



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

April 2002 - Volume 54 Number 6

<http://radiodx.com>



Article: New Samoan Station on 585kHz

Exclusive Report by
David Ricquish
Wellington

WDJD 585 American Samoa

On 13th April 2002, a new AM radio station is scheduled to come on the air in the South Pacific, when WDJD will begin regular broadcasts from near Pago Pago in American Samoa. It's only the third MW station on the island in some 50 years.

Operated by Asia Pacific Media Ministries, WDJD (**What Did Jesus Do**) is owned by the local Assemblies of God church and broadcasts on 585 kHz with 5000 watts.

For New Zealand and Australian DXers, the signal shares 585 with 2XR Ruatoria (2kW) and 7RN Hobart (10kW) so should provide good reception in the evening. During daytime, even the groundwave may be heard in some parts of northern New Zealand.

Asia Pacific Media Ministries

Thanks to Chuck Pryor and Bill Snider of Asia



Pacific Media Ministries, we're able to share these photos of the WDJD studios and include some excerpts from the diary of their visit to American Samoa just a few weeks ago. The full diary is available on line (see this month's *Talkback*) and covers the challenges of setting up a new radio station in the Pacific.

Construction Diary

On January 29, wiring of the two studios was well underway and the transmitter was tested for the first time. A heavy rain-storm meant the transmitter had to be hauled back to the studios as its building was still roofless at this stage.

The next day, the main studio was completed, Chuck observing *we've had a hard time locating some pretty basic tools we need on the island like simple audio connectors, but, hey the Samoan way is*



Contribution deadline for next issue is Wed 1st May 2002. **PO Box 3011, Auckland**

CONTENTS

REGULAR COLUMNS

Talkback	3
<i>with David Ricquish</i>	
Bandwatch Under 9	9
<i>with Ken Baird</i>	
Bandwatch Over 9	13
<i>with Andy McQueen</i>	
English in Time Order	17
<i>with Yuri Muzyka</i>	
Shortwave Mailbag	19
<i>with Laurie Boyer</i>	
Dxissimo	20
<i>with John Durham</i>	
Shortwave Report	21
<i>with Ian Cattermole</i>	
Utilities	27
<i>with Evan Murray</i>	
Unofficial Radio	29
<i>with Paul Ormandy</i>	
TV/FM	30
<i>with Adam Claydon</i>	
Broadcast news/DX	32
<i>with Tony King</i>	
ADCOM News	39
<i>with Bryan Clark</i>	
Branch News	41
<i>with Chief Editor</i>	
Marketsquare	42
Ladders	43
<i>by Stuart Forsyth</i>	

FEATURES

ARTICLE: WDJD New AM Station Am. Samoa	1
<i>by David Ricquish</i>	
ARTICLE: BBC Freq's	19
<i>by Ken Baird</i>	
ARTICLE: NZ Forces Radio (via RNZI)	26
ARTICLE: Propagation Websites	35
<i>by Bill Smith W5USM</i>	
ARTICLE: Current FM Guardband Station List	36
<i>by Bryan Clark</i>	
ARTICLE: Loop Aerial Formula	42
<i>by Tony King</i>	

pretty laid back.

Announcer training started on January 31. Employees and owners of other stations on the island came over to check out the new equipment, and some locals had experience at their stations, but everyone was really quite new to radio.

On February 1, we continued recording CD's into the system so we can begin building program logs. We're still missing some equipment to really finish things, but



we're close enough to thoroughly test.

Test Transmission

The RF team continued working at the transmitter site and has been able to get it on air and tested. They just got power to the site today. We're missing vital equipment for the tower (microwave dishes), so until these things get here, there's really no way to get the station fired up and running.

We were supposed to get a shipment of equipment on this evening's in-coming flight, but it never made it.

By February 2, the team from home station WBGL-FM was getting ready to leave. Since then, more tests have been conducted, staff trained, and there's been a lot of support from the youth at the host church, Bulan Island Assemblies of God.

Family Programs

Acting Station Manager is Vickie Haleck, whose husband is pastor of the church. WDJD will have bilingual English (70%) and Samoan (30%) language programs, including music. Chuck says the island of Samoa is all about family, so the station slogan is **for**

you and your family, 585 AM WDJJ.

DXer Friendly

DXers in North America should have a good chance of hearing WDJJ as well, as it's a split channel. Bill is interested in getting reception reports from New Zealand listeners, and others who hear the signal.

Our thanks to Chuck Pryor (Station Manager WBGL-FM) and Bill and the folks at WDJJ for sharing news about their new station, and for being DXer friendly. If you've never logged or QSL'd American Samoa before, here's your chance. It's a brand new transmitter so should have enhanced radiation at present.



talkback@radiodx.com

Compiled by David Ricquish, Wellington



Welcome to another *big issue* everyone. Hope you've had a relaxing Easter and time to reflect as the year rushes onwards. This month, lots more **Pacific news, ABC 70th birthday plans, e-DXT now available for New Zealand members, CPRV's Jerry Berg and UNESCO's Martin Hadlow join Heritage Committee, DX meetings in Christchurch and Wellington** and heaps more. Just keep those cards, letters, emails and clippings pouring in!

First up, the **e-DXT** is now available to New Zealand members. The cost is just NZ\$20 and often the magazine arrives up to a week before hard copies. You can also choose to add the e-DXT to your existing hardcopy subscription at no extra cost. **See below for details of how to win 'The History of International Broadcasting Volume 2' simply by subscribing to the e-DXT!**

Congratulations to the lucky international subscriber to the e-DXT between December and March 31. We'll have your name here next month. Your copy of *Radio Happy Isles* will be sent shortly. We hope you enjoy this contemporary guide to Pacific radio from the University of Hawaii Press. Read about our new giveaway book later in the column.

David Searle, Christchurch writes *NZART Branch 56 cordially invites all local NZRDXL members to join them on a guided tour of the NZ Police Southern Communications Center, Hereford Street, Christchurch. Date: Tuesday, May 28. Time: 7.30pm. Place: Police HQ Christchurch.* Places are limited, early booking recommended. Contact David Searle on (03) 358 2424 or email at davidsearle@contactplus.co.nz

Stuart Forsyth, Wellington invites all NZRDXL members in the **Wellington region** to a social afternoon in April, and guest **Adrian Sainsbury, Radio NZ International** may be present. This will be a very informal social event. **Date: Sunday, April 28. Time: 2.30pm. Place: 46 Akaroa Drive, Maupuia (Miramar) just up the hill from Oscar award winning 'Lord of the Rings' studios.** Contact (04) 388 5788.

We have a growing membership in both Christchurch and Wellington, and hope these social functions will be the first of others to come. Please come along if you can.

Paul Aronsen, Invercargill sends the latest *Southland DX Digest* with news about a planned working bee at Tiwai, visit to Mercury TV, DX of AFRS stations around the world in 1945, and a hilarious guide to building a 40 meter (or is that 40 beer can) beverage antenna. As you can imagine, the instructions get more obscure, the closer to the 40 cans the builder gets!

Radio Lollipop, Auckland tell us they're on air at the *Starship Childrens Hospital* and *Middlemore Hospital*. The children's wards are hardwired for the service, running 6-8pm on Sundays-Wednesdays with current hits and childhood classics. Radio Lollipop is an international charity, and looking for volunteers to help with broadcasts. Contact them at PO Box 110045, Auckland Hospital, Auckland (T: 09 307 4950).

Adrian Peterson, Indianapolis IN sends details of *Wavescan 379* broadcast on March 31 across AWR. It includes news about radio in Tuvalu, the history of radio on Easter Island and a visit to the NZRDXL Archives in Dunedin. **Adventist World Radio** provide a wonderful service to DXers worldwide with this show, so take the time to tune in, and send reception reports for their ongoing collection of attractive QSL cards.

We'll include *Wavescan* details in future Talkback columns, and some of the articles will also appear here in the DXT. You'll also find some at www.radiodx.com our ever popular website.

League website again in Top 10 websites here in New Zealand! The Hitwise people tell us we've done it again, with visitors to the site putting us in the top 10 for the hobby and recreation category. We've been there for six months out of the past year. If you haven't visited the site lately, check it out. Always something new.

John Davies, Queensland sends a variety of newspaper clippings about the battle between *DMG Radio* and *Austereo* in Australia. Both operate a variety of FM stations, and since *DMG* launched it's *Radio Nova* brand in Melbourne and Sydney, capturing big chunks of audience, the Aussie airwaves have become charged with tension. *Nova's* debut in Melbourne was to rank #1 in its first ratings outing. With another *Nova* on the way in Perth, *Austereo* is watching nervously.

Back in the 1970's, Radio NZ launched *Radio Nova* on the 3ZM 1400 channel to draw audience away from new private rival Radio Avon 1290. Of course, *Nova* was also *Avon* spelled backwards! *Nova* is defined in the dictionary as a fast rising star which soon fades. The Christchurch *Nova* soon fulfilled this prophecy and 3ZM eventually drifted into the ZMFM network and off the dial completely. *DMG Radio* will be hoping that Sydney, Melbourne and Perth don't follow suit.

Meanwhile, the **ABC celebrates its 70th birthday on July 1**. Special programs are planned including a link-up of the original 12 stations: 2BL/2FC Sydney, 3AR/3LO Melbourne, 4QG Brisbane, 5CL Adelaide, 6WF Perth, 7ZL Hobart, 2NC Newcastle, 2CO Corowa, 4RK Rockhampton and 5CK Port Pirie. Most of the calls remain the same, although some have gone the RN way. At the same time, the ABC launches its **seventh nationwide radio network**, called DIG and internet only based. Format is all music, all Australian music aimed at listeners aged 30-50.

Some new **Aussie websites** of interest include www.commercialradio.com.au (lots of news and data about commercial radio stations) and www.oldtapes.cjb.net (jingles and off-air tapes of Melbourne and Sydney radio shows from the 1980's).

The ABC website now includes details of when ABC Radio transmitters are off air for maintenance, and invites reception feedback so may be useful for e-QSLs.

Radio Australia expands coverage in Asia and the Pacific. A series of rebroadcast deals with local FM stations in *Indonesia* sees Indonesian language programs such as news and current affairs going live across several major metro areas.

NBC Papua New Guinea now carries English and Tok Pisin language news, current affairs, health, rural development and social and cultural (including popular music) magazine programs live across its AM, FM and SW network.

Meanwhile, **TARBS (Television & Radio Broadcasting Services)** from Sydney, is set to become the world's largest supplier of ethnic radio and TV programs. Currently supplying 52 x 24 hour channels into Australia, they will launch into North America via DTH shortly. They currently broadcast into Africa and Asia, and will soon expand into Middle East and Europe.

TARBS?. Think narrowcast radio services. Think rebroadcasting or relaying to local target areas much like SW. Package it all up with satellite technology and you get a global distribution platform.

Consider that local AM/FM transmitters can then rebroadcast chunks of their 24 hour streaming. The result is that non-English language programs can come straight into your home. Much like SW, only more expensive and in a very round about way.

New Zealand radio faces big changes after 2001 Census. Asians are poised to outnumber Maori in little over ten years and already outnumber Pacific Islanders. This means new languages and more stations on air.

We have state funded *National* and *Concert FM* networks catering for Europeans, state funded *Maori* radio, and now TV networks, and a state funded *Pacific* radio network starting soon.

The fastest growing and third largest ethnic grouping of *Asians* have only paid program blocks on two Auckland AM stations (1386/1593), various AM/FM community access stations and AM990 Chinese Radio.

Auckland is ethnically fast becoming another Honolulu, and these changes will be reflected along the radio dial. We hope to have an article on this soon. First we have to find all the 'guardband' FM stations on air, about 22 in Auckland at last count.

In **Hawaii** one of the oldest callsigns, **KMVI** has partially disappeared, as KMVI-FM in Wailuku changes format to *Jawaiian* and becomes KJMD-FM or *Da Jam*. KMVI-AM remains with this callsign. *Jawaiian* is the hot new format sweeping Hawaii for over 12 months now, with more and more stations switching to the local part Hawaiian part Japanese music format.

Ron Jacobs, Hawaii is a former DJ at Honolulu's KPOI and KCCN amongst many others, but also established the *Southern California* sound of **KHJ Los Angeles 930**.

Co-creator of *American Top 40* and other syndicated radio shows, Ron has released a book *KHJ Inside Boss Radio* which tells the story of how the new format in the 1960s pushed KHJ into dominance of American radio of those days. You can read excerpts at www.zapoleon.com and encourage your local library to buy a copy.

Last month we covered **financial woes** for various **Papua New Guinea SW** stations. According to DX reports, tales of their demise may have been too early. Check 3325 and 3335 as they may still be surviving. But for how long? Melanesian broadcasters continue to struggle elsewhere too.

Radio Vanuatu is on the verge of bankruptcy says the local audit office, and the government has sacked the entire board. Most of the staff had been sacked by the same

board earlier, so if you're still awaiting a QSL, maybe it's because there's hardly anyone there and they can't afford power and pay, let alone postage!

In **New Caledonia**, pro-independence **Radio Djido's** female chief editor was beaten up by two masked men unhappy about how the station is covering increased racial tension between native Kanaks and Wallis islanders near Noumea. The station went silent for 24 hours in protest.

(Read our article about Radio Djido at www.radiodx.com in the online Radio Heritage Collection).

Meanwhile, religious broadcasters are falling over themselves to get on air across the South Pacific region at the same time as state stations collapse. Even **Planet FM in Auckland** is swamped with Asian and Pacific language would be religious programmers waving fistfuls of money to buy airtime.

Last month we mentioned both **WJDJ 585** and the planned Pago Pago FM NPR station. The first is run by a US based ministry, the second underwritten by another US based ministry.

Check out <http://www.wbgl.org/samoa1> for the fascinating diary of **Chuck Pryor** from WBGL-FM who visited **American Samoa** in February to help train staff, bring out gear and begin tests. Extracts from the diary are included as lead story in the magazine this month.

In **Samoa**, Radio Graceland has moved to 90.9 for Apia and Upoulu Island, added 106.9 in the Apia district, and adds 94.9 on Savai'i island also. Graceland Broadcasting Network (GBN) also has a 24 hour TV channel in Apia and is a US based operation.

In **Papua New Guinea** we've got **Radio Light** of *The Papua New Guinea Christian Broadcasting Network* on 93.9 and 106 FM in Port Moresby. Due on air about now, it's a joint venture between HCJB and Evangelical Bible Missions through Life Radio Ministries of Griffin, GA. (Interesting to note that HCJB maintains an Auckland office. So does FEBC/FEBA).

UCB Papua New Guinea operate *Laif FM* with a 1kW transmitter at Wewak also due on air soon, to be followed by FM stations in six other major centers, starting with Goroka, Madang and Port Moresby. UCB of course are the Auckland based umbrella network for Radio Rhema whose outreach is probably the largest in the world.

Yet another broadcaster with an eye on the area is **WTJC 9370 The Fundamental Broadcasting Network** in Newport, NC. They've been busy raising funds for a radio ministry in Papua New Guinea to add to their new SW outreach. Meanwhile, **UCB Vanuatu** is now on air in Port Vila for the past few months, and has a licence for Luganville as well.

Eternity Broadcasting Network began TV broadcasts from **Honiara, Solomon Islands** on March 29. Opened by the PM, the station doesn't even have a licence. However, the Solomon's Minister of Foreign Affairs is local chairman of EBN which relays American programs via satellite from *Trinity Broadcasting Network* according to **Pacific Island Report**..

