



New Zealand DX Times

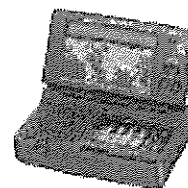
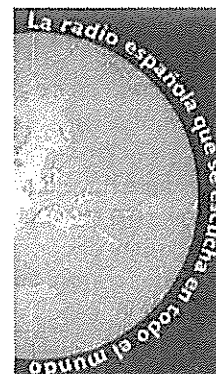
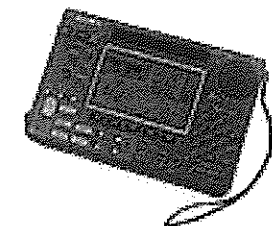
Monthly journal of the
New Zealand Radio DX League (est. 1948)
August 1998 - Volume 50 Number 10
<http://navigator.co.nz/nzrdxl>



Is the Internet ruining our hobby?

Although the Internet can be an excellent tool in the enjoyment of a hobby, many hobbies are finding people get interested in the Internet, and forego their original hobby in favour of computers and the Internet in general. The ham radio and radio listening hobbies are particularly vulnerable, as most people involved with them have an interest in the technical aspects of radio, the ability to gather information and be entertained (SWL'ing) or the ability to communicate with other people world-wide (hams).

Amateur Radio in particular is feeling the brunt of the problem. Why go through the anguish of sitting difficult exams to obtain a transmitting licence, when you can just walk into a computer store and buy yourself a ticket to communicate world-wide with like-minded people at the click of a button? A strong willed person can get on the Internet with an outlay of under \$400 for a 486 with a 2nd hand modem. Some in the ham radio establishment have recognised this problem and are actively campaigning to drop the morse code requirement for getting an HF licence. Unfortunately, the hard-headed ones are hanging onto the morse legacy for dear life. If they don't let go soon, they may be the last Hams, watching their hobby die an un-natural death.



We in the radio listening hobby must actively monitor the ever-changing Internet technology and promote it as a hobby-enhancing tool. We should also use it as an effective tool in attracting more people to our hobby. It far more challenging and fulfilling extracting a hard-to-hear station off shortwave than just connecting to an audio feed on a website.

SUBSCRIPTION DUE? A reminder that, for most of our members, this is subscription renewal month. If the date on your magazine mailing label reads **31/08/98**, its time to extract the subscription notice enclosed with this issue and forward with your payment. New Zealand members are reminded that a new subscription rate of \$35 applies.

Contribution deadline for Sept Issue is Wednesday Sept 2nd - PO Box 2956, Wellington

Editorial

with Andy Gardner in Masterton

Andy (andy@navigator.co.nz) joined the League in 1981 and is an inactive MW DXer.

Welcome to my 2nd issue as Chief Editor. If things go according to plan, you should be getting a magazine this month that has the best print quality you have ever had. It's taken a couple of months to iron out all the bugs. Last month, things weren't going well, and I ended getting the magazine photocopied in Masterton, and I did the folding, sellotaping and labelling myself, finishing at around 4am. I tell you, it was a mammoth task. Thank you to the many people who have commented positively on the print quality, it makes my efforts all seem worthwhile. A few typos crept in last month and I stuffed-up while laying out the under 9MHz section (sorry Ken!). I fully realise that a high proportion of our membership have been on the planet for quite some time (eh Bryan!), and their eyesight is showing the signs of a long, frantic, over-active lifestyle. I do hope you all appreciate the nice clean quality of the standardised typeface. No more eye-strain.

There have also been a few people comment on the subscription increase and the fact that it puts their subscription in jeopardy. I am well aware of the adverse financial situation that many of our members are in. All I can say is - please stay with us. I expect that the Leagues current financial situation is merely a temporary one, and that if we all stand firm through it, things will come right very shortly. With the decrease in the number of pages required (because of the new technology we are using) while still bringing you the same amount of information, I would be pleased to see the subscription level adjusting downward next year. Please also remember that DX League fees are quite low compared to most hobbies - only \$2.92 per month. That's pretty good value for money!

The centre page this month is the yearly subscription form. This centre sheet *does not* comprise part of the magazine, so feel free to pull it out and send it back to us. I have also included a 2nd subscription form on the other half. If you get a friend to join up (or re-join after a break away from the hobby) you get an extra free month added to your subscription. If you're really keen, sign up 12 new members and get an extra year for free! On the back of that page is a questionnaire that I would like you all to fill out. The answers will assist me in bringing you the DX Times that *you* want, rather than the one that I'm *guessing* you want.

No Ute column this month due to Evan's brilliant double backwards somersault with half twist and reverse pike (great execution, terrible landing, old chap! Ouch!). SW bandwatch +9 also failed to appear, so you'll all have to scan around in the basement frequencies this month.

Those of you that haven't had much luck tuning into DX on mediumwave, should give it another attempt now. Many of the common Kenwood, Yaesu and Icom receivers, along with most portables, automatically switch in attenuation when you tune below 1600kHz - you should notice this as a sharp decrease in receiver background noise as you tune down through 1600kHz. Have a tune around between 1600 and 1700kHz using your normal SW antenna around sunset and later - you might catch one of the new X-band AM stations. Worth a try!

I myself haven't had any time for listening recently having just moved back out to Riversdale Beach from Masterton. It's been a busy month. I'm hoping to connect an aerial to my R8A very shortly and chase those elusive new States appearing between 1600 & 1700kHz.

News from AdCom

compiled by Bryan Clark in Auckland

WELCOME TO NEW & REJOINING MEMBERS **GEORGE COGGINS**, Tramcar Bay, R.D.5, Warkworth (introduced to the world of shortwave and League membership by **KEN BAIRD** and **JON STANDINGBEAR**) and **LEIGH MORRIS**, 50 Glenhelen Road, Morphetts Vales, South Australia 5162. Formerly from NZ, Leigh has been prominent in DX circles since the seventies when he was an active League member. He attended the League's DX Conventions in 1976 and 1990. George is now operating a Sony 7600G receiver, thanks to Ken and Jon.

BIRTHDAY GREETINGS The Southern Cross DX Club, our Australian partner club in the South Pacific Association of Radio Clubs (SPARC) recently celebrated its 25th anniversary. Congratulations and fraternal greetings to all SDC members! We've been pleased to host SDC members at DX Conventions in past years (including **LEIGH MORRIS!**).

WITH REGRET we note the passing of long-time Nelson member Major **DESMOND ARNOLD-KELLY** on 4 July. On behalf of the membership, we extend sympathy to Stan's family and friends.

EVAN MURRAY Our hard-working National Secretary suffered an unfortunate fall and fractured his pelvis in early July while attending to DX League business. As a result, there'll be no 'Utilities' column this month but Evan hopes to be back in business next month. If you've written to Evan or the Administration Committee recently and are awaiting a reply, please be patient. On behalf of all members we wish Evan a speedy recovery.

SPONSORSHIP SUPPORT The DX League has had an excellent relationship with Sony (NZ) Ltd for some years, highlighted by the funding assistance provided for our full colour promotional brochure in 1995 and the 50th Anniversary celebrations earlier this year. The promotional brochure text on DX and shortwave listening was subsequently featured in Sony's twice-yearly colour catalogue. The Administration Committee has finalised a further sponsorship arrangement with Sony, which will assist operating costs while changes to the DX Times magazine production aimed at reducing overall expenditure are being realised. An added benefit of the relationship is expected to be access to relevant new Sony products. Currently **JOHN WEST** and **BARRY WILLIAMS** are testing out the new Sony AN-LP1 shortwave active antenna and intend submitting a user review for publication shortly.

OVERSEAS EVENT Planning to travel overseas later this year? From time to time there are special events of interest to travelling DX enthusiasts. The Ontario DX Association invites radio enthusiasts of all interests and all levels to attend Radio Fest 98 in Hamilton, Canada from 2 to 4 October. This 1998 convention of the ODXA promises to be one of the best events in recent years for radio hobbyists, with the theme "Communications Into Our Future". Topics to be covered during the weekend include Antenna Basics, a Mediumwave Loop Building Workshop, History of Canadian Radio, an Introduction to Shortwave Radio; Radio Astronomy and Shortwave Programming. The Saturday night banquet speaker is Larry Magne Editor-in-Chief of 'Passport to World Band Radio', while Dr Bruce Elving, Editor of the 'FM Atlas' will speak at Sunday Breakfast. Registration Fees : \$15 for the entire convention, \$5 for one-day attendance (presumably Canadian dollars. Ed). Contact for further information: World Wide Web : <http://www.durhamradio.ca/odxa/> E-mail : 70400.2660@compuserve.com Snail Mail: Ontario DX Association, P.O. Box 161, Station A, Willowdale, Ontario M2N 5S8, Canada

Shortwave Bandwatch under 9MHz

with Ken Baird in Christchurch

Please note that all frequencies should be in Kilohertz, time in UTC (=GMT = UT), initials underlined indicate reception report sent. For reasons of accuracy some positive ID from the station heard would be desirable, otherwise the ID of the station heard should be shown as tentative. Stations heard during JULY were :-

