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In Patagonia - A DXpedition at the End of the World

by Rocco Cotroneo of Brazil

What follows is the story of a test (or should I say a "taste") for a future serious medium wave DXpedition at the end of the world, *la fin del mundo*, as Argentinians call their extreme Patagonia region. Since I live in South America, I had always wondered how conditions were like down there, if I could find a place comparable to legendary Nordic AM DX sites like the Scandinavian ones, Newfoundland, Grayland, or in this hemisphere, like New Zealand

and Australia DXpedition spots. The adventure was fast, just two nights, but exciting and the answer to my question is definitely yes. Approaching the South Pole too, things are great for radio. At 53 degrees south, 100 km from the end of continental Americas, I suspect this has been the most austral DXpedition ever.

What was I doing there? Not tourism, not Chatwin remembrance but work... Yes, it was also a free round trip. I was covering the new Argentinean president Nestor Kirchner in his hometown, Rio Gallegos, and had decided before leaving Rio de Janeiro to take my AOR 7030, together with some basic stuff in the photographer bag I usually carry for fast DXpeditions. Wires, camping battery, earphones, minidisk recorder, frequencies lists. The idea was to take 2 or 3 days off after the assignment. There was not



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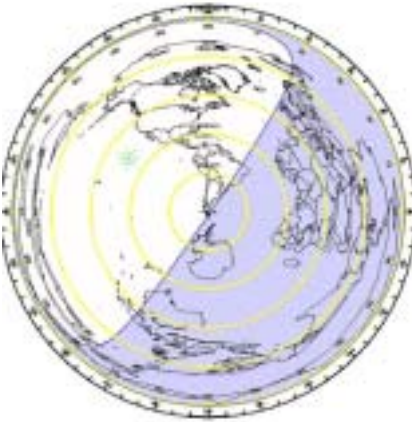
much I could arrange in advance, as my newspaper asked me to leave home with just 24 hours notice. A fast search on the Internet and a few telephone calls almost killed my dream in advance. There was not one single hotel or "estancia" (farm) for tourism open in this season out in the countryside. Everything there closes down for winter after the Easter break. I cried out when in Rio Gallegos with local tourism office. No way. Then Adrian came...

I knew Adrian through a friend of a friend of a friend of the president of the local ham club. The Rio Gallegos radio club was my last and desperate resource to find a place far enough from my city hotel, where conditions were extremely noisy and the only exotic thing I could hear was Falkland Islands on 530 and 550, right off this coast. Argentineans, true, are lovely people. The ham gang helped me immediately, even without understanding, as often happens with them, what I was talking about. Adrian himself has nothing to do with radio. He is a nice *estanciero*, a sheep farmer, in his thirties, who was heading to his land with his Toyota jeep, some stuff for the farm and 4 dogs. He just said, "OK, come with me. Just know that we have no electricity after 10 p.m. and we eat lamb twice a day, everyday." I had a camping battery with me and I love "cordero." What could I ask more?

The Place: The "Estancia el Relincho" is located 240 km west of Rio Gallegos, not far from the Chilean border. It's hard to imagine a place in the middle of nothing like this. The nearest electric pole is 18 km away, the nearest tiny town at 40km distance. Around the estancia, in theory, it's possible to put an array of ten to fifteen 1km-long beverages antennas... and sheep don't like wires too much, I was told. I had only two 200-m tiny wire rolls with me. After a 3 hour drive, we arrived there at 9 p.m. It was freezing and dark outside and Adrian helped me to lay the wires on the ground. Any other antenna arrangement would have been difficult. I had only 48 hours to spend here and the first night was about to start.

From an azimuthal map I made before leaving, the most interesting target was supposed to be South Pacific. I laid the first wire at approximately 240

Rio gallegos



degrees, beamed towards New Zealand and Australia, and the other one at a right angle, heading towards South Africa and Asia. I was not very interested in Europe or Middle East for a number of reasons. Firstly, the location was too far from the Atlantic Ocean, secondly Europe and its powerhouses are common catches for me in Brazil. Last but not least local sunset hours, usually good for TA reception in South America, were not usable because the energy generator in the estancia is too noisy until it is turned off. As for North America, I had not the slightest idea whether reception was possible. I was more worried about interference from Argentina and Brazil if putting a north wire. It was a blind date.

What Happened? When I switched on my radio at 11.00 pm. (0200 UTC) the first night, I realized

I was going to have a painful problem. My battery has six hours capacity and the austral winter nights are long. I had to spare energy as much as possible to get through the most interesting hours. My laptop had enough battery charge and greyline software advised me I should wait at least 0400 (all times are UTC from now on) for Tahiti sunset and 0530 for New Zealand. On the northern front, the whole Americas would have been in the dark by 0330. Propagation would then decide what to listen to. Surprisingly, the dial was crowded with local and semi local signals on any frequency. I had expected a quieter situation. Patagonia is well away from densely populated areas, Central Argentina is 2,000 km away as are the most populated areas in Chile. Still, all Buenos Aires stations were strong and stable, as were Santiago's. Likewise Peru on 1470 and 1500. The big Brazilians (1040, 1100, 1220, 1280) easily made the big distance too. Inland AM propagation is not easy in Latin America. I have never heard Peru from Rio de Janeiro, for example, and just a few stations from Chile and Venezuela, in special conditions. Another interesting discovery was the huge number of split, off-frequency stations, mostly presumably from Chile and Peru.



The X-band was crowded too, with Argentinean pirates, but the first real DX came in right there, at the very top of the dial. At 0400, after a long no-stop music program followed by ABC news, 1700 kHz was revealed to be *Oldies Radio* KQXX Brownsville, Texas. Not bad. The signal stayed there, weak and with long fading, all night long. Propagation was heading north at 0415, when *TWR* Bonaire boomed in on 800, dominating the MEC station in Rio de Janeiro. A few minutes later it was Ecuador's turn to kill the dominant Sao Paulo station - *Radio Splendid Cuenca* on 1040. Now distant signals were getting interesting. *Splendid* is

supposed to be 10 kW - at a good 6,000 km, their signal was strong. At least my wires were working.

At 0420 an even stronger signal came in on 1090. US, definitely, with sport, mixed with another station. "Sporting News Radio," damn... no way to ID it... On 750 and 810, two big *Caracol* stations from Colombia and I realized that the west side of the continent had almost totally overwhelmed the Atlantic side, the Brazil and La Plata dominant stuff. At 0520 everything was clear and I was experiencing a US West Coast opening! On 740, "traffic and weather together" with San Francisco temperatures announced as KCBS with strong ID "All News 74." At 0600, on 1530, ABC news started after an exciting KFBK jingle from Sacramento, California. Network programs with talk shows, with fast fade-outs, showed up on 810 and 1200. The big signal on 1090 was still on. Now I am almost sure it was the all-night "Sporting News" program from *Mighty 1090*, I guess the former XEPRS transmitter from the Mexican border broadcasting for San Diego, California.

It was time to check Pacific channels and Bruce Portzer's excellent *Pacific Asian Log* was the right tool. A carrier on 738 was presumed to be Tahiti, but it never turned into a real signal to listen to. Just a few seconds with soft music. My Pacific wire was too short and I decided to focus on high frequencies. At 0650, yes, it came in... *Radio Sport* from New Zealand on 1503. I taped a tentative ID from what was possibly the Wellington 5 kW outlet. I think I have never been able to ID such a weak signal in my whole DX life. The quietness of the estancia did it and I also want to thank veteran New Zealand DXer Paul Ormandy who confirmed the catch. Then just time to listen to weak music on 1098, another talk station on 1593 before the battery died... At 0720, with five more hours of darkness... Hawaii? Australia? Japan? I will never know if even more exotic catches were to show up or not.

The second night was much less exciting. Propagation was all favouring the other side of the Americas. More common catches like Virgin Islands on 1620 and Bahamas on 1540, and a good WTOP ID on 1500, suggested that the US West Coast is not a everyday meal here and that I had been very lucky the previous night. (Thanks also to Neil Kazaross to and Mark Hattam for helping me on 1620 and 1540). My battery kept on until 0830 but the Pacific bubble was so weak that no significant emerged from 1503, 1314 and 1098 carriers.

It was a great experience anyway, I could not expect more from such a quickly planned DXpedition. California is 10,000 km away and my 2.5kw New Zealand catch "just" 8,000 km. Next time I will need a couple of car batteries, more wire and most of all a couple of volunteers with their receivers and experiences to share the excitement.



*Thank you to Rocco Cotroneo of Brazil for permission to reprint his article on his DXpedition to Patagonia.
Chief Ed.*

Rocco Cotroneo of Brazil

www.faiallo.org/patagonia.html



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

KHz	UTC	Country, Station, Programme, & Reception Details
2310	1040	AUSTRALIA, NT service with pop music and songs — ABD 26/5
3275	1135	PNG, R Southern Highlands with C&W songs, noisy — ABD 23/5
3279.5	0418	ECUADOR, R Maria del Ecuador fair with relig talk — PWO 18/5
3300	0420	GUATEMALA, R Cultural fair with relig prgm in EE — PWO 18/5
3310	0923	BOLIVIA, R Mosoj Chaski with rustic vocals, in Spanish, ID and freq announcement 0929, more vocals , fair - #RAD 30/4
3350	0422	COSTA RICA, REE, Caiari good with talk in Spanish — PWO 18/5
3365	1754	INDIA, AIR Delhi non-stop songs in Hindi, v good with no QRM — MT 29/5
3905	1927	PNG, R New Ireland fair with music and talk giving Txer power as 10kW- AJS 14/5
3976.1	1350	INDONESIA, RRI Pontianak with 2 Oms in Indonesian, IS 1359then ID, fair — MT 1/6
4319	0507	DIEGO GARCIA, AFN fair on USB in EE with weather forecast, a little distorted CC 13/5
4389.2	0936	PERU, R Imperio poor with live audio from a hall, background music and crowd noise — PWO 24/5
4635	1820	TAJIKISTAN, R Dushanbe song from 1820 to 1845 then OM in Tajik, weak but clear — MT 29/5
4753.4	1310	INDONESIA, RRI Makassar with interview in Indonesian with mention of Indonesia and Sulawesi, song at 1315, fair — MT 1/6
4770	0503	NIGERIA, R Nigeria fair, clear signal discussing national disaster and civil defence, nothing on // 7255 or 15120 — DN 25/5
4770	0505	NIGERIA, FRCN with EE news fair — AD 18/5
4820	0455	BOTSWANA, Kwela music and bird calls, in vernac with news of Charles Taylor in Liberia — DN 5/6
	0500	BOTSWANA, R Botswana with Afro pops and Setswana announcements to top of hour, fair at times — DN 25/5
	2000	TIBET, Xizang PBS, Lhasa good at s/on theme tune, IDs in Chinese, vernac and EE then national news, good. Sometimes heard with instrumental music prior to s/on — PWO 20/5
4832.1	0428	UNID, unremarkable music at 0428, off by 0500 — DN 5/6
4835	2345	MALI, RTV Malienne with lively music in Frechn and talk, ID and s/off at 0001 followed by band natl anthem, fair/good v- # RAD 18/4
4845	0630	MAURITANIA, RTV Mauritanie v good in Arabic best ever but doesn't seen regular — IC 6/5
4860	1815	INDIA, AIR Delhi Hindi songs, v good but not in // with 3365 — MT 29/5
4870	0850	INDONESIA, RRI Wamena?? Good with plenty of EE recordings, into Indonesian at 0930 with news? Some mention of Timor, not in // with other

RRI outlets at this time. Has been reported as RRI Wamena — IC 21/5

0941 INDONESIA, RRI Wamena chat by FA in Indonesian, then light music, fair — PWO 24/5

4876 0930 BOLIVIA, R Cruz del Sur v good in Spanish — IC 14/5

4890 0430 PERU, R Macedonia off and on through to 0600 with music and Spanish announcements, only one ID in this time, fair to good for 1KW — DN 25/5

0445 GABON, RFI fading in at 0445 with discussion on "Sercuritie" issues in French and outgunning R Macedonia, strong with s/off at 0500 — DN 25/5

0526 PERU, R Macedonia fair/good best heard with relig prgm until 0601, then musical interlude and another relig prgm — PWO 21/5

1902 PNG, Port Moresby v good in EE with Australian news on budget then Solomon IS news — KAB 13/5

4915 0529 GHANA, GBC with s/on with cock crowing and guitar music then into choir ID, still going at 0600 but weak — DN 25/5

0920 BRAZIL, R Difusora v good in Portuguese with phone calls — IC 6/5

1930 KENYA, V of Kenya weak with talk in Swahili on a good morning, not as good as in the past — PWO 20/5

4915.2 1800 BRAZIL, R Anhanguera fair with commercials and ID — AJS 8/5

4929.9 0930 BOLIVIA, R San Miguel with lively Latin music but no positive ID, confirmed as San Miguel by PWO — IC 25/5

4930 2000 TURKMENISTAN, Turkmen Radio Ashabad fair in LSB mode, freqs then news in Turkmen. A second audio feed heard under only present in LSB so presume a studio error?? — PWO 25/5

4950 0240 ANGOLA, R Nacional with group singing in Portuguese then talk, ID , freq. Announcement, poor/fair // 11955.7 fair/good - # RAD 22/4

0512 ANGOLA, R Nacional Angola with clear ID in Portuguese and mentions of Angola — DN 5/6

0520 ANGOLA, R Nacional with talk in Portuguese then into choir music, faded out by 0528 — DN 25/5

4959.9 0440 SAO TOME, VOA in EE with report on UNHCR's work in Africa, weak but clear — DN 5/65

4960 0529 SAO TOME, VOA with YL & OM in EE, v poor and ID at 0530 — MT 16/5

1009 ECUADOR, R Federacion Shuar (tent) good with mention of Federacion AJS 14/5

2000 ITALY, IRRS good with news in EE, best on SSB to avoid data QRM — AJS 20/5

5020 1014 SOLOMON IS, SIBC with island vocals talk in EE, ID, announcement of events in Honiara - # RAD 26/4

1905 SOLOMON IS , SIBC with island CHOIR SINGING, GOOD — Kab 13/5

5025 0845 CUBA, R Rebelde fair in Spanish — IC 18/5

5027 1730 PAKISTAN, Pakistan BC with OM in Urdu? With songs and chat. Koran at 1805, natl anthem and s/off at 1810, weak but better around 1800 — MT 29/5

5030 2310 BURKINA FASO, R Burkina with vocals & rap tunes with French MA. FA with ID at 2324 as "R Burkina" goone at 0000 re-check, fair/good # RAD 18/4

5039.2 1150 PERU, R Libertad with songs and ID in Spanish, weak with QRM — MT 24/5

5040 1700 INDIA, AIR Jeypore, excellent in Hindi with songs in Hindi — MT 29/5

5046.7 2330 TOGO, R Togo with continous EE lyric pop tunes until MA in French then ID, S/off then natl anthem - # RAD 21/4