US based or affiliated Christian broadcasters and ministries are flooding the Pacific airwaves from PNG to Vanuatu to Solomons to Fiji to Tonga to Samoa and Tahiti, via AM and FM radio and local TV relay transmitters. Add SW broadcasts from Australia, Hawaii and Guam and the region is certainly being heavily targeted at present.

Bryan Clark, Auckland tells us that **ZFM Classics Lautoka** is another new private FM station in Fiji. They program all music for the 20+ tourism and local market near Nadi and the Western Division of Viti Levu.

He also adds: *The Christmas Island relay first appeared in the 1983 WRTM as using 1115 kHz with 1kW, but a frequency change to 846 was shown as a future plan. An identical entry is in the 1986 WRTM but with a note that the relay was inactive at the time of editing.*

Thanks Bryan. To my knowledge, reception of 1115 kHz was never reported here. Given a 1kW power, this should have been easily audible on the split channel apart from 2YX 1116 blocking it in some parts of the country. I wonder if it ever got to air.

Ernie Hakanson, Auckland sends the latest issue of the **New Zealand Vintage Radio Society Bulletin**. This includes an excellent and well researched article on the high powered Spark Radio stations in New Zealand (VLA Awanui, VLB Awarua) by George Newlands. There are plenty of historic photos.

Another important article is about *Ideas and Advice on the Disposal of a Collection* covering donations to museums and trusts, auctions, and how to protect and preserve radio collections as members get older.

Other articles include Part 3 of the Australasian Three Pin Power Plug, Filaments and Reactivation, Tube Restoration, Adventures of a Traveling Radioman (Part 2) and a round up of news from the Waikato get together. Plus the usual excellent Marketplace.

For more information on the **New Zealand Vintage Radio Society**, contact David Crozier 154 Grey Street, Onehunga, Auckland (T: 09 6365954) or email dckh@pl.net and visit their website www.nzvrs.pl.net as well.

George Rolton, Dunedin sends news about **The Wolf Network** from the free magazine *Communicator* put out by the Com-Centre in Auckland and Christchurch. Now on 1593 AM in Christchurch, all over the South Island on FM and slowly moving into the North Island on FM, their secret for expanding so rapidly is finally out.

They offer people in new coverage areas a free subscription to SKY Digital including the dish in return for installing a low power FM transmitter at their location. If you're interested, contact Wolf Radio Network, Site Provider/Registration of Interest, PO Box 116, Lake Tekapo, South Canterbury.

Jonathon Marks, Hilversum, Holland tells us that he found **Martin Hadlow's** article on Afghanistan last month to be 'fascinating stuff' and we've had other nice comments from members as well about Martin's efforts.

Bill Smith W5USM (USA via e-mail) says the latest ARRL Propagation Report can be found at <http://www.sec.noaa.gov/weekly> and we're now at the peak of the current sunspot cycle. The next solar minimum is predicted to be between September 2006 and April 2007.

Jerry Berg, Lexington MA has agreed to join the Heritage Committee and the *Radio Heritage Collection* with immediate effect.

Jerry is founder of the Committee to Preserve Radio Verifications, whose collection is held at the University of Maryland. A well known and respected authority on DX and radio history, Jerry has written books on the subject and has built a wonderful website featuring many articles about radio history.

The NZRDXL Archives and the CPRV will now begin a close association supporting each others activities, exchanging information and advice, and developing common programs.

Martin Hadlow, UNESCO, Kabul has been contributing to the *Radio Heritage Collection* as time permits, and has also been appointed to the Heritage Committee with immediate effect.

With a wealth of knowledge about broadcasting in Asia and the Pacific, Martin is a long time League member and we're fortunate that both Martin and Jerry have now joined **Adrian Peterson** as international members of the Heritage Committee.

You can now win 'History of International Broadcasting Volume 2' by James Wood!

Simply become a new subscriber to the e-DXT and you'll go in the draw to win this wonderfully researched book.

It covers major SW broadcasters since the Cold War with lots of inside material about transmitter sites and stations, and has fascinating chapters on who has the most powerful SW transmitters and why, plus company profiles on major manufacturers. Good stuff!

Published by the **Institute of Electrical Engineers** in London, the book retails for over NZ\$125 and has been kindly donated by the publishers.

Simply go to www.radiodx.com download the short membership form and airmail to PO Box 3011, Auckland, New Zealand. International cost is US\$10 or AU\$20 and you can pay by VISA or Mastercard. NZ members cost is NZ\$20 payable only by cheque or cash at this time.

All e-DXT subscriptions received from April 1-June 30 automatically go in the draw to win this great DX prize.

Remember, How to Listen to Africa! It's getting closer to the **2002 Vacation BCL Contest** with great prizes to be won for listening to African signals in a couple of month's time. Send your tips to the DXT on where and how to hear Africans. Our detailed guide on African reception in the Pacific appears in the DXT very shortly, helping you hear nearly every country on the continent. With new stations in **Malawi, Congo and South Africa** (see Ian's column last month) there's plenty to listen to. The prizes make the effort well worthwhile too!

The 2002 Latin American Radio Tour to Buenos Aires, Montevideo, Rio de Janeiro and Santiago **has been postponed until around April/May 2003.**

Qantas abruptly ended its direct Auckland to Buenos Aires service the week before Easter. As the tour is planned around a now non-existent service, we're working with our travel agent on new dates for the itinerary in 2003. We've contacted those who've already booked.

If you're interested in traveling on the new dates, please register your interest with Bruce Hosking, Calder & Lawson Travel, PO Box 4219, Hamilton, New Zealand. Fax: +64 7 856 2333 or email bhosking@hot.co.nz directly.

Plan now to join DXers from the UK, USA, NZ and others on this guided tour of the great cities of South America, radio station visits, meeting local DXers, some great DX and wonderful sightseeing. Itinerary details are at www.radiodx.com, or by emailing talkback@radiodx.com or writing to PO Box 14339, Wellington, New Zealand. Gracias amigos!

SUBSCRIPTION CHOICES. Note the details and prices listed below are for New Zealand subscribers.

As mentioned last month by Bryan Clark in the ADCOM pages, New Zealand subscribers now have 2 choices for the DX Times.

1. A printed copy of the NZ DX Times at \$35 per year.
2. An electronic only copy of the NZ DX Times sent as a Acrobat PDF file via email to your computer for \$20 per year.

You can download sample copies of the February and/or March 2002 DX Times in electronic pdf format for viewing at <http://radiodx.com/spdxr/edxt.htm>

NOTE. If you select option 1. A printed copy of the DX Times for \$35 you can also request an electronic copy in addition at no extra cost. Contact the Treasurer paverdp@ake.quik.co.nz for more details



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

KHz	UTC	Country, Station, Programme, & Reception Details
2310	1515	AUSTRALIA VL8A Alice Springs gd in EE with cricket commentary KAB 30/3
2325	1515	AUSTRALIA, VL8T, Tennant Creek poor in EE with cricket, better USB // 2310 KAB 30/3
2485	1515	AUSTRALIA, VL8K, Katherine fair in EE with cricket // 2310 — KAB 30/3
3200	1845	SWAZILAND, TWR fair in EE with item on Christian Barnard — SMF 5/4
3230	1850	STH AFRICA, World Beacon fair in EE with relig prgm — SMF 5/4
3255	1845	STH AFRICA, BBC WS via Myerton fair in EE with African service — SMF 5/4
3279.6	1006	ECUADOR, La Voz del Napo with Spanish talk, ID, vocals — RAD 17/2
3280	0900	ECUADOR, La Voz Del Napo relaying R Maria relig prgm, fair in Spanish — IC 19/3
3365	1815	INDIA, AIR Delhi with Home Service fair in Hindi then EE news at v1830, off at 1840 — IC 21/3
3366	0534	GHANA, Ghana BC poor though clear in EE hymn and church service, no sign on // 4915 — PWO 31/3
3560	1743	NTH KOREA, R Pyongyang fair in Spanish with spoken prgm and local pops, s/off 1755 with ID and Sked — KVB 9/3
3905	1037	PNG, R New Ireland fair/good in Tok Pisin/EE with local and national news ID 1116 — KVB 21/3
3995	1800	GERMANY, D Welle fair in EE with comment on Zimbabwe election, ID 1800 KVB 9/3
4421.2	1011	PERU, R Bambamarca with ID and fair signal — DNM 30/3
4747	0934	PERU, R Huanta 2000 fair/good in Spanish/vernac, ID 0938 — KVB 21/3
4759.7	0952	UNID, heard 30/3, 31/3 with mention of "Satallite", poor modulation inaudible past 1022 as Bolivian on 4761.7 s/on, needs more work DNM 30/3
4760	0621	LIBERIA, ELWA with relig singing in EE then into church service, weak — DNM 31/3
4761.7	1022	BOLIVIA, R Guanay (tent) with natl anthem at s/on, tent ID, then varied music over 30 minutes, RTTY on nUSB but good with high static level DNM 31/3
4770	0532	NIGERIA, R Nigeria, Kaduna poor/fair with sermon in EE — PWO 30/3
	1850	NIGERIA, R Kaduna poor with lady speaking — SMF 5/4
4781.4	1050	ECUADOR, R Oriental good in Spanish with ID including country DNM 31/3
4796	0920	BOLIVIA, R Mallku with typical Bolivian songs and music — IC 19/3
4800	1735	INDIA, AIR fair in EE with news then into another language, some QRN — CC 10/3

4825	0810	BRAZIL, Cancao Nova fair in Portuguese, regular here — IC 15/3
4832	0442	HONDURAS, R Litoral La Ceiba (tent) here with EE relig prgm from USA, s/off 0457 after music, no IDs heard — PWO 31/3
4845	1855	MALAYSIA, R Malaysia in Tamil good with music and news after time pips SMF 5/4
4876	0947	BOLIVIA, R La Cruz del Sur good/fair in Spanish & vernac with music, ads and spoken segments, ID 1003 — KVB 21/3
4890	0855	PNG, Port Moresby with music prgm, 0900 news in Tok Pisin. V good at 1250 with music and News Roundup in EE — KAB 14/3
4915	1022	PERU, R Cora fair/good in Spanish with ads and bright music, numerous canned IDs — KVB 23/3
4919	0717	ECUADOR, R Quito fair in Spanish with ID and lively music, some noise and distortion — CC 11/3
	0750	PERU, R Quito fair but noisy with Andean music — JSB 16/3
4926	0915	BOLIVIA, R San Miguel fair in Spanish with music and ads, 0931 sung ID plus "RadioŌ.Catolica" — KVB 21/3
4950	1907	SAO TOME, VOA with news and current affairs, fair/poor — SMF 5/4
4960	0500	SAO TOME, VOA poor at s/on in Hausa and steadily improving to s/off at 0530 — PWO 31/3
4965	1801	ZAMBIA, R Christian Voice poor in EE with news and music, ID 1804 KVB 26/3
	1909	ZAMBIA, R Christian Voice excellent in EE with relig pops and talk SMF 5/4
4991	0432	SURINAME, R Apintie vocals followed by ID and pop music — RAD 3/3
5009.7	1027	DOMINICAN REP, R Cristal (p) weak with Spanish between music. No sign of Altura on 5009.5 heard on 6/3 — DN 2/3, 23/3
	1050	DOMINICAN REP, R Cristal Intl finally got ID on this one, jazz between news items, fair — DNM 28/3
5015	0800	BRAZIL, R Pioneira with s/on with call letters, freqs, ID, relig message then pops — JB 24/3
5019.9	1100	SOLOMON IS, SIBC with closedown and then into BBC WS relay — JB 13/3
5020	0800	SOLOMON IS, SIBC good with letter time in EE, heavy fading — JSB 9/03
	0854	SOLOMON IS, R Happy Islands with music and comment in EE. ID at 0900 followed by news — KAB 14/3
5030	0610	BURKINA FASO, R dif National fair with hi-life music — PWO 29/3
	1503	CHINA, PBS Beijing (p) good in Chinese with ute QRM — KAB 30/3
	1830	BURKINA FASO, R Burkina with slow careful French in African accent with musical interludes, faded out as morning progressed — DN 16/3
	2315	BURKINA FASO, RTV Burkina with music prgm, very strong. Ended at 2359 with IS of birds in the background — JB 16/3
5032.1	1049	PERU, UNID but appears to be something like "Radio Indicees"???, better on USB. IDed by Cumbre as Radio LTC — DNM 30/3
5040	1510	INDIA, AIR Jaypore (p) with Hindi chanting with typical Indian music KAB 30/3
5460.3	1115	PERU, R Bolivar (presumed) excellent signal going through place names taking requests — DNM 28/3
5470.8	1117	PERU, R San Nicholas with Spanish version of "Sarah", full ID at 1126 — DNM 30/3
5925	1138	VIETNAM, V of Vietnam good in Vietnamese with news and local music,

		1159 to 1203 child's voice with several refs to Vietnam — KVB 23/3
5935	0930	USA, WWCR good in EE with ID Dr Gene Scott, gospel music — KAB 19/3
5952.3	0433	BOLIVIA, R Pio Doce fair with gospel music in Spanish, on late for Easter as was R San Miguel 4927 — PWO 31/3
5957.6	1000	COLOMBIA, R Caracol strong at 1000 with news in Spanish, signal slowly drifted off — JB 15/3
5964.7	1053	BOLIVIA, R Nacional, Huanuni v good with interview in Quecha DNM 28/3
5965	0603	BRAZIL, R Trans Mundial via R Nova Visao, full ID in Portuguese with relig talk — PWO 29/3
5970	0600	SAO TOME, VOA poor/fair in the clear with VOA News Now, better on // 5995 — PWO 29/3
5975.2	0925	COLOMBIA, R Autentica with Spanish relig prgm, ID and prgm info at 0956, fair to good with some splatter — RAD v17/2
5980	0854	USA, R Marti poor/fair in Spanish with rumba music, ID 0900 — KVB 16/3
5980	0955	USA, R Marti fair in Spanish with Latin music and comment — KAB 19/3
5995	0940	AUSTRALIA, R Australia via Brandon in Tok Pisin to PNG, fair — KAB 19/3
6020	0300	CANADA, DW via Sackville in EE, V good with African News — JSB 16/03
	0940	AUSTRALIA, R Australia Shepparton v good in Tok Pisin with Pacific news — KAB 19/3
	1100	AUSTRALIA, R Australia with Asia/Pacific Saturday Edition in EE, v good — JSB 9/03
6030	0950	USA, R Marti v good in Spanish with lively comment and music KAB 19/3
6040	0905	BRAZIL, R Paranaense fair in Portuguese with up-beat prgm, ads, rooster, canned ID 0919 — KVB 16/3
6045.4	0940	PERU, R Santa Rosa Lima fair in Spanish with comment. Lima and Santa Rosa mentioned — KAB 19/3
6046	0600	PERU, R Santa Rosa poor/fair with relig prgm in Spanish — PWO 29/3
6055	0505	SPAIN, REE good in EE with world news, ID at 0506 — CC 29/3
6070	0738	CHILE, R Voz Cristiana fair in Spanish with male vocalist, some distortion // 11690 the same — CC 25/3
6090	1004	CHILE, R Esperanza poor/fair in Spanish with contemp relig music, IDs 1011, 1026, signal weaker after 1025 — KVB 21/3
6100	0625	LIBERIA, R Liberia Intl after DW, R Tirana with music, natl anthem and ID, very low audio — JB 30/3
	0630	LIBERIA, Voice of Liberia with African music, greetings to listeners, ID 0641, signal fluttery but good — JB 19/3
	0630	LIBERIA, R Liberia fair with ID including "international", nothing on 5100 — DNM 31/3
6110	1200	PHILIPPINES VOA fair with CRI underneath — JSB 9/03
6115	0845	JAPAN, R Tampa with continous music until 0859, then ID wnd Japanese talk. Another canned ID 0900 followed by talk prgm — RAD 27/2
6150	1243	SINGAPORE, R Singapore Intl fair in EE with Singapore news and ID// 9600 poorer — CC 5/3
6265	0434	ZAMBIA, R Zambia poor/fair though improving past 0500, mostly chat in vernac — PWO 29/3
6715	2333	UNID, Korean on USB , relig stn , good but unusual amount of very strong