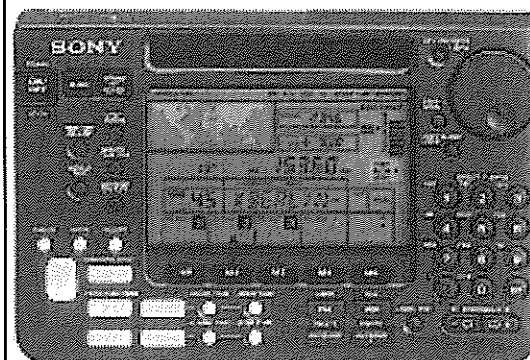
KHz	UTC	Country, Station, Programme, & Reception Details
2390	0815	USA, WWCR in EE with relig prgm giving Internet/ E mail address fair - GFB
	0939	USA, WWCR in EE with relig prgm fair // 3210 as good - CC
	0950	USA, WWCR4 weak / fair with relig prgm - Overcomer - RJC
2460	1020	BRAZIL, R Alvorada with music in Portugese - DN
3174.06	1129	INDONESIA, RSPDT2 Halmaherah (Tent). Fair with newws in vern. with mention of Pandang, Ambon, Medan. Variable freq. - DN
3204.4	1024	INDONESIA, RRI Bandung with singing and firm ID - DN
3205	0958	PNG, R West Sepik with s/on and ID in pidgin as R Sandaun playing sad music. V weak with long pauses. 3385, 3305, 3315 all readable - DN
3270	0500	NAMIBIA, NBC in EE poor. EE prgm begins "This is the NBC broadcasting nationwide" with local news and network news. Fade out 0540. EE prgm also at 2000 with ID news etc with fade out 2035 - BML
3280	1005	ECUADOR, La Voz del Napo poor / fair in Spanish with talk prgm - RJC
3300	0700	GUATEMALA, R Cultural v good in Spanbish with talk and music - RJC
3306	1820	ZIMBABWE, ZBC Radio Two in Vern, good with phone talk back with ID at every call - BML
	1945	ZIMBABWE, ZBC weak and noisy in EE - IC
3385	1039	PNG, R East New Britain in pidgin with pop music, good - DN
	1858	PNG, R East New Britain with music, poor but fading out at 1925 - KVB
3395	1148	PNG, R Eastern Highlands with pops and Peter Tosh, co-channel QRM from Indonesia - DN
3935	0805	NZ, ZLXA with relig prgm in EE good - GFB
3975	1845	HUNGARY, R Budapest fair with piano recital - TTS
	2015	HUNGARY, R Budapest fair in EE with talk - RJC
3995	2015	GERMANY, DW good in German with music & talk - RJC
4770	1108	EQUADOR, R Centinela Del Sur with full ID in Portugese - DN
4777	1755	INDONESIA, RRI Jakarta poor / fair in Indonesian with ID at 1800 followed by news - KVB
4783	2015	MALI, RTV Mali fair in French with vocals prgm - RJC
4790	1758	PAKISTAN, Azad Kashmir R poor / fair with IS then eth music and talk. Koran at 1803 then music. s/off 1810 - KVB
4799.82	1117	GUATEMALA, R Buenas Nuevas, San Sebastian with EE relig songs and clear ID, good - DN
4800	0700	MEXICO Ann. as Xerta with ann and call letters in EE then Spanish prgm - - GFB

4800.69	1103	MEXICO, Xerta poor in EE - DN
4805	0940	BRAZIL, R Dif do Amazonas fair / good in Portugese with talk prgm - RJC
4810	2017	ARMENIA, fair in EE with talk // 9965 good - RJC
	2020	ARMENIA, news and commentary in EE, good - GFB
4815	1925	BURKINA FASO, R National du Burkina fair in French. Talk prgm with Afro pop - BML
4828	2048	ZIMBABWE, Radio 4 with talk back, calls on air - RJC
4830	0755	COLUMBIA, R Tachira in Spanish, ex signal - GFB
4835	0823	AUSTRALIA, Alice Springs in EE with interview, good - CC
4840	1150	CHINA, Heilongjiang PBS fair in Chinese with talk & music - RJC
4855	1145	PERU, La Hora Radio v good with usual latin prgm with plenty of IDs in Spanish - IC
4865	1145	BRAZIL, R Sentinela de Amazonia in Portugese with firm ID, good - DN
4875	1119	BOLIVIA, R La Cruz del Sur in unid language then into Spanish with full ID - DN
4890	0730	PNG, Port Moresby good in EE - GFB
4904.8	1041	PERU, R La Oroya with relig prgm in Spanish, fair/good by 1100 - DN
4914.9	2047	KENYA, KBC Nairobi good with Afro music and Vern news at 2100, close 2111 - BML
4915	0500	PERU, R Cora del Peru good in Spanish - GFB
	0720	PERU, R Cora ex in Spanish with vocals & many IDs - RJC
	0825	BRAZIL, R Anhanguera fair / good in Portugese with IDs after records - RJC
4930.65	1150	HONDURAS, R Internacional in Spanish with ads and ID, poor with cw QRM - DN
4935	1845	KENYA, R Kenya poor with request prgm - TTS
4940	1020	CHINA, HAIXA 1 good in Chinese with music & lots of talk - RJC
4950	2030	SAO TOME, VOA with EE news, fair - GFB
4960	1836	CHINA, CRI poor/fair in Indonesian Over-ridden by R Vanuatu after CRI ID at 1854 - KVB
4964.7	1159	UNID, Spanish station with request prgm, too weak for ID - DN
4985	1000	BRAZIL, R Brazil Central good with ID then portugese prgm - GFB
5010	2005	MADAGASCAR, R Malagasy fair with vocal record prgm - RJC
5039.24	0945	PERU, R Libertad with phone in in Spanish, fair - DN
5047	1910	TOGO, R Togo good in French with talk prgm, fading by 1950 - BML
5055	0800	COSTA RICA, TIFC fair in Spanish with accordion music - RJC
5070	0440	USA, WWCR with relig prgm in EE, good - GFB
	0830	USA, WWCR 3 ex in EE with relig prgm - RJC
	1815	USA, WWCR with Word of Hope in EE - TTS
5085	0440	USA, WGTG with relig revival style prgm in EE, good - GFB
5085	0506	USA, WGTG in EE with World of Radio prgm, good - CC
5500.58	1107	UNID Spanish station with latin sound with music typical of Peruvian or Bolivian stations, too weak for ID - DN
5637.3	1013	PERU, R Peru in Spanish with ID - DN
5678	0950	PERU, R Ilucan good in Spanish, opened fair v good at 1200, mostly music prgm - BML
5678.8	1145	PERU, R Frecuencia good in Spanish with IDs at 1200 - IC

5810	0715	USA, KAIJ fair with long sermon in EE, ID on the hour - LR
5850	1840	GERMANY, Sunrise Radio in EE fair with requests, news at 1900 - RJC
5900	1805	CROATIA, R Croatia fair in EE with regional news. Music at 1809 then change to Croatian. s/off 1859 - KVB
5905	0350	UKRAINE, R ukraine Intl fair in EE - IC
5915	0350	UKRAINE, Kaxakh Radio poor with ID at 0400 - KAB
5925	0400	FRANCE, RFI in French with world cup news, good with ID at 0400 // 5990 - KAB
5930	2030	CZECH REP, R Prague with IDs then Spanish prgm, good - GFB
5935	0440	USA, WWCR with relig prgm in EE, fair - KAB
5970	0218	ASCENSION IS, BBC WS poor / fair in EE - KVB
5975	0328	ITALY, RAI fair in Russian with IDs, some QRM from BBC - KVB
5985	0459	USA, WYFR good in EE with ID, hymn, bible reading - CC
5995	2030	??? R Canada Intl with EE prgm, ex signal - GFB
6005	0415	GERMANY, Deutschlandradio Berlin in German with call-in prgm, pop music, fair - KAB
6010	0440	MEXICO, R Mil, with music and ID at 0440 - DN
6015	0415	??? DW in EE with European news and newspaper headlines, fair with QRM - KAB
6020	0420	NETH ANTILLES, RN in Spanish to Sth America, fair - KAB
6030	0403	USA, R Marti good in Spanish with ref. to R Marti - CC
	0430	USA, R Marti in Spanish with some jamming - GFB
6035	0650	USA, VOA fair in EE with Press Conference USA - RJC
6045	0506	PORTUGAL, DW good in EE with ID and Weekend Review - Cc
6055	0420	SPAIN, REE in Spanish with clear ID and commentary, good - KAB
	0513	SPAIN, REE good in EE with news of Spain - CC
6075	0445	COLUMBIA, R Caracol ex in Spanish - GFB
6085	0430	CANADA, DW in German with country music in German, good - KAB
6110	0515	CANADA, R Japan good in EE with interview - CC
6115	0650	PERU, R Union ex in Spanish with vocals - RJC
6145	1708	NZ, RNZI good with Samoan news - RJC
6150	1100	ALASKA, KLNS in Russian - JSB
	1200	SINGAPORE, R Singapore in EE - JSB
6155	0430	AUSTRIA, ORF with ID at 0430 then into EE with Report From Austria, good - KAB
6160	0700	CANADA CKZU- CBU Vancouver with CBC overnight in EE - JSB
	0728	CANADA, CKZU Vancouver in EE with interview. At 0805 into CBC Overnight - DN
	0827	CANADA, CKZN, St Johns in EE at s/on with ID and anthem and local news - DN
6175	0300	CANADA, BBC WS in EE with news etc, good - JSB
6180	0840	BRAZIL, R Nacional de Brazil ex in Portugese with talkback & music - RJC
6195	0430	??? BBC WS in EE with World News, good// 9410,12095 - KAB
6535.5	1135	PERU, R Difusora Huancabamba good in Spanish with many IDs - IC
6812	1100	PERU, R Del Mayo v good in Spanish with clear IDS - IC
7180	0600	NORWAY, R Norway Intl in EE on Sundays, good // 9590 good - KAB