5050	0457	USA, Unid relig stn with address and New York phone number, powerful signal. (possibly WWRB Tennessee, KAB) — DN 25/5
5060	1420	UZBEKISTAN, R Tashkent in Uzbek with interview, fair — MT 14/5
5080	1748	PAKISTAN, PBC Islamabad with YL in Urdu with talk, Koran at 1758 then natl anthem and s/off at 1802, not // to 5027 and better signal — MT 29/5
5745	0950	USA, WHRI with EE relig prgm — ABD26/5
5755	0946	USA, KAIJ with EE relig prgm — ABD 26/5
5780	1902	ITALY, IRRS fair in EE with ministry gospel relay, good ID at 1932 — IC 21/5
5780	1902	Italy, IRRS with EE relig relay , fair — IC 20/5
5825	0942	USA, WEWN good with EE relig prgm — ABD 26/5
5850	2045	SWEDEN, RCI via Horby good in EE — IC 11/5
5935	1120	USA, WWCR MA with EE relig prgm, noisy — ABD 25/5
5940.1	0454	PERU, R Bethel (tent) fair with Spanish gospel back to back — PWO 24/5
5952.5	9224	BOLIVIAR, R Pio Doce poor though clear with talk and Andean tunes, abrupt s/off at 0230 — PWO 18/5
5958.6	0914	COLOMBIA, Caracol fair with news prgm "Ultimo Minuto" — PWO 23/5
5970	1800	GERMANY, Bible Voice BC via DTK poor in EE — IC 13/5
5973.5	0742	COLOMBIA, R Autentica fair with Colombian pops , regular TC by FA every minute over music — PWO 20/5
5980	0900	USA, R Marti good in Spanish — IC 7/5
5985	2152	CONGO, RTV Congolaise with vocals and various French men with discussions, ID 2243 followed by French pop vocal, ID, s/off, poor/fair - # RAD 23/4
5990	0850	BRAZIL, R Senado good in Portuguese — IC 7/5
	0916	BRAZIL, R Senado good with date, TC, and "bom dia " calls to various states, presumed s/on at 0900 — PWO 23/5
6000	0500	CUBA, R Havana Cuba fair in EE — IC 24/5
6009.9	0806	COLOMBIA, La Voz de Tu Conciencia poor/fair in Spanish with relig talk, some distortion. Better on LSB to avoid QRM from 6010 — PWO 20/5
6010	0704	CHILE, R Parinacota fair with canned IDS in break-out from Radio Cooperativa news prgm. Lots of talk with musical interludes, difficult with QRM — PWO 20/5
	0805	MEXICO, R Mil poor with Spanish ballads, jingleand canned ID, dominated by Parinacota, not as strong as it used to be — PWO 20/5
6010.2	0809	BRAZIL, R Inconfidencia poor with talk suffering QRM from Parinacota — PWO 23/5
	2245	BRAZIL, R Inconfidencia with pops, Portuguese talk, canned ID and jingles at 2259, poor/fair - # RAD 18/4
6020	0957	AUSTRALIA, R Australia fair/good in EE with talk about trade unions — ABD
	1100	AUSTRALIA, R Australia fair and noisy with news on SARS, some splash from WYFR 6015 - # JSB 21/5
	1300	AUSTRALIA, R Australia good in EE with Asian news and comment, off at 1357 - # JSB 25/5
6025	0905	DOMINICAN REP, R Amanecer Intl good with relig prgm until 0955 then several IDs and mentions of Santo Domingo. Thanks to tip from PWO — IC 6/6
	1001	DOMINICAN REP R Amanecer Intl poor/fair with full ID following relig prgm, then into gospel music — PWO 22/5
	1920	HUNGARY, R Budapest poor in EE with news comment Classical music, ID

1926, freq sked, ID 1928 — KAB 12/5

6035 0600 USA, VOA good in EE with VOA News Now - # JSB 23/5
0620 STH AFRIVCA, VOA with Daybreak Africa, v good - # JSB 29/5
0918 COLOMBIA, La Voz del Guaviare poor with Colombian pops suffering splash from both sides — PWO 23/5

6040 0900 BRAZIL, R Clube Para fair in Portuguese, ID at 0903 — IC 8/5
1100 USA, R Marti v good in Spanish with World News - # JSB 21/5
2130 GREECE, VOA v good in EE — IC 21/5

6042.5 0642 PERU, R Melodia with many IDs, nice clear signal — DN 7/6
0718 COLOMBIA, R Melodia weak with lengthy news and the odd “Melodia” spoken over the news by FA- PWO 29/5

6050 0750 USA, R Marti good in Spanish, free of jamming affecting //s of 6030 & 5980 — PWO 21/5

6055 1957 RWANDA, R Rwanda poor in vernac with low modulation under R Slovakia Intl - PWO 25/5

6070 0600 CHILE, Voz Christiana in Spanish and Italian with relig prgm and music, fair JSB 29/5
6080 0917 BOLIVIA, R San Gabriel with Spanish talk, flute music, and ads, canned echo ID at 0932 followed by relig prgm, fair with Brazilian QRM - # RAD 30/4
1910 AUSTRALIA, R Australia v good with Pacific Beat after ID // 7240 — KAB 20/5

6115 0230 ALBANIA, R Tirana fair in EE stronger on // 7160 though the latter suffered from poor audio — PWO 18/5
0232 ALBANIA, R Tirana with EE news items, 0238 ID, fair/good — AD 18/5

6125 0500 COSTA RICA, REE with news in Spanish until 0513, v good - # JSB 29/5
6140 0600 GERMANY, R D Welle v good in EE — IC 7/5
6150 0516 COSTA RICA, University Network with Dr Gene Scott ID and address in EE , fair with swing music and requests for money — KAB 25/5
1100 STH Africa, Channel Africa good in EE with news music, interviews, fading at 1330 // 9600 QRM from Cuba - # JSB 25/5

6160 1058 PHILIPPINES, VOA with s/on 1100 ID, news, slight co-channel QRM — ABD 25/5
6165 2220 CHAD, Radio Diff Nationale lively music then man with French s/off announcements followed by orchestral natl anthem, some QRM - # RAD 18/4
2239 CROATIA, Hrvatska Radio non-stop music prgm with EE lyrics, no announcements and off at 2300 but confirmed by Anker Petersen as Croatia # RAD 22/4

6175 0235 CANADA, V of Vietnam poor/fair in EE with talk on provincial development PWO 18/5
0400 VIETNAM, R Vietnam in Vietnamese with several IDs, v good - # JSB 29/5

6185 0615 MEXICO, R Educacion with music de Carib then into Cuban music - # JSB 23/5
0915 MEXICO, R Educacion v good in Spanish — IC 8/5

6275 0354 GERMANY, Crazy Wave Radio with EE ID and rock and roll songs — AD 18/5
6275.8 0109 PIRATE (Euro) Unid with rock music, prob. Crazy Wave Radio which was supposed to be on 6275, Weak, heavy QRN - # JB 18/5

6294.9 1957 IRELAND, Reflections Europe (tent) week with preacher — PWO 19/5
6350 0314 CLANDESTINE, (Eritrea) V of Peace and Democracy of Eritrea, carrier on at 0314, brief IS, ID, and music. Prgm was talk with interludes of singing. Ended 0350 followed by V of Tigray Revolution, Ethiopia with IS, from the same

transmitter. Is there any known QSL route for VPDE other than possibly via VTR? - # JB 6/5

- 6925 0110 PIRATE, (US) WHYP with ID, e-mail address and report on 3rd Annual WHYP Croquet open , good - # RAD 19/4
- 0140 PIRATE, Sunshine Radio FA with ID and music and off, poor/fair - # RAD 21/4
- 6950 0349 UNID, PIRATE on USB with rap music, perhaps Shorty Longway Show?? Fair - # RAD 12/4
- 0308 PIRATE, WBNY commander Bunny with IDs and mention of rodent revolution on this special Easter broadcast - # RAD 20/4
- 7125 0410 GERMANY, AWR via DTK fair in Bulgarian with EE ID at 0433 — IC 19/5
- 0600 GUINEA, RTV Guineenne weak with news in French till 0603 then Koran, improving past 0700 — PWO 23/5
- 7135 2344 MOROCCO, Radio Diff TV Moracaine with long Arabic vocals by man with Arabic talk between selections, ID and off at 2359, fair/good - # RAD 6/5
- 7155 1910 THAILAND, R Thailand fair in EE with health comments — KAB 12/5
- 7160 0500 ASCENSION IS, BBC WS fair in EE with World News - # JSB 23/5
- 1536 CHINA, CRI fair in EE with OM & YL discussing children learning in EE , scratchy // 9785 QRM — CC 30/5
- 7190 2230 RTV Tunisienne with mix of Arabic talk and music, ID and freq announcements at 2300 before headline NEWS AND OFF - # RAD 23/4
- 7205 2350 SAO TOME, R Sawa lively Arabic vocals , Sawa ID at top of hour followed by EE lyric vocals, good - # RAD 6/5
- 7210.2 0530 BENIN, R Nationale poor with talk in vernac — PWO 23/5
- 2255 BENIN, R diff De Benin French pop vocals followed by ID and s/off 2259, orchestral natl anthem ended broadcast, poor/fair - # RAD 7/5
- 7225 0400 RWANDA, R Dwelle via Kilgali fair in EE - IC 8/5
- 7245 0830 MAURITANIA, R Mauritanie poor though in the clwear with Arabic music — PWO 23/5
- 1535 IRAN, VOIRI good in EE with ID and news// 9635 & 11755 the same — CC 11/5
- 7260 0729 VANUATU, R Vanuatu fair/good with indig music then ID followed by freqs 1125, 4960 (not used for a long time), 7260, and 98.1fm, giving news in Bislama — PWO 21/5
- 1100 THAILAND, R Thailand gong IS followed by EE ID and Vietnamese prgm, at 1115 another EE ID then Kmer prgm, fair - # RAD 14/4
- 1913 GERMANY, VOA with answers to e-mails in EE, good with Vanuatu in the background — KAB 12/5
- 7275 1913 NTH KOREA, V of Korea fair in EE with comment on news, ID 1914, family magazine show — KAB 20/5
- 1915 SPAIN, REE v good in Spanish to Europe — KAB 12/5
- 7295 1915 MALAYSIA, RTM4 fair with EE pops and EE announcements — KAB 20/5
- 7305 1915 VATICAN, R Vaticana fair in Spanish with economic comment after ID — KAB 12/5
- 7315 1903 FRANCE, RFI excellent in French to Nth Africa — KAB 22/5
- 7390 1910 RUSSIA, V of Russia distorted with very loud IS, ID then into French prgm — KAB 22/5
- 7410 1905 India, AIR Bangalore good with news in EE, ID 1910 — KAB 20/5
- 7430 1758 ?? Bible Voice Network fair in EE with ID and relig message, scratchy — CC 19/5 (Broadcast from Txer in Armavir, Russia using UK prgm — KAB)
- 7500 2128 BULGARIA, R Bulgaria with EE ID, fair with some fading — ABD 12/5

Logging of the month

goes to **Paul Ormandy** for R Imperio, Chiciayo, PERU on 4389.2kHz at 250W.

Last year I downloaded a list of all Latin stations logged in the year ending March 2002, came to 15 pages. This year the 2003 data came to only 11.25 pages, a 25% reduction!! If you want to log those Latin's, get in now before they are all gone.

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

73's, Ken Baird

CONTRIBUTORS FOR THIS MONTH

ABD — Arthur De Maine Kakanui, Drake R8, 50m wire : **AD** — Arthur De Maine, Wainakarua, Icom R70, one of PWO's antennas : **AJS** — Andrew Sunde, Ohai, ICF 2001, 5MHz dipole, 40m wire : **CC** - Cliff Couch, Paraparaumu, ATS 803A, 60m horizontal loop, 32m E/W wire, 4 band N/S dipole : **DN** — David Norrie, Whitford Forest, Auckland, AOR 7030, fence post antenna : **IC** — Ian Cattermole, Blenheim, JRC NRD 535, T2FD and Alpha Delta antennas: **JB** — Jerry Berg, Lexington, MA, USA, R8, 130ft longwire, 19 & 90m dipoles : **JSB** — Jon Standingbear, Beaumont, California, USA, JRC NRD345, 80ft wire : **KAB** - Ken Baird, Christchurch, R5000, Drake SW2, 18m Wire, SW Eavesdropper: **MT** — Marcelo Toniolo, Auckland, JRC NRD 545DSP, 10m wire, MFJ 959B Pre-amp/tuner : **PWO** — Paul Ormandy, Oamaru, SPR4, Numerous dipoles etc : **RAD** — Richard D'Angelo Wyomissing USA, R8B, Lowe HF 150, Alpha Delta sloper, RF Systems mini windom, Datong FL3, JPS ANC4.

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



DXing-at-Waipu-Cove.Auckland's DXing team in action - at the radio controls and always at least one into Jim Pope's "Shortwave" radio magazines! Photo Courtesy Phil van de Pavverd

bandwatch.over9@radiodx.com

Compiled by Andy McQueen, Brightwater

Hello again from an unusually warm Brightwater. A Special welcome to new member Marcelo Toniolo Auckland and a welcome back to Arthur De Maine now resident in Kakanui North Otago. Please note all times given are UTC.

KHZ	TIME	COUNTRY STATION & PGM DETAILS INITIALS
9335	1512	NTH KOREA V of Korea Fair in EE with News and Id // 13760 weaker 11/5 CC
9550	0400	ROMANIA. RRI. Fair in EE. 6/5 IC
9555	0958	PHILIPPINES Radio Veritas Asia, Palauig. This is Radio Veritas Asia, broadcasting from Quezon City Philippines by YL at 0959. Fair>signal. 18/05 MT
9575	0720	MOROCCO Radio Medi Un, Nador, good with ads in mix of French and Arabic, and Arabic music.22/5 PWO
	0920	Good/Fair in mix of FF & AA with AA and EE pop Mx Some co-channel QRM Id 0939 18/5 KVB
9605	2040	GERMANY IBRA via DTK. Good in AA with some EE. 22/5 IC
9665	0200	RUSSIA VORWS Fair/good with fading with EE ID news 19/05 ABD
9710	0543	SPAIN REE Strong in SS // 12035 the same 6/5 CC
9745#	0300	ECUADOR HCJB Interesting pgm with usual EE line-up but with historical focus. Light M 0530-0559, dead air for the last minute, pips 0600, dead air again until 0601 when shut down with no announcement – On Jun 1 checked 15115 for EE 1100 and found it strong, but not as good by 1230; QRM then, though still dominant.1/6 JB
9745	2058	BAHRAIN Radio Bahrain, tent the station with talk in AA. Prior to 2058, the signal suffers heavy interference from 9750kHz, then at 2100 an unidentified Arabic-language clandestine signs-on, the latter thought to be Libyan-based targeting Iraq. Bahrain and the clandestine then mix about 50/50 until they fade out. 16/5 PWO Update: no sign of the clandestine so Bahrain was in the clear.23/5
9775	0400	CHINA.CRI. Fair in EE. //9560. 23/5 IC
9830	2157	TURKEY VOT I/signal then EE S/on News then Football Modulation not good 27/5 RFK
9840	1003	VIETNAM VOV Good in EE with News about Vietnam 25/5 CC
9850	0515	MONACO TWR. Fair in Polish after EE ID. Off again at 0530. 28/5 IC
9850	2220	SAO TOME VOA. Poor in EE. Severe co-channel QRM. 23/5 IC
9885	0315	BOTSWANA VOA Fair/Poor in EE with comment on Sth African Affairs and NBA results Occasional ute QRM Id at 0322 18/5 CC
9990	2130	EGYPT Radio Cairo Fair with News in EE reception improved by 2155 to Good 12/05 ABD
10320	0500	HAWAII AFRTS Good in EE using USB mode with News and then Id 13/5 CC
11620#	0013	INDIA AIR-Patna via Delhi, Usual AIR start up, then pgm of various talk and Indian Mx, a few brief silent periods. Signal went off at 0055, back a little weaker at 0058, through TOH when there was what could have been an ad, then more Mx. Was a pretty good signal at opening, but I could not pick out a Patna Id. Nothing heard on 9595. Anyone else listening at this hour? 18/5 JB
11650	2050	SWEDEN R Sweden Good in EE with usual weekend pgm 18/5 AMQ