		RTTY QRM — JB 22/3
6900	0528	TURKEY, Turkish Meteorology Stn (p) with non-stop Turkish vocals, poor/fair. Checked again next night, nothing — RAD 10/2
6973	0539	ISRAEL, Galei Zahal fair with chatty prgm in Hebrew — PWO 29/3
7140	0730	INDIA, AIR Hyderabad fair in Hindi with QRM — JSB 9/03
7145	1910	VIETNAM, V of Vietnam poor in EE suffers severe co-channel QRM IC 11/3
7165	1654	ETHIOPIA, R Ethiopia fair in EE with music noisy and distorted // 9560 weak CC 10/3
7170	0730	UK, VOA in Arabic via Woofferton, fair with fading and QRM — JAB 9/03
7185	1234	BANGLADESH, R Bangladesh fair bin EE with news, noisy // 9550 with QRM CC 5/3
	1745	BANGLADESH, R Bangladesh fair in EE with music, ID and transmission details // 9550 noisy — CC 30/3
7200	0910	RUSSIA, Sakha Radio Yakutsk // to R Rossii to 0910 then own prgm, highly variable from day to day. — JB 21/3
7260	0637	VANUATU, R Vanuatu fair in Bislama with messages to listeners KAB 14/3
	0930	RUSSIA, RN fair in EE with IS, ID, news then Europe Unzipped — JSB 9/03
7355	0730	USA, WYFR v good in EE — IC 10/3
7375	0438	UKRAINE, R Ukraine Intl good in EE with orchestral music // 7420 poorer — CC 24/3
7455	1740	GUAM, KSDA fair in EE with talk about Easter// 9385 & 11560 clearer CC 30/3

Logging of the month goes to **David Norrie** for R Cristal Internacional, Dominican Rep on 5009.75 at 1000 Watts non directional.

My thanks to all the contributors, with a good variety of loggings. 73's, Ken Baird

CONTRIBUTORS FOR THIS MONTH

CC - Cliff Couch, Paraparamu, ATS 803A, 60m horizontal loop, 2x30m wires N/S & E/W: **DN** — David Norrie, Auckland, AOR 7030, T2FD, 25m longwire with balun, 12m vertical : **DNM** — David Norrie, Matarangi, AOR 7030, 50m wire through bushes : **IC** — Ian Cattermole, Blenheim, JRC NRD 535, T2FD and Alpha Delta antennas: **JB** — Jerry Berg, Lexington, MA, USA, R8, 165ft longwire : **JSB** — Jon Standingbear, California, JRC NRD345, 80ft longwire : **KAB** - Ken Baird, Christchurch, R5000, Drake SW2, 15m wire, SW Eavesdropper: **KVB** — Kelvin Brayshaw, Levin, Collins 51J4, 40m&70m horizontal Loops : **PWO** — Paul Ormandy, Waianakarua, SPR4, Numerous Beveridges : **RAD** — Richard D'Angelo Wyomissing USA, R8B, Lowe HF 150, Alpha Delta sloper, RF Systems mini window, Datong FL3, JPS ANC4 : **SMF** — Mark Forsyth, Oamaru, AOR 7030, 100 ft wire NE direction.

Contributions to this column may be sent to PO Box 3011, Auckland or K A Baird, 10 Sarabande Avenue, Christchurch, 5. Ph: +64 3 352 6455, FAX: +64 3 354 1347, e-mail to ka.baird@xtra.co.nz



Hello from Trentham where we managed to survive the Easter storms that stopped the Cook Strait ferries for several days. Many of the International stations in this part of the shortwave spectrum have changed their schedules at the end of last month, so look out for changes. Check out the happy surfer internet site if you find a strange station on your usual frequency. All times given are UTC.

KHZ TIME COUNTRY STATION & PGM DETAILS INITIALS

9335	0401	USA WCBQ (tentative) air in EE with various adverts then pgm on New Testament 23/3 KVB
9440	0115	SLOVAKIA R Slovakia Intl fair in EE with news and comment about Slovak politics, 20/3 KAB
9445	2033	SWEDEN R Sweden Good in EE with ref to 50th Anniversary Nx and Wx 2 degrees in Stockholm at noon Id at 2058 22/3 KVB
9510	0210	ROMANIA RRI Fair in EE with News Id @ 2013 Some Noise 17/3 CC
9530	1401	THAILAND R Thailand Strong in EE with Thai News & local music 29/3 CC
9550	2123	CONGO-KINSHASA R. Okapi, Kinshasa, Thanks to initial info from Vashek Korinek in Sth Africa and subsequent alert from Tony Ward-ONT, heard this new UN-Hirondelle stn from 17/3 weak signal but building. Improved a bit at 2137, and got a quick preliminary "Okapi" Id at 2138, a definite one at 2146. All soul-type vocals or African vocals, with occasional quick Ids between some songs. Signal rose and fell, as did the co-channel signal from Cuba which did not sound too healthy itself. Spill over from 9555 was also a problem. Still there at 2250 with another Id and nominally dominant on channel crisp audio helps it stand out. Even better during a short break at 0025 18/3 JB
9575	0528	MOROCCO R Medi Un Strong in FF talk with orchestral music 29/3 CC
9640	0300	ANTIGUA D/Welle relay Fair in EE with Spotlight pgm Nx & current affairs 18/3 RP
9715	1225	UZBEKISTAN R Tashkent Fair in EE with Mailbox pgm S/off @ 1228 15/3 CC
9805	2200	NETHERLANDS RCI via Flevo Poor in EE 26/3 IC
9820	0158	CUBA R Habana Cuba Weak & Noisy in EE with Mx Id and Nx better at 0530 17/3 CC
9840	1256	VIETNAM VOV Noisy & distorted in EE with local Mx //12020 same Some days are better like 29/3 5/3 CC
9875	0400	AUSTRIA AWR Fair signal in AA I/sig & theme music gave Nicosia QTH 18/3 RP
9925	1830	RUSSIA RVI via Krasnodar. Good in EE. 17/3 IC
9960	1858	ARMENIA Radio International Feb 9, open carrier until brief I/S or opening music followed by man with ID in German. After choir vocals, a man gave a long religious talk. Sign off with closing announcements by a woman including Id and frequency. Fair signal but noisy conditions. RAD
10320	0455	HAWAII AFRTS Fair in EE in USB mode with Page 3 of US News Id 0500 29/3 CC
11550	1646	TAIWAN R Taipei Int. Good in EE with "Lets learn Chinese" 26/3 CC
11590	0930	CHINA Voice of the Straits. Good in EE Fri/Sat only. Gave e-mail as

china@radiohx.com 8/3 IC

11645 1930 GREECE Voice of Greece. Good with EE news. 6/3 IC
11675 0835 NEW ZEALAND RNZI Good with National programme.18/3 IC
11675 1105 NEW ZEALAND. New Zealand Forces Radio (via RNZI) New Sat/Sun pgms for NZ Defence Forces overseas starting Saturday, Mar 23, times and frequencies as of Mar 31 appear to be 1105 on 11675, 1905 on 15160, 0705 on 11675. I checked 11675 at 1105 31/3, regular pgm went off briefly, then returned at reduced level must have been antenna change. "I'm Katrina Batten and this is NZ Forces Radio. We're calling members of the NZ Defence Force overseas, courtesy of R. NZ Intl, the Armed Forces Canteen Council, and the NZ Defence Force." Into military-related Nx. JB

11710 0220 ARGENTINA, RAE fair in EE with news and lots of tangos, Id 0257, 20/3 KAB
11720 1800 GERMANY FEBC via Julich strong in Tagalog? and some EE. 22/3 IC
11765 0800 ALASKA KNLS Anchor Point Fair in EE with repeated Id's Rather distorted 11/3 CC
0835 Fair in EE with item on Kansas City Blues Festival in July then religious pgm Id @ 0836 27/3 KVB

11785 0000 BRAZIL R Guaiba, Sao Paulo, poor-fair in PP though in the clear with news & plenty of Ids till blocked by V of Indonesia's Spanish service at 0030. Other Brazilians audible were Bandeirantes 11925 & 9645, Aparecida 9630 Tupi 9565 (best of the lot) and Brazil Central 11815. 30/3 PWO

11800 0055 ITALY RAI fair in EE after IS, Id with news about boat people, 20/3 KAB
11810 2243 JORDAN R Jordan Good in AA with spoken pgm Id & S/off at 2257 26/3 KVB
11825 0533 GT BRITAIN JSWC SPECIAL. VOA version, at 0533-0558 Mar 16 via Woofferton, good signal, VOA News Now 0530, special pgm 0533 with KAE and Toshi Ohtake talking about JSWC and SW in Japan to 0544, then KAE contd. with pgm about VOA JP Svc. Address for reports: JSWC 50th Anniv. Committee, P.O. Box 138, Yokohama Port, 231-8691 Japan (enclose 1 IRC orUS\$1). JB

11830 0911 BRAZIL R Anhanquera Pr-Fr in PP with spoken pgm & ads. Id at 0923 10/3 KVB
11840 0900 RUSSIA R Sakhalin in USB mode From continued monitoring it appears that their own pgm is 0900-1000 daily except Sun; they break away from R. Rossii (13705) at 0900 and pick it up again at 1000. Pgm is usually Mx and telephone talk. Finally got positive Id on 22/3. Opens with piano melody, and "Radio Sakhalin" can be heard. JB

11875 0057 ROMANIA RRI. Fair in PP. // 15250 stronger but suffers severe co-channel QRM from VOA. 27/3 IC

11900 0000 USA WWBS Macon GA, 0000 poor-fair at sign-on with id then program "Diamond In the Rough". 30/3 PWO

11960 2100 GUAM"JSWC SPECIAL." AWR version, 2100-2121 Mar 17 via KSDA Opening sequence or AWR in progress at 2057 tune-in, Ids in EE, announcement for JP svc, Id for KSDA in EE and JJ, Sked then fanfare-type intro Mx and JSWC pgm, all talk among three people in JP. Only things that gave it away were voice of Toshi Ohtake, which I recognized from the VOA pgm, and mention of "SW DX Digest" or something that sounded like that at 2111. Fanfare Mx again at 2121, then seemed to return to regular pgm. Pretty impressive signal for Guam at this hr. JB

11980	1629	GUAM KSDA Strong in EE with Id followed by hymn tune 26/3 CC
12160	2100	USA WWCR Good in EE. 6/3 IC
12015	1930	THAILAND VOA Udorn Fair in special EE. 10/3 IC
12690	0446	USA? AFRTS Fair in EE in USB mode with Sports news 29/3 CC
13790	1730	GERMANY SRI VG in EE. 12/3 IC
15120	0619	NIGERIA VON Fair in EE with African News but a little distorted //7255 suffers QRM 12/3 CC
15150	2010	INDONESIA, R Indonesia Intl good in EE with local news 15/3 KAB
15185	2210	PHILIPPINES, VOA fair in EE with news, 25/3 KAB
15195	2200	PHILIPPINES R Filipinas fair at S/on with transmission details. Slight hum on audio 31/3 PWO
15200	1247	GUAM KTWR Fair in EE with Scripture reading Id 0744 Some QRM 11/3 CC
15230	2230	AUSTRALIA R Australia VG in EE. 11/3 IC
15280	0312	ARGENTINA, RAE good on LSB with football commentary in SS 14/3 KAB
15280	1000	SINGAPORE RTE relay V/good in EE with RTE 1 pgm 28/3 AMQ
15335	0127	PHILIPPINES R Veritas Asia Fair in EE/Hindi Usual I/signal and full Id for preceding few minutes then into Hindi at 0131 27/3 KVB
15335	0400	ROMANIA RRI Fair in EE. 30/3 IC
15355	2130	AUSTRIA AWR Moosbrunn, 2130 fair with "Wavescan" Sundays UTC. 31/3 PWO
15340	0645	NEW ZEALAND RNZI Good with National programme.18/3 IC
15370	0200	ROMANIA RRI Fair in EE with News then talk pgm 18/3 RP
15425	0134	SRI LANKA R Sri Lanka Fair-Poor in EE with Back to Bible pgm at 0200 News from SLBC YL with muffled audio 27/3 KVB
15460	0822	RUSSIA VORWS Good in EE with item on diets to prevent cancer Then Nx at 0830 27/3 KVB
15555	1730	GERMANY SRI VG in EE to off at 1800 11/3 IC
15700	1247	BULGARIA R Bulgaria Fair with Bulgarian Nx Id @ 1249 Distorted 5/3
15705	0259	Unknown Location VOA Good signal with S/off then S/on in unidentified Lang 27/3 KVB
15820	2345	ARGENTINA in LSB, Radio Continental, Feb 17, two men describing soccer match in SS with Id and ad string around 0015. Fair signal. RAD
17665	0730	GERMANY SRI. Poor in EE. Severe QRM. // 13635 much better. 12/3 IC
17680	1818	PORTUGAL RDP Good in PP with Sat. night football A few goaaaaaaaals 9/3 KVB
17735	0914	CHINA CRI Good in II with spoken pgm then language lesson S/off after Id 0927 27/3 KVB
17810	1916	SRI LANKA D/Welle fair but fluttery in EE with Euro press review and Nx of forthcoming Ukrainian elections Id 1922 KVB
17870	1703	SOUTH AFRICA Channel Africa Fair in EE with News & Id Noisy 26/3 CC
21470	0224	ECUADOR HCJB World Radio very strong signal but with clipped modulation in English during 'Studio 9' pgm. Announced as North American Service. Different pgm on 21455 USB. 1/4 BDC
21505	0759	SAUDI ARABIA BSKSA Riyadh very strong in Arabic. Time pips & Id on the hour, then news 31/3. Also noted in French on 21600 from 0800. BDC
21620	0605	FRANCE Radio France International with EE newscast and actuality reports, fair 1/4. BDC

21695.3 0400 UAE R Dubai opening abruptly into EE 0530 after anthem when Id given as "Dubai FM News, its 9.30". Usual noisy transmitter now also drifting 23/3. BDC

21755 0815 JAPAN NHK V/good in JJ. 15/3 IC

21780 0415 NORTHERN MARIANAS R Australia via Tinian Relay, V/good with Id in Indonesian, closes 0430 1/4. BDC

21790 0545 THAILAND R Thailand with "Business News" in English, very good 1/4. Off abruptly 0559. BDC

21810 0600 IRAN IRIB opens strongly 1/4 with anthem, announcements in Hausa, then Quran. News from 0607. BDC

21815 0040 COSTA RICA RFPI Fair in USB mode with discussion pgm in EE A little distorted 17/3 CC

21850 2130 VATICAN CITY Vatican R fair in SS w/usual religious talk. 29/3 PWO

29810 1904 ARGENTINA Radio Continental via LSB feeder, far with Spanish talk & popular music. Faded quickly at 1930 29/3. Better reception 30/3 when heard from 2048 past 2245. BDC

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 Thanks very much to all contributors for this month.