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7195	0530	MOROCCO, VOA good in EE with news - RJC
7200	0353	SERBIA, RTV Srbije, R Belgrad, good in Serbian with full ID at 0400. Spoiled by Chinese QRM some days - BML
7210	0200	BELARUS, R Minsk good in EE. Prgm ends 0229 with sched. - BML
7215	1535	IRAN, VOIRI good in EE with ID prgm details and news - CC
7255	0630	NIGERIA, V of Nigeria good in EE with ID and news - CC
7285	1930	POLAND, Polish Radio Warsawfair / good in EE // 6035, 6095 all usable until 1958. EE ends 2025 - BML
7305	2315	VATICAN, R Vaticana fair with Chinese prgm - GFB
7365	1317	ALASKA, KLNS good in EE with Postcard From Alaska and ID - CC
7445	1145	TAIWAN, V of Asia in EE with Lets Learn Chinese, good - CC
7520	0259	MOLDOVA, R Moldova Intl in EE, poor with noise - PRP

My thanks to all the contributors this month. 73's Ken Baird

CONTRIBUTORS FOR THIS MONTH

BML - Bill McLeod, Christchurch - R 5000, 60m & 260m wires, 13m vertical, terminated rhombic. **CC** - Cliff Couch, Paraparaumu - ATS 803A, 45 m wire. **DN** - David Norrie, Auckland - AOR 7030, 30m wire with balun. **GFB** - George Beardsmore, Mosgiel - FRG 7, Split dipole N/S 30m x 6m. **IC** - Ian Cattermole, Blenheim - NRD 535, T2FD, Alpha Delta. **JSB** - Jon Standingbear, Beaumont, CA USA - DX395, DX350, ICF 7600, 30m wire. **KAB** - Ken Baird, Christchurch - R5000, FRG 7, ATS 909 : 15m wire, 20m Windom, Eavesdropper antennas. **KVB** - Kevin Brayshaw, Levin - ICF 7600, whip

Shortwave Report

with Matt Francis in Canberra

Welcome to the August edition of the 'Shortwave Report'. A brief introduction: I'm 32, married, and proud dad of a 14-month old son. My background is in radio journalism and public relations. Currently I look after the media section for AusAID, the Australian Government's overseas aid agency. I hope you'll find this column helpful in enjoying your hobby. Matt Francis.

Times in UTC, and frequencies in kHz.

CHILE Voz Cristiana, Santiago has been observed on various frequencies with Spanish religious programming and music, including 21500, 21550, 15375, 11690 and 11890 (in the 0800-1000 period). Postal address is PO Box 2889, Miami, Florida 33144, USA (Francis) Note some reports from overseas of this station on 15375 were in fact loggings of WEWN!

COSTA RICA Radio for Peace International (RFPI) latest schedule: 6975 2330-1530 (10kw), 15050 1800-0800 (30kw), 21460 1530-2330 (10kw). (RFPI)

GERMANY New service via Deutsche Telekom, Juelich, from 4 August: High Adventure Ministry 'Voice of Hope' on Tuesdays 1800-1959 on 5890 (100kw) and 2000-2159 on 7310 (100kw), both beamed to Europe. Also daily 1325-1529 on 15715 to South Asia. Democratic Voice of Burma via Juelich 1245-1345 15330, and 1430-1455 15635. Radio Asia Canada via Juelich 1800-1959 15210 (Sat/Sun), 2000-2159 15560 (daily), 2200-2359 11975 (daily), 0000-0159 9560 (daily), 0200-0359 9405 (daily), 0200-0459 9855 (Sat/Sun), 0200-0359 Mon-Fri). (Schedule via Andreas Volk, WWDXC 'Top News' no. 376)

MALTA Voice of the Mediterranean has a web site, at www.vol.net.mt/com/vom. Current schedule posted on the site as follows: 9600 (via Rome, Italy) Mon-Sat 0600 Italian, 0630 English, 0700 Arabic; Sun 0700 Italian, 0800 English, 0930 Maltese, 1030 French, 1100 German. 12060 (via Russia) Mon-Sat 1900 English, 2000 Arabic; Fri 1900-2100 Arabic; Sun 1900-2000 English, 2000 French, 2030 German. 17570 (via Russia) Sunday 0500-0600 Japanese. (Voice of Mediterranean)

NEW ZEALAND Staff and programming cuts to RNZI take effect from 3 August. Daily closedown moves from 1200 to 1015. RNZI's own programs will be cut from 11 to 5 hours daily. From 2230-1015 relay of National Radio domestic service. Pacific islands language broadcasts confined to local morning news broadcasts in Samoan, Cook Islands Maori, Tongan and Niuean. (Bryan Clark)

NORTHERN MARIANAS ISLANDS KHBI has been sold to Radio Free Asia (see under USA). The transfer took effect 2100 on 30 July. However, Herald Broadcasting plans to continue 8 hours a day via KHBI, and will still use 9845 via WSHB in South Carolina at 0800 for Australia/NZ. New schedule: 0900 15665 to China, 0900 11660 to Russia, 1000 15665 to China, 1000 11660 to China, 1100 9355 to Indonesia, 1200 9355 to Indonesia, 1300 9355 to

Shortwave Bandwatch Under 9 contributors (continued)

with extensions. **LR** - Lindsay Robinson, Invercargill - ICOM R70. **PRP** - Paul Peacock, Blenheim - Sony 6800, Supreme SW Listener. **RJC** - Ray Crawford, Brisbane - ATS 818, Short wire. **TTS** - Tristram Speedy, Auckland.

Contributions to this column may be sent to PO Box 2956, Wellington or directly to K A Baird, 10 Sarabande Ave, Christchurch, 5. Ph: +64 3 352 6455 FAX : 354 1347

India, 1800 13820 to India and Middle East. (C Ed Evans, Herald Broadcasting)

PAPUA NEW GUINEA In the wake of the Aitape tsunami disaster, NBC set up a mobile studio in Aitape to broadcast to the area affected. Also reactivated Radio West Sepik on 3205 which had been closed because of financial problems as well as operate on FM in Aitape/Wewak/Vanimu area. (Francis)

PORTUGAL RDP Africa is usually transmitted via satellite for rebroadcast in Africa, but has been on shortwave over the last few months because of the conflict in Guinea-Bissau which has put the local rebroadcaster off air. Currently on 13745 0600-2245 and 21655 0600-0000, according to RDP schedule. Has been providing excellent signal in Canberra on 13745 around 0600. An example of how when local FM rebroadcasts fail, due to local unrest or government intervention, shortwave is called upon. (Francis)

SINGAPORE Deutsche Welle via Kranji relay: English 2300-2350 5990; Indonesian 2200-2250 5990. (DW)

USA Radio Free Asia got a fair bit of press during the recent Clinton visit to China. While Bill spoke freely about democracy and human rights on state-run radio and TV, RFA journalists were barred from covering the trip by the Chinese authorities. Go figure. Current schedule for RFA is: Burmese 0030-0130 9975 11540 11580 11590 13710 13820, 1500-1600 11530 11590 13820; Cambodian 2230-2330 7455 7520 9570 11510 11570, 0030-0130 15655 15695. 1130-1330 15695 15705 9925 9930, 1200-1300 15660; Cantonese 1400-1500 9955 11500, 2200-2300 9355 9955 11500; Korean 1530-1630 5855 9955 11565 15660, 2200-2300 7470 7495 9395 9455 11785 15515, 2230-2300 9930; Laotian 0000-0100 7530 9365 9905 9920, 1100-1200 11510 15660 15715; Mandarin 0300-0500 17495 17525 17615 17880, 1500-1630 9445, 1500-2000 9905 9455 11520 11945 15510, 1800-2000 9420 11710, 2100-2200 9355 9420 9455 9905 11765 15515, 2300-0000 9420 9905 11785 13800 15515; Tibetan 1300-1400 11590 13830 15695, 2300-0000 9365 9875 9920, Vietnamese 2330-0030 9975 11580 13710, 1400-1500 9395 9455 9905 9930 11510 11535 11540 11590. (RFA) *(Item incomplete due message corruption — Ed DXT)*

UNITED KINGDOM Merlin Communications, the operators of the BBC's transmitter network is planning a 48-hour radio festival on 14/15 August to promote commercial broadcasting in the United Kingdom. Most of the programming will consist of segments from British music radio services, such as Radio Caroline, Radio London, Rock Radio Network, and European Classic Rock. The MNO Radio festival will broadcast the half-hour edition of "Communications World" on shortwave and by satellite, Saturday, August 15th only at 1300-1330. (VOA Communications World, 25 July). Network One MNO also broadcasts on a weekly basis as follows: Wed 1700-1900 15200; Wed 1900-2100 15565, 13690; Wed 2100-2300 13690, 11985, 11915; Wed 2200-2300 9780, 9645; Wed 2300-0000 13690, 11985, 9780, 9645; Thurs 0000-0100 13690, 11985, 9645. (MNO sked). Plans to commence 24 hour broadcasts later this year (Francis)

PIRATE RADIO Shortwave Relay Service (SWRS) says from September 11470 usb "will be our main frequency, every weekend, from Saturday evening to Sunday afternoon" (SWRS) This means approx 2100 to 1400 UTC?