11710	0528	SOUTH AFRICA Channel Africa Fair in EE with news headlines and Id 6/5 CC
11735	1010	NTH KOREA VOK Good in EE with News and Id @ 1014 // 9840 & 13650 weaker 25/5 CC
11745	0215	CHILE Christian Voice, Santiago. Program in Portuguese language answering letters from listeners from all parts of Brazil. Christian songs at 0215. Fair signal and interference. 25/05 MT
11750	0450	RUSSIA VORWS Good in EE with news items, Id at 0410 hours Good 24/05 ABD
11750	2015	AUSTRIA? AWR Good in EE with Health report saying eating Nuts 5 times a week reduces Heart attacks So it is OK then to have a some peanuts when I have a beer? 25/5 AMQ
11770	0340	MEXICO Radio Mexico International, Mexico City. YL in SS mentioning Mexico a couple of times and song played in piano. Weak and interference. 25/05 MT
11770#	1000	AUSTRALIA HCJB-OZ: Maybe the recent increase to 50 kw on 11770 has helped some because they were on with a much improved signal, QRM from co-channel WYFR until a little after 1000 but then dominant with fully listen able pgm until losing ground again toward 1030. 1/6 JB
11785	0004	UNKNOWN LOCATION R Sawa Good in AA with pop Mx and probable News Id 0008 14/5 KVB
11815	0330	BRAZIL, Radio Brasil Central, Goiania. Jingle "Radio Brasil Centraaaalllll" and OM saying thanks for listening to Radio Brasil Central, Brazilian pop music at Fair signal with no interference. 25/05 MT
11835	0350	USA BBCWS via Delano good in EE with discussion about the value of some university courses now available Id at 0359 18/5 KVB
11855	2005	ASCENSION ISLAND VOA Good in EE with Nightline Africa 25/5 AMQ
11875	2158	GUAM. KTWR. Poor in CC with EE lessons. 5/5 IC
11910	0152	VATICAN CITY Vatican Radio Good in SS talk followed by address by the Pope. Id at 0220 2/5 KVB
11975	0415	GT BRITAIN? BFBS .Site Unknown Strong in EE. 6/5 IC
11980	0309	RUSSIA R Rossi Fair Good in RR with classical Mx then jazz phone in pgm then News Id 0310 2/5 KVB
12040	0307	UKRAINE Radio Ukraine Int. very good in EE with item on Iraq. 18/5 PWO
12040	0310	UKRAINE R. Ukraine International In EE with news items, 0315 Id, 0320 DX programme 18/5 AD
12075	1545	UZBECKISTAN R Nederland Good in EE with Doco on Colombia News after Id at 1600 Some QRM 30/5 CC
12085	1001	MONGOLIA VOM Fair in EE Opening in EE with Id and announcements 25/5 CC
12095	0135	ASCENSION ISLAND BBC Good in EE letters from listeners Good 19/05 ABD
12105	2230	GUAM. KTWR. Fair in Hakka. 21/5 IC
12140	1930	GERMANY IBRA via DTK. Strong in African dialect. 20/5 IC
12690	0455	'USA? AFRTS Weak in EE with Notice on Drinking and driving Background hiss 13/5 CC
13620	2240	AUSTRALIA Radio Australia Poor/fair in EE talking about the stock market 25/05 ABD
13665	2150.	IRAN VOIRI. Good in EE. 13/5 IC
	2200	IRAN VOIRI EE announcer talking with a male about Israel and the occupation 12/05 ABD
13690	2115	GT BRITAIN RCI via Skelton Fair & slightly noisy with EE news items from

around the world 12/5 ABD

13715 2200 GUAM KTWR. Strong in Mandarin. 21/5 IC

13725 1900 GERMANY. Bible Voice BC. via DTK. Opens in EE. Good. 20/5 IC

13790 2000 CHINA. CRI. Good in EE. 23/5 IC

15020 1010 INDIA, All India Radio, Aligarh, comments about relationship between India and Pakistan and conflicts in Kashmir. OM em EE "You are listening to the General Overseas Service of All India Radio" at 1015. Fair signal without interference. 21/05 MT

15120 0245 PHILIPPINES. Radio Pilipinas. Fair in EE. 12/5 IC

15120 0511 NIGERIA VON Fair in EE with talk on Nigerian elections A little noisy 13/5 CC

15150 2126 AUSTRIA AWR Moosbrun Good with S/on in EE Id and item about forgiveness then Mailbag Closes at 2158 27/5 RFK

15170 0507 SAUDI ARABIA BSOTKSA Fair in AA with Koran chanting //21495 weaker 6/5 CC

15175. 2000 GERMANY AWR via DTK. ID and address in EE then into FF. 11/5 IC

15205 2000 GERMANY D/Welle Nauen V/good in EE with News and then Mailbag 25/5 **RFK**

15215 0610 SOUTH AFRICA. Channel Africa. Fair in EE. 13/5 IC

15385 2312 SPAIN REE Good in FF with electronic Mx and talk Id 2318 KVB

15480# 1359 AUSTRALIA HCJB, Good at 1359 with Id, Time check, frequency, and into summary of world Nx. Also with Id at 1500, into upbeat pgm, couldn't make it all out but this is about the best I have had them. And a little better at 1600 17/5 JB

15515 1735 SWITZERLAND? SRI Good in EE with Swiss News 25/5 AMQ

15585 0512 PORTUGAL RDP Fair in PP with Music pgm // 9840 weaker with QRM 6/5 CC

15745 0230 SRI LANKA SLBC Colombo, fair-good signal in EE with pops. 18/5 PWO

15775 1330 GERMANY New Horizon Society (NHS) via DTK. Fair in some Asian language. 7/5 IC

17505 1230 SWEDEN Radio Sweden Good in EE with Id & news 23/05 ABD

17605 0939 CHINA CPBS Beijing Network Fair in CC with Pop Mx and Classical Mx Possible Adds 0947 // 17550 also fair Both have rough carriers 18/5 KVB

17635 0610 RUSSIA. VOR good in EE. 12/5 IC

17840# 1400 SWEDEN. R. Sweden, apparently special Sweden-Canada "Sveriges Radio P4, Radiosporten" ice hockey broadcast that was supposed to be on this day, May 1400-1700, 17840 & 13580, per HCDX message. Heard at end of EE "SoNo" pgm a little before 1400 EE Id, then right into Swedish sportscast, apparently this. Fair signal, faded, something on 13580 but un use able there. 11/5 JB

17860 2310 RUSSIA D/Welle Vladivostok relay Poor in EE with commentary about Laos then GG by Radio and Latter comments on Iraq 3/5 **RFK**

21700 0450 UAE R Dubai Fair in AA with indigenous music and talks // 15435 & 17830 the same 6/5 CC

21795 0548 THAILAND Radio Thailand EE local news 0558 ID and sign off 17/05 AD

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

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

Logging Competition

The winning logging is Botswana 9885 kHz submitted by **Kelvin Brayshaw**

And Now a couple of DX News Items from Jerry Berg

13855U ICELAND. AFN: E-mail from Trish Huizinga confirms the site as Grindavik. "The Xmtr site for both b/cs heard by you [13855, plus 3903 in Feb 2002, verified in Dec 2002-JB] is located in Grindavik. There is a site there, attached to the base in Keflavik, that sent out our signal by mistake (before properly allowed to do so) last year. That was the 3903kHz We receive the signal from California and place it on our cable stns which can only be picked up in homes on the base. We also send 'the voice line' to the Grindavik location where the sailors here send it out on SW 13855 kHz." In a separate E-mail she says they have no plans for additional frequencies right now.

ECUADOR. HCJB: Upcoming closedown dates per HCJB HQ press release via DXPL: June 29 for RR to Asia (0330-0400 on 11865). Sep 28 for GG to Europe (0500 on 9780, 2000 on 15545 & 17790), low GG to Europe (0530 on 9780), and SS to Europe. ECUADOR. HCJB: DXPL will continue (1) via HCJB-OZ at the present time(s), but sked will expand in July and times will shift; (2) via the Ecuador site in their reduced EG release to C & So .America on Saturday at 1230 on 15115; (3) still working out how it may be carried via one or two USA stations . Re Saturday times for DXPL via HCJB-OZ, DXPL website says 0930 to Sth Pacific (11770) and 1430 to Asia (15480), but it looks like that time info was posted in Jan and I am not certain if it is current. – HCJB-Ecuador will continue to QSL; include return postage

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

73's

Andy McQueen

SHORTWAVE EXCHANGE

ABD Arthur De Maine Kakanui, Drake R-8, 50m longwire/ **AD** Arthur De Maine Wainakarua, Icom R-70, on one of Paul's great antennas/**AMQ** Andy McQueen Brightwater Sony 7600 and 1 m telescopic whip / **CC** Cliff Couch Paraparaumu Sangean ATS 803A with 60m horizontal loop/ & 32m E/W random wire & 4 band N/S dipole / **IC** Ian Catermole Blenheim JRC NRD 535 T2FD and Alpha Delta antennae/ **JB** Jerry Berg Lexington MA USA Drake R8 and 130 ft longwire plus 19 & 90 m dipoles / **KVB** Kelvin Brayshaw Levin FRG-7 & Sony ICF 2001 60m & 40m horizontal loops/ **MT** Marcelo Toniolo Auckland New Zealand JRC NRD 545 DSP Longwire 10 meters + MFJ 959B (pre amplifier/tuner) **PWO** Paul Ormandy Oamaru AOR 7030 ./ **RAD** Richard D'Angelo Wyomissing, PA USA Drake R-8B Lowe HF-150 Alpha Delta DX Sloper RF Systems Mini-Windom Datong FL3 JPS ANC-4 / **RFK** Ron Killick Christchurch Sony 6800 & 40m long wire

english in time order

Compiled by Yuri (George) Muzyka, Auckland



Time Order summary of Ken's Under 9MHz & Andy's Over 9MHz BandWatch columns. Please remember to include the date and signal strength with all your loggings and send them to the Under/Over 9MHz Bandwatch column editors, thanks.

73 - Yuri, ZL1GYM (yuri@win.co.nz <http://www.linradio.com/sources.htm>)

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

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

Time (UTC)	Frequencies (kHz)	Station Name	Station Country	Log Date	DXer Name
0135	12095g	BBC	UK	19/05	ABD
0200	9665g	VORWS	RUSSIA	19/05	ABD
0230	6115f:7160g	R Tirana	ALBANIA	18/5	PWO
0230	15745g	SLBC	SRI LANKA	18/5	PWO
0232-0238	6115g	R Tirana	ALBANIA	18/5	AD
0235	6175f	V of Vietnam	VIETNAM	18/5	PWO
0245	15120f	R Pilipinas	PHILIPPINES	12/5	IC
0300	9745	HCJB	ECUADOR	1/6	#JB#
0307	12040g	R Ukraine Int	UKRAINE	18/5	PWO
0310-0320	12040	R Ukraine Int	UKRAINE	18/5	AD
0315-0322	9885f	VOA	USA	18/5	CC
0350-0359	11835g	BBCWS	UK	18/5	KVB
0354	6275	Crazy Wave R	GERMANY?	18/5	AD
0400	7225f	D/Welle	GERMANY	8/5	IC
0400	9550f	RRI	ROMANIA	6/5	IC
0400	9560:9775f	CRI	CHINA	23/5	IC
0415	11975e	BFBS	GT BRITAIN	6/5	IC
0420	3300f	R Cultural	PERU	18/5	PWO
0440	4959.9p	VOA	USA	5/65	DN
0450	11750g	VORWS	RUSSIA	24/05	ABD
0455	12690p	AFRTS	USA	13/5	CC
0500	6000f	R Havana	CUBA	24/5	IC
0500	7160f	BBC WS	UK	23/5	#JSB#
0500	10320(USB)g	AFRTS	USA	13/5	CC
0505	4770f	FRCN	NIGERIA?	18/5	AD
0507	4319(USB)f	AFN	USA	13/5	CC
0511	15120f	VON	NIGERIA	13/5	CC
0516	6150f	University Network	COSTA RICA	25/5	KAB
0528	11710f	Channel Africa	SOUTH AFRICA	6/5	CC
0529-0530	4960p	VOA	USA	16/5	MT
0548-0558	21795	Radio Thailand	THAILAND	17/05	AD
0600	6035g	VOA	USA	23/5	#JSB#
0600	6140g	D/Welle	GERMANY	7/5	IC

0610	15215f	Channel Africa	STH AFRICA	13/5	IC
0610	17635g	VOR	RUSSIA	12/5	IC
0620	6035g	VOA	USA	29/5	#JSB#
0942	5825g	WEWN	USA	26/5	ABD
0946	5755	KAIJ	USA	26/5	ABD
0950	5745	WHRI	USA	26/5	ABD
0957	6020g	R Australia	AUSTRALIA	-	ABD
1001	12085f	VOM	MALAYASIA	25/5	CC
1003	9840g	VOV	VIETNAM	25/5	CC
1010-1014	9840f:11735g:13650f	VOK	NTH KOREA	25/5	CC
1010-1015	15020f	All India Radio	INDIA	21/05	MT
1014	5020	SIBC	SOLOMON IS	26/4	#RAD#
1040	2310	NT service	AUSTRALIA	26/5	ABD
1100-1330	6150g:9600	Channel Africa	SOUTH AFRICA	25/5	#JSB#
1120	5935	WWCR	USA	25/5	ABD
1230	17505g	Radio Sweden	SWEDEN	23/05	ABD
1300-1357	6020g	R Australia	AUSTRALIA	25/5	#JSB#
1359-1600	15480g	HCJB	ECUADOR	17/5	#JB#
1512	9335f:13760p	V of Korea	NTH KOREA	11/5	CC
1535	7245g:9635g:11755g	VOIRI	IRAN	11/5	CC
1536	7160f:9785	CRI	CHINA	30/5	CC
1545-1600	12075g	R Nederland	NETHERLANDS	30/5	CC
1735	15515g	SRI	SWITZERLAND	25/5	AMQ
1758	7430f	Bible Voice Network?		19/5	CC
1800	5970p	Bible Voice	GERMANY?	13/5	IC
1900	13725g	Bible Voice	GERMANY?	20/5	IC
1902	4890g	Port Moresby	PNG	13/5	KAB
1902	5780f	IRRS	ITALY	20/5	IC
1902-1932	5780f	IRRS	ITALY	21/5	IC
1905-1910	7410g	AIR	INDIA	20/5	KAB
1910	6080g:7240	R Australia	AUSTRALIA	20/5	KAB
1910	7155f	R Thailand	THAILAND	12/5	KAB
1913	7260	VOA	USA	12/5	KAB
1913-1914	7275f	V of Korea	NTH KOREA	20/5	KAB
1915	7295f	RTM4	MALAYSIA	20/5	KAB
1920-1928	6025p	R Budapest	HUNGARY	12/5	KAB
2000	4960g	IRRS	ITALY	20/5	AJS
2000	13790g	CRI	CHINA	23/5	IC
2000	15205g	D/Welle	GERMANY	25/5	RFK
2005	11855g	VOA	USA	25/5	AMQ
2015	11750g	AWR	AUSTRIA?	25/5	AMQ
2045	5850g	RCI	CANADA	11/5	IC
2050	11650g	R Sweden	SWEDEN	18/5	AMQ
2115	13690f	RCI	CANADA	12/5	ABD
2126-2158	15150g	AWR	AUSTRIA?	27/5	RFK

2130	6040g	VOA	USA	21/5	IC
2130-2155	9990f	Radio Cairo	EGYPT	12/05	ABD
2150	13665g	VOIRI	IRAN	13/5	IC
2157	9830	VOT	TURKEY	27/5	RFK
2220	9850p	VOA	USA	23/5	IC
2200	13665	VOIRI	IRAN	12/05	ABD
2240	13620f	R Australia	AUSTRALIA	25/05	ABD
2310	17860p	D/Welle	GERMANY	3/5	RFK

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

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

Under "Articles, Research, etc.," "Pot Pourri," we go inside a 1924 EKKO stamp album. If you open the cover you will find a map followed by the frontispiece and then 70 pages of EKKO stamp pages. These are followed by an alphabetical list of stations where you could enter your dial settings, then a list of stations by wavelength, and a log for entering stations heard. Finally, there is a letter from The EKKO Company explaining and promoting the virtues of EKKO stamps.