Logging Competition the winning logging is: **Cliff Couch with R Medi Un Morocco 9570 kHz**

You can contact me via PO Box 3011 Auckland or direct at:
 36A Brentwood Street Trentham Upper Hutt. Please remember the A (A for Andy) otherwise your mail may be delayed or you can use the E-mail address as listed above.

73's
 Andy McQueen

SHORTWAVE EXCHANGE

ABD Arthur De Maine at Otaki Beach Drake R8 & 30 m long wire/ **AMQ** Andy McQueen Trentham Upper Hutt Sony 6800W 30m long wire / **BDC** Bryan Clark Auckland + AOR7030/
CC Cliff Couch Paraparaumu Sangean ATS 803A with 60m horizontal loop /**KAB** Ken Baird Christchurch Drake SW2, Multi trapped dipole. **IC** Ian Catermole Blenheim JRC NRD535 T2FD and Alpha Delta antennae / **JB** Jerry Berg Lexington Ma USA Drake R8 and 165 foot long wire(50 metres?) / **KVB** Kelvin Brayshaw Levin Collins 51J4 and HF loop / **RAD** Richard D'Angelo on DX expedition French Creek State Park USA Drake R-8B, 500 foot wire essentially north, 100 foot wire essentially southeast and a Montgomery Active Antenna, Datong FL-3 /**RP** Robert Park Lower Hutt Kenwood R1000 & 40 foot(13m) longwire



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, ZLIGYM (yuri@win.co.nz <http://www.linradio.com/sources.htm>)

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

Time (UTC)	Frequencies (kHz)	Station Name	Station Country	Log Date	DXer Name
0000	11900f	WWBS	USA	30/3	PWO
0040	21815(USB)f	RFPI	COSTA RICA	17/3	CC
0055	11800f	RAI	ITALY	20/3	KAB
0115	9440f	R Slovakia Int	SLOVAKIA	20/3	KAB
0127-0131	15335f	R Veritas Asia	PHILIPPINES	27/3	KVB
0134-0200	15425f	R Sri Lanka	SRI LANKA	27/3	KVB
0158	9820p	R Habana	CUBA	17/3	CC
0200	15370f	RRI	ROMANIA	18/3	RP
0210	9510f	RRI	ROMANIA	17/3	CC
0220-0257	11710f	RAE	ARGENTINA	20/3	KAB
0224	21455(USB):21470e	HCJB	ECUADOR	1/4	BDC
0300	6020g	DW	GERMANY	16/03	JSB
0300	9640f	D/Welle	GERMANY	18/3	RP
0400	15335f	RRI	ROMANIA	30/3	IC
0401	9335f	WCBQ (tent)	USA	23/3	KVB
0438	7375g:7420f	R Ukraine Int	UKRAINE	24/3	CC
0442-0457	4832	R Litoral La Ceiba	HONDURAS	31/3	PWO
0446	12690(USB)f	AFRTS	USA	29/3	CC
0455-0500	10320(USB)f	AFRTS	USA	29/3	CC
0505-0506	6055g	REE	SPAIN	29/3	CC
0530	21695.3	R Dubai	UAE	23/3	BDC
0532	4770f	R Nigeria	NIGERIA	30/3	PWO
0533-0558	11825g	VOA	USA	16/03	JB
0534	3366p:4915	Ghana BC	GHANA	31/3	PWO
0545-0559	21790g	R Thailand	THAILAND	1/4	BDC
0605	21620f	Radio France Int	FRANCE	1/4	BDC
0619	7255:15120f	VON	NIGERIA	12/3	CC
0621	4760	ELWA	LIBERIA	31/3	DNM
0645	15340g	RNZI	NEW ZEALAND	18/3	IC
0730	7355g	WYFR	USA	10/3	IC
0730	13635g:17665p	SRI	SWITZERLAND	12/3	IC
0800	5020	SIBC	SOLOMON IS	9/03	JSB
0800	11765f	KNLS	ALASKA	11/3	CC
0822-0830	15460g	VORWS	RUSSIA	27/3	KVB

0835	11675g	RNZI	NEW ZEALAND	18/3	IC
0835-0836	11765f	KNLS	ALASKA	27/3	KVB
0854-0900	5020	R Happy Islands	SOLOMON IS?	14/3	KAB
0930	5935g	WWCR	USA	19/3	KAB
0930	7260f	RN	NETHERLANDS	9/03	JSB
0930	11590g	Voice of the Straits	CHINA?	8/3	IC
1000	15280g	RTE	SINGAPORE?	28/3	AMQ
1037-1116	3905g	R New Ireland	PNG	21/3	KVB
1100	6020g	R Australia	AUSTRALIA	9/03	JSB
1105	11675	NZ Forces Radio	NEW ZEALAND	31/3	JB
1225-1228	9715f	R Tashkent	UZBEKISTAN	15/3	CC
1234	7185f:9550	R Bangladesh	BANGLADESH	5/3	CC
1243	6150f:9600p	R Singapore Int	SINGAPORE	5/3	CC
1247	15200f	KTWR	GUAM	11/3	CC
1256	9840:12020	VOV	VIETNAM	5&29/3	CC
1401	9530e	R Thailand	THAILAND	29/3	CC
1515	2310:2325p	VL8T	AUSTRALIA	30/3	KAB
1515	2310:2485f	VL8K	AUSTRALIA	30/3	KAB
1515	2310g	VL8A	AUSTRALIA	30/3	KAB
1629	11980e	KSDA	GUAM	26/3	CC
1646	11550g	R Taipei Int	TAIWAN	26/3	CC
1654	7165f:9560p	R Ethiopia	ETHIOPIA	10/3	CC
1703	17870f	Channel Africa	SOUTH AFRICA	26/3	CC
1730	13790g	SRI	SWITZERLAND	12/3	IC
1730-1800	15555g	SRI	SWITZERLAND	11/3	IC
1735	4800f	AIR	INDIA	10/3	CC
1740	7455f:9385:11560	KSDA	GUAM	30/3	CC
1745	7185f:9550	R Bangladesh	BANGLADESH	30/3	CC
1800	3995f	D Welle	GERMANY	9/3	KVB
1800	11720	FEBC	PHILIPPINES	22/3	IC
1801-1804	4965p	R Christian Voice	ZAMBIA?	26/3	KVB
1830	9925g	RVI	BELGUIM	17/3	IC
1830-1840	3365f	AIR	INDIA	21/3	IC
1845	3200f	TWR	SWAZILAND?	5/4	SMF
1845	3255f	BBC WS	UK	5/4	SMF
1850	3230f	World Beacon	USA	5/4	SMF
1909	4965e	R Christian Voice	ZAMBIA?	5/4	SMF
1910	7145p	V of Vietnam	VIETNAM	11/3	IC
1916-1922	17810f	D/Welle	GERMANY	-	KVB
1930	11645g	Voice of Greece	GREECE	6/3	IC
1930	12015f	VOA	USA	10/3	IC
2010	15150g	R Indonesia Int	INDONESIA	15/3	KAB
2033-2058	9445g	R Sweden	SWEDEN	22/3	KVB
2100	12160g	WWCR	USA	6/3	IC
2100-2121	11960	KSDA	GUAM	17/03	JB
2130	15355f	AWR	AUSTRIA	31/3	PWO

2200	9805p	RCI	CANADA	26/3	IC
2210	15185f	VOA	USA	25/3	KAB
2230	15230g	R Australia	AUSTRALIA	11/3	IC

shortwave.mailbag@radiodx.com

Compiled by **Laurie Boyer, Invercargill**

Bryan Clark, Auckland Radio Netherlands via Abu Dhabi 21575 (Royal wedding special transmission)

Robert A Park, Lower Hutt verifications Voice of Cairo, 9990 (a new country), RDP Portugal 17575, Radio Nederlands Bonaire 6175, Voice of Korea 9775.

John Durham, Tauranga AFN Guam 5765, VOA Delano 9350

Stu Forsyth, Wellington DW Antigua 9690

Ian Cattermole, Blenheim Remnants Hope (RHM) 13810, Air Bangalore 13795, REE 9710, 13720, AWR Moosbrunn 17820, CRI 9585, World Beacon Dubai 15340, 9575, 17850, VOA Tinian 13745, Voa Morocco 17895, Radio Romania Int 9550, WEWN 11530, RNZI 11980, RTV Tunisienne 9720 (EM), Tamil BC Corp Julich 21590 (EM), Hrvatska Radio 1380.

Best of Month Under 9mhz AFN Guam 5765, John Durham

Best of Month Over 9mhz RTV Tunisienne 9720, Ian Cattermole

Update: Reception of BBC World Service

Compiled by
Ken Baird
Christchurch

As a result of world events, and the frequency changes at the end of March (A02), I have been monitoring the BBC to get a revised list of "good" frequencies to listen to their World Service. At the moment, good, unbiased comment on world events will be of interest to many members, and I hope the frequency list below will help. # = Good reception

UTC

1800	6195#, 9410, 12095
1900	6195#, 9410, 9630, 12095L, 15400#
2000	9410, 12095, 15400#, 17830
2100	9410#, 12095L, 15400#
2200	11685#, 11835U
2300	11945
0000	12095, 15310#, 17790
0100	12095#, 15310, 17790
0200	12095#, 15310L, 17790
0300	9410#, 12095, 15310, 15575#, 17790, 21660
0400	9410#, 12095, 15310, 15575#, 17760, 21830
0500	6195, 9410#, 11765, 12095, 15310, 15575#, 21660
0600	7160, 9410#, 11765, 12095#, 15565, 17640
0700	11765, 12095#, 15485, 15565, 17640
0800	12095#, 15360, 15485, 15565, 21830#
0900	12095, 15360, 15485, 15565, 17640, 17760, 21660#
1000	6195#, 12095, 15360#, 15565, 17640#, 21660 Good listening, Ken Baird 05-04-02

dxissimo

Compiled by John Durham, Tauranga

CONGO.DEM.REP.

9550kHz. Radio Okapi, Kinshasa. In Sth Africa nice and strong signal. Is coming through with fair signal at 09.00 so possibly 24hours/day? Was off the air Mar20&21.

(Vashek Korinek, RSA, DSWCI DX Window Mar 27 via DXLD)

BOLIVIA

Radio Nacional Huanuni. 5964.87[73] 10.10 several mentions of Bolivia. Transmitter jump from .87 to .73 at 10.17. (Bob Wilkner, Margate, FL, USA)

Radio Dif. Minería.

10.00-10.35. (Bob Wilkner, Margate, FL, USA)

GUATEMALA

Radio Cultural is currently being heard in Europe 02.00-03.00 on 5955kHz in // to 3300kHz best in USB. (Stuart Austin, Blackpool, England.)

GUYANA

Voice of Guyana 3291.31kHz. 09.40-10.05 with Hindi music, good signal but a bit undermodulated. 15th March. (Bob Wikner FL USA HCDX)

NAMIBIA

The only night frequency at the moment is 3270 presumed 17.00-05.00 and the day one 6060 presumed 05.00-17.00. Both frequencies the same transmitter, I suppose are quite undermodulated and the signals are much weaker than I would normally expect here. Could be that the last SW transmitter is on the way out? (Vashek Korinek, RSA DSWCI DX Window Mar 27 via DXLD)

PERU

Radio Satellite, back on 6725vkHz. Radio Satellite from Santa Cruz, is back again. Heard 17th March 2002 between 00.15-01.10 drifting from 6725.65-6725.82kHz. The station disappeared for several years from the sw bands and returned now on its old frequency 6725.7v. Until 1996 R Satellite was to be heard almost every night, with quite good signal. Unfortunately the present reception quality cannot be compared to the good signal some years ago. Obviously the transmitting power has been decreased drastically. The next disappointment: the program. Nothing of nice Peruvian music, only religious stuff. (Michael Schnitzer, HCDX list March 2002)

Radio Huanta 2000 4746.8 kHz. Huanta. 09.18-09.23. March 02. Local music. The program is conducted by male in SS/Quechua. Greetings. Ann.: "por Radio Huanta" (Araldo Slaen, Argentina. HCDX)

Radio del Pacifico. 4975kHz Lima. 10.10-10.15. March 02. Religious programme conducted by male in SS. Ann and ID as "con gran alegría estamos con todos ustedes a traves de Radio del Pacifico.. nuestro agradecimiento a todos aquellos quienes nos escuchan a traves de esta vigilia radial". (Araldo Slaen, Argentina. HCDX.)

Radio Cusco. 6193.7kHz. Cusco. 09.35-09.47. March 02. Huaynos and other local folk music

non stop.GRM from BBC at 10.00 on 6195kHz.(Arnaldo Slaen.Argentina. HCDX)
Radiodifusoras Huancabamba
6573.4kHz.Huancabamba.09.25-09.33.March 02.Very nice folk music.Greetings by
male.Local Advs.read in Quechua/SS by the same speaker.(Arnaldo Slaen.Argentina.HCDX)
Radio Madre de Dios, Puerto Maldonado.4950.17kHz.10.30.(Con Dig. Bjorn Malm.Ecuador)
Radio la Oroya 4904.65kHz 04.30 Huanyos Mx.(Ruud Vos Utrecht.Holland.HCDX)

SURINAME

Radio Apintie 4999.95kHz.07.30 Noted with a far greater number of announcements and talk
breaks than in the recent past.Strange mix of language,with a few English words thrown
in.ID several times around 07.43.As usual undermodulated.(David Hodgson Nashville TN
USA HCDX)

ZIMBABWE

5975kHz ZBC Mar 13 &15,20.30-23.00 booming in with African Mx,20.55 ID and Nx in
Shona or Ndebele by man at 21.00.(Korinek,RSA &Vaghjee,Mauritius,DSWCI DX Window Mar
27 via DXLD) Good signal here in Tauranga at 19.15 Ed.

shortwave.report@radiodx.com

Compiled by Ian Cattermole, Blenheim

BELARUS: Radio Station "Belarus"

Transmissions: 01.00 - 03.00 UTC 1170, 6070, 7210 kHz(Summer) 19.00 - 21.00 UTC 1170,
7105, 7210 kHz

Transmissions: 02.00 - 04.00 UTC 1170, 6070, 7210 kHz(Winter) 20.00 - 22.00 UTC 1170,
7105, 7210 kHz

UTC Monday Tuesday Wednesday Thursday

02.00 / 01.00 Belarusian Belarusian Belarusian Belarusian

02.30 / 01.30 Belarusian Belarusian Belarusian Belarusian

03.00 / 02.00 English Belarusian English German

03.30 / 02.30 Russian Belarusian Belarusian Belarusian

20.00 / 19.00 Belarusian Belarusian Belarusian Belarusian

20.30 / 19.30 Belarusian English German English

21.00 / 20.00 Russian Russian Russian Russian

21.30 / 20.30 Belarusian English German English

Friday Saturday Sunday

02.00 / 01.00 Belarusian Belarusian Belarusian

02.30 / 01.30 Belarusian Belarusian Russian

03.00 / 02.00 English English English

03.30 / 02.30 Belarusian Belarusian German

20.00 / 19.00 Belarusian Belarusian Belarusian

20.30 / 19.30 Russian German German

21.00 / 20.00 Belarusian Russian Belarusian

21.30 / 20.30 Russian German German

Natalya Khlebus Director, Radio Station "Belarus"

GUAM: Trans World Radio - Guam. (March 31, 2002 - October 27, 2002)

7455.0 1100-1615 Mandarin. 9430.0 1100-1145 Vietnamese. 9430.0 1400-1445 Vietnamese. 9430.0 1500-1530 Korean. 9465.0 1200-1300 Japanese. 9865.0 0930-1100 Mandarin. 9870.0 1300-1330 Mandarin. 9870.0 1330-1400 Swatow 9870.0 1400-1430 Cantonese. 9870.0 1400-1445 Cantonese. 9870.0 1400-1500 Cantonese
9910.0 0915-1100 Mandarin. 11690.0 2100-2200 Japanese. 11720.0 1300-1330 Khmer 11765.0 1100-1200 Korean. 11850.0 1200-1300 Javanese. 11900.0 1230-1300 Sndanese
12105.0 2230-2300 Hakka. 12130.0 0915-1630 Mandarin. 12130.0 2115-2200 Mandarin
15195.0 2200-2230 Indonesian. 15200.0 0900-0915 Balinese. 15200.0 0900-0915 Torajanese. 15200.0 0915-0930 Madurese. 15200.0 0930-1230 Indonesian
15215.0 0715-0900 English. 15330.0 0815-0930 English. 15330.0 0815-1000 English 15330.0 1300-1400 Burmese. 15330.0 1430-1600 English. 15395.0 1330-1400 Indian 15445.0 2200-2230 Cantonese. 15445.0 2200-2245 Cantonese. 15445.0 2200-2300 Cantonese. 15585.0 2200-2315 Mandarin.
KTWR Frequency Coordination, Trans World Radio, USA e-mail: ktwrfreq@guam.twr.org

HIGH ADVENTURE: High Adventure Global Network. Frequency Schedule for March 31 to October 27, 2002.