SHORTWAVE QSL's WITH JOHN DURHAM

ALBANIA TRANS WORLD RADIO via Cerrick 9865kHz.Full data card from TWR Monte Carlo in 6 weeks. 1 IRC sent. **AMQ**

ALGERIA RADIO ALGEIRS INTERNATIONAL.11715kHz.Full data card, schdule and aerogramme report form back in 13 weeks.1 IRC sent. **AMQ**



CANADA RADIO CANADA INTERNATIONAL. Sackville 11960kHz.Full data QSL card sticker and schdule in 14 days for a E Mail report. **AMQ**

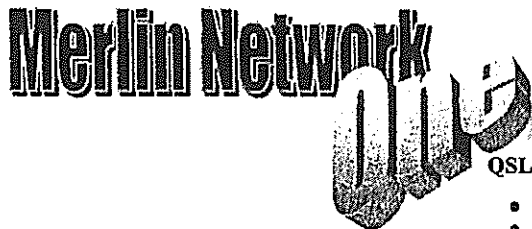
ITALY VOICE OF THE MEDITERRANEAN relay.9600kHz.Full data card featuring VOM insignia on pale blue background. Back in 4 weeks. **JD**

JAPAN RADIO JAPAN.Yamata 13680kHz.Full data QSL card and schdules plus NHK TV promo.back in 5 weeks. **AMQ**

MADAGASCAR RADIO NEDERLAND.9605kHz.Full data card back in 5 weeks **AMQ**

RUSSIA RADIO MARYJA (POLAND) via Samara 7400kHz.Fulldata paper QSL received with many bits and pieces including station sticker in 21 days for my English report on their Polish transmission. One IRC sent. **JS**

UNITED KINGDOM RADIO CAROLINE via several BBC transmitters of unknown location and power.Frequencys of 9915,13660,13720, and 17630kHz all verified on two large (210mm x 15mm) plain black and white cards of full data.Received in 5 weeks for reports on the special broadcast to celebrate one years operations by Merlin Communications International who relayed Radio Caroline and others during the transmission.Cards signed by John Knight of Radio Caroline, also received was station information and stickers. **JS**



Registered Office: Merlin Communications International Ltd
724NE Wing, PO Box 76, Strand, London, WC2B 4PH, UK

VIETNAM VOICE OF VIETNAM.HANOI.12020kHz.Full data card back in 12 weeks.IRC sent. **AMQ**

CONTRIBUTORS **AMQ** Andy McQueen. Brightwater Nelson.
JS Jack Searle. Haumoana. Hawkes Bay.
JD John Durham. Tauranga. Bay of Plenty.

CONTRIBUTIONS to SW QSL.PO Box.2956 Wellington. or direct to
===== SW QSL. 10 Ward St. Tauranga.

DXISIMO with John Durham

FOCUSING ON LATIN AMERICAN,AFRICAN AND EXOTIC DX.

BOLIVIA
4552.3 Radiodifusora Tropico.ID as "Son las 8.20 ensu radio diffusora Tropico" (Arrunategui/Chasqui DX) (NASWA)
4926 Radio San Miguel. Riberalta (Pijipers DX Window) (NASWA)
4964.98 Radio Juan XXIII.San Ignacio de Velasco.10.08-10.42 Morning folklore show "Buenas Dias Bolivia" (Relampago DX) (NASWA)

5927.19 Radiodifusoras Minería Oruro.10.02 Morning mx prg in Quecha.(Relampago DX) (NASWA)
5952.33 Emisoras Pio XII.Siglo XX 11.00 with relay of National Newscast Encuentro Nacional. (RelampagoDX) (NASWA)
6085.3 San Gabriel Radio.La Paz. ID for "San Gabriel Radio" program en dialecto y muy poco Espanol. (Arrunategui ChasquiDX) (NASWA)
6105.47 Radio Panamericana.La Paz 11.08 Folklore prg.(Relampago DX) (NASWA)

6135 Radio Santa Cruz. Santa Cruz 09.40 ID "Este jueves a las 7 de la noche,escuche por Radio Santa Cruz. (Arrunategui Chasqui DX) (NASWA)
6155.03 Radio Fides.La Paz. 10.52 Cultural prg for Aymaran community.(Relampago DX) (NASWA)

ECUADOR
4795.2 La Voz De Los Caras.Bahia de Caraquez.03.50-04.00 possibly reactivated.SS relig talk & S/off (Petersen DX Window) (NASWA)

HONDURAS
4910 La Voz de la Mosquitia. Puerto Lempira.Schduled to restart on Oct 1st 23.00-03.00 (CDX)

PERU
5018.7 Radio Horizonte Chachapoyas.
5025 Radio Quillabamba
5039.2 Radio Libertad de Junin.
5305 Radio La Inmaculata.
5460.6 Radio La Voz de Bolivar. New station not on the air daily.
5522.23 Radio Sudamerica.Cutervo.
5637.2 Radio Peru San Ignacio.
5981.42 Radio Chasqui.Cusco

(All the above Chasqui DX. Dateline Bogota. Relampago DX DX Window.) (NASWA)

ITALY
private stations operating on SW.
3985 0.5kW R Mariquita./Alpen Adria.Castelfranco Veneto: Irr.
6012v 2.5kW Tele Radio Stereo Roma: 24hr.
6283v 0.5kW R Mistero Gosh Planet Cunco: Irr.
7140 5kW R Maria Network.relay Spoletto: 24hr.
7306v 0.5kW R Europe.Pioltello (usb) 08.00-13.00v
7475 0.5kW R Strike.Palermo:Irr.
7480 0.5kW SWRS Firenze:06.00-16.00v
11515 0.5kW SWRS Firenze:08.00-16.00v
15025 0.5kW SWRS Firenze:08.00-16.00v
Dario Monferini C/-(PDX 11/05/98)

BURUNDI
6141 EE NX 17.53 -18.00.Has this frequency ever been heard in NZ ? (B Matthews via R Korea)

SOMALIA
Radio Free Somalia.
7100 800w Galkays 10.00-12.00 daily
9420 or **9425** 5w relay Bossusso 10.00-12.00.
Both these sites are in NoEa Somalia, was to be renamed "Republic of Puhtiland"on Apr 15th 1998 by the local people. QSLs available from Sam Voron. 2 Griffith Avenue.Roseville.NSW. Australia 2069.(1May/Ogrizek-Aus/EDXP/WWDXC Top News/Bueschel) (NASWA)

6860
Radio Hargeisa.Koran prayer at 18.55-18.58 (Schay) (NASWA)
Logged here in Tauranga 30/05 on **6861** with Nx at 18.45 folowed by a Koran reading.This part of Somalia is claimed as the independent nation of Somaliland but is diplomatically recognized only as part of Somalia.(Editor)

CREDITS
(NASWA) The Journal June 1998.
(PDX) Play DX. (CDX) Cumberre DX.

50th Anniversary Convention Proceedings

Highlights from the speakers at the Commemoration Dinner held at the Moeraki Boulders Restaurant, North Otago, on 7 February 1998.