Under "Articles, Research, etc.," "Potpourri," a history of the Newark News Radio Club that was published in the NNRC bulletin to commemorate the club's 25th anniversary in 1952. It focussed on the club's origins from 1928 into the 1930s. We have other histories of the NNRC from later years which we will post in the future.



Under "Articles, Research, etc.," "Philately," two first day covers commemorating the opening of shortwave relay stations--the BBC on Ascension (1966), and the Radio Netherlands relay on Bonaire (1969). And under "Information for Collectors," "WRH," we have added scans of the covers of the 1963 and 1964 WRTH summer supplements, tnx to Harold Sellers. I believe we now have scans of all the summer supplements that were published (1959-1971).

Under "Articles, Research, etc.," "Philately" again, R. Oranje, a Dutch "clandestine" program broadcast via London during WW II. The broadcasts were honored by the issuance of two special Dutch postal stamp in 1993. The first day cover shown includes a "Radio Oranje" imprint made with the original rubber stamp used by the station for correspondence from London. Also see the information sheet printed by Radio Netherlands on a reproduction of the station's original letterhead.

ALASKA:

KNLS programme schedule

April 28, 2003 to July 27, 2003 UTC kHz Language 0800 11765 English 0900 11765 Russian 1000 11765 Mandarin 1100 9615 Russian 1200 11765 Mandarin 1300 11870 English 1400 11870 Mandarin 1500 11870 Mandarin 1600 11765 Mandarin 1700 12105 Russian.

July 27, 2003 to August 31, 2003 UTC kHz Language 0800 11765 English 0900 11765 Russian 1000 11765 Mandarin 1100 9615 Russian 1200 11765 Mandarin 1300 11870 English 1400 11870 Mandarin 1500 9615 Mandarin 1600 9615 Mandarin 1700 9615 Russian

(KNLS via JKB WWDXC)

AUSTRALIA:

A03 schedule of Radio Australia - RA transmissions in English. Postal address: Radio Australia, GPO Box 428G, Melbourne, VIC 3001, Australia or ABC SOUTHBANK CENTRE, SOUTHBANK BOULEVARD, SOUTHBANK 3006, VICTORIA, AUSTRALIA., email: english@ra.abc.net.au

ASIA. 0000-0130 17775. 0030-0400 17750. 0000-0900 15415. 0000-0900 21725. 0430-0500. 17750. 0530-0800 17750. 0800-1130 15240. 11880. 0830-0900 17750. 0930-1100 17750. 0900-1400 21820. 0900-1300 11880. 1100-1300 9475. 1300-1700 11660. 1400-1800 6080. 1430-1900 9475. 1900-2130 9500. 2200-0000 15230. 2200-2330 15240. 2200-0000 13620. 2330-0000 11695, 15415.

PACIFIC, PAPUA NEW GUINEA, SOLOMON ISLANDS, MICRONESIA, GUAM and JAPAN 1700-2100 9815. 1800-2000 6080, 7240. 2100-2200 7240, 9660. 2100-0000 17715 .0000-0800 17580. 2300-0800 9660. 0000-0800 15240. 0000-0900 21725. 0800-0900 5995, 9710. 0800-1100 9580. 1100-1400 6020, 5995. 1100-1700 11650.

VANUATU, NEW CALEDONIA, FIJI, TONGA, SAMOA, NORTH AMERICA. 2000-2200 12080. 2100-0000 17715. 2100-0000 21740,. 2100-2200 7240. 2200-0200 17795. 2300-0900 12080. 0200-0700 15515. 0700-0900 15240. 0800-1100 9580. 1100-2130 9580. 1100-1200 12080. 1100-1700 11650. 1400-1800 5995. 1700-2200 11880. 1800-2000 7240.

GRANDSTAND, Radio Australia's weekend sports program, Grandstand, is broadcast on English frequencies from 0210-0800 UT on Saturday and Sunday according to the schedule below: Target region Frequency south east Asia 21725 south-west Pacific 12080, 17580 Papua New Guinea & west Pacific, Japan 9660, 17580, 21725 RA always appreciates your reception reports, however a personal reply may not be possible in all cases. Reports or requests for more information about Radio Australia should include your postal address and may be sent to: Radio Australia, Attn. Sue Cassar, GPO Box 428G, Melbourne VIC 3001, AUSTRALIA (WWDXC)

ECUADOR:

Here are the schedule changes planned for implementation on June 1, for HCJB,

9525 0100-0500 Sp DELETE 9745. 0000-0600 En DELETE 9745. 0100-0500 Sp ADD 9860.

0600-0800 En DELETE 12005. 0500-0515 Kikongo DELETE 12005 . 1100-1430 En DELETE 15185. 2000-2200 En DELETE 17660. 2230-2300 Ge DELETE 21455. 0000-1530 Various DELETE 21455 0000-0630 (WWDXC)

ICELAND:

AFN Keflavik on 13855 USB.

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

Best Regards from a slightly overcast Iceland! Trish Huizinga. Officer-in-Charge Naval Media Center.

The above message was received from Iceland Naval Media Centre via CUMBRE.

Message refers to AFN (AFRTS) broadcasts currently heard here in NZ on 13855USB. Best reception seems around 0800-1000utc here. Washington AFRTS address for reports. (ED)

JAPAN:

Radio Japan increases its use of overseas relays.

Starting from March 31st. 2003, NHK World Radio uses overseas relay stations for some of it's transmissions which have been made from Yamata to date. A new transmission is also being launched for two regions, the Middle East and North Africa, and Europe, via the transmitter in Dhabbaya in the United Arab Emirates. NHK World Radio Japan strives to improve reception conditions from Japan to distant countries and regions by making full use of it's overseas relay stations, so that listeners can enjoy the best possible reception of it's programmes. (Radio Japan)

NSB TO CHANGE NAME.

Japan's only commercial SW radio stn, NSB, Nihon Shortwave Broadcasting Company, announced a name change effective on October 1, 2003. The new name will be Nikkei R Broadcasting Corporation, reflecting the name of the largest shareholder. The Nikkei company is the publisher of a financial newspaper, the Japanese equivalent of the Wall Street Journal. NSB will celebrate its 50th anniversary next year and its slogan, "Radio Tanpa", will be changed on that occasion. The current SW services from NSB are as follows:- 1st channel 3925 6055 9595 2025-1500. 2nd channel 3945 6115 9760 2300-0900 weekends only In addition to SW, NSB also operates a digital radio service by satellite. (WWDXC)

LIBYA:

New Libyan radio service to Iraq

Further monitoring has established the address and schedule of the new Libyan-based radio service to Iraq first heard on Sunday evening. The schedule is 1800-1900 UTC, repeated 2100-2200 UTC, and again the following day at 1200-1300 UTC. All three announced frequencies - 7245, 9745 and 11660 kHz - have been heard. The address is given as: The General Centre for Overseas Stations. PO Box 4677. Tripoli

NB: The PO Box address is the standard address for state-run Libyan Jamahiriya Broadcasting.

The actual name of this station has not yet been ascertained from monitoring due to heavy interference. Observations continue. **(RN NEWS MEDIA)**

SWEDEN:

New Radio Sweden Frequency to East Asia .

Because of interference on our frequency at 15750 kHz during our broadcast to East Asia at 12:30 hrs UTC, we're now testing our other channel, 17505 kHz, in two directions at once. So listeners to this broadcast in both Southeast Asia and in Australia will find us on 17505 kHz. Reception reports are welcome: radiosweden@sr.se (DCDX)

ZIMBABWE:

SW Radio Africa now only on 4880

On 2 June at tune in 1815 SW Radio Africa was heard with good signal on 4880. Their website tells they now use this frequency instead of 6145. And their ID also mentions only 4880 now. **(Jari Savolainen via HCDX).**

LATIN CORNER:

BOLIVIA:

Nueva Esperanza, new on 6586.1 kHz.

Radio Nueva Esperanza, El Alto, Depto. La Paz, Bolivia, is new on shortwave on 6586.1 kHz. Heard at 1205 UTC on 18 May 2003. Station gives IDs as "Desde la República de Bolivia, transmite Radio Nueva Esperanza en 6.585 MHz de onda corta, banda de 49 metros. Anunciando la pronta venida de nuestro Señor Jesus Cristo" Address: Avenida R-ul SalmŪn, 92 entre Calle 4 y 5, Zona 12 de Octubre, El Alto - La Paz - Bolivia Telephone (02) 282-5269 Rogildo Fontenelle Arag, o Cochabamba - Bolivia **(via HCDX)**

PERU:

Two Peruvian stations reactivated the same day!!

Latest info from **Bjorn Malm in Quito** translation by Nilsson

Two Peruvian stations reactivated the same day!!

4655.02 Radio Nueva Amanecer, CelendŪn, la provincia de CelendŪn, el departamento de Cajamarca (PerŪ). May 7 2003 - 0045 UTC. Has been off air for at least a year. The DJ said that it was all about test transmission

"calidad de prueba". Maybe it means new equipment or new owner. Otherwise frequency and name exactly as before. Close down 0058 UTC. A recording from this occasion can be found at: <http://homepage.sverige.net/~a-0901>

4974.98 Pacifico Radio, Lima (Peru). May 7 2003 - 0130 UTC. This station disappeared at the same time as the new Radio Macedonia was noted on 4890kHz. Connection? It seems the signal is much better now than before so maybe new transmitter equipment?

Most of the time religious but at 9132 UTC a short feature with news. ID "Pacifico Radio" and noting MW 640 kHz. A name used only on MW? Listed as "Radio del Pacifico". Lots of talk about "Iglesia BŪblica Misionera". A recording from this occasion can be found at:

FEATURED FREQUENCY

This month is 9615KHZ. How many of these are you able to hear and identify?

Time.	Station	Country.	Days.	Language.	Power .	Site
0100-0150	Deutsche Welle	Sri Lanka	1234567	BENGALI	250	Trincomalee (Perkara)
0330-0400	Radio Canada International	Germany	1234567	Unknown	500	Wertachtal
0400-0600	VOA - Voice of America	Morocco	1234567	Unknown	250	Morocco
0730-0830	Greece Radio International	Greece	1234567	Unknown	250	Kavalla
0800-0900	World Christian Broadcasting Corporation	United States	1234567	Unknown		100 Anchor Pt, Alaska
0900-1000	World Christian Broadcasting Corporation	United States	1234567	Unknown		100 Anchor Pt, Alaska
1000-1100	World Christian Broadcasting Corporation	United States	1234567	Unknown		100 Anchor Pt, Alaska
1100-1200	World Christian Broadcasting Corporation	United States	1234567	Unknown		100 Anchor Pt, Alaska
1130-1200	Radio Veritas Asia	Philippines	1234567	Burmese	250	Palauig
1200-1230	Radio Veritas Asia	Philippines	1234567	Karen	250	Palauig
1200-1300	World Christian Broadcasting Corporation	United States	1234567	Unknown		100 Anchor Pt, Alaska
1230-1300	Radio Veritas Asia	Philippines	1234567	kachin	250	Palauig
1300-1330	Radio Veritas Asia	Philippines	1234567	Vietnamese	250	Palauig
1300-1400	World Christian Broadcasting Corporation	United States	1234567	Unknown		100 Anchor Pt, Alaska
1400-1500	VOA - Voice of America	Germany	1234567	Unknown	100	Lampertheim
1400-1500	World Christian Broadcasting Corporation	United States	1234567	Unknown		100 Anchor Pt, Alaska
1500-1600	World Christian Broadcasting Corporation	United States	1234567	Unknown		100 Anchor Pt, Alaska
1600-1700	World Christian Broadcasting Corporation	United States	1234567	Unknown		100 Anchor Pt, Alaska
1600-1800	VOA - Voice of America	Germany	1234567	Unknown	100	Biblis
1700-1800	World Christian Broadcasting Corporation	United States	1234567	Unknown		100 Anchor Pt, Alaska
1800-1900	VOA - Voice of America	Germany	1234567	Unknown	100	Biblis
1900-2000	Greece Radio International	Greece	1234567	Unknown	250	Kavalla
1930-2000	Islamic Republic of Iran Broadcasting	Iran (Islamic Rep. of)	1234567	ITALY	500	Zahedan
2015-2044	Radio Canada International	Germany	1234567	Unknown	500	Wertachtal
2100-2145	Deutsche Welle	Germany	1234567	ENGLISH	500	Wertachtal
2330-0030	Democratic Voice of Burma	Germany	1234567	Unknown	100	Juelich

As I do this month's issue, it is pretty cool down here without having to shut off heaters to conserve power. Have been doing a little listening of late but conditions are not very good. However I may have a few veries to show myself next month.

Well leading off today is

Andrew Sunde Ohai with Vatican 11625, Radio Slovakia 15460, VORWS 7340,7360, Kol Israel 9435,BFBS 13720 via Uzbekistan. *Keep them coming in Andrew.*

Robert A Park Lower Hutt Who is very busy but still has a huge list back.with AWR Abu Dhabi 11975, 12015,Julich 9840, 9885, 12015, Via KSDA 11700, 11720, 11750, Meyerton 9875, 11985, 12080, 12105,15255,15295,17695, Moosbrunn 11670, 11740, 11935, 15130, Bayerischer Rundfunk 6085,BBC Meyerton 15420, Bible Voice Broadcasting 9740 { Card posted from Canada} Bible Voice International 7430, CRI 15415, Deutsche Welle Konsomolsk 17560, Wertachtal 5980, ERT Greece 15190, HCJB Ecuador 6125, 12005, 12040, 15205, KTWR 15585, Radio Aparececida 9630, Radio Australia 9475, 9710, 17715, Radio Budapest 6025, 9835, Radio Denmark Kvitsvoy 9590, 9980, 15705, Radio Maryja Samara 15435, Radio Slovakia 5915, Radio Taipei Int 5950, Radio Canada International Sackville 13640, 13730,Vienna 11845, 11955, Wertachtal 9505,11815, RDP Portugal 9755, 11660, 11800, 11860, 11875, 11980, 13585, 13770, 15575,RFI Issoudun 5900, Swiss Radio International 13660, Julich 13790, 15485 Montsinery 11660, 17660, Voice of Korea 9650, Voice of Russia 9480, 9830, 9865, 9945, 12000, 12020 15605, TWR Albania 9960, 12075, Voice of Russia Armenia, 9965, Dushanbe 17525, Irkutsk 15490, Khabarovsk 15185, 15275, Komsomolsk 17565 Krasnodar 11675, 11980, Petro Kamstchatsky 12000, Voice of Turkey Cakilur 11955, 15350, Emiler 17570,17690, VOA Kavala 9530, Tinian†13615, Radio Australia 11930, Wales Radio International via Rampisham 9795, WWCR 7560, WYFR 11530. Well that sure kept this one fingered typist busy for a while.