Relay Transmitters-Europe

07:00 - 08:00 5975 Western Europe. 20:00 - 21:00 6175 Western Europe.

13:30 - 16:35 17550 SAS-India. 07:00 - 12:00 21590 Middle East.

12:00 - 21:00 15715 Middle East. 16:00 - 17:00 13810 EAF-Ethiopia.

17:00 - 19:00 9495 Eastern Europe. 13:30 - 14:30 15775 SEAS, Vietnam.

Relay Facilities from CIS

*12:00 - 16:00 7485 China

NOTE: Not confirmed.

Relay from Middle East

23:30 - 01:30 6025. 02:00 - 02:30 9615. 12:30 - 13:30 17795. 16:00 - 16:30 11705 India.

ISRAEL: Temporary Reprieve for Israel's External Service

After weeks of confusion and conflicting reports, the external Service of the Israel Broadcasting Authority (IBA) has been given a reprieve, at least for three more months. Earlier this year, the IBA had given notice of its intention to terminate the shortwave broadcasts in eleven languages due to a budget shortfall. This brought angry reactions from shortwave listeners around the world, and dismay within Israeli political circles at the timing of the decision, coinciding as it does with attempts to end the wave of violence between Israel and the Palestinians.

Following the personal intervention of Prime Minister Ariel Sharon and Public Relations minister Tzipi Livni, the IBA has now agreed to maintain the broadcasts for at least the next three months, and will seek funding from the Jewish Agency, the Immigrant Absorption Ministry, and organisations dealing with the Diaspora. The news came too late, however, to prevent an unofficial Web site supporting Israel Radio from declaring that broadcasts would end on 31st March 2002. (RN NEWS)

LATIN CORNER:

BRAZIL: 2470 kHz - Radio Cacique, Sorocaba (SP). This is just to let you know that this station is back on the air operating with 250 Watts. Until a few days ago there was a controversy among some Brazilian DX'ers if this station was really back on shortwave or not. I decided to call the station and spoke to a technician called "Toninho". He was very friendly and told me that the station is back to shortwave since about 2 months ago. The schedule is: From 07:30 UTC to 03:00 UTC - in parallel with Medium Wave (1160 kHz).

From 03:00 UTC to 07:30 UTC - in parallel with FM (96,5 MHz) - only music.

I haven't tried Radio Cacique yet but keep in your mind to check it out every day. We never know when the propagation would be open for Brazil and this would be a great DX.

Reception reports should be sent to Toninho (Departamento Técnico) at:

comercial@radiocacique.com.br I suggest you to write your reception reports in Portuguese language. (Toniolo Mar 14 via CUMBRE)

PERU:

Radio SatElite, back on 6725v kHz

Radio SatElite from Santa Cruz, Peru, is back again. Heard 17 March 2002, drifting from 6725.65 to 6725.82 kHz. The station disappeared for several years from the sw bands and has returned now on its old frequency 6725.7v. Until 1996 R SatElite was to be heard almost every night, usually with quite good signal.

Unfortunately the present reception quality cannot be compared to the good signal some years ago. Obviously the transmitting power has been decreased drastically. The next disappointment: the program. Nothing of nice Peruvian music, only religious stuff. (HCDX)

MADAGASCAR: Madagascar on 9685 kHz

Madagascar has been heard on 9685 kHz for the last few days between 0400 and 1900 with musical programmes and local info in Malagasy and French.

The station has also been heard on 5000 kHz at 1800. (HCDX)

NIGERIA: Voice of Nigeria to Add New Languages Soon

Director General of the Voice of Nigeria (VON), Taiwo Allimi, has disclosed that the station plans to start broadcasting in Igbo, Yoruba and German before the end of June 2002. VON has five high power shortwave transmitters, three of which are currently operational following refurbishment. When the remaining two have been refurbished, VON will run four transmitters simultaneously, with the fifth being on standby.

(Radio Netherlands Media Network.)

RUSSIA: Radio Ezra back in Russia

Radio Ezra is due to commence a third series of thirteen half hour weekly broadcasts between 2330 and 0000, beginning on 6 April 2002 UT.

The frequency will be 17665 kHz and the target zone is Western North America. The transmitter location is Russia.

Radio Ezra will produce a limited number of QSL cards for the series. Reception reports should include an International Reply Coupon or \$1 to cover return postage.

(HCDX)

SWEDEN: Radio Sweden Freq Schd A'02 - English Language Service.

To Europe/Africa/Middle East:

1330-1400 - 17505 khz. 1730-1800 - 6065, 1179 (Except Sun). 1730-1800 - 13580 (Sun Only)

1930-2000 - 6065, 2130-2200 - 6065,

To East Asia & New Zealand: 1230-1300 - 17505

To Australia & South East Asia:

1130-1200 - 17505. 1230-1300 - 21530. 1330-1400 - 17505. 2130-2200 - 15255

To South Asia: 0130-0200 - 13625

To North America:

0230-0300 - 9490. 0330-0400 - 9490. 1130-1200 - 18960. 1230-1300 - 18960

1330-1400 - 18960 (GRDX)

THAILAND: Radio Thailand, World Service Broadcast Schedule. (effective March 31,2002 as per A-02 seasonal change)

GMT BKK Time Language Direction Frequency

0000-0030 0700-0730 English Europe-Africa 09690

0030-0100 0730-0800 English US-East 15395

0100-0200 0800-0900 Thai US-East 15395

0300-0330 1000-1030 English US-West 15395

0330-0430 1030-1130 Thai US-West 15395

0530-0600 1230-1300 English Europe 21795

1000-1100 1700-1800 Thai Asia-Pacific 11805

1100-1115 1800-1815 Vietnamese Asia-Pacific 07260

1115-1130 1815-1830 Khmer Asia-Pacific 07260

1130-1145 1830-1845 Lao Asia-Pacific 06030

1145-1200 1845-1900 Burmese Asia-Pacific 06030

1200-1215 1900-1915 Malaysian Asia-Pacific 11805

1215-1230 1915-1930 Indonesian Asia-Pacific 11805

1230-1300 1930-2000 English Asia-Pacific 09885

1300-1315 2000-2015 Japanese Asia-Pacific 11850

1315-1330 2015-2030 Mandarin Asia-Pacific 11850

1330-1400 2030-2100 Thai Asia-Pacific 11955

1400-1430 2100-2130 English Asia-Pacific 09830

1800-1900 0100-0200 Thai Asia-Pacific 09690

1900-2000 0200-0300 English Europe 07155

2000-2015 0300-0315 German Europe 09680

2015-2030 0315-0330 French Europe 09680

2030-2045 0330-0345 English Europe 09680

2045-2115 0345-0415 Thai Europe 09680

Radio Thailand,World Service,Public Relations Department, Royal Thai Government,236

Vibhavadi Rangsit Road, Din Daeng, Bangkok 10400. email address:

amporns@mozart.inet.co.th (GRDXC)

UKRAINE: Here are English language broadcasts for Radio Ukraine from March 31st:

ENGLISH (one hour long): at 2100 hrs on 5905, 6020, 9950, 11705 & 11950 kHz; at 0000 hrs

on 5905, 7320 & 12040 kHz; at 0300 hrs on 7150 & 12040 kHz; at 1100 hrs on 11840 &

USA:

Changes Proposed in US International Broadcasting

Big changes are being proposed to the structure of US international broadcasting, which could see the private sector becoming involved. The Chairman of the House International Relations Committee, Henry J Hyde, introduced the Freedom Promotion Act of 2002 on 14 March. Its aim is to rebuild a mass communications infrastructure to explain American policies and culture to the world.

Under the proposed legislation, there would be a new International Broadcasting Agency headed by a director appointed by the President - with the concurrence of the Senate - for a term of five years, with safeguards to preserve journalistic integrity from political influence. The present part-time Broadcasting Board of Governors would become the Board of International Broadcasting (BIB), which would retain operational control of grants to entities including Radio Free Europe, Radio Liberty, and Radio Free Asia. The BIB would function in an advisory role to the International Broadcasting Agency.

The legislation provides an initial amount of \$7.5 million annually to the Office of Broadcast Services at the State Department. The State Department would be authorised to lease time on satellites and to develop other media channels serving key regions, such as the Middle East and East Asia. The State Department would also be authorized to develop programming for foreign audiences separate and apart from the International Broadcasting Agency, which could involve the use of the private sector. The State Department is encouraged to work with foreign television broadcasters and other media to produce and distribute programming. (Summarised from official press release). (RN NEWS MEDIA)

WORLD BEACON

Almost two years to the day after it's launch, the World Beacon will sign off, effective April 15. Affiliated Media Group, the parent company that operates the short wave based mission initiative has announced it will suspend operations to concentrate on the company's domestic ministerial clients.

The Beacon was the brain child of Affiliated Media Group founder and chairman Ray Davis, who conceived a Caribbean version in the 1970s. At it's height, The World Beacon broadcast a full weekly schedule to Africa, Europe and Russia, shuttering European and Asian operations when sufficient clients could not be found to fill the broadcast time slots. The station broadcast from transmitters in England, South Africa, Russia and the United Arab Emirates. The Beacon was in fact the victim of Affiliated's incredible growth and success. The agency which represents a wide array of spiritual and secular clients found demand for it's domestic services far exceeded client requests for overseas radio ministry opportunities. The events surrounding September 11, 2001 were also a factor, limiting the company's ability to receive and respond to the flood of mail that the Beacon received each week.

The World Beacon launched on April 2, 2000 with it's popular signature theme performed by the new age group Deep Forest. In addition to a full schedule of spiritual programming, the Beacon produced "Midnight Ministry" and "DXQSL" which were dubbed "listener appreciation programs." The station was profiled on the popular Radio Netherlands Media Network program and had a large cadre of devoted listeners around the world.

Program director Jeff Johnson will continue to process reception reports through April 15. Send yours via email to reception@worldbeacon.net

ZIMBABWE: ZBC Shortwave Transmitters Refurbished In a message posted on the Ontario DX Association mailing list, Spencer Chirume in Zimbabwe reports that ZBC has upgraded its shortwave transmitters with new spares. According to a report quoted by Mr Chirume, the transmitters will again be operating on full capacity, having been on reduced power. Two ZBC networks are broadcast on shortwave: National FM [3306, 4828, 5975 or 7175 kHz] and Radio Zimbabwe [3396, 5012, 6020 or 7285 kHz]. (RN News Media)

Voice of the People launches Web site Voice of the People, one of the independent stations broadcasting into Zimbabwe, has launched a new Web site, a sign that it intends to continue operating in the aftermath of Robert Mugabe's controversial victory in that country's general election. Website voxpop.co.zw Current schedule is:

1700-1830utc on 7129kHz. (RN NEWS MEDIA)

FEATURED FREQUENCY this month is 9545kHz.

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

FREQ	Time	Station	Country	Days	Language
9545.00	0000-0200	VOICE OF AMERICA	PHILIPPINES	1234567	Mandarin
9545.00	0400-0555	DEUTSCHE WELLE	GERMANY	1234567	German
9545.00	0558-2200	DEUTSCHE WELLE	GERMANY	1234567	German
9545.00	0800-1000	RRI Palangkaraya	INDONESIA	1234567	Indonesian
9545.00	1630-1725	VOICE OF TURKEY	TURKEY	1234567	Turkmen
9545.00	1900-1230	Radio Solomon Islands	SOLOMON ISLANDS	1234567	EE
9545.00	2100-2359	CNR Beijing 2	CHINA	1234567	Mandarin
9545.00	2200-0200	DEUTSCHE WELLE	GERMANY	1234567	German
9545.00	2200-2300	VOICE OF AMERICA	PHILIPPINES	1234567	Mandarin
9545.00	2300-2359	VOICE OF AMERICA	PHILIPPINES	1234567	English



New Zealand Forces Radio

From the RNZI web-site Updated: 18 March, 2002 via Paul Ormandy and the NZRDXL Ripple email list From Saturday March 23rd Radio New Zealand International (RNZI) launches a new line-up of weekend programmes especially for New Zealand's Defence Forces serving overseas. The programmes are funded by the Armed Forces Canteen Council and the New Zealand Defence Force (NZDF). The programmes will be produced and presented by Radio New Zealand broadcaster Katrina Batten. They'll include news and features from home, sports, entertainment and news from the NZDF.

The two hour programmes will be broadcast to the Asia/Pacific region on Saturday and Sunday at 11.05 UTC (23.00 NZST). An hour will be repeated on Saturday at 19.05 UTC for listeners in Europe and for the Pacific at 07.05 NZST Sunday. Forces Radio will be available as down-loadable audio file on the RNZI web site at www.rnzi.com. The new programmes will compliment existing weekday re-broadcasts of Radio New Zealand's National Radio network which are aimed at service personnel serving in the Asia/Pacific area.

Katrina Batten has worked in a number of roles in the radio industry over 15 years. She began her career as a Studio Operator for Radio New Zealand working in Wellington and in commercial radio in New Plymouth. After a stint overseas, including some radio work in London, she returned and qualified as a journalist. This led to reporting work, various roles for

RNZI and the production of National Radio's current affairs programme Late Edition. The introduction of digital production equipment at Radio New Zealand led Katrina into the training field and eventually back to her first love ? sound engineering. However, she has continued to present National Radio's overnight programme from time to time and is now looking Forward to taking up this new role. She says "the programmes are an opportunity for all NZDF personnel to keep up with what's happening at home.

Along with news of what's happening in NZ, we'll also include lots of lighter news, plus some music and fun. All contributions, including messages from home to personnel overseas, are welcome".

Katrina can be contacted at kbatten@radionz.co.nz or through RNZI at fax 64 4 474 1433 or phone 64 474 1437.