- The following 'old-timers' from the League's formative years were in attendance for the dinner:
 - Jack Blacklock (started DXing in 1932), Ken Mackey (late thirties until 1962), Jack Searle (1937 to 1950 and back in the hobby since 1970 and still going strong), Murray Lamont (1937 to 1960), Don Reed (1939 to 1973), Jack Fox (an active DX listener since 1939), Ross Gibson (since 1946 and still active on shortwave), George Beardsmore (started listening in 1947), Barry Williams (started as a hairy legged 15 year old in 1951) and Peter Grenfell (since 1951).
- A minute's silence was taken in memory of those deceased members who have played prominent roles in the DX League's success over 50 years.
- Cliff Couch, who only took up the DX hobby in retirement, paid tribute to Arthur Cushen.
- Barry Williams of Auckland (National President) paid tribute to the founders and early members who laid the foundation for the League becoming the pre-eminent DX organisation in the South Pacific, if not the Southern Hemisphere. He spoke of periods of change in the hobby — transistorised and digital receivers, cold war propaganda and jamming, computers, satellites — and the need for the club to accept change.
- Barry then announced the award of 'Certificates of Recognition' to John Mainland, Arthur de Maine, Alan Roycroft & Paul Ormandy.
- Toshimichi Ohtake of Japan also paid tribute to Arthur Cushen for his helpful advice and kindness when the Japan Shortwave Club was founded in 1952.
- Anker Petersen, Chairman of the Danish SW Club International, recalled visits to Denmark by Tony King and Arthur & Ralda Cushen. He also passed on greetings from Jens Frost, Editor Emeritus of the World Radio TV Handbook.
- Risto Vahakainu from Finland, Secretary General of the European DX Council noted that one of the main differences in DXing between his country and NZ was that the best DX times here were at comfortable times — evening and morning, versus overnight in Scandinavia.
- Chris Martin of Queensland, attending his third NZ Convention, paid tribute to Merv Branks of Invercargill, who started his interest in beverage antennas for MW DXing.
- Ray Crawford of Queensland (formerly Invercargill) spoke of the many friendships he had made through the DXing hobby.
- Peter Grenfell paid tribute and made special presentations to the international visitors at Convention from Europe, Japan and Australia.
- Jack Fox and Ken Mackey reminisced about DXing in Merv Branks "6 x 3" (*the dimensions in yards! Ed*) crib (bach) at Riverton. Jack also recalled wartime DX experiences.
- Don Reed of Christchurch recalled being the foundation president of the North Otago Branch in 1952 and paid tribute to the Branch's significant role in the League.
- Paul Ormandy of Oamaru (on behalf of the organising committee) acknowledged the generous support for the Anniversary Convention from Sony (NZ) Ltd.
- Paul Aronsen of Invercargill recalled the early days of Southland Branch.

NZ DX Times Reader Questionnaire

Without feedback from readers, we can only guess what you want to see in your monthly copy of the NZ DX Times. Here's your chance to tell us exactly what you want to read about.

Please rate the regular columns that appear in the DX Times:

4=My favourite bit, I wait in anticipation of the mailman just to read it every month,
3=Good column, don't change it, 2=Usually find something useful in it, fairly interesting reading, 1=Hardly ever read it, but hey, it doesn't take up much space, so let it ride,
0=Dead boring, complete waste of paper, I'd rather watch the test pattern on TV.

SW Mailbag Shortwave Report SW Bandwatch SW QSL SW By Time

MW Mailbag MW Trail MW News TV/FM Utilities DXISIMO

Adcom news Computers/Internet Talkback Radio Members Travels

Chief Editor's Column (*careful!*) Receiver Reviews Technical Articles

Branch News Radio Station Histories DX League History Radio History

Any others columns you would like to see more of? _____

Any suggestions or improvements? _____

General comments: _____

Would you be more likely to take part in League competitions if they were based on loggings rather than reports/QSL's? Yes No Not interested in competing

Thank you for your input, Andy Gardner, Chief Editor.



1998/99 SUBSCRIPTION RENEWAL NOTICE

For most members of the New Zealand Radio DX League, subscription renewals presently fall due on 31 August 1998. If the date on your mailing label this month is **31/08/98**, then your **SUBSCRIPTION IS NOW DUE.**

To ensure that your membership continues without break - and not miss out on your monthly copy of the **NZ DX TIMES**, please ensure your subscription payment is in the mail no later than **Friday 4 September 1998.**

SUBSCRIPTION RATES:

- NEW ZEALAND: **NZ \$ 35.00**
- AUSTRALIA & PACIFIC ISLANDS: **AU \$ 35.00**
- ASIA & NORTH AMERICA: **US \$ 30.00**
- EUROPE, AFRICA & SOUTH AMERICA: **US \$ 33.00**

Payments please in currency as above or equivalent in your local currency.

Note: Cheques or money orders must be in NZ currency or the currency of originating country.

To: National Treasurer
NZ Radio DX League
P.O. Box 3011
AUCKLAND
NEW ZEALAND

I enclose payment of for my annual subscription to the NZ Radio DX League.

Name:Mr/Mrs/Miss/Ms: -----

Address: -----



NEW MEMBER APPLICATION

Keep up to date with the latest news and what's being heard by your friends in the Radio DX Listening Hobby

JOIN THE NZ RADIO DX LEAGUE

SUBSCRIPTION RATES:

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- AUSTRALIA & PACIFIC ISLANDS: **AU \$ 35.00**
- ASIA & NORTH AMERICA: **US \$ 30.00**
- EUROPE, AFRICA & SOUTH AMERICA: **US \$ 33.00**

Payments please in currency as above or equivalent in your local currency.

Note: Cheques or money orders must be in NZ currency or the currency of originating country.

To: National Treasurer
NZ Radio DX League
P.O. Box 3011
AUCKLAND
NEW ZEALAND

I enclose payment of for my annual subscription to the NZ Radio DX League.

Name:Mr/Mrs/Miss/Ms: -----

Address: -----

Main radio listening interests: -----

Introduced by: -----

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Prime Television New Zealand
Transmission Information

Transmitter Site	Service Area	Frequency
Waikarua	Auckland	UHF 59
Te Aroha	Hamilton/Bay of Plenty	UHF 60
Mt Erin	Napier/Hawke's Bay	UHF 61
Wharite	Palmerston Nth	UHF 62
Kaukau	Wellington	UHF 60
Sugarloaf	Christchurch	UHF 62
Mt Cargill	Dunedin	UHF 60
Hedgehope	Invercargill	UHF 62

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Jack Fox of Mosgiel (League Patron) closed proceedings with a look forward. He encouraged the League to consider running competitions based on station loggings rather than QSL verifications.

50 YEARS AGO THIS MONTH Page 1 of the August 1948 issue of 'DX Bulletin NZ' reports an enthusiastic gathering of Otago & Southland Dxers on 15 August resolving to form a new and active DX organisation. There is also more news of the medium wave frequency reshuffle in NZ and Australia, with "8 of the leading radio manufacturers in the Dominion" supplied with details by the 'DX Bulletin'.

2NB Broken Hill, the first of the new Aussies to take to the air, appeared on 720kc instead of the assigned 750kc. New contributor **BILL MARSH** of Invercargill has reports away to 60 American or Mexican stations including WBAL 1090 opening at 9.45pm. Fellow Southlander **DES SMITH** has 45 MW reports out, including WXRf 1590. On shortwave **DES HICKEY** of Petone has identified stations in Managua Nicaragua on 6300, 8170 and 8370kcs, also a new Ecuadorian 'La Voz de la Democracia' on 9870. His QSL list includes CP15, LRA1, LRM and YV1RV. **ALEX ALLEN** is hearing XGOA Nanking 17765 with English news at 9pm on 17765, 9720 & 5910kcs. **KEN BOORD** reports tests from Denmark on 15165 with regular broadcasts expected to start in September 1948.

BRANCH NEWS

The June meeting of the Southland Branch was held at the Secretary's residence 283 Centre St with 8 members present, 5 apologies. No accounts, and one item of correspondence was received. General, Laurie Boyer's antenna needed to be put back up and members volunteered to help. A discussion was next about David Ricquish's article in the times, Steven Greenyer brought a book by Ormon Wilson on radio from the early years, a thank you letter was to be sent to Arthur DeMaine for the fine job of editor over the past 11 years. Competitions, BC> KGXL 1650kHz 1Kw 115Pts E.MacAskill. Over 9> Radio Denmark 9.545kHz 250Kw 95Pts L.Boyer Under9> Radio Philipinas 17.730kHz 250Kw 72Pts L.Boyer No raffle held, next meeting at L.Robinsons 55 Tramway road. Members listened to some US broadcast stations over the Internet, and all agreed that it was not DXing by any stretch of the yard stick. Meeting closed 9.45pm. The July meeting was held at 55 Tramway Road with 7 members present, 3 apologies. Correspondence, remit proposal by P.Ormandy Outgoing thankyou to Arthur DeMaine, 2 accounts to pay and 2 to bank. General, A letter to Tiwai for continued access to be sent, AGM next meeting, and nominations to think about for that meeting, members thoughts on a letter received by Lindsay Robinson were voiced. Competitions. BC> WPHS 1620kHz 1Kw 139Pts E.McaAskill. Over9> Radio Ukraine 12.040 kHz 98Pts L.Boyer. Under9> Radio Blue Star Holland 6.290kHz 400W 133Pts L.Robinson. No raffle, next meeting 22Aug at Paul Aronson's, 10 Girvan St Wallactown for AGM. Meeting closed 9.30pm.