Jerry Berg Lexington MA USA Has them in for Radio Sedaye Iran 11575, Deutsche Welle 9640, Kigali 15275, Gospel for Asia 15680 Thanks Jerry As I do not do Best of Month's for Clandestines You would have to submit yours to Paul Ormandy. I was under the impression that Best of month's are only for New Zealand Members . That is how I interpret the ruling for Short Wave. Clandestines and Pirates may be different? I think the reason is that it would be a very hard task to understand each Countries listening conditions.

Ray Crawford Foresdale Queensland Australia Ray's veries are VOA Botswana 15375, Radio Neherlands via Bonaire9790 Voz Cristiana 15475, Slovakia 15460, Portugal 15575,21810 15540, 9880, 11905, 13770, 11875, Radio New Zealand 6095, 15175.Glad you had such a good time at Tiwai

Ron Killick Christchurch has Family Radio Taiwan 15060 BFBS Tashkent 15795, Deutsche Welle Vladivostock 17860, AWR Meyerton 9600, Moosbrunn 9775, 9660, Radio Netherlands Bonaire 9785, WSHB 15195, Radio Sweden 11650, Voice International 13685, Voice of Russia Julich 21515, Kishinev 9515, WWCR 13845, Radio Denmark Kvitsvoy 17500 Good going Ron

Ian Cattermole Blenheim With another good list Has Gospel for Asia 15775, 15660, 11795, WYFR 9595, New Horison Society 15775 EM Bible Voice Broadcasters via DTK 13810, 13710, 5970 EM AWR via DTK 15175, 7125, BFBS 15795, 11975, WJIE 13595 EM, KTWR 15205, 11875, EM, IBRA via DTK 11610, 15715, 12140, 9695, IRRS 5780 EM Gospel for Asia 11905 EM

Best of Month under 9MHz Robert A Park Radio Slovakia 5915
Best of Month over 9MHz Robert A Park Radio Aparecida 9630

utilities@radiodx.com

Compiled by Evan Murray, Auckland



Aeronautical news.

In last months magazine we made reference to Air Canada taking possession of an Airbus 340-500. A check of the airlines fleet discloses a total of 313 aircraft ranging in size from BAE 146 to Boeing 747. However the airline has been having industrial troubles recently although it is hoped that these will soon be over, and as a result it will be a slimmer operation with fewer on board services and perks, unless these are paid for. An excellent example of this type of carrier is Ryan Air, of Ireland which has plans of being #1 in Europe, a position presently being vied for by British Air and Lufthansa. (Toronto Star)

Before too long voice communications between aircraft and control centres between flights crossing the Atlantic will be a thing of the past. Nav Canada's Gander Automated Air Traffic System will be bought by Britain's National Air Traffic Service for use at the Oceanic Area Control Centre at Prestwick and is expected to be operational within three years. The method of communication? Email in lieu of high frequency radio !

The way to go without a doubt but only for airlines which can afford the system. At the present time up to 1200 flights a day cross the ocean, almost a half million a year.

A TV documentary which we may see is the BBC drama programme 'The Day Britain Stopped', stated to be alarmist and inaccurate. It involves a mid air collision. (National Air Traffic Services news)

Over 50 years ago a Pan Am S42B flying boat made the 7000 mile flight from the USA to New Zealand. The Pan Am 'Clipper' flew at altitudes between 800 and 8000 feet at an average of 162 mph using only 75% of its engine power for 3500 miles of the flight.

It landed at Auckland to a brilliant welcome having first overflown the Waitemata. (Pan Am news)

Reading an old National Geographic Magazine I came across an advert for the airline Panagra. This was Pan American Grace airline which flew the West coast of the USA and South America, now flown by American Airlines.

8825 0520 Santa Maria/Reach 306Y with posn call Santa Maria on 5598. EM

8843 0952 Malaysia 956/San Francisco. 2869 primary 5547 secondary. EM

8852 2010 4MS radio check with 4NT. JC

8861 1125 Irkutsk with Volmet. JC

8867 1001 Nadi/Airvan 71. Cleared to descend to 1000 feet. EM

8894 1930 Algiers active but severe QRN. JC

8894 0511 American Air (?) calls Algiers Dakar and later N'Djamena. JC
 8903 0828 Tokyo/Airmac 963 request 360. EM
 8903 0831 Air Mac 963/Tokyo Unable your request due traffic. EM
 8903 0829 Tokyo/United 897 request selcal. EM
 8918 2013 Bahrain/Pakistan 741. Severe QRN. JC
 8930 2028 Stockholm/AMB 319 (German civil air ambulance) working ops estimating Erfurt Germany 2115. Ops normal. JC
 8930 1836 Unid (through Stockholm) advises its Ops that Oman ATC is requesting number for overfly. Reply that flight has definitely been approved by British diplomatic channels. JC
 8930 1948 Unid advises Stockholm „on the ground Rome. JC
 8974 0939 Aussie 479/Air Force Townsville. Say again. Over. EM
 11387 0923 Singapore Volmet for Bali and Penang. EM
 12362 0939 Marine forecast for Stenhouse Bay and other S. Australia areas. EM
 13267 0928 Irkutsk Volmet. EM
 13270 0931 New York Volmet with Wx for Detroit, Boston. EM
 13282 0939 San Francisco Volmet. EM

Contributors

JC John Charlton, Greymouth with Kenwood 5000 and 30 m wire

EM Evan Murray, Auckland with Kenwood 5000 and T2FD



Pan Am "Clipper"
 Sikorsky S-42
 Flying Boat





WELCOME TO NEW MEMBER MARCELO TONIOLO, 1/59 Rangatira Road, Birkdale, Auckland. We asked Marcelo to tell us about his interest in DX. He writes "I started listening to the shortwave in December 1978 when I was just 13 years old. My first receiver was a very basic portable Telefunken MW/SW receiver that I used to hear mostly the powerful stations like BBC, Trans World Radio, Radio Moscow, Radio Peking, and so on. In 1980 my father gave me a better receiver - a Brazilian made semi-portable receiver called Transglobe, made by Philco, a local manufacturer owned by Ford Motors). I used this receiver for 9 years with a 10 metre longwire antenna installed on the roof of my parents' house in Sao Paulo, Brazil. My Transglobe receiver allowed me to hear stations that I have never imagined I could hear before. From 1980 until 1983 I managed to hear an average of 2 new radio countries per month and started a beautiful collection of QSL cards. In 1989/1990 I was able to purchase better receivers, a Grundig Satellite 2000 and a Yaesu FRG 7700. Those receivers had some features I have never had used before like selectivity filter by crystal, SSB, digital display, memory, etc. Once more I was able to hear countries I had never had heard before and also started doing a lot of Utility DX.

I was not very active in the hobby between 1995 and 1999 when I moved to New Zealand, back to Brazil and then in 1999 to USA. However, once I settled down in New York, I bought a JRC NRD 345 and restarted my hobby. Living in New York for 4 years, I managed to hear a few new countries and increased my QSL collection to more than 400 verifications. I also met some very nice people like George Maroti, who also lives in New York state, and Mika Makelainen who visited New York in 2002. Last year I purchased a JRC NRD 545DSP that I consider an excellent receiver for DX.

My favourite band is the Tropical Band where I spend most of my time while on the radio. I also enjoy Medium Wave DX however I can't say that New York is the best place for MW DX since the band is crowded and full of spurious signals.

My best DX catches include - Capital Radio, Transkei 3930 (March 1985), Radio Kiribati 14918 (August 1989), Petropavlovsk Kamchatsky Radio, Russia†4485 (November 1990), AFRTS, Diego Garcia 12579 (March 2001) and Full Gospel Church, Canary Islands 6715 (November 2002).

Since April 2003 I have been living on Auckland's North Shore and I have already heard 3 new radio countries on MW - Tonga, Fiji and New Caledonia, and I have been catching several interesting stations from Central and South America on the Tropical Bands." *Welcome to DXing 'down-under' Marcelo! We look forward to reading of your future DXploits in these pages.*

DRM FEEDBACK Commenting on last month's special feature on digital shortwave broadcasting, Johnsonville member **BILL SANGSTER** comments "it appears that in order to receive DRM, I'll need a complicated and probably expensive modification to my shortwave radio, as well as a computer. This begs the question about the continuation of conventional AM transmissions on shortwave in the near and distant future. Will DRM revitalise our hobby?"



CHRIS MACKERELL responds ""Yes, right now a computer is needed, but that will change over the next year or so. At the moment, modifying an existing receiver, and using a computer to decode the signal is the cheapest option. There are commercial DRM receivers available, but they are expensive, partly because they include a PC in the receiver box to do the decoding! Having the decoding done on a PC is actually good at the moment because it allows bugs in the decoding software to be fixed much more easily than in any hardware solution. Keep an eye open for DRM receivers coming out from mainstream manufacturers in the near future.

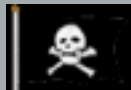
With regard to the modifications required to an existing radio to receive DRM, the practicality and cost depends on the radio involved. I'm currently playing with a \$50 DRM module that I have plugged into the back of my AR-7030. It isn't perfect, but it does work. .

Will DRM revitalise our hobby? Well, it already has for me! Really, this is the first major technical revolution to come to shortwave radio since international broadcasting began and I've found it very exciting to have some small involvement in it. If it keeps a few more countries broadcasting on shortwave I'm all for it. It's an SWL medium more than a DX medium, but I think there will be plenty of non-DRM stations around for many years yet to keep the DXers happy. Of course, DRM could go the way of Beta video, but only time will tell." *Thanks for the update Chris!*

OOPS! I hope no-one was misled by my mistake last month when I gave the postal address for HCJB as P.O. Box 691, Quito, Ecuador. This was the correct address when I sent my very first shortwave reception report to the Voice of the Andes back in 1961. I guess you'd call it a senior moment on my part.



Sutton Burtenshaw at Tiwai Gathering Easter 2003. Photo Credit. Ray Crawford



Hi all. Pirate activity has again been struck a blow, now hot on the heels of their Dutch colleagues, Irish officials have declared war on pirate radio station operators so the bands are getting a little bare! German stations continue though with Crazy Wave Radio around 6275kHz at 0500 on Sundays a good one to keep an ear on.

Recently, Radio Martí threw some extra broadcasting horse-power at Cuba. This included increased satellite time, a couple more SW frequencies and a MW operation, the latter emanating from none other than the Commando Solo operation which has more latterly targeted Afghanistan and Iraq.

Thanks to our good friends at www.clandestineradio.com, here is the story and an updater of clandestine activity aimed at the island.

Cuba: Bush Addresses Cuban Public on Radio Martí

By Nick Grace, CRW Washington Bureau May 20, 2002

[May 20] The Cuban public received a surprise earlier today when U.S. President George Bush addressed listeners on Radio Martí.

"For those listening on Radio Martí," he said at the end of a speech to commemorate 100 years of Cuban Independence in Miami, "it's important for you to know the United States stands with the Cuban people. Not just on Independence Day, but on every day. Every day. Every day we stand with those who reject tyranny and torture, and embrace liberty and life. Every day we stand with the plantados in prison confronting illegitimate power with righteous truth. Every day we stand with the Cuban families everywhere seeking a better future. Every day we cultivate 'una rosa blanca' for Cuba's freedom."

The speech, according to the Associated Press, was not broadcast or discussed on government-run media in Cuba.

Radio Martí, launched in 1985 to break Cuban President Fidel Castro's control over the domestic airwaves, is expected to play an important role in the Bush administration's policy towards Cuba. The surrogate broadcast service has been largely ignored by previous administrations and its management, many argue, have lost sight of the station's original mission.

Bush has promised to "modernize" the station and its sister service, TV Martí, and "strengthen their voices with strong leadership and (a) new direction."

Current Broadcasters:

Entre Cubanos

Organization: Fundacion Nacional Cubano Americana (Cuban-American Foundation), which was headed for years by the late Jorge Mas Santos. "Entre Cubanos" is a commentary program that is aired Thursdays on WQBA 1140 AM in Miami, Florida. The program is

hosted by Ramón Humberto Col-s, founder of the Movement of Independent Libraries in Cuba, with Brenda Moreira and Omar López Montenegro. The CANF previously broadcast Voz de la Fundación and Voz de la Unidad Cubana. Broadcasts from: WRMI Languages: Spanish Identification: (Spanish) Entre Cubanos Active Since: May 17, 2002 Contact Address: Fundación Nacional Cubano Americana, 1312 SW 27 Avenue, Miami, FL 33145

Tel: 305-592-7768 Fax: 305-592-7889 e-mail: hq@canf.org Monitored: Apr 03: *1030-1130* Mon-Fri 9955 kHz (WRMI)

Foro Militar Cubano

Organization: Cuban American Veterans Association Broadcasts from: WRMI Languages: Spanish

Identification: (Spanish) Foro Militar Cubano Active Since: 2002? September 1, 1997 - 2001?

Contact Address: P. O. Box 140305, Coral Gables, FL 33114-0305 Tel: (305) 447-2713 Fax: (305) 285-0311 e-mail: ulysses46@aol.com Monitored: Apr 03: *1000-1100* Sat 9955 kHz *2300-0000* Sat 9955 kHz (WRMI)

Radio Martí

Organization: Office of Cuba Broadcasting, a division of the U.S. International Broadcasting Bureau.

Broadcasts from: VOA Marathon Key, FL, Delano, CA, and Greenville, NC. Languages: Spanish

Identification: (Spanish) Radio Martí Active Since: May 20, 1985 Contact Address: Radio Martí, Office of Cuba Broadcasting, 4201 N.W. 77th Avenue, Miami, FL 33166 Monitored: 0000-0300 6030, 7365, 11775, 15330 kHz 0300-0400 6030, 7365, 7405, 11775 kHz 0400-0700 6030, 7405, 9805, 11775 kHz 0700-0900 5890, 6030, 7405, 9805 kHz 0900-1200 5890, 6030, 9565, 9805 kHz 1200-1300 7405, 9565, 9805, 13820 kHz 1300-1400 7405, 9565, 13630, 13820 kHz 1400-1700 11815, 11930, 13630, 13820 kHz 1700-2100 9825, 11930, 13630, 13820 kHz 2100-2200 9825, 11930, 13820, 21500 kHz 2200-2300 6030, 11930, 13820, 15330 kHz 2200-2400 6030, 7365, 13820, 15330 kHz

Radio Oriente Libre

Organization: Asamblea Provincial de Oriente en el Exilio para sus compatriotas en Cuba

Broadcasts from: WRMI Languages: Spanish Identification: (Spanish) Radio Oriente Libre Active Since: 2001 Contact Address: 15611 SW 48 Street, Miami, FL Monitored: Nov 02: *0130-0230* Mon 9955 kHz (WRMI) Apr 03: *0030-0130* Mon 9955 kHz (WRMI)

Voz de la Junta Patriótica Cubana

Organization: Junta Patriótica Cubana, which was headed by Tony Varona. Broadcasts from: WRMI

Group previously ran Radio Mambí and Pueblo Libre during the 1980's. Languages: Spanish
Identification: (Spanish) Junta Patriótica Cubana Active Since: 2002? September 1, 1997 - January 1999
Contact Address: P.O. Box 7799, Washington, D.C. 20044 Tel: (703) 578-0160 Fax: (703) 578-1587
e-mail: cabenedi@juntapatriotica.org Monitored: Apr 03: *1000-1030* Mon-Fri 9955 kHz (WRMI)

Over the years, the anti-Cuban clandestine scene has been heard via such famous operations as Radio Swan and Radio Americas, from Swan Island Honduras and more recently stations like Radio Caiman, Radio Antorcha Martiana, Voz de Alpha 66, Voz del CID and many, many more.