4125	1014	Sydney Radio/Port Stephens radio check JC
5505	0736	Shannon Volmet with London Gatwick Amsterdam Schipol EM
5574	0745	San Francisco/Unid Very noisy EM
5598	0637	Santa Maria/Air Europe 3607 Posn 43 N 52 W EM
5598	0728	Santa Maria/Reach 9016 Posn EM
5598	0729	Shanwick/ Unid 4591 Pos 49 N 42 W EM
5598	0730	Cubana 420/Santa Maria no reply to call no reply to SC EM
5598	0734	Air Jamaica/Santa Maria Standby EM
5643	1055	Tahiti/NZ 45 Request climb to 380 JC
5643	1101	Tahiti/NZ 1 SC check EKAD JC
6230	0900	Solomons Radio, Kiriabati NM
6230	0907	Tarawa Radio T3C message for Roriki from # 6 Letter has arrived they will reply when back at their base later this week NM
6637	1033	Houston/ABEX 1037 Request WX KMLA (Miami) and KFLA (Fort Lauderdale) also Customs and Agriculture at 1200 Z (ABEX is Airborne Express) NM
6637	0919	Houston/Southern 406 At UMZ 0919 Fuel 49.8 ETA Miami 1015 Nil Maintenance required re release. / My initials JYW time 0920 Z cleared direct Miami Your parking will be W59 NM
6637	0938	Giant 712 over Cuba calls Miami Radio but no reply JC
6637	0949	Houston/Pioneer 558 out of El Salvador Intl 0925/43 Est Managua 1022 JC
6692	0857	Khabarovsk (Russian Far East) Female Operator with Unid EM
8867	2111	Skier 96/Nadi Report level and reason for return Pago./ Returning Pago due engine problems No assistance is required FL 150 NM
8879	1812	Madagascar 12/Calls Brisbane JC
8879	1820	Shanwick/Virgin 1 post 48 N 20 W at 1820 JC
8879	1617	Beira(Mozambique) working Unid JC
8903	0505	N'Djamena(Chad)/Lufthansa 572 with position JC
8903	0505	N'Djamena/Lufthansa 573 We are trying to contact Niamey JC
8903	0505	Brazzaville(Congo)/AXL 73 Request WX (Air Exel Netherlands) JC
8903	0505	Luanda(Angola) working Unid JC
8903	0553	Niamey(Niger)/Sudan 402 ETA Niamey 0759 JC
8930	1016	Stockholm/Alitalia 9067 Estimate Mumbai 1405/25 Landed Madras 1547/51 ETA Dubai 2231 JC
8933	0811	Cedar Rapids/Unid 7404 Over Jamaica PP to company in Columbus Ohio. We have a new phone system and I can't get a tie line./OK we need WX Miami and tell them we had a vibration on take off. Better make that from the nose wheel as they may think it's an engine NM
8990	0836	Unid/GOFER 08 Departed ENBR (Bergen) 0700 ETA BIKF (Keflavik) CYR (Goose) 1730 Alternates Reykjavik or CYJY (Stephenville) Request FAX to Col Meagher 4755573 in Bergen NM

9007 1000 Air Force Sydney/Aussie 2061ETA Jakarta 1630 and we have one groundie to drop off . Name is Stanley NM

10024 0917 Punta Arenas/Qantas 116 with post reports at 60 S 110W, 115W 120W 125W, 59 S 131 W, 58 S 135 W JC

10072 1858 Speedbird London/Speedbird G-NIKO SC DEFQ Notify Ops that we have a recurring cabin pressure systems fault NM

10072 1900 Speedbird London/GBL 6938 SC JKGQ (G-OGBC) over Central France Has the stretcher been loaded/Confirm listed as being in the rear hold (GBL GB Airways Ltd) NM

10947 1639 Aswan/Cairo also heard Al Minya JC

11175 0839 Reach P5PA/Elmendorf Position at 0810 40N 144.30E FL 390 EM

11175 0840 Reach 587T/Anderson Freight 36000 pounds Asked to elaborate on maintenance problem which is hydraulic EM

11345 1916 Stockholm/APWF4L departed OBBI (Bahrain Intl) 1725 ETA FJDG (Diego Garcia) 2242 Fuel 110.0 Uplift 141.1 Payload 253007 NM

13261 0319 Nadi/Kiwi Rescue 651 advises on completion of search will land at FuaΔAmotu ETA 0450 JC

13261 0201 Nadi/Kiwi Rescue 251 Estimate Whenuapai 0500 JC

13333 1924 Speedbird London/Speedbird Concorde Ops normal Passed Martinique ETA Heathrow 2040 SC BDCF (G-BOAE) NM

17925 2034 Saudi Air/Saudi 5090 Request redispach Surabaya to Denpasar Bali and calculate fuel from Surabaya to Jakarta or direct from Denpasar Also require WX Surabaya to Denpasar Confirmed redispach name is Bantoeng NM

17937 0454 Lima/American 35. PP to company doctor We have a 25 year old female pax going through heroin withdrawal. The pax had heroin 10 hours before boarding American 35 at Lima /You are too weak to patch Try 25 mhz /We just want any suggestions for treatment /You are still very weak Try Salinas (Ecuador) on 126.9 NM

17940 0409 NZ 10/Auckland gives OK to proceed to Apia JC

Contributors

JC John Charlton Greymouth - Kenwood 5000 with 30 m wire

NM Neville McKenty Napier - NRD 545 and Icom R 70 with various antennas

EM Evan Murray Auckland - Kenwood 5000 with T2FD and 30 m wire





Hi all, Well, pirate activity on the 48mb on Sunday evenings has been very high recently and a number of these outlets have been heard from home. Plan a listening stint every Sunday around sunset and you may be surprised what you'll hear!

David Ricquish passes on details about a pirate radio site on the internet, to quote "It doesn't get any bigger than this. An ever-growing database on active AM and Shortwave pirate/free radio stations around the world." And you'll find it at <http://pirateradio.about.com/cs/stationsamsw/>

- 6210 0541 PIRATE (Germany) Radio Marabu, pr-fr with EE pops and regular robot-voice ids. Ormandy Mar 17
- 6220 0537 PIRATE (UK) Laser Hot Hits, weak with English pops and some maritim ute QRM. Ormandy Mar 17
- 6269.8 0514 PIRATE RSI (The Netherlands) fair with annnc in EE and Dutch, giving addr as P O Box 85, Beilen 9410AB, The Netherlands. QSL promised photo of the studio and said station was founded in '75. Ormandy Mar 31
- 6276 0537 PIRATE (The Netherlands) R Casanovas, heard on Apr.1. John Durham
- 6292 0632 PIRATE (The Netherlands) Alfa Lima Int, with ids, addr and pop music. Ormandy Mar 17
- 6925 0208 PIRATE (No. Am.) United Patriot Militia Bingo, 0208-0221 Mar 30, ID, Dukes of Hazard theme song, numerous parodies of United Patriot Radio's Steve Anderson, etc. Very strong signal. (D'Angelo-PA)
- 7120 0330 CLANDESTINE (Zimbabwe). Voice of the People (via RN-Madagascar), BBC-Meyerton has replaced RFE-RL here at 0330; however, VoP, which was there daily, generally a little behind RFE-RL, had been absent for a few days. I checked the RN schedule and found that they are now listed on 7310 at this hour. I have now checked it a couple of nights and they are there signing on at 0330, but strength is below 7120 and they are almost useless due to being badly squeezed between Vatican-7305 and WHRI-7315. (Berg-MA)
- 11440 04.00 PIRATE (South America) Radio Metropolis (usb) frequent IDs in SS and EE and mailing addr in Germany. Transmitted via Cochiguaz. John Durham
- 17525 1630 CLANDESTINE Radio Sedaye Iran (Radio Voice of Iran), *1630-1730 Mar 31, caught station opening ID and news in Farsi. Some brief musical breaks but mainly talks about Middle Eastern events. Good signal with jamming noted faintly in the background after 1700. (D'Angelo-PA)

QSLs

CLANDESTINE 5925, Fang Guang Ming Radio verified through the Transmitter Documentation Project office in 68 days with a full data transmitter tower card presumably from v/s Ludo Maes. (D'Angelo-PA)

PIRATE (Euro) 7450, Free Radio Service Holland verified with a full data logo/studio equipment card, a personal letter, sticker, and a copy of FRS News in 141 days for US\$1.00 return postage from v/s Peter V. The station has a long history starting operations in 1980. (D'Angelo-PA)

PIRATE (Euro) 9290, Mike Radio, the Netherlands verified with a full data picture of their Rohde & Schwartz 750 watt transmitter card in 150 days for US\$1.00 return postage. The card indicated the antenna was an "inverted V - top 10 mtr." And that the station was raided on October 27, 2001. (D'Angelo-PA)

PIRATE (Euro). 6210, R. Marabu, yellow QSL, weirdo on front, full-data and stn info on back, also GM info sheet, sticker. 3 wks. after E-mail follow-up, 7 mos. total after postal and E-mail rpt. It's up on DXplorer Sight & Sound. (Berg-MA)

AFGHANISTAN 8700U, Information Radio (Commando Solo): Nice no-data .gif QSL image showing eagle, flag, plane, logos, saying "This card acknowledges the receipt of a broadcast delivered by Commando Solo II during Operation Enduring Freedom. Thank you for your support of the 193rd Special Operations Wing." As an E-mail attachment from Lt. Edward E. Shank. I don't know if we should be expecting a paper card by postal mail as well or not. In 5-1/2 mos. (Berg-MA)

ITALY Radio Europe 7306usb with convention special broadcast. John Durham

Contributors: D'Angelo - Rich D'Angelo, 2216 Burkey Drive, Wyomissing, PA 19610, U.S.A. Equipment: Drake R-8B, Lowe HF-150, Alpha Delta DX Sloper, RF Systems Mini-Windom, Datong FL3, JPS ANC-4. Berg — Jerry Berg, Massachusetts. Durham — John Durham, Tauranga, Ormandy — Paul Ormandy, Oamaru & Waianakarua, Drake SPR-4 and Sony ICF-SW55.

tv.fm@radiodx.com

Compiled by Adam Claydon, Te Kuiti



Greetings to everyone from Te Kuiti — where it's still summer! Straight into this month's news and contributions.

New Island Logged on FM! Well, one never knows what one will hear on FM. Idly tuning on VHF I found a station on 123.6mHz - just a spurious I thought, and indeed it was. But the station was called 'The Beach'. Soon a full station identification was heard - and I was able to hear them on 2 of 4 frequencies in use, and to telephone their studios on Great Barrier Island (87km east-north-east of my listening post in Mission Bay Auckland) for more information. Here is the run down:

- | | |
|---------|--|
| 94.6 FM | Great Barrier Island - 500 watts but currently only running 200watts. |
| 88.3 FM | Tryphena, Great Barrier Island (harbour on the western side, destination for ferries from Auckland) - 1 watt |
| 89.8 FM | Waiheke Island - 400 watts |
| 97.0 FM | Kawau Island - 100 watts. |

The last 2 of these are audible here at Mission Bay. Waiheke is very good, while Kawau is poor, due adjacent channel QRM. I have previously heard FM stations from Waiheke (line of sight 18km east from here)but never from Kawau (45km north). A report is in the mail and I will post more information when I have it. What amazes me is that they have been on-air since mid-January and this was the first I'd heard of them. Shows how little FM DX is being done here nowadays! (Bryan Clark)

Hauraki Switches On In Gisborne The latest franchise deal sees Radio Hauraki beaming into Gisborne, under the wing of local independents Gisborne Media. (Median Strip April 12)

Radio Active Birthday Nears Radio Active is busy planning activities for its 25th birthday in September 2002. Telling us what is planned "would be like opening presents before your birthday" says the station, but we do know there is a whopper double CD of local music planned. (Median Strip April 12)

New Websites Whole bunch of new websites seem to be around. NewsTalkZB now has it's own site at long last, and if you go to www.tv3.co.nz you'll find links to all the CanWest brands. Each has their own website now, plenty of details etc on frequencies and more. (David Ragusa)

Review of Guardband Stations Ministry of Economic Development is currently undertaking a review of what we call 'guardband' stations. They won't tell me anything at this stage because the review is still underway. They also tell me that no decisions have yet been made as to which FM channels in 100-108 will be available for anybroadcasters. They're still doing engineering work on which channels and locations will be possible, but seem to be very advanced in their planning. They have reserved channels for National Radio, Concert FM, Maori radio and the Pacific National Radio Network on a nationwide basis. (David Ragusa)

Stellar lift-off for super Nova There's a revolution under way in Melbourne radio. It may be happening quietly and methodically behind the scenes but it's blaring across the airwaves. Taxi drivers are listening to Nova 100.3 FM and shoppers are rocking while they're shopping. Groovers everywhere have embraced the new sound. After only 15 weeks on air, Nova 100 has become the city's number-one station, with a rating of 12.6. Hip music that straddles many formats, presenters with names like Hughesy, Whippy and Stuie, and low advertising content mean Nova's star is shining brightly. And judging from the AC Nielsen radio ratings released on Tuesday, the station is not just the domain of the 18 to 39-year-olds. Older people are into it too. The station had overtaken Fox FM as the top station, a result that was all the more remarkable for the fact that Fox has been around for 22 years while Nova has been on the air for only three months. **(The Age March 28 2002 via Bryan Clark)**

Contribution from Robert Park, Lower Hutt QSL in from Life FM, Palmerston North 96.3. Query - heard in Palmerston North January 2002 - 88.3 FM played religious music, no ids, ads,announcement, anything other than hymns, instrumentals etc. I listened for over an hour and still I have no identification. Unfortunately I had to leave town the next day so wasn't able to listen further. Have made enquiries in several places, but none able to help. Any info would be appreciated. (Robert Park)



BROADCAST MAILBAG

RAY CRAWFORD launches us this month with reports from the NZ Trip for Convention. They are out to 2XWB 1233, Country 1593, Southern Star 900, 909, 1026, JO 1530, R.Sport 846, 1350, 1539, Pacific 702, 711, 738, 1071, Puketapu 954, Now 1017, KTBK 1700, KDDZ 1670, WKSH 1640, WTAW 1620, KSXX 1690, KAXW 1660, KDIA 1640, WRNC 1670, WHKT 1650, WJNZ 1680, KWHN 1650, KBJD 1650, KNRO 1670, KAVT 1680, KKWY 1630, From OZ 2HRN 1629, 2HC 639, 2PM 531, 2NTC 1701, 2KM 1620, Radio 2 1611, 2NTC Tamworth 1611, 2NTC Armidale 1629. Veries in from KAVT, KDIA, WRNC, KTBK, WTDY, WTAW, 2HC, 2HRN, Puketapu 954, Southern Star 1026, 909, 900, Radio Sport 846, 1350, 1539 and KRZX.

KDIA verified by email from Dick Ferrante, General Sales Manager. Address is dick.ferrante@businessradio1640.com

DAVID RICQUISH reports in with logs: 1XHC 1206, 2XKC 1431, R.Tarana 1386, R.Samoa 1593, Lite FM 1260

STU FORSYTH reports loggings as KNRO, KSPN, Radio CPN, KDDZ, Radio Nacional del Peru, 2EA, 3NE, 3RN 621, Radio Sport 558 and 693, Radio Dunedin 1305, 4YW 639, 2KM 1620. Veries in from: KXOL 1660 logged at convention. Verie signer is Bob, the Chief Engineer and not the Builder, e-mail address is ksos@webtv.net My first QSL for Utah state; 2CN 666 via the ABC local radio website, 4BC 1116 via e-mail from follow up report via station website, 4KQ 693, and 4PB 936.