AMERICAN EXPANDED BROADCAST BAND UPDATE

- 1640 WKSH Sussex WI has limited broadcast times: Monday - Saturday 6am—10pm Central Local Time, Sunday 6am-8:30pm CLT. They only identify at the top of the hour, and have USA Network news at :55. (Kent Winrich email via PWO) Full data QSL letter with sticker and religious tract from v/s: Frank F. LeTourneau, Preacher/General Manager. Address: West 223 North 3251 Shady Lane, Pewaukee, WI 53072. (J.D.Stephens AL via email) Heard at 0200 UTC with USA Network news and into local wx broadcast. Back-to-back religious music followed until 0258 sign off announcements. (Chuck Rippel VA via IRCA's AM DX NewsFlash 7/98)
- 1640 Radio Bolivia Buenos Aires Argentina is an unauthorised station serving a Bolivian community of some 700,000 in the Argentine capital. Runs parallel to 91.9 FM. (Arnaldo L.Slaen via Jean Burnell eMail)
- 1660 KXOL Brigham City UT began broadcasting 6 August. At 1055 UTC, heard Oldies Rock VERY VERY VERY strong. In fact it is the strongest X Bander I have heard. Maybe they are testing with 10kw? ABC News at 1100. Soon after an email QSL received from Station Owner Brent Larson (ksos@webtv.net) — "Thanks Pat, yours is the FIRST DX in the new history of KXOL. We began equipment testing on reduced power, at 04:03 MDT today, and you reported reception at 04:50 MDT. Our second report came at 05:08 MDT from Summerlin (near Las Vegas, NV)". (Pat Martin via Greyline DX 8/98)
- This morning August 6 at 0800 EDT, I noted KXOL-1660-Brigham City, UT for the first time. The signal was extremely strong. It played oldies, and IDed for KSOS, the 800 kHz. affiliate. (Larry Godwin via email) The 10kw Harris DX transmitter will be diplexed on the same antenna as KSOS. Initial broadcasts will relay KSOS, with original KXOL programming from August. Robert Wein CA via IRCA's AM DX NewsFlash 30/7/98)
- 1660 WBAH Elizabeth NJ has new format. ID's as Radio Portugal. Various types of ethnic music & talks. Web site - <http://www.radiopusa.qpg.com/> gives address as Radio Portuguese USA, Inc. 189 215 South Street, Newark, NJ 07114. Fax: (973)589-0022 (Bill Harms via IRCA's AM DX NewsFlash 7/98)
- 1670 WTDY Operations Manager Glenn Gardner says the station has recently boosted its signal resulting in reception from the US West Coast by Pat Martin at 5am 1 July. (Tim Noonan WI via email)
- 1680 Per the Topband Reflector (<http://www.contesting.com/topband.html>), Dallas Fort Worth Airport's Flight Information Service has reportedly been causing parasitic signals on about 1835 kHz in the 160 metre band, heard out to the US East Coast. A note from Joe Blair at DFW to W8JJ on 15 July 15, 1998 said the transmitters would be off air until the problem was resolved. (Nick Hall-Patch BC via IRCA's DX NewsFlash 7/98)
- 1690 WMDM, Lexington Park MD heard with Art Bell at 0645 ELT 3 July. ID as "AM 16-90 WMDM .. Lexington Park." First heard 2300 ELT 2 July but no ID. (Bill Harms-MD via IRCA's AM DX NewsFlash 7/98) Full data QSL letter. V/s: Stacy Reynolds, Program Director. Address: P.O. Box 600, Lexington Park, MD 20653. WebSite: <http://>

www.977thebay.com (J.D. Stephens via IRCA's AM DX NewsFlash 7/98)

1700 KBGG Des Moines IA is reportedly on the air with talk format. Sister station KKSO 1390 is off the air permanently. (M Street Journal via Robert Wien CA via IRCA's AM DX NewsFlash 8/98) *Though not confirmed by DXer reports as yet. Ed*

ASIA PACIFIC BROADCAST NEWS

NEW ZEALAND Broadcasts from Parliament heard on 909. Anyone know what this is? (Chris Martin Queensland via email) "Radio Sport" program has the following e-mail address: radiosport@hotmail.com (Paul Ormandy) Radio Sport verifications for Dunedin 693 5kw, Wanganui 1062 1kw, Napier 1125 2.5kw via letter from General Manager John Howson. QSL address: Radio Sport, 54 Cook Street, PO Box 3526, Auckland. That brings my NZ stations verified to 95. (Pat Martin OR via email) By searching the New Zealand Yellow Pages on the Internet, I found the following station addresses: 1161kHz - Te Upoko O Te Ika Trust, 128 Featherston Street, Wellington. 1593kHz - Radio Asia Pacific, 11 Nikau Street, Eden Terrace, Auckland. (Pat Martin email) The small local community station 4XX (1422) in Kingston is off the air. Not much local support for station and the station's operator has been sick for a few months so he hasn't been able to keep station going. (Ian Baxter email)

AUSTRALIA 4TAB Townsville 891 verified taped report with partial detail letter in 11 days. Verie signer Van Richards-Smith, Chief Engineer. Address: P.O. Box 275, Albion, Queensland 4010. My Australian QSL #206 and QSL 2500 after 33 years DXing. (Pat Martin OR via email) *Congratulations Pat! Ed* The 1701 Hindu station in Brisbane runs 400 watts on a aerial on a shop roof. The email address to chase up QSLs again is, jack@ecn.net.au Jack is also assisting in the construction of the Italian station now believed to be going on 1629 with 400 watts. (John Wright email) A new station 'GB Radio' has popped on the band in Victoria on 1620. Owner Pieter Marchant advises - "Our business is called GBRadio. We re-broadcast radio stations from around the United Kingdom, targeting the British Expatriates in Australia. I am the Australian side of the partnership with Roger Thomas, who is based in London, being the other half. Currently, some 5 stations in the UK have been equipped with our computers, which are linked to the Melbourne computer via mega-fast cable. Although this facility easily allows 'live' broadcast, we have decided to delay transmission, for the time being, to the same time clock as Oz. In other words, the English 0700 programme is broadcast at 0700 in Melbourne. In the near future, programmes will be live. Over recent months, we have been testing 'the system' using an old Teleradio 80 (with lots and lots of fans to keep it cool!!!). Obviously the harmonic suppression ain't that hot, which is why you also pick it up on 4860. Which is also why we're not on air all of the time. Our studios are in Bayswater. We have a simple inverted L, 1/8th wave, on the roof. Currently an engineer is tuning our 1kw unit ... an ex ABC unit from Omeo. This will doubtless work a lot better than the current transmitter, though the power bill may be a bit higher ! Within the next few weeks you should receive GBRadio very clearly on 1620 and, hopefully, not so clearly on 4860. We also have a licence for 1611 in Sydney, which we anticipate to be on air before year end. Currently, our programmes consist of BCR from Belfast, Swansea Sound from Wales, Thames FM from London, Bay FM from Cumbria and Scot FM from Scotland. Swansea Sound and Scot FM are probably two of the largest stations in the United Kingdom. We have further stations in the UK ready to receive our computer equipment, the overall object being to run 24 hours a day, with just one or two hours from each station. In addition to Australia, our signal will also be broadcast to expatriates through local broadcasters in NZ, South Africa, Canada, USA, Saudi Arabia, Nigeria, Hong Kong & Singapore within the next few months. We will also have our

Internet site up within the next month (hopefully). I hope the above gives you some detail. Please feel free to email me at any time (gbradio@vic.bigpond.net.au), or you can contact me at Knox FM (another small radio project!!!) on 9720 9696. Roger and I have been working for over 5 years on this project and now, with just weeks to go before it is properly up and running, every bit of publicity is not only appreciated, but stands a good chance of helping us put food on the table again !!! By the way, if you know of anyone with a decent solid state AM TX we'd love to hear from them. Wattage unimportant as long as it's over 100 watts. (David Diamond via email

IBROADCAST NEWS FROM THE AMERICAS

KCWW Tempe AZ on **1580**, one of the easiest-to-hear North American stations, was to change formats to Radio Disney on 27 July. (Robert Wein CA via IRCA's AM DX NewsFlash 30/7/98) KZTS Tacoma WA **1360** FD letter in 36d for taped report from Dick Harris-Corporate Eng.-Address: Salem Communications-2815 Second Avenue-#550-Seattle WA 98121. Call letters have now gone back to KKMO. (Pat Martin OR via Greyline DX email) KARY Prosser WA **1310** is now KZXR, with talk "The Source" ex-Country format(M Street Journal 7/98 via Robert Wein email)