Prague Host to Anniversary of Radio Liberty Broadcasts

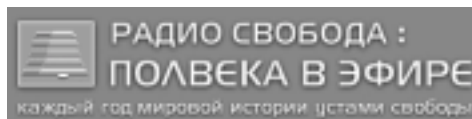
Radio Free Europe/Radio Liberty marked the 50th anniversary of broadcasts to the countries of the former Soviet Union with a series of events that included a conference in Prague on June 6 at the RFE/RL Broadcast Operations Center.

Russian, Tajik and Turkmen language broadcasts began on March 1, 1953, with the launch of Radio Liberation. Within days these were joined by broadcasts in Armenian, Azeri, Belarusian, Georgian, Kazakh, Kyrgyz and Uzbek; a few months later programs debuted in Tatar-Bashkir and Ukrainian. In 1959 the name was changed to Radio Free Europe/Radio Liberty.

For information on Radio Liberty history and the commemoration, visit www.rferl.org.

Source Radio World Online

<http://www.rwonline.com/>





Hi all fellow FM listeners and TV watchers. Winter has finally arrived and it is cold! Hope you remember to switch the DX gear off when you're not using it to help save 10%. Let's get into this month's news:

King Country Back on FM Classic Hits King Country Radio in Taumarunui switched their FM transmitter back on on the 1st of June. They are broadcasting on 99.9 and the transmitter is located at the studios. Power is 22dbW and signal is in mono. The FM signal covers Taumarunui and the immediate surrounding towns. *(Adam Claydon via Cliff Wadsworth — manager Classic Hits King Country Radio)*

Radio Pirate Comes to Southland Southland has become the newest market to join the Radio Hauraki network. As from 12 June The Radio Network (TRN) will broadcast Radio Hauraki on 93.2 FM. "Radio Hauraki is one of the most famous radio brands in New Zealand. The country still remembers how three decades ago the Radio Hauraki "pirates" ignored government warnings and started broadcasting illegally from on board the "Tiri" in 1966," says TRN's Southland General Manager Lee Piper. "Since then Radio Hauraki has become an institution playing a mix of the best classic rock from the 60's, 70's, and 80's. I'm confident that Radio Hauraki's classic rock format will have big appeal in Southland", says Piper. Over the last two months TRN has also introduced Radio Hauraki to Dunedin and Christchurch. The Radio Hauraki network is now heard in 11 markets around New Zealand. *(Media Release from The Radio Network — 12 June 2003)*



Dunedin Micro FM scene Notes on the Dunedin micro FM scene as at 19th May 2003.

- 88.2 Life FM, weak. 107.3 Life FM. fair.
- 88.4 Re "Radio Moa" at the Last Moa pub. New owners have taken over and the pub name has reverted to the Oriental Tavern. I do not know it at the moment if the radio name has changed. The station is still loud and clear.
- 106.7 and 107 Over the University, December to February break 106.7 was off the air and 107 became loud and clear. Then from around 10th Feb 106.7 was back to being the loud and clear one and 107 weak. Then sometime after 14th May when I last heard 106.7 loud and clear things have changed. It was noted at 0530z on 17th May and again 2300z 18th May 107 was loud and clear with my ageing ears picking up a call "??? 107 FM" while 106.7 seems apparently to be off the air. When listening to these stations very spasmodically the past few months they have played modern music with no calls. At 0457UTC on 04/6/2003 on 107 FM an announcement - "Inferno 107 its full on." (George L. Rolton)

Fieldays Radio Newstalk ZB is broadcasting live from the Fieldays at Mystery Creek on 97.0 and 1296AM from 11-14 June. Fieldays Radio is on air from 8:30am — 12pm (*Adam Claydon via TRN Hamilton*)

A New Breeze For The Waikato Hamilton's Y99.3 FM is to be relaunched as The Breeze, in the mould of its successful Wellington sister station. From Tuesday (June 3), the station will be rebranded as The Breeze 99.3, confirms RadioWorks Waikato General Manager Kate Rigg, and will adopt a more Easy Listening style playlist over its current soft AC style. Former Classic Hits man Pat Courtenay will be the sole host of breakfast, with support from special guests, while ex-Breeze Wellington host Dave Grove takes the reigns in drive. The Breeze will, however, continue its strong emphasis on news and its unashamed local approach, says Rigg.

"The decision to rename Y99.3 has been a discussion point for some time after research and feedback showed that the name Y had little recognition and many listeners wondered just what it meant. "After extensive research and countless hours of talking to target listeners we've decided that The Breeze is the perfect name to replace Y. The Breeze will give us instant brand recognition along with its positioning." More FM Waikato, meanwhile, has been added to the centralised LocalWorks playlisting bloc, CanWest no doubt hoping it will pick up any Y99.3 listeners who do not stick with the new Breeze. Both stations have had it tough in the ratings in recent times. It will not be the first time Hamiltonians have had a Breeze - the last one was a mid-90s transition between what was Kiwi FM and what is now 89.8ZM. (*Median Strip May 28*)

Channel Z Back To Full Power

After three months in audio exile, broadcasting on a Waiheke Island frequency unable to be received clearly by much of the city, Channel Z is back to full power in Auckland on 93.8FM and beaming off the Sky Tower. As of 6pm Friday (May 23), the station regained full coverage following technical delays and some legal wrangling over the frequency's close proximity (400kHz rather than the standard 800kHz) to those on either side of it. The government's Radio Spectrum Management Group has given its okay and also indicated that it will carry out trials on the feasibility of adopting the 400kHz gap as industry-standard. "We know it's taken a while," says Channel Z Programme Director Andrew Szusterman, "but nothing was ever going to stop us from coming back. We thank those who continued to support Channel Z during our dim light period. (*Median Strip May 26*)

New Commercial Frequencies For Auckland

Two new Auckland commercial FM frequencies are to be auctioned later this year in what promises to be a high-bidding affair. Although details of the placement and strength of the new FM slots has yet to be revealed, bidding can be expected to be in the multi-millions.

Of the incumbents, CanWest will most certainly be interested - whether prompted by current difficulties getting Channel Z back on full power or the long-rumoured introduction of an Easy Listening brand like The Breeze or Lite FM. TRN already has a full complement of stations in the city but may also compete, if for no other reason than to make sure the eventual winner pays top dollar. The way is also potentially open for new players. A successful bid by a new operator would turn the tide on five years of consolidation, during which the number

of commercial radio operators in New Zealand has gone from around 20 to just two big companies and a handful of independents. There is a large question mark over whether any locally owned player would be able to find sufficient money to out-bid the established companies for a frequency, particularly with no guarantees that any new station would necessarily attract new revenue. Alternatively, it could be an invitation for more foreign investment. When CanWest touted its radio assets on the open market last year it drew expressions of interest from several Australian radio companies. The UK's Virgin Radio has been expanding in Asia and has reputedly looked at both New Zealand and Australia recently. GWR is a previous owner of radio stations here while another UK player, DMG Radio, may be interested - though its recent money worries with the Nova stations over the Tasman may make it wary. A new non-commercial license is also to be allocated in Auckland, along with one in Kapiti (for Coast Access Radio), and all temporary commercial broadcasting licenses issued in recent years will be auctioned as long-term licenses. Communications Minister Paul Swain says remaining upper FM radio spectrum (in the 101-108Mhz zone) will be retained, giving the government flexibility "once the precise nature and extent of the use by the four priority services is known (the Pacific radio network, National Radio FM frequencies, Concert FM and potential use by a national Maori radio network).

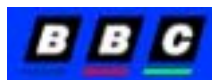
"Postponing the remaining upper FM frequency allocation also enables innovative new ways of licensing the band to be explored, such as closer channel spacing."

Broadcasting Minister Steve Maharey says the decision will enable some new broadcasters to start up, adding further listening choices for New Zealanders. "Enabling broadcasting to commence on new high power FM frequencies will ease the pressure from commercial broadcasters to access the Auckland radio market and expand the access radio network. (*Median Strip May 20*)

Student Union Wants Radio Frequency Back The Waikato Students Union (WSU) wants to regain control of its student radio station. The Generator, which is currently broadcasting on frequency 89FM, is part of the b.network of student radio stations, but WSU president Daniel Philpott doesn't think the radio station caters for the students. (*Median Strip June 9*)

BBC World Service in the Pacific

According to the May 2003 "BBC On Air" magazine, BBC World Service is available on the following FM frequencies in the Pacific: Suva, Fiji - 88.2; Port Vila, Vanuatu - 99.0; Port Moresby, Papua New Guinea - 106.7; Tarawa, Kiribati - 100.00 (*Bryan Clark*)





MAILROOM

Ray Crawford now back in warmer climes reports on his NZ loggings:

Have got most reports off from the NZ trip. Two others found on tapes are KXMX 1190 and WSCR 670. Still have a couple of unids to check more. Veries in from XEMR 1140, R. Maria, Panama 1310, KWHN 1650, WBT 1110 and KHPY 1670. Verie info KHPY 1670, letter from D. L. Van Voorhis, owner. 24490 Sunnymead Blvd., Suite 215, Moreno Valley, Ca 92553
Radio Maria, Panama 1310 email from Juan Alberto Carazo studios.pan@radiomaria.org
XEMR 1140 email from Ma. Luisa Rodriguez, Asistente personal del pastor, Richard Hays. address oficina@cci.org.mx. KWHN Fort Smith, Arkansas, 1650 email verie from Gary Elmore GaryElmore@clearchannel.com

David Ricquish has again been at "the kitchen table with a simple set with ferrite rod" with logs of 2XR 585, Radio Tarana 1386, 3RN 756, 4GR 864, 7RPH 864, 7ZR 936, 3WM 1089, 4BU 1332 QSLs in from Southern Star Network: 576, 657, 882, 900, 909, 963, 981, 1026 (all em), Radio Hauraki: 1017 (em), 1125 (em), Solid Gold 1233 (em), Radio Tarana 1386 (em), 1XTR Classic Good Time Oldies 1521 (letter), Easy Listening i 1593 (em), 4GY 558 (em), 3RN 621 (em), 3EE 693 (em), 3RN 756 (em), 3LO 774 (em and card), 4TAB 891 (letter), 4TAB 1008 (letter), 2GF 1206 (em), 4BU 1332 (em), 3ML 1467 (em), Radio 2 Melbourne 1629 test transmission (em).

90% of QSLs have come via email, and the response rate is very good and is making the time spent logging worthwhile. I'm now up to 60% of current Kiwi QSL'd and 20% of current Aussie QSL'd. I've set myself a target of 100% Kiwi and 50% Aussie QSL'd using just the "simple set up of a transistor and ferrite rod from the kitchen table" to demonstrate:

- (1) that enjoyable MW DXing from a built up area is possible in 2003
- (2) that you don't need expensive gear (the radio was \$12 at Cash Converters)
- (3) and that QSLs are still achievable! Is the table magnetic ?

Andrew Sunde, Ohai Southland has been chasing Aussies with a QSL from 2MW 972.

Gunter Jacob, Passau in Germany reports QSL's (perhaps exotic to us in the Southern hemisphere) from Deutschlandfunk 153m 207, 756; Bayerischer Rundfunk Munchen-Ismaning 801 khz; Mega Radio Regensburg 819, Norddeutscher Rundfunk 792 (Lingen) and 828; Deutschland Radio Berlin 990; VOR 603 (Berlin) 1215 Kaliningrad, 1323 Wachenbrunn, 1386 Kaliningrad, Osterreichischer Rundfunk 1476 (Moosbrunn), DRS Beromunster 531, Vaticana 585 1530, Slovenija 918, Prague 1071 1233, Sweden 1179, RVI 1512 (Wolvertem) Yerevan(DW) 1350, Radiodiffusion Algerienne 981.

Stu Forsyth, Wellington reports "A quiet month for me, but veries in from KSPN 1110 (as they were 12 months ago), WBT 1110, KWHN 1650, KORL 690, Resort Radio 1359, KHPY 1670, 3HA

981, 5TAB 1539, Goldfields R 1440 via Classic Hits Dunedin, Tote Sport R Tasmania (ex 7TAB) 1008 & 1080

The KSPN came via an e-mail from Mike Worrall, Asst. Chief Engineer (Mike.E.Worrall@abc.com). He unearthed my report of April 2002 from a pile of unopened mail! KSPN has now changed freq. and KDIS is to be found on 1110 usually vying for the top spot at night here in Wellington with KFAB. This was followed by a parcel bearing a baseball cap with KSPN 1110 on it, a keyring with KSPN 710, an Anaheim Angels baseball sched and info that tell me KABC, KDIS 1110, KSPN 710 and are all in the same stable.

The KHPY verie was a hand written letter from D L Van Voorhis, who is the station owner. The address on the letterhead is 24490 Sunnymead Blvd., Suite No.215, Moreno, Ca 92553. He tells me that they are 10kw day and 9 kw night. Also 'Our transmitter was changed to 1670 and we kept our 3 tower array, aiming our night time power toward the Pacific Ocean', which is presumably why he could stay on with 9kw and why we can hear him so well.

3HA was an e-mail from Roger Dunn, GM. (rogerd@aceradio.com.au)

Paul Ormandy, Oamaru reports in with just one Tiwai QSL back, KHCK Dallas TX 1480 1.9kW and one log, Radio San Pedro 860. More of both soon... I hope!

Sutton Burtenshaw still in the frenzy of the Tiwai escapade says "Further listening to my Tiwai tapes have resulted in reports going to WTAW 1620, YVMJ 580 (tent), Vision Cristiana 1320 (tent), and WSCR 670. Veries are in from KWHN 1650 (em), and KHPY 1670 (sm).

Arthur De Maine, Kakanui is hearing more exotic DX since moving south and has reports out from the Tiwai trip, 1110 WBT and 680 KNBR and a QSL received from 1110 WBT North Carolina.