I got a refusal from WQSN 1660 (I couldn't get local programming). However, I did get an e-mail address, which might be useful. It is from Bob Torstenson, Chief Engineer, Fairfield Broadcasting Co., who run the station as well as WKZO 590 and WKLZ 1470. The address is: bobt@fairfield-radio.com (It might be useful for someone in the future. Thanks Stu) and waiting for Stu when he returned home was a nice QSL from WKSH 1640

BROADCAST TRAIL

585	1205	PNG	NBC Port Moresby. News in EE many mentions of Papua New Guinea. Female ID "This is the Voice of Papua New Guinea" then local pop music programme, VG signal dominating the frequency David Ricquish
630	1050	AUS	2PB Sydney ABC News over 2YZ DR
640	0920	USA	KFI poor but clear talk 5/4 SMF
666	1055	NC	Radio Noumea FF pop good DR
684	1056	FJ	Radio Fiji Labasa VG choir/hymns DR
684	1105	AUS	2KP Kempsey NSW state news. VG DR
693	1057	AUS	3EE Melbourne. EZL standards vg DR
1190	0900	USA	KEX Portland OR consistent signal NM

1320	0930	PERU	R. Nacional fr/pr. Good Id 0930 SMF
1470	0604	PERU	Radio CPN good for long period from 0600 with easy listening EE mx. SMF
1500	1000	USA	KUMU (?) ID's only as "ABC 1500 AM" but familiar KUMU format.NM
1620	0830	AUS	2KM music from the 30's to 60's. Lots of positive ID's. SMF
1620	0830	AUS	1RF with talk beneath 2KM SMF
1620	0830	AUS	Hillside radio with talk and music. Fr at best under the other Aussies. ID 0925 'Hillside Radio in Melbourne' SMF
1630	0945	USA	KCJJ Iowa. ID 1000. 60-70's songs NM
1660	0630	USA	KXOL good with mx Clear ID 0630. Mixed WQSN. SMF
1670	0645	USA	'ESPN Radio 1670', Sports talk SMF
1680	0805	USA	WTTM Princeton NJ. "ESPN Radio 1680" NM
1690	0814	USA	'Radio Disney. Fair mixed with KSXX. SMF

With thanks to **NM** Nev McKenty, **DR** David Ricquish, **SMF** Stu Forsyth

BROADCAST NEWS

New Zealand

PUKETAPU RADIO

While in North Otago for Convention 2002, Peter Grenfell and I visited this small station which operates out of a former shop in the town of Palmerston on State Highway 1. We met with the station's founder and now its Technical and Programme Director Lawrence McCraw and Station Manager John Blair. Puketapu Radio operates a 100 watt TRS transmitter on 954kHz MW and a new 70 foot antenna mast. Broadcast coverage extends south to Waitati and west to Macraes Flat, though a recent DX report from Gore shows that the station is sometimes heard further afield.

The station has been on air since May 1999 and, through the support of local businesses in Palmerston, is now breaking even. A small video library in Puketapu Radio's office adjacent to the studio helps support the station operation. There is also a money box tin on the counter for donations. The station is on air 24 hours, and originates its own programming every day from 7am. Overnight, Classic Hits FM is relayed according to the following schedule - 10pm to 7am Monday, Tuesday, Thursday, Friday and Sunday; 9pm to 7am Wednesday and Saturday.

On display in the Puketapu Radio office is a little bit of radio history - the original transmitter of Radio Sunshine. Lawrence began this pirate station in 1973, serving the Kuriwao and Catlins districts of Southland, until the station was closed down by the Radio Inspectors in February 1977. **Bryan Clark**

AUSSIE SHORTS:

1386 Sydney. The frequency has changed status from narrowcast to community and applications called for potential licensees. Power permitted is 3 kw from Homebush transmitter site and service can cover Sydney LAP. **David Ricquish.**

1629 2NTC Armidale is on 1629 not 1611 as in the Mw GUIDE. Heard while travelling back from Sydney after Easter. Tamworth was weak in Armidale and 1629 was strong as a local.

Ray Crawford

1197 Switch 1197AM Brisbane expects to begin tests by June 1 and be broadcasting full time by July 1. Address: P.O. Box 1073 Fortitude valley, Queensland 4006. Website www.switch1197.com

David Ricquish.

X BAND ARGENTINA

With the X band US window now limited to about 90 minutes 0600 to 0730 before the Aussies rush in it's time to consider "swinging the radials round" to point south-east.

1610 Radio Cultura (reported inactive). QTH Bernal-ex Domingo Purita 2247 (1826 Remedios de Escalada).

1610 Radio Cantico Nuevo. QTH: Av. Oliver 1319 barrio 9 de Abril (1842 Monte Grande)

1610 Radio Exitos. Possibly ex Radio Shopping, Moreno, ex AM 1130)

1620 Radio Tropicana. QTH: Av. San Juan 2461 (1232 Capital Federal)

1630 AM-1630 Radio Buen Ayre (Red 92) QTH: Calle 32 Nro 426 (1900 La Plata)

1640 Radio Bolivia. QTH: Av. Int. Francisco Rabanal 1467 (1437 Capital Federal)

1650 AM Restauracion. QTH: Trgl. Pedro E. Aramburu — ex Debussy — 2948 (1686 Hurlingham)

1660 Radio Unidad. (Reported inactive) QTH: Molina 820 (Rafael Calzada)

1670 BBC America Latina. E-mail: 1670@starmedia.com. Transmitter via radiomania.

1680 AM Getro. QTH: Av. San martin 4280, Dpto 2 (1824 Lanus Oeste)

1690 Apocalipsis II. QTH: Monsenor Bufano 3386 (1754 San Justo)

Thanks to Paul Ormandy/DXLD, Marcelo Cornachioni, Argentina.

1710 Radio Mec, Caseros NRC

VENEZUELA

Recent changes reported by "Venezuela en la onda":

610 YVMN Radio Coro x 780

640 YVNN Radio Punto Fijo x 940

880 YVYM Venezuela 880 Puerto Ordaz (ex Mundial 8-80)

620 YVZC Radio Fe y Alegria x 640

Circuito AM Digital is a new network owned by Circuito Radio Venezuela. Stations in the network are 720 YVQE, 790 YVKC, 880 YVYM (see above item), 900 YVMD, 960 YV.., 990 YVTA, 1010 YVQF, 1110 YVQT, 1150 YVMV, 1190 YVRE, 1220 YVVM.

AUSTRALIA

1611 3XX Melbourne is back on air this evening (Sunday 14 April) and apparently full time.

Heard at 1430 UTC with Retro and modern pop. Gives the odd jingle "Melbourne's brand new radio station is finally here 1611 3XX" Gives web address as: <http://www.1611.cjb.net/>

They are calling for announcers, and yes they are unpaid positions until selection of paid staff in May June. Address given is: P.O.Box 173 Caulfield East 3145 or email to RADIO1611@HOTMAIL.COM. Official station launch is: at MONSOONS nightclub, April 26th (Friday) at Grand Hyatt It says on the web that 3 Double XX presents the best new music,

chart hits, dance, and retro dance and chart classics from the 80's and 90's - 24 hours every day 365 days per year. Simply, you wanted a full time station - here it is ! - Simply switch to 1611 AM and STAY WITH US !. Dave Onley via NZRDYL Greyline email list.

CUBA:

Updated list of all Radio Progreso outlets.

640 Las Tunas	810 Guantanamo
640 Ciudad de la Habana	820 Ciego de Avila
660 Santa Clara	850 Mayari Arriba
680 Cienfuegos	870 Sancti Spiritus
680 Santiago de Cuba	880 Pinar del Rio
690 Jovellanos	890 Chambas
700 Baracoa	900 Cacocun
730 Neuva Gerona	920 Pilon
740 Camaguey	

(Radio Progreso website.)

USA

580 KMJ Fresno CA. CP for power increase to 50kw. Now on at that power.

Propagation Web Sites

Compiled by
Bill Smith
Texas, USA

The following information is via Bill Smith w5usm@aol.com Texas, USA (NZRDXL member) from the ARRL Propagation Report.

When the next solar minimum will be? According to a recent NOAA Preliminary Report and Forecast of Geophysical Data, their prediction shows it to be some time between September 2006 and April 2007. Still a ways off, and right now we are enjoying the peak of the current cycle.

You can read these NOAA reports at

<http://www.sec.noaa.gov/weekly/>

and the one showing the latest solar cycle projection is the March 5 issue. You can also see historic charts of this and previous solar cycles on WM7D's web site at

<http://www.wm7d.net/hamradio/solar/index.epl>

http://www.wm7d.net/hamradio/solar/past_cycle.shtml

<http://www.wm7d.net/hamradio/solar/historical.shtml>

What about the new unfamiliar propagation reports on WWW. NOAA is using new scales.

An article about this is at:

<http://www.sec.noaa.gov/NOAAscales/EosNewScales.html>

and the scales are explained at:

<http://www.sec.noaa.gov/NOAAscales/>

Current FM Guardband Stations

Compiled by
Bryan Clark
Auckland

New Zealand has a significant number of local low-powered FM 'micro-broadcasters' in the frequency ranges 88.0 to 88.8 and 100.2 to 101.0 MHz FM. These ranges were called guardbands, as they separate the official FM broadcasting band from other spectrum users. Maximum approved radiated power for these transmissions is 300 milliwatts, that is, less than a third of a watt. As more stations are granted licences in the 101-108 MHz FM range (commercial licences are due to be auctioned from 2002), the upper guardband will change to the 107.6 to 108.0 MHz range.

The local, and hobby-nature of many of these operations makes it very difficult to provide an up-to-date national listing. We seek the assistance of members throughout New Zealand to update this list prior to publication at our radiodx.com internet website. Please send updates to Bryan Clark at P.O. Box 3011, Auckland or by email to bryan@radiodx.com

A revised listing will be posted out to all who contribute updates. Thanks for your help!

- 88.0 88.0FM, Royal Oak, Auckland
- 88.0 Magic FM Network, PO Box 8323, Havelock North # 100.6
- 88.0 Antique FM, Fielding
- 88.0 Classic 88FM, Palmerston North
- 88.0 Bay Radio, 7 Rue Lavaud, Akaroa
- 88.0 Gateway Network (Riverton Radio?), Rangiora, Canterbury
- 88.0 Zone 88FM, Papanui, Christchurch
- 88.1 Static 88.1, Auckland City
- 88.1 The Mulcher, Mount Roskill, Auckland
- 88.1 Genesis FM, Porirua
- 88.1 Shake 88FM, Upper Hutt
- 88.1 Mainland FM, Motueka, Golden Bay # 88.4
- 88.1 Outback FM, 49 Fairweather Crescent, Kaiapoi, Christchurch
- 88.1 Hospital FM, Timaru Hospital. Station Manager — Ron Heaney. Often relays Solid Gold FM.
- 88.2 Tourist FM Radio — numerous locations in English. Address P.O.Box 47-376, Auckland
- 88.2 The Flea, Devonport Community Radio, Auckland
- 88.2 Radio Samoa/Unforgettable Music, Eden Terrace, Auckland # 1593 AM
- 88.2 88.2FM, Otahuhu, Auckland
- 88.2 The Chill, Kawerau, Bay of Plenty
- 88.2 Ngati Porou, Ruatoria # 98.1 & 585 AM
- 88.2 The Beat, Radio Kidnappers, P.O.Box 680, Hastings # 88.5
- 88.2 KC-FM, Kapiti Coast. 273 Kapiti Road, Paraparaumu
- 88.2 Pirate — Satellite FM, Wellington
- 88.2 W'sup FM, 4 Maoribank Grove, Upper Hutt. Station Mgr Paul Buchanan.
dnaera@reenet.co.nz

-
- 88.2 The Grapevine, Waipara
88.2 Seaside FM, North Brighton, Christchurch — off air March 2002
88.2 Radio Pegasus, Victoria Park Road, Cashmere, Christchurch 8002.
88.2 Radio Bedrock, Millerton Community Radio, Calliope Rd, Millerton (West Coast)
88.2 Radio Wanda, Wanaka
88.3 The Beach, Tryphena, Great Barrier Island # 94.6
88.3 Soul FM, Mount Maunganui # 88.5
88.3 Rangatahi E.R. FM, Murupara, Bay of Plenty
88.3 The Vibe, Petone, Wellington
88.3 Life fm, Mosgiel. Address - Private Bag 92-636, Auckland
88.4 Blowhole FM, Mount Maunganui
88.4 Southern Star, Taupo. Address - Private Bag 92-636, Auckland
88.4 Life fm, Marton. Address - Private Bag 92-636, Auckland
88.4 2XA Radio Reading Service, P.O. Box 360, Levin # 1602 AM
88.4 Groove FM, Island Bay, Wellington. Address: P.O. Box 10989, Wellington. Silent March 2002
88.4 88.4FM, Mainland FM, c/o Mainland TV, 133 Waimea Road, Nelson (TV simulcast)
88.4 Brother Stair, The Overcomer (Religious) audible between Waipawa & Rakaia
88.4 Pulzar FM, P.O. Box 13-209, Christchurch 8031
88.4 Southern Star, Te Anau. Address - Private Bag 92-636, Auckland
88.4 Southern Star, Cromwell/Alexandra. Address - Private Bag 92-636, Auckland
88.4 Country Radio, Invercargill. Email - diack@xtra.co.nz
88.5 Kaitaia Country Radio, P O Box 81, Kaitaia # 97.6
88.5 The Mulcher, Kaikohe # 88.1
88.5 Soul FM, 163b Kingswood Road, Tauranga Website: <http://soulfm.cjb.net>
88.5 Classic Hits 88.5FM, Tokoroa # 1413 AM
88.5 Gospel Radio 95FM, Rotorua # 95.1
88.5 The Beat, Radio Kidnappers, Napier # 88.2
88.5 MRK-FM, Palmerston North
88.5 Radio Woodville, Pahiatua relay # 97.0. Address: 54 Vogel Street, Woodville
88.5 Radio Dannevirke
88.5 The Generator!, P. O Box 56-063 Tawa (Wellington)
88.5 Eastbourne Community Radio, Hutt Valley
88.5 Radio Lyttelton, 53 London Road, Lyttelton, Canterbury
88.5 Unidentified station in Timaru
88.5 Southern Star, Wanaka. Address - Private Bag 92-636, Auckland
88.5 Southern Star, Mosgiel. Address - Private Bag 92-636, Auckland
88.5 Radio Rhema, Clinton. Address - Private Bag 92-636, Auckland
88.6 Link FM, c/o Pak n Save, P.O. Box 40751, Upper Hutt (FPI 88.8) # 100.5
88.6 Out of the Blue FM, 114 The Esplanade, Kaikoura k.heays@xtra.co.nz
88.6 Seaside FM, 1st Floor, New Brighton Plaza, †Brighton Mall, New Brighton, Christchurch
88.7 Hawkes Bay Magic FM, PO Box 8323, Havelock North
88.7 Grapevine FM, Waitara
88.7 Gateway Network, Kaiapoi
88.8 Soundwave FM, P.O. Box 3103, Napier
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- 88.8 Alpine FM, 44 Jolies Pass Road, Hamner Springs
- 88.8 88Zone FM, Queenstown. Operator: Euan Robertson
- 100.2 TLC (The Little Country) Radio, P.O.Box 22-631, Auckland.
tlcradio@onthe.net.nz
- 100.2 Virtual Radio, North Shore, Auckland.
- 100.2 Punakaiki FM, Punakaiki (Westland)
- 100.2 Good Music 88FM, Belfast, Christchurch
- 100.2 Radio Redwood, 67 Tuckers Road, Christchurch
- 100.2 Radio Pegasus, Christchurch # 88.2
- 100.2 Bay Radio, Akaroa
- 100.2 Granity Community Radio, Westland
- 100.2 Twizel FM, Twizel
- 100.2 Hospital FM, Temuka # 88.1. Often relays Solid Gold FM.
- 100.2 Radio Rhema, Balclutha/Tapanui. Address - Private Bag 92-636, Auckland
- 100.3 Inferno 100.3FM Dunedin www.infernofm.com
- 100.4 Tourist FM Radio — numerous locations in German. P.O.Box 47-376, Auckland
- 100.4 The Fox, Auckland Institute of Technology
- 100.4 The Chill, Taupo
- 100.4 College FM, Pakuranga, Auckland. (possibly relaying Deutsche Welle TV fulltime)
- 100.4 The Groove, Island Bay # 88.4, P.O. Box 10-989, Wellington. Silent March 2002
- 100.4 Link FM, Wellington (tentatively Petone) # 88.6
- 100.4 Wave FM, Christchurch
- 100.5 The Plug, Wairau, Auckland
- 100.5 Radio Reading Service, Palmerston North # 1602 AM
- 100.5 Avenue Radio, Levin
- 100.5 The Plane Station, Paraparaumu Airport
- 100.5 Link FM, c/o Pak n Save, P.O. Box 40751, Upper Hutt (FPI 88.8) # 88.6
- 100.5 Base FM, Aranui High School, PO Box 15019, Christchurch. Website <http://www.basefm.cjb.net>
- 100.6 Up FM, Ponsonby, Auckland City
- 100.6 Ace Broadcasting, Pakuranga, Auckland in Chinese # 990 AM
- 100.6 100.6FM, Hamilton East
- 100.6 Magic FM Network, PO Box 8323, Havelock North # 88.0
- 100.6 Super Nova 100.6, Wellington Institute of Technology, Private Bag 39803, Te Puni Mail Centre, Wellington supanova@zfree.co.nz
- 100.6 G-FM, cnr Halstead & New Str, Nelson. Operator: Murray Kingi.
- 100.6 Good Music FM, Radio Redwood, 67 Tuckers Road, Christchurch
- 100.6 The Wolf Radio Network, mainly South Island locations including: Blenheim, Kaikoura, Hanmer Springs, Karamea, Murchison, Westport, Reefton, Ashburton, Methven Fairlie, Waimate, Geraldine, Twizel., Mount Cook, Temuka, Timaru, Oamaru, Alexandra, Gore.
Head Office: P.O. Box 116, Lake Tekapo www.thewolf.co.nz
- 100.6 Life fm, Dunedin. Address - Private Bag 92-636, Auckland
- 100.7 Life fm, Te Anau. Address - Private Bag 92-636, Auckland
- 100.7 Bream Bay Community Radio, Northland