NORTH AMERICAN CALL CHANGES

700 KWLW Nth Salt Lake City UT ex KFAM
760 WBDO Palm City FL new station.
910 KFXV Vancouver, WA ex KKSJ
930 KYAK Yakima WA ex KGER
940 WMAC Macon GA ex WMWR
950 WTLN Orlando FL ex WZKD
950 KKLK Denison-Sherman TX ex KDSX
980 WTEM Washington DC ex WWRC
1190 KVCU Boulder CO ex KBCO
1190 KDYA Vallejo CA ex KXBT
1250 KEYT Santa Barbara CA ex KTMS
1290 KIKN Port Angeles CA ex KKNW
1340 KXXT Santa Barbara CA ex KLDZ
1360 WHCG Metter GA ex WMAC
1380 KRCM Beaumont TX ex KWBK
1470 WRTB Dunedin FL ex WLVU
1480 KVMR Santa Ana CA ex KWIZ
1480 WTDA Madison WI ex WTDY
1480 KUPN Mission KS ex KCAZ
1510 KMSL Ontario CA ex KNSE
1520 KKSJ Oregon City WA ex KFXV
1520 WDMN Toledo OH via WVOI
1580 WAHI Knoxville TN ex WDMF
1590 KXFS Ventura CA ex KXSP
1590 KDAV Lubbock TX ex KLLL

Thanks to Lee Freshwater & IRCA's AM DX NewsFlash email

CANADA CKBD **600** Vancouver has apparently dropped their Contemporary Christian format for Adult Standards/Pop. Their slogan is now "We play 6 adult standards per hour". I'll check to make sure they haven't changed call letters, but they still call it "The Bridge". (Pat Martin via Greyline DX) CBL **740** is to close on 20 October (it's now on 99.1). (Chernos email via PWO)

There are no plans to move CBU, CFPR, CBX, CBK, CBR or CBW to FM, as they cover so many remote areas that FM couldn't handle. In time, most stations will be going to the digital band though. I was told that CBL Toronto went to FM because with the Toronto transmitter site, the coverage wasn't that good. FM can do better, as it has done in the East. CBXQ Ucluelet is going to stay on **540**. They have scrapped the idea of going to FM. Tofino **860** did go to FM, and the CBC was hoping that the FM at Tofino would cover Ucluelet, but it doesn't. CBXQ is still one of the older 40 watt tube units. CFPR Prince Rupert BC **860** is still 10kw day and night ND. Their plans to go to 2.5kw were dropped. I spoke with an engineer at CBC Vancouver and found out all MW LPRTs are not now running the 20-40 watts. As the CBC replaces the old tube models with solid state, they can run up to 400 watts. Most are still running 40 watts, but about a half a dozen run more power, as CBRU **1260** is running 200-250 watts. CBKY Keremeos BC **1350** is running near 400 watts. CBUU Clinton **1070** is running in to 200-300 watt range, as CBRJ Grand Forks also is. (Patrick Martin email)

ECUADOR Just received a QSL from Radio Universal **1270** in Guayaquil. Verie signer is: Ing. Com. Adela Arroba de Dupre, Gerente. Reply received in 70 days for a SS report and US\$1.00. (Paul Ormandy)

MEXICO Well, after first sending them a reception report in 1976, and in subsequent years, I've finally eeked a QSL out of XEB! This time I sent an e-mail report to the following address and received a prompt reply by way of a friendly Guadalupe Hurtado Treviño, Gerente. imer@mpsnet.com.mx. The reply came by airmail post from the following address: Mayorazgo No. 83, Col. Xoco, CP 03330, Mexico DF. (Paul Ormandy)

Have been hunting the web for ore Mexican e-mail addresses and found Grupo Radiopolis (XEW **900**, XEX **730**, XEQ **940** & XEWK **1190**) racosa@foreigner.class.udq.mx (P.Ormandy) Mexican station XEPC Sonido Estrella, Zacatecas, **890** has recently QSL'd. Verification signer - Jesus Gerardo Jaquez Bermudez. Station e-mail: xepc@internet.zac.itesm.mx (Paul Ormandy)

VENEZUELA Please visit my new web page about Venezuelan-QSL-Help - <http://members.tripod.com/~wintermonges/index.html> Soon it will have news about Venezuelan Radio Tours in 1999. (Winter Monges email)

Merv Branks Trophy

We're off to a new year for the above competitions so let's recap on results from the last competition year: 1st — Paul Ormandy 65 points, 2nd — Keith Robinson 21 points, 3rd — Laurie Boyer 14 points. So this month we are starting fresh:

Paul Ormandy 4, Lindsay Robinson 1,

Remember, to score points all you have to do is QSL stations from Australia, New Zealand, the Pacific (including Hawaii) and Asia (including the Middle East). A full definition of countries eligible can be found in the SPARC countries list. If you would like a SPARC countries list, please write to Adcom HQ, P O Box 3011, Auckland.

Best of the Month

Paul Ormandy with XEPC Sonido Estrella, Zacatecas, Mexico 890kHz 1kW.

Broadcast DX

with Paul Ormandy in Oamaru

Paul Ormandy (paulorm@es.co.nz) joined the League (as a cheeky young lad) in 1974 and is an avid MW DXer.

Greetings all — the Equinox is on the way — I can literally smell it when checking the bands! So keep those dials twirling, particularly around sunrise and sunset as well as in the 0900 — 1100 UTC time-slot as daylight advances across the Americas.

Highlights:

- More X-banders aplenty! Check out Bryan's news items.

Lowlights:

- Another Radio Sports station on air from Nelson on 549kHz!
- 531 PI to use 1YC 882, 2YC 657, 3YC 963 & 4YC 900 (and possibly some of those recently used freqs. like Napier 909....)

Unidentified: Chris Martin has been hearing a NZer on 909kHz carrying Parliament — presumably this is from Napier... could any of our members closer to the Hawkes Bay check this for us please?

Unidentified Solved: Back in March of '97, I heard a station in either Quechua or Aymara on 1000kHz, with a brief announcement in Spanish. After scratching my head and trying various ways of solving this dilemma, I sent the tape to Henrik Klemetz in Bogotá and he positively identified it as Radio Baha'i Boliviana — my first positively identified Bolivian in 23 years of DXing! Thanks Henrik — now to get a QSL!

Ian Cattermole, Blenheim, passed on a couple of brochures from Radio Difusora Nacional de Colombia — thanks Ian. Perhaps as you seem to be running out of SWers to log, you may find MW more appealing!

Martin Greer, West Launceston, Tassie, has found the dreaded lurgy not conducive to DXing though found sitting on 1296kHz rewarding — see trail items. I agree with your comments on Marc Hunter and Dragon — I've lost a fair bit of sweat dancing to their numbers in the past!

Ray Crawford, Brisbane, "Have had a trip to Townsville on business and made a few logs from the motel room. Also a trip to Chris Martin's Boreen Point location and conditions were very noisy, of course the night before was brilliant as usual! Logs are from Townsville: China 1080, 909 and 738, RRI Bandung 1395, DXAB 1296, Vietnam 1242, DYDS 1260, China 1314, Taiwan 1270 and from Boreen Point: 6GS 1611 and CKEG 1580. Veries in from 2EA 1413, 2LT 900, 2HH 1341, 2ZW 1314, 2EA 1107, 2RPH 1224, 2RF 1539 and AIR Nagpur 1566. Hopefully another trip with Chris soon. It was really good to get some Asians while in Townsville. Just using the Sangean 818 in the motel room with the in-built aerial" *Wow! Imagine if you could find a motel with a Beverage!*

Paul Peacock, Blenheim "Nothing in the mailbag as yet but reports out to the following: all are National Radio frequencies, just in case they do go FM in the future — 2YZ 630, 4YW 639, 3YA 675, 1YA 756, 1YZ 819" *No doubt we'll see the rewards next month! And I hope your efforts don't go unrewarded — i.e. that National Radio does move to FM!*

Chris Martin, Sunny Queensland, tells us he is about to re-join the League (welcome back!) and reports in with logs sent off to WQEW 1560, KGXL 1650, KAYK 1690 (note: not KYAK — they're still on 650), WBAH 1660 (ex-WJDM) and WCMQ 1700. *So... the QSLs will arrive next month...*

Lindsay Robinson, Invercargill, logs from home, 2ME 1638, 6GS 1611, Radio Italia 1620,

HRN 1629 and Sports Roundup 1503. And a QSL from Manawatu Souz 999. *I understand that the R Italia 1620 is located in Canberra. Check out those Latins on SW before 0400, 681, 6480 and 6726 are regulars.*

Paul Ormandy, Oamaru, apart from logging 6WF 720 when 4YZ was off for maintenance, things have been rather quiet with the only other loggings being "locals" 2RG 963 and Radio Sport 1062. A trip to Waianakarua soon should put that right! QSLs are still making the odd appearance with the following weighing down the postie of late: HCUM2 R Universal 1270, HJFR R Net 1210, R Visión Cristiana 530 and Radio Sport, Wanganui 1062 (very prompt reply on a PPC in 4 days), XEPC Sonido Estrella 890, and BEL3 Taiwan Yuyeh, (Taiwan Area Fishery Broadcasting Station), Kaoshiung 1143, 2RG 963 and 6WF 720.

Trail Time RC- Ray Crawford at Townsville and Boreen Point. MG — **Martin Greer** West Launceston, Tasmania. BV — **Brandon Vaughan**, Invercargill. POW — **Paul Ormandy**, Waianakarua.

