Times. A trip to Riverton on Saturday to the site of the old 6 X 3 listening post in the sand hills was followed by a BBQ. Sunday saw the Group go to Bluff for sightseeing. A visit to the Maritime Museum followed a meal at the Drunken Sailor Restaurant overlooking Foveaux Straight and the last AA SignPost in NZ which points to many Cities of the World. The weekend was very successful, good weather made it better, old Friendships were renewed and DX was good. Snoring was at it's best from the North Otago contingent, one denies it, but is on Video !!

Next Meeting Tuesday 27th June. 7-30pm Eddie Mac Askills 513a Tay street Invercargill 7-30PM

NEW ZEALAND RADIO DX LEAGUE (Inc.)

The **New Zealand Radio DX League (Inc.)** is a non-profit organisation founded in 1948 with the main aim of promoting the hobby of Radio DXing.

The NZRDXL is administered from Auckland by:

NZRDXL AdCom, PO Box 3011, Auckland

Patron - Jack Fox jackfox@clear.net.nz

president@radiodx.com - David Norrie

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

varrisian@paradise.net.nz

vice.president@radiodx.com - Bryan Clark

Treasurer - Phil van de Paverd

paverdp@xtra.co.nz

Annual Membership:

Within New Zealand - NZ\$35.00.

Australia/Pacific Islands - A\$35.00

Rest of World- US\$30.00

All overseas members get airmail delivery.

An Electronic (only) magazine is now available in a

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

NZ\$20 for local New Zealand members.



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

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

Club Magazine:

The NZ DX Times, PO Box 3011, Auckland.

Published monthly. Registered publication.

ISSN 0110-3636.

Chief Editor/Publisher - Mark Nicholls

editor@radiodx.com

Printed by ProCopy Ltd. Wellington

© All material contained within this magazine is copyright to the New Zealand Radio DX League and may not be used without written permission (which is hereby granted to exchange DX magazines). Where such permission is given, acknowledgement of the NZ DX Times and the original contributor is required.

Advertising Rates: "Marketsquare" members advertising is now free subject to available space. Commercial rates on request.