Mark Nicholls, Upper Hutt while over in Greytown logged Radio 2 1611 Australia, KBJD 1650, KHPY Radio Catolica 1670, KTFH 1680 and KDDZ 1690

DIAL UP

580	USA	KJAL in Samoan with fair copy 0835	RK
690	CAN	CBU mixed with Disney 0850	RK
750	USA	KFQD Anchorage Alaska fair 0850	RK
850	CUBA	R. Reloj, Nueva Granada, poor though dominating with SS news items and customary "RR" Morse ids. May 18 PWO	
860	HON	Radio San Pedro, San Pedro Sula, fair on peaks 0439 carrying soccer cmtry from Radio America, match was between Marathon and Real Espana, ended in a 1-1 draw. May 18 PWO	
1040	USA	KLHT Honolulu fair 0903	RK
1110	USA	KAOI (?) Hawaii with sports 0743	RK
1110	USA	WBT Charlotte NC fr 0553/ads/ID:59,wx 6.06	PWO

1120	USA	KPNW good 0743	RK
1130	CAN	CKWX Vancouver 'News 1130' 0840	RK
1150	USA	KXTA (p) 05.20, sports channel, discussion of sports star "Aaron with laryngitis and how much money he is making"	DN
1190	USA	KEX Portland OR fair 0841	RK
1200	USA	WOAI, San Antonio Texas, 05.59, "no matter where you live in south Texas, WOAI all the news, weather and traffic, its one am", gd sig. DN	
1310	PAN	Radio Maria Panama 0833 with full ID, list of freqs, and website address. Mix of mx including what sounded like chants. Signal sustained for two hours 0833	PWO
1320	0357	UNID US-accented announcer hosting talk on profound subjects, went right through the hour with no id or ads. At 0403 they played jazzy music before going back into talk later. The signal deteriorated somewhat and by 0600 was struggling above the mix, though it seemed to change to Spanish and an id for "Track 13-20: was heard so it's possible they were the one carrying the English programming. Ormandy & Greenyer May 18	
1323	CHI	China CPBS Xizang or CRI here with CC and orchestral music. 1808	PWO
1360	USA	WKAT Miami FL pres. The one here with classical mx. Hard to ID 0957	PWO
1422	JAP	JORF Yokohama fr with JJ talk 1817	PWO
1467	TAI	BCC Huanlien Taiwan weak with tlk in CC 1843	PWO
1470	PERU	CPN Radio, Lima, 0238 first Latin to turn up, weak signal though improving notably by 0245 (local sunset was 0515). May 18	PWO
1480	USA	KYOS Merced CA fair 0935	RK
1500	USA	KUMU, Honolulu, 06.34, Bread "I want to make it with you, ... KUMU, AM 1500 Hawaii" good with co channel coast to coast AM in background.	DN
1530	USA	KFBK Sacramento CA, fair on auroral night, no sign on NZers. Tlk on casinos. Id "Newstalk 15-30 KFBK" at 0554. Jun 4	PWO
1566	IND	AIR Nagour pr-fr mixed 3NE. EE 1841	PWO
1580	USA	KMIK Disney fair 0940	RK
1620	USA	WTAW TX fair 0743	RK
1620	USVI	WDHP Frederiksted US VI Good signal 0559 with full ID/Jingle followed by BBC World Service	1/6 2/6 MLN
1650	USA	KBJD Denver CO, good signal, rel talkback (Sun) KNUS network ID's. 2/6	2/6 MLN
1660	USA	KXOL Brigham City 0850	RK
1670	USA	KHPY Moreno Valley CA ID: Radio Catolica 1000	2/6 MLN
1670	USA	KHPY (p) ,06.23, Spanish rap music, and discussion of internet, good signal but no ID	DN
1680	USA	KTFH Seattle WA 0530 Fair/good Indian/Hindi mx and ann. EE ID 0559." KTFH Seattle, a service of Salem Communications."2/6	MLN
1690	USA	KDDZ Arvada, CO, 0530 Good with many Disney ID's 2/6	MLN
1700	USA	KQXX "Oldies Radio" 1000	RK
1700	USA	KQXX, Texas 05.25, great signal "Oldies radio ID..good time	

rock and roll all your oldies in one place.. classical gas..? Williams”, co
 channel African American gospel possibly WEUV. DN
 1700 USA WJCC Miami FL SS religious 0716 fair PWO

With thanks to Robert Kriejer, David Norrie, Mark Nicholls, Stu Forsyth, Paul Ormandy

DX NEWS

USA

1680 WJNZ moves to Radio Disney 16 June (All-access.com)
 1680 WTIR now in SS id-ing as Alma Latina. Klemetz/Ormandy
 1660 WWRU has applied for 10kw Nites. IRCA DXM
 1570 KUAU Haiku HI to 50kw/25kw ND IRCA DXM
 870 KAIM Honolulu granted 7.3kW/7.3kW U1, now on air, and sharing tower
 with KHNR. Previously silent, before that was 50kW with transmitter on
 Molokai. Recently reported testing with 1kW.
 1040 KLHT Honolulu 10kW/10kW U1 increased power now on from new
 transmitter site
 1060 KHBC Hilo ex KAHU now authorized by FCC (see recent DXT for saga)
 1110 KAOI Kihei 5kW/5kW U1 applies for new transmitter site and share tower
 with KUAU 1570
 1570 KUAU Haiku 50kW/20kW U1 applies for this power increase and to share
 tower with KAOI 1110. Previously irregular with 1kW.
AM Switch (DX News) D Ricquish

AUSTRALIA

1503 3KND Melbourne testing. “Koorie Radio” (Aboriginal)., On full time from 6.a.m
 AET 23 June. (David Martin; Robert Copeman/Greyline)
 1044 5CS asks for extended time to vacate here and move to FM. Now asks for
 September 30 date.
 1044 5AU plans to open here from September 30 in // with 1242 for wider
 coverage of 5AU service source: www.radiowise.com David Ricquish

NEW ZEALAND

1386 Radio Tarana, Auckland QSL states they now use 10kW David Ricquish

Radio Rhema AM stations operate the following advertising streams

Frequency	Location	Ad stream source
540	Tauranga	Tauranga RAC, Northern, NW
540	New Plymouth	Northern, NW
549	Kaitaia	Northern, NW
549	Gisborne	Northern, NW
594	Wanganui	Northern, NW
594	Timaru	Southern, NW
612	Christchurch	Central, NW
621	Dunedin	Southern, NW
801	Nelson	Central, NW
855	Hamilton	Hamilton RAC, Northern, NW
972	Wellington	Wellington RAC, Northern, NW
1251	Auckland	Auckland RAC, Northern, NW
1404	Invercargill	Southern, NW

RAC = remote advertising computer.

NW = nationwide.

All streams controlled from Auckland HQ.

Southern Star Network is nationwide only.

This info may help obtain ID on transmitters on common frequencies. 621 Whangarei due on air in July, will carry Northern/NW streams.

Source: Radio Rhema - David Ricquish

Websites:

Craig Healy is adding more content to his www.am-dx.com web site. Now included is an online listing of all AM stations in the Western Hemisphere. Craig wrote a utility to pull the information from the FCC database, and cull out the extraneous info. It's sorted by frequency, and then by country. Craig says that the utility will automatically update the info weekly. Check it out! Craig has also set up a "Forums" section. Source: IRCA DXM

Thought you might like to know about a FREE and soon-to-be-released MW DX (PC) Utility called WTS (Where's That Station). More info at: www.dobe.com/wts/ Eric Force USA/PWO

Drifters in LATIN AMERICA

COLOMBIA (ed: TL) Some off-frequency stations:

1099.97	HJZY	R Super, Neiva
1100.09	HJ..	Mil-Cien AM (also Iding R Musical, Emisora Musical), Santafe de Bogota-
1129.99	HJVA	Vida AM, Santaf� de Bogota-
1249.97	HJFV	R Viva, Pasto
1439.99	HJ..	R Reloj, TuluE1
1459.86	HJZU	RCN Antena 2, Pasto (Bjorn Malm, ARC) IRCA DXM

ECUADOR (ed: TL): Some off-frequency stations:

1129.96	HCPV6	R Centro, Ambato
1229.97	HCFV2	R Gal-ctica, Guayaquil
1240.05	HCPA1	R Metropolitana, Quito

1299.74	HCDC2	R Cenit, Guayaquil
1329.85	HCJA1	R Sideral, Quito. Now religious music only
1459.87	HCIC6	Nuevos Horizontes, Latacunga
1473.41	HC..	R San Juan, Ambato
1530.32	HCCC5	Ondas Cañaris, Azogues
1529.53	HCMP2	LV de la Península, La Libertad
1539.22	HCFM2	R Cristal, Ventanas
1580.21	HCLF1	Ecos de Orellana, Machachi
1589.29	HCQT6	R Panamericana, Quero (Bjorn Malm, ARC) IRCA DXM

**PRESS RELEASE FROM
THE *DANISH SHORTWAVE CLUB INTERNATIONAL* (DSWCI)**

NEW SURVEY AVAILABLE:

The ***DOMESTIC BROADCASTING SURVEY 5*** (DBS-5)
edited by DSWCI Chairman, Anker Petersen.
ISSN 1399-8218

The 46 years old DSWCI which has experienced DX-ers in 35 countries all over the world as members, has just issued the 5th Edition of its annual ***Domestic Broadcasting Survey***. It includes the ***Tropical Bands Survey*** for the 31st year in a row. This 48 pages survey covers all **ACTIVE** stations broadcasting to a domestic audience or relaying such broadcasts to compatriots abroad in the shortwave spectrum of 2200 - 30000 kHz. Included are new stations like: R Bahrain, AFRTS Keflavik, Information Radio at Iraq, La Nueva Radio Superior in Peru and World Music Radio from Denmark. Active Clandestine stations are also included with schedules and identifications.

This new Survey is based upon many official sources and DX-bulletins. In order to make the DBS reliable, we have checked, if each of the 1725 station frequencies is on the air, by our own monitors around the world throughout the period May 2002 - April 2003. Stations thus confirmed being **ACTIVE** are marked with an A ("Regular"), B ("Irregular") or C ("Sporadic") in the list. D means "Likely inactive".

A unique feature is the right column called "Last log". It shows the last month and year before DBS deadline on April 30, 2003 when the particular station was reported logged by a DX-er somewhere in the world. This is another way of indicating the current audibility of the station. ***To make this DBS up-to-date and user-friendly, most frequencies which have not been heard during the past year have been deleted*** and moved to an appendix on the rear pages.

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

Five sample extracts from the DBS-5 are shown over the page. Reviews can be found on www.dswci.org

Samples from Domestic Broadcasting Survey 5:

B	4765	100	COG	R Congo, Brazzaville	0430-0700 1700-1830v F/Vn. F ID: "Radio T 1 visi n Nationale Congolaise, Brazzaville." Off Aug 2001-Jan 2003, then sporadic tests // 9610 and sporadic, ordinary broadcasts. r – 2315. Ck 5985	APR03
C	4770	5	EQA	R Centinela del Sur, Loja, Loja	1100v-1400 1645-1800 2300-0330v S, ID: "C-D-S" or "CDS Internacional"	OCT02
A	4770	50	NIG	R Nigeria, Kaduna	Kaduna 2: 0430-2300 E/Hausa/Fulfulde/Kanuri/Nupe, N on the hour with E at 0500 1100 1600 1700, at 1900 Fulfulde and Kanuri. ID: "NBC"	APR03
B	4775	1	B	R Congonhas, Congonhas, MG	[Oct-Feb] 0830-0100v P. Usually with Evangelical px	JAN03
B	4775	50	IND	AIR Imphal	Northeastern Sce: 0030-0215 1030-1700 1730 E/Hindi, E nx 0035 1225(local) 1530. ID:"Akashvani Imphal", (= 7150). Off Mar-Oct 02	FEB03
A	4775	0,5	PRU	R Tarma, Tarma, Jun n	W 1000-1400 2000-0400, Su 1100-1400 2000-0400 P, d 4774.9 – 4775.3	APR03
B	4775	50	SWZ	TWR, Mpangela Ranch	International broadcasts: 0340-0500	MAR03
B	4777	100	GAB	Rdif TV Gabonaise, Libreville	Reactivated March 2003, r 1730-1900* F	APR03
B	4780	1	GTM	R Cultural Coat n, San Sebastia n Coat n	1100v-1500 2200-0230v S/Chuj. Off Jan 2000-Jul 2002.	APR03
C	6290	1	DNK	World Music R, Ilskov, Jutland	E to Europe, r evenings since 27 Apr 2003, ck 15810	APR03
B	6290	10	I	IRRS, Trezzo Dadda, Milano	0200-0300 2100-2200 E/F/S/Italian px from several producers,ex 6280	FEB03
C	6324,4	-	PRU	R Dif. Comercial, Nueva Cajamarca, Rioja, San Mart n	1030-2300 S, ID: "La Voz del Destino", r 0130, n 6325	JAN03
B	6348	50	XXX	R Echo of Hope, Kimp'o, KOR	1100-1800 Korean // 3985 (ID), ex 6003	APR03
A	6350	10	ETH	Voice of the Tigray Revolution, Mek'el , Tigray	MF 0400-0500, SS 0400-0900, MF 0930-1030, SS 1100-1630, MF 1500-1900 Tigrinya // 5500	MAR03
B	6350	3	HWA	AFRTS, Luualalei, Pearl Harbor	0600-1600 E (USB), ck 10320	MAR03
B	6350	10	XXX	Voice of Peace & Democracy of Eritrea, Mek'el , Ethiopia	W 0312-0350 Tigrinya, ck ETH 6350	MAR03
B	6895,4	0,25	PRU	La Nueva R Superior, San Miguel El Faique, Pampa Alegre	2000-0100v S, sl.: "Radio R.S.," "R. La Superior," "La Super Radio"; ex R San Miguel	APR03
B	6900	5	TUR	Turkish State Meteorological Service, Ankara	0500-0950 1200-1645 Turkish	MAR03
A	6937	50	CHN	Yunnan PBS 2, Kunming, Yunnan	Minorities Sce: 2245-0300 0630-0835 1100-1500 C/Lahu/Jingpo/Lisu/Dehong Dai, Xishuangbanna Dai. C ID: "Yunnan renmin kwangpo dentaï", d – 6936,6	MAR03
B	7915	10	USA	Information R, via USAF EC-130E Command Solo flying over Southern Iraq from Doha, Qatar	1500-2000 A // 693 & 756 MW 4500(ID's) 11292 & 100.4 FM to Iraq	APR03
B	7915	-	XXX	Information R, via Coalition Naval vessels in the Persian Gulf	2000-1500 A // 693 & 756 MW 4500(ID's) 11292 & 100.4 FM to Iraq	APR03
B	9720	100	RUS	CRR-1, Kurovskaya, Moscow	€ R Rossii: 0630-1500 Ru // 7440 12065 13705 15355 17600	APR03
A	9720	500	TUN	ERTT, Sfax National Network:	0200-0500v 1700-2100 A // 7190(ID) 7225 12005	MAR03
B	9720,4	5	PRU	R Victoria, Lima 24 h S/P, sl: "La Voz de la Liberaci n"	// 6020,3; n 9720, d - 9720,6	APR03
C	9725	7,5	B	R Clube Paranaense, Curitiba, Parana	[€Oct-Feb] 0800-2200 (Su 2300) P	NOV02
B	9730	50	BRM	R Myanmar, Yangon, Yegu	(SS 0245-0)330-0700 Bamar, 0700-0830 E, (= 5985 7185), d 9729,7 – 9730, 8	NOV02
B	9730	150	CHN	China National R 2, Xi'an, Shaanxi	1400-1600 (Apr-Oct 1100-1300 1400-1600) C // 3985(ID) 4850 7335	APR03
A	9730	150	CHN	China National R 8, Xi'an, Shaanxi	MS: 1300-1357 Tibetan // 9755 11685, ck	APR03
B	9735	150	CHN	China National R 1, Xi'an, Shaanxi	Apr-Oct: 0900-1300 C // 6030 9790 15380, ck 4460(ID)	APR03
B	9735	100	TWN	CBS, Taipei	News Network: 0700-1200 C // 7105(ID) 9685 15215	FEB03
B	9737,5	100	PRG	R Nacional del Paraguay, Asunci n	0800-0300 S, n 9735, d 9736,2 - 9737.8. Off May-Aug 2002	MAR03
B	9743,7	10	INS	RRI Sorong, IJ	0200-0800 Bahasa Indonesia. (= 4874,6)	MAR03
C	9745	60	BHR	R Bahrain, Ras Hayan	General Px: 24 h A; back Apr 2003; ck 6010(ID's)	APR03
A	13800	200	XXX	R International, via Kvitsøy,	€ Apr-Oct: W 1730-1815 Farsi, ck 7490 (ID etc) Norway	APR03
A	13830	10	HRV	Hrvatski R, Deanovec	€ HS 1: (Apr-Oct 0500-1)000-2400 Croatian // 6165(ID) 9830 to Europe, (= 7365)	APR03
C	13840	8,5	I	IRRS, Trezzo Dadda, Milano	€ MF 0630-0730, SS 0900-1400 E/Italian/G, ex 3985 7120	DEC02
C	13855	40	ISL	AFRTS Keflavik, Grindavik	24 h E (USB), ID: "This is American Forces Network", NPR nx	APR03
B	13855	100	XXX	Salama R, via J lich, Germany	1830-1915 Hausa, 1915-2000 E. Broker: DTK	JAN03
B	13860	250	UZB	British Forces Broadcasting Sec,	1400-1800 E to Middle East // 17800 or 17895, ck 6015(ID) London, via Samara, Russia	APR03

The 48 pages A-4 size DBS-5 is available only by e-mail as pdf-format (about 590 KB). It is sold by the treasurer:

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

for USD 5, EUR 5, GBP 3, DKK 40 or 7 IRC per issue.