- 100.7 Four Peaks 100FM, Geraldine
- 100.7 Efm, Southland Institute of Technology, Invercargill
- 100.8 Tourist FM Radio — numerous locations in Japanese. P.O.Box 47-376, Auckland
- 100.8 Gateway Network (Riverton Radio?), Kaiapoi, Canterbury
- 100.8 Udyush Radio, Linwood, Christchurch
- 100.8 Radio Lyttelton, 18 Norwich Quay, Lyttelton, Canterbury
- 100.8 Bay Radio, Akaroa
- 100.8 Radio Seddonville, Westland
- 100.8 Millerton Community Radio, Westland
- 100.8 Z-100 FM, Dunedin z100fm@hotmail.com
- 100.8 Z-100 FM Queenstown z100fm@hotmail.com
- 100.8 Classic Gold, Ranfurly # 729 AM

Thanks to the following for past assistance in updating the New Zealand FM station listings: Aaron Anderson, Graham Barclay, Gavin Bennett, Adam Claydon, Arthur de Maine, Norm Empson, Andy Gardner, Tony King, Winston Lashley, Chris Mackerell, Mark Nicholls, Paul Ormandy, Brian Palamountain, David Ricquish, Colin Salmon, Walter Singleton, Phil van de Paverd, Brian Webb, Bill Woller, Chris Wright.

adcom.news@radiodx.com

Compiled by Bryan Clark, Auckland



WELCOME TO NEW & REJOINING MEMBERS **JASON WALLACE**, 16 Oxford Road, Springvale, Wanganui; **RON KILLICK**, 67 Dunbars Road, Christchurch and **RUPERT BULLOCK**, 139 Nalders Road, Chesham, Bucks HP5 3BZ, England. Jason makes contact with us through our Internet website www.radiodx.com Ron has one of the world's largest collections of QSLs — recognised by his first placing in the 1999 Adventist World Radio Contest. While most of his 67,000 verifications are for Utility stations, Ron's DX interest covers all bands. He is also well known as the Editor of 'Tune In' magazine. He rejoins the League after a gap of almost 45 years — it's good to have you back Ron! Rupert first heard about the League from his second cousin **EVAN MURRAY**. Glad to have you in the DX family too Rupert! Gentlemen — hope you will be able to make a contribution to these pages soon!

PUBLICITY WANTED The Administration Committee (Adcom) are looking at opportunities to promote our hobby through topical and human interest articles in community newspapers. We would like to hear from any member with journalistic experience who would be prepared to advise us in this venture. Please contact National Secretary **EVAN MURRAY** at P.O. Box 3011, Auckland or via email at varisian@ihug.co.nz

Adcom is always keen to receive suggestions on new publicity avenues. Bulk supplies of the League's promotional colour brochure are freely available on request.

The personal touch is by far the best means of recruiting newcomers to the SWL and DX hobby. We acknowledge the recent efforts of Blenheim member

IAN CATTERMOLE in Blenheim who has initiated a local publicity campaign with flyers on supermarket, shopping mall and polytech notice boards and small advertisements in the local newspaper and 'Greypower' newsletter. Don't forget, you can qualify for a subscription

bonus for any new members that are signed up as a result of your efforts!

Amateur radio organisations (and indeed clubs like ours!) are constantly looking out for ways of attracting young people into membership. The American Radio Relay League (ARRL) has teamed up with the producers of the Archie comic book series to produce 'Archie's Ham Radio Adventure'. This very well produced comic book introduces young people to amateur radio, and is being distributed free of charge to attract young people into ham radio.

MORE BUDGET CUTS FOR RADIO NZ INTERNATIONAL? Speaking to the Parliamentary Commerce Committee last month, Radio New Zealand's Chairman **BRIAN CORBAN** described our official shortwave service as "a critical service to our Pacific neighbours". He said that the present skeleton broadcasting — 4 hours a day of its own programming, down for 11 hours a day when the service was relaunched in 1990 — was at risk of further reduction unless funding constraints were addressed. The DX League has lobbied past governments in support of New Zealand maintaining a viable international voice on shortwave. At its next meeting, Adcom will consider a further submission in support of RNZI.

SPOTTED AT THE HOCKEN On a recent visit to view the NZ Radio DX League Archives held by the Hocken Library in Dunedin, your scribe was interested to view many historical QSL collections from the early days of radio. The oldest North American verification I could find was for KHJ Los Angeles, logged by **HAROLD LOOKER** in July 1930. But the one that most captured my imagination was in the collection of **FRANK WILSON** — a QSL card and letter from the South African Broadcasting Corporation for 600 kilocycles medium wave, logged by Frank at 1700 GMT on 26 August 1939. Reception of southern Africa on the broadcast band from New Zealand is possibly the most difficult challenge for us.

DID YOU KNOW? MHz is the abbreviation for megahertz, whereas mHz is the abbreviation for millihertz.

COUNTRY UPDATE After 90 years of existence, Yugoslavia disappeared from the map of the world last month, to be replaced by the new state of "Serbia and Montenegro". This alliance of 2 almost independent countries has 1 president (Vojislav Kostunica) and 2 capitals - Beograd and Podgorica (Podgoritsa). After 3 years, not earlier, the two countries may dissolve the alliance. The new Serbia and Montenegro were what remained of the former Federative Republic of Yugoslavia composed of Serbia, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia. The countries regained their independence during several civil wars in the 1990s. (Karel Honzik via Hard-Core DX) Last year, the Indonesian government approved a name change for the easternmost part of the nation — from Irian Jaya to Papua. According to press reports, this change took effect on 1 January 2002.

The implications of both these changes for the Radio Countries List are being reviewed in collaboration with our colleagues at NZDXRA.

Quartz Hill , Wellington

The Quartz Hill (ZL6QH) web site has moved to the following new web address <http://www.ZL6QH.com> (was previously ZL6QH.cjb.net)

AUCKLAND

The 31 March meeting had 11 present at the clubrooms, chaired by Barry Williams. Welcome back Tom Rushbrooke! The 10 year review for the clubrooms lease is up again but no word on whether the council has any special plans for the site. Hopefully all the best!

A 48-hour WPX Contest on 15 & 20 metres was about halfway through at this time and Barry says he had so far worked about 15 stations in about 15 minutes flat (not bad at all! - awesome really!).

Barry handed out photos he took at the Oamaru Convention to look at (some interesting group shots and awards at the Star & Garter restaurant).

Barry asked for comments on the DX Times magazine - all were positive about the format and content. Yuri Muzyka added that everyone at Oamaru gave a thumbs up of his EE broadcasts in time order column.

Marcelle Rota performed some summertime DXing of FM stations from Maraetai Beach on Monday 28 January this year (Coromandel 89.8 FM in Thames and a Rodney station).

No word on when the next DXpedition is (maybe Malcolm Holmes will announce something at the May meeting). We usually don't have them during mid-winter.

The May meeting will be at the Clubrooms on the 26th at 2 pm.

The June meeting is tentatively at the Clubrooms, 3000 Great North Road, New Lynn, just past Whau Creek, on the 30th at 2 pm.

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

NORTH OTAGO

The North Otago Branch of the NZ RadioDX Leaguwas founded 50 years ago. A luncheon at the Star & Garter Restaurant was held on Sunday, 7 April to mark this event. Current members, wives and one past member, Ted Sutton, attended,

Our monthly meeting was held at Peter Grenfell's. After the usual business Peter entertained us with a slide show of a tramping expedition that he made to Doubtful Sound and Milford in the 1960's.

SOUTHLAND

Instead of the usual Monthly meeting we visited the our local Television Station. Lindsay Robinson the President of the Southland Branch arranged the visit to Mercury Television, and all who attended found it to be very interesting. After the visit we went back to Lindsays for supper and some DX chat etc, and apart from that, there is not to much else to report. The April Meeting is to be held on Tuesday 23rd at Eddie MacAskill's 431A Tay Street Invercargill (phone 03-217 8670) starting at 7-30 pm, All Welcome.

CHRISTCHURCH See **page 3** for more details about invitation by Branch 56 NZART to visit the NZ Police Southern Communications Centre on Tuesday evening **28th May 7.30pm**.

WELLINGTON See **page 3** for more details about informal get together at Stuart Forsyths in Miramar (Wellington) on Sunday **28th April at 2.30pm**.

Article: Loop Aerial Formula

Compiled by
Tony King
Greytown

As many of us recognise, the Internet is a great source of data and wisdom on aerials with one source www.cybercomm.net/~slapshot/loops.html being such a place.

The following is taken from "The Low and Medium Frequency Scrapbook" written in 1977 for Ham Radio magazine by US amateur operator Ken Cornell.

The following table gives the inductance and frequency range of square loop antennas that are 12" 24" and 36" on a side. Wire spacing for 1/4" and 1/2" although other size frames and wire size spacing can be determined by interpolation. The frequency range shown is based on using a variable capacitor of 500 pf. (the single or double gang (egg size) ones in 'full size' receivers.)

L is the inductance in microhenries.

12" square				24" square			36" square			Spacing
No of turns	L	kHz max	kHz min	L	kHz max	kHz min	L	kHz max	kHz min	
4	13	6240	1978	32	3980	1260	52	3120	988	1/4"
8	41	3510	1112	103	2215	703	173	1710	542	
12	78	2546	807	203	1576	500	346	1210	383	
16	131	1968	623	323	1252	397	559	952	301	
20	168	1736	550	462	1047	332	809	792	250	
										1/2"
4	11	6780	2150	28	4260	1347	46	3315	1050	
8	32	3980	1260	85	2440	773	145	1816	592	
12	57	2980	943	161	1773	562	281	1343	426	
16	86	2425	768	245	1437	456	439	1072	340	
20	113	2120	672	342	1218	386	625	901	284	

So, if it's a Tropical Band loop you're after 4 turns on a 12" square loop at 1/2" spacing (16 ft of wire) will do it, or into the X band with 20 turns on a 12" square at 1/4 inch Get looping

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Contact Paul Aronsen, 10 Girvan Street, Wallacetown. Southland.

Phone 03 2358 436 or E-mail pauldx@es.co.nz

MEDIUMWAVE	DEC	APR	INC	CNTS	SHORTWAVE	DEC	APR	INC	CNTS
OPEN (Over 500)					OPEN (Over 500)				
Laurie Boyer	3972	4006	34	137	Ian Cattermole	4201	4267	66	199
Ray Crawford	2255	2270	15	188	Günter Jacob	2479	2494	15	160
Paul Ormandy	1517	1521	4	141	Ray Crawford	2464	2466	2	227
Sutton Burtenshaw	996	1003	7	102	John Durham	2225	2225	0	264
David Ricquish	777	778	1	65	Laurie Boyer	1750	1750	0	183
Bryan Clark	673			120	John Campbell	1645	1665	20	261
Mark Nicholls	643	643	0	67	Paul Ormandy	1621	1624	3	240
John Campbell	642	642	0	129	Bryan Clark	1548			236
Paul Aronsen	529	529	0		Lindsay Robinson	1434	1435	1	171
Lindsay Robinson	524	524	0	56	Robert Park	1393	1400	7	96
SENIOR (301 - 500)					Ross Gibson	1055			162
Peter Grenfell	443	443	0	37	Graeme Dixon	916			117
Stuart Forsyth	426	463	37	43	Paul Aronsen	733	789	56	125
INTERMEDIATE (151 - 300)					Peter Grenfell	653	653	0	133
Andy McQueen	295			21	Ian Wells	582			133
Robert Krijger	228			13	SENIOR (301 - 500)				
Günter Jacob	206	207	1	44	Andy McQueen	368			103
JUNIOR (5 - 150)					INTERMEDIATE (151 - 300)				
Ian Wells	108			15	Stuart Forsyth	299	343	44	102
Robert Park	86	86	0	2	Arthur de Maine	260	265	5	91
Adam Claydon	71			4	JUNIOR (5 - 150)				
Arthur de Maine	51			10	Adam Claydon	123			40
					Mark Nicholls	121	121	0	55
FM-TELEVISION					Daniel Bloomfield	13			11
Robert Krijger	678			6					
Bryan Clark	148			5	Stuart Forsyth				
Paul Ormandy	110	110	0	5	c/- NZRDXL, P.O.Box 3011, Auckland				
Adam Claydon	49			1	or direct to 46 Akaroa Drive, Maupuia,				
Mark Nicholls	42	42	0	2	Wellington 6003				
Andy McQueen	29			2	E-mail: smforyth@xtra.co.nz				
Robert Park	18	19	1	1					

A fair response this month - thank you everybody.

Welcome back to David Ricquish on Broadcast. He got all excited because he found an old QSL that he had forgotten about (dated 1971). I too got excited because I thought it might be that elusive Cuban, but no it was only Radio New Hebrides on 1420! John Allchin will have his totals ready for next time he promises me!

On Shortwave Ian Cattermole is still on 199 countries - where will that elusive no. 200 come from? Arthur de Maine inches his way towards 100, and I have finally cracked the ton! Robert Park moves to 96 countries, adding Egypt to his list - proving that patience pays off.

I have been away, so if anyone missed out, please let me know and accept my apologies.

Till June, 73s, Stu.

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.

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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

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NZ DX Times
PO Box 3011
Auckland
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