Payment by cash notes is preferred. Checks are not accepted.

DSWCI Bank is Danske Bank, 2-12 Holmens Kanal, DK-1092 Copenhagen K,

Account No: 3001-4001-528459

Swift: DABADKKK

Postal Giro Account: Copenhagen 710-3409 (add fee: DKK 30).

Best 73's,

Anker Petersen

Bent Nielsen

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branch.news

Compiled by Chief Editor, Wellington



AUCKLAND

The **25 May Meeting** had 8 present at the Clubrooms, chaired by Yuri Muzyka.

Welcome back Bryan Marsh! Evan Murray says member Marcello Toniolo has moved here from his native Brazil and is expressing an interest in attending our DXpeditions. Welcome to New Zealand, Marcello! Evan read out some loggings of VOA, WWCR, Radio Ireland, Voice of Nigeria and University Network Costa Rica.

Yuri attended his first ever HCJB Conference which was held at the Maxim Institute in Waikowhai, Auckland on Saturday 10 May. The beautiful venue grounds has a panoramic view of the Manukau Harbour and surrounding Auckland suburbs from a unique high perspective. Dr & Mrs Jim Allen among several other key people from Australia and New Zealand addressed an audience of around 100. Jim is Senior Vice President of HCJB World Radio. Yuri enjoyed brief conversations with many there, the food and the audio/visual material with several of the presentations. The New Zealand organisation is mostly made up of volunteers.

Bryan recently obtained a book "Obsession" by an interesting gentleman who experimented with vintage radio, etc. Bryan recently travelled the Coromandel area attending deceased estate sales and auctions. He showed us a repair manual "The Ultimate Quick Reference Guide", 60 pages; "Published by Graeme Wormald, G3GGL, on behalf of Eddystone

User Group, 2002." The book is not available through the NZVRS but direct from the Eddystone group or emailing the author Graeme Wormald at g3ggg@euphony.net for further information.

The **June 2003 Meeting** will be at the Clubrooms, 3000 Great North Road, New Lynn, just past Whau Creek, on **Sunday June 29th** at 2 PM.

The **July 2003 Meeting** is tentatively at the Clubrooms on **Sunday July 27th** at 2 PM.

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

NORTH OTAGO BRANCH

May Meeting -- Seven members were at Waianakarua to spend the afternoon and evening at Paul Omandy's DX Site at Waianakarua. Medium Wave conditions were good and the X-Band was active.

June Meeting - - James Smyth was the host for this evening attended by five members. After the routine business there was a general discussion, Arthur de Maine spoke of his experiences during a visit to Japan.

Peter Grenfell and wife Jill departed this week for a three week visit to the USA to take part in what is an annual Zane Grey Convention. We look forward to sharing his experiences and viewing the photos taken with his new digital camera at a future meeting.

Next Branch Meeting - 13 July. Basil Jamieson.

SOUTHLAND BRANCH

Not a great deal to report this month with very little in the way of DX and Loggings by Members, however Lindsay Robinson has a few reports away. The May meeting was at Eddie MacAskills and discussion about the success of the DX Gathering Easter weekend at Tiwai took place. Paul had plenty of photos of the weekend for display and will have a video of the weekend at the June Meeting which is at Lindsay Robinson's - flat 4, 5 Tramway Road, Invercargill - **Tuesday 24th June 7-30pm**. Any Dxers from the North on holiday down this way are always welcome at our meetings, (**4th Tuesday each Month**)



Tony Magon (rear) and Paul Ormandy at Tiwai Gathering Easter 2003. Photo Credit. Ray Crawford

Kusalik travels around world – never leaving his armchair

Local shortwave radio listener has monitored over 1180 stations in 240 countries

by Chris Cavilla

SOUTHERN SUN TIMES

From the jungles of Brazil to the deserts of outer Mongolia, Ed Kusalik has traveled first-class via the airwaves of his radio — never leaving the comfort of his Coaldale home.

“Every night I can sit here and I can travel the world from my armchair” said Kusalik, while tuning in to various stations. “Right now I have traveled from Costa Rica to Europe and now we are listening to Radio Netherlands.. In a flip of a dial I can go to three countries”

Kusalik began his listening hobby by monitoring medium wave frequencies in the early 1960s. Antennas ranging from 1,000 to 5,000 feet long are used to tune-in to these distant broadcasts.

“Their ambition is to pick up the furthest station possible,” said Kusalik of medium wave listeners.

However, he soon moved on to monitoring shortwave radio stations which has become his passion of about 35 years.

“My principle is shortwave listening,” he said, adding occasionally he does enjoy Ham Radio which involves communicating with other listeners.



SUN TIMES PHOTO BY CHRIS CAVILLA
GREAT LISTENER: Ed Kusalik tunes-in to a station in Europe using his shortwave from his home in Coaldale.

Every time Kusalik picks up a station he has not heard, he begins a logging process and eventually writes the stations requesting verification — a QSL card or letter.

Kusalik recalls monitoring his first radio station based out of Quito, Ecuador in 1965. Since then, he has received over 1050 replies from stations in over 240 countries and heard over 1180 different station broadcasts during his years of radio wave surfing.

“I can spend anywhere between 30 to 40 hours a week doing this”

The walls of Kusalik’s office are shrouded with awards received from the North American Shortwave Association, which ranks him top in Canada based on the number of verifications received.

“They are in recognition of accomplishments and confirmations I have received. Some of these have taken 30 years to achieve.”

A special interest taken by the long-time listener is with clandestine stations which are non-official rebel broadcasts.

“These are all stations that were in the jungles of Central America,” he said, flipping

through a thick binder brimming with verification cards.

Kusalik describes shortwave radio as a very important instrument in Third World countries during times of war.

"Whenever there is a conflict in a country, communication is the most important thing.. If people don't know what is going on they do not resist" he explained. "If you control communication, you control people."

In times of unrest, Kusalik claims to have heard news through shortwave radio which has not been released in Canada until hours later. He maintains while listening to an American broadcast in Iraq, continual playing of the Stars and Stripes signified the end of Operation Desert Shield and the beginning of Operation Desert Storm. Five hours later, it was announced the Americans had declared war with Iraq.

Over the years, Kusalik has been solicited by people all over the world to sponsor immigrants into Canada. His address has become available in some countries due to the verification cards he requests from radio stations around the world.

"I have received some of the strangest gifts," he says, citing elephant skin as an example.

He has even had foreign women claim him as their husband and demand he sponsor his alleged wife and children into the country.

According to Kusalik, his hobby can be taken up for as little as \$100 — the cost of shortwave radio.

"You don't need giant antennas"

However, for the more serious listeners costly equipment is required to be able to fully enjoy listening to stations around the planet.

According to Kusalik, as long as there are voices to listen to across the airwaves, he will be tuned-in with the utmost interest.

"Until I can't hear or can't see I will be doing this until I can't do it anymore."

© by Chris Cavilla

Published in SOUTHERN SUN TIMES (CANADA), January 27, 1999

Ed Kusalik is a member of the New Zealand Radio DX League - Chief Ed



AMERICAN LEAGUE MEMBER VISITS NEW ZEALAND

Between mid March and mid April 2003 NZRDXL member Bill Smith W5USM, of Dallas Texas , visited shortwave and ham DXers in New Zealand and Australia. Below is a brief summary of his experiences.

"I began my visit hosted by Barry (ZL1ACZ) and Alice Williams at their Blockhouse Bay (Auckland) home. During the visit Barry took me to Russell, a trip on the waters of the Bay of Islands and gave me a most interesting history lesson of New Zealand's founding. The Russell trip included a visit to the marine radio station ZMH31".

"In the Auckland area Barry introduced me to several long-time shortwave and ham DXers and various visits to interesting locations and exhibits of NZ history. I also operated Barry's ham rig on 20 meters making several DX contacts. I was invited to speak at a special club meeting of the Auckland branch of the NZRDXL on ham and shortwave DXing subjects".

"Concluding the North Island tour thanks to the kindness of Barry and Alice, I flew to Christchurch followed by a train ride to Greymouth. There, an automobile was rented and I drove South and across the NZ Alps and up to Oamaru."



Bill Smith Texas, and Barry Williams with a Drake R4B on top of an old Hallicrafter SX25, at Barry Williams residence, Auckland.

"Paul Ormandy, his wife Linda and sons Mark and Scott greeted me at their home for a four day, fast paced visit to historic sites, low-tide fishing at Shag Point, penguin watching and a lesson in the finer points of shooting pool conducted by Paul and his father, Bevan, a

wonderfully cheerful gentleman. Also visited was olde tymer Stan, ZL4OW."

"Of course the visit included an overnight at Paul's DX camp and the opportunity to log sixteen US states, Canada, several Caribbean and Latin American's on mediumwave. Paul was especially delighted to log North Carolina's WBT on 1100 kHz and Panama's Radio Marie, 1310 kHz. I was duly impressed and able to get weather reports from several Texas AM stations, too. Dominant was WTAW, 1610 kHz."

"A drive from Oamaru to Christchurch and a flight over the Tasman put me in Australia meeting up with Wade (VK4ACB) and Lorraine Millwood in Brisbane. Following a "cuddle a koala" visit to the Lone Pine Koala Sanctuary there was a four hour drive to their Hervey Bay home. There Wade and I visited a number of ham DXers, the Hervey Bay Amateur Radio Club, took a fascinating day trip to Fraser Island, a day fishing expedition on Hervey Bay and an interesting tour of historic Maryborough. Radio conditions while I was in Oz were sub-par, but some SWBC listening and ham DXing was done."

"This four week exciting adventure was my first trip to New Zealand and fourth to Australia."

"I am most indebted to my hosts for a wonderful time." **Bill Smith Texas**

marketsquare - members free advertisements

FOR SALE:

SONY ICF 6800

Orange model. Good receiver for DX. Described by Rainer Lichte in 'Radio Receiver Chance or Choice' as a real performer. 530-30000 kHz plus FM.

Good condition in original box plus manual.

Asking price \$550.00

Phone John Durham (07) 5771311 or email johnjd54@xtra.co.nz



(The picture of the Sony ICF 6800 to the right is only to indicate what the receiver model looks like and is not the actual set for sale. Chief Ed)

WANTED:

Bax-1 Amplifier(s)

These were made by International Crystal Mfg some 25 or even more years ago. They were used in the NRC 2ft loop and other antenna tuning gismos, are no longer manufactured and there never was a replacement or further development of them. Were originally in kit form and were a handy wee tool!

Sutton Burtenshaw, 69 Galloway Street, Hamilton

E-mail to; suttonb@slingshot.co.nz



MEDIUMWAVE	DEC	JUN	INC	CNTS	SHORTWAVE	DEC	JUN	INC	CNTS
OPEN (Over 500)					OPEN (Over 500)				
Laurie Boyer	4006	4006	0	137	Ian Cattermole	4439	4591	152	200
Ray Crawford	2281	2286	5	188	Barry Williams	2703			243
Paul Ormandy	1549	1556	7	144	Günter Jacob	2587	2752	165	161
Sutton Burtenshaw	1011	1015	4	102	Ray Crawford	2511	2582	71	229
David Ricquish	786	829	43	66	John Durham	2225	2249	24	264
Bryan Clark	676	676	0	120	Laurie Boyer	1750	1750	0	183
Barry Williams	648			83	John Campbell	1670	1672	2	261
Mark Nicholls	643	643	0	67	Paul Ormandy	1628	1644	16	245
John Campbell	642			129	Robert Park	1516	1655	139	99
Stuart Forsyth	537	562	25	44	Lindsay Robinson	1442			171
Paul Aronsen	529	529	0		Bryan Clark	1355	1355	0	236
Lindsay Robinson	524			56	Paul Aronsen	792	794	2	125
SENIOR (301 - 500)					Peter Grenfell	671	671	0	133
Peter Grenfell	443	443	0	37	SENIOR (301 - 500)				
INTERMEDIATE (151 - 300)					Andy McQueen	379	386	7	103
Andy McQueen	298	298	0	21	Stuart Forsyth	358	366	8	105
Robert Krijger	228			13	INTERMEDIATE (151 - 300)				
Günter Jacob	212	240	28	45	Arthur de Maine	265	266	1	91
JUNIOR (5 - 150)					JUNIOR (5 - 150)				
Robert Park	86	86	0	2	Mark Nicholls	121	121	0	55
Arthur De Maine	51	52	1	11	Andrew Sunde	26	44	18	31
Andrew Sunde	21	22	1	2					
FM-TELEVISION					UTILITIES				
Robert Krijger	678			6	Ron Killick	61754			133
Bryan Clark	148			5	Robert Park	78	78	0	5
Paul Ormandy	110			5	Günter Jacob				
Mark Nicholls	42	42	0	2	Stuart Forsyth				
Andy McQueen	29			2	c/- NZRDXL, P.O.Box 3011, Auckland				
Robert Park	19	19	0	1	or direct to Darfield High School, PO Box 5,				
					Darfield 8172. NOTE CHANGE OF ADDRESS				
					E-mail: smforsyth@xtra.co.nz				

Another half year contest is over. Where does the time go?? Winners this time - in Mediumwave: Open - David Ricquish 43; Intermediate - Günter Jacob 28. In Shortwave: Open - Günter Jacob 165, although there are respectable increases for Robert Park, Ray Crawford and Günter Jacob; Senior - Yours truly with 8 and in Junior Andrew Sunde with 18.

The Chief Editor's broadcast report mentioned two months ago has not yet resulted in a QSL and thus an increase, but we are hopeful! One or two veries are coming in from the Tiwai Gathering and more are expected, or rather hoped for. Arthur De Maine nearly ruptured my computer by sending in a ladders increase! Those are ruptures I don't mind!!

A new competition starts this month, so getting listening, reporting and verifying and get those totals to me before Christmas!

Until August, 73s, Stu

NZ RADIO DX LEAGUE STATIONERY

After the success of our last special promotion we are offering another promotion
Any stationery order of two or more items will be at half price.

ie \$2.50 per pack, For \$10 plus postage, you can purchase a pack each of aerogrammes, surface report forms, letter heads and a log book.

Make up an order and take advantage of this half price offer.

Price List and Order form
 Cheques payable to
 NZRDXL Stationery

Barry Williams
 4 Kay Drive
 Blockhouse Bay
 Auckland

**HALF
 PRICE
 SALE
 FOR 2 OR
 MORE ITEMS**

From

.....

	Pack	No. required	Price	Cost
Report Forms				
Surface	50		5.00	
Aerogrammes	50		5.00	
Log Book	EA		5.00	
Lapel Badge	EA		5.00	
Surface Letterheads	50		5.00	
Prepared Cards				
English	25		5.00	
Spanish	25		5.00	
Postage and Packaging				1.80

Payment enclosed for -----

Regrettably this service can only be offered to New Zealand members due to freight and packaging costs.

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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Annual Membership:

Within New Zealand - NZ\$35.00.

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An Electronic (only) magazine is now available in a

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

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