639 0710 FIJI Radio Fiji, Lautoka, exc. sig w/Island vocals. RC

738 2020 CHINA CRI Jilin, fr mxd w/Aussie. RC

909 1240 CHINA CNR Fujian, gd w/CC mx prog, //1089. RC

930 0637 USA KHJJ Los Angeles, CA, reg. ids as "Radio Noticias" and all SS news. POW

1053 1200 JAPAN JOAR Nagoya, vgd w/id & nx. RC

1080 1125 CHINA CRI Kunming, fr in Cambodian. RC

1188 1040 AUSTRALIA 2NZ Inverell, strong sig. BV

1242 1200 VIETNAM RTVN Hanoi, fr w/welcome to tourists in EE then VV prog. RC

1260 1915 TAIWAN BEP22 Ching Cha, Taipei, fr w/tlk prog, jazz at 1930. RC

1260 2000 PHILIPPINES DYDS Cebu City, fr-gd, id & license nos. RC

1296 1050 PHILIPPINES DXAB, location???, gd at times also hrd 1930 w/full id, license no. & network stn. License numbers. RC

1296 1551 NEW ZEALAND 1ZH Hamilton 1 of many stations mixing. At 1600 BBC time pips — prob. carried by 4RPH, then station w/ Radio National pgm turned out to be 6RN Wagin, At 1630 FF turned up, prob. from RFI via Yunnan, China. MG

1314 1935 CHINA CRI Nei Menggu (Inner Mongolia) fr w/tlk. RC

1350 1930 JAPAN JOER Hiroshima, fr w/commercials & tlk mxd CC station. RC

1395 1130 INDONESIA RRI Bandung, gd at s/on, nx 1200. RC

1440 1740 SAUDI ARABIA BSKSA Ras-as-Zawr pres. the one w/weak sig in AA u/Aussie. MG

1512 1108 AUSTRALIA 2RN Newcastle, very strong. BV

1548 1100 AUSTRALIA 4QD Emerald, news & pop mx. Strong. BV

1570 1210 CANADA CKEG Nanaimo BC, fr w/C&W. RC

1580 0818 USA KCWW Tempe AZ, has dropped C&W in favour of R Disney format. PWO

1611 1136 AUSTRALIA 6GS Wagin, weak/fair, lots of ads & race results. RC

1620 0550 ARGENTINA Esmeralda, Buenos Aires, gd sig w/SS relig, even on US aerial! POW

1638 1053 AUSTRALIA 2ME Sydney, talk-back in Arabic, good sig. BV

1650 0547 USA KKTR Costa Mesa CA, fr & clear w/ids as "K-Traffic" and "K-Car" and all traffic nx and blocks of ads. POW

1670 0445 USA WNML Warner Robins AL, pr w/sports cmtry, only X-bander audible at this time. POW

1690 0704 USA KAYK Arvada CO, tent. the one here w/Radio Disney" prog. No id prior to the hour - a real pain to get a firm id on!

August already and the year 2/3 gone, I am hoping that as we approach the season of the Equinox that reception conditions will improve. In my area over recent months signals have not been reaching the anticipated level, there has been much background noise and with fluctuating signal levels reception generally leaves a lot to be desired..

Nevertheless on a more cheerful note we have a New Look and brighter "DXTIMES" to read. I feel sure you all agree that it is a distinct improvement. I am only sorry that this section can not be updated to meet the new era but until a new Sub-Editor takes over this job the old typewriter and paste pot will have to fill the bill.

You will have noted that last month ADCOM clarified for us just what Countries can be counted in our "Verified Countries" lists, now we have an official ruling that clarifies what has always been a grey area.

The closing date is a few days away yet but I have some contributions that have come to me directly so I'll get them typed up right away to relieve the pressure later on.....

ROSS GIBSON, Christchurch.. QSLs have arrived from Radio Tashkent 9715.. China Radio Int., 9690. (This frequency is via Spain). Voice of Russia Via?? 7425.. Radio Minsk 11960.. Radio Vilnius 9855.. and Damascus Radio 13610 kHz.

(Thanks, Ross, for your letter with the list, wouldn't it be a strange and dull world if we all agreed on everything ? Ed.)

BOB BOUNDY, Christchurch.. Bob writes that he has lost interest in computers and finds his radio much more rewarding. His NRD 525 seems to be performing well and has hooked verifications from Radio Norway Int. 9590.. YLE Radio Finland 11945.. Swiss Radio Int 9885.. Radio Austria Int. 9870.. Radio Japan via Skelton 7230.. and Zambia National Broadcasting 6265 kHz for another new country.

(Zambia a nice one, Bob, new countries are always especially welcome. Ed.)

PETER GRENFELL, Weston, Oamaru.. Due to a few minor hiccups with my filing system this one is rather late and should have appeared in previous issues , my apologies, Peter. Nevertheless they are good ones and maybe worth waiting for. Radio San Marino Int. 7580 L.S.B. mode and rated at just 300 watts.

U.C.B. United Christian Broadcasters 6200 kHz with 1 kilowatt of power from an unknown site in the U.K. (Quite possibly from Eire.)

(This is really low powered stuff, Peter, Yes the British one may well have actually transmitted from Eire as did Radio Fax several years ago when the British Law made it too risky to operate from their home base. Ed.)

IAN CATTERMOLLE, Blenheim.. A mighty list here with results from FEBE 15095.. R.C.I. via Sackville 9640.. China Radio Int. 7170, 9565, 9670, 9880, 9890, 15515.. Radio Yugoslavia 7130.. Radio Telefis Eireaan via Julich 9640, 12015.. KSDA 9650, 11790 HCJB 17735.. R.C.I. Via Yamata 15195.. Radio Arcangel San Gabriel LRA36 15476.. Radio Taipei Int 7520, 9610.. V.O.A. via Breich 7275.. WYFR 11725, 15695.. Radio Finland 6135, 9760, 11900,, Radio Sweden 9475, 13830.. Radio Minsk 7210, 11960.. Merlin Network one 15590.. Radio Slovakia Int. 7300.. Voice of Greece 17705.. Voice of Hope, Georgia 12125.. Sunrise Radio 5850.. BBC via Seychelles 15420.. Radio Denmark 9940, 18950 (How was that ??) Radiobras 9745.. The overcomer via Julich 12050.. Voice of Vietnam 10010.. Voice of Russia via several sites.. Moscow 12070, Samara 9820, 9470 and 15515, via Kharbarovsk 17655 and Ekaterinburg 11930.. N.H.K. Japan via Yamata 11730, Singapore 11740 and via Sackville 11705 Khz.

(Whew ! After all that I hope I haven't omitted any...

Thanks for the Grove catalogue, some interesting items if only one could win Lotto. Ed.)

Advice from Italy says another batch of QSLs will go out from R.San Marino late July and it is hoped to have another broadcast around Dec. 19/20 IH.

DAVID MCGAUGHEY, Papatoetoe, Auckland.. Welcome aboard, David, with what is I believe your first ever contribution to "Shortwave Mailbag". Always great to have new contributors telling of their results. David lists QSLs back from... Swiss Radio Int via Singapore 9810.. WHRI 7315.. BBC via Thailand.. WWCR 7435.. Radio Finland YLE 17830.. Radio Japan via Yamata.. Kol Israel 9435.. Deutsche Welle via Wertachtal 21680.. DW via Trincomalee 17560.. R.A. Via Shepparton 13605.. V.O.A. Greenville 9575.. Radio Baha del Ecuador 4950 and Radio Caroline 15200 kHz.

(Thanks, David , a good list and the layout is fine. Hope you can contribute on a regular basis . Ed.)

PAUL ORMANDY, Oamaru.. Paul has been busy working on ideas for new Competitions but has had time to get a bit of listening in and has verifications back from Caracol 5075.. and a couple of Pirates in Radio Nonsense 6955 (USA) and Shortwave Relay Service 11470. North Italy with 300 watts)

(I agree on the New Look TIMES and hope Members find the increased Subs will be compensated for by it. Ed.)

JOHN DURHAM, Tauranga.. John has heard from Voice of the Mediterranean via RAI 9600.. World Music Radio via Meyerton 3345 and 6290.. Trans World Radio via Meyerton 11735.. and Turkmen Radio, Asgabat 5015 kHz. , the latter after several years of effort.

(Always a thrill to get one back after trying for years and giving them up as a lost cause, congratulations. Ed.)

JACK SEARLE, Haumoana, H.B. A few continuing to dribble back, this month from Merlin Network One 11915.. Radio Taipei Int. 11740.. AWR via Julich 9835.. Radio Australia via Shepparton 7240.. V.O.A. via Kavala 15205.. Swiss Radio Int. via Montsinery 9885.. Radio Exterior de España 11830 and Lastly KWHR 11565 kHz.

A.W.R. International Relations sent a very nice 13 token set of coin type tokens of "RUGGED AMERICANS". Presumably from the last contest. Members should be aware of this year's contest for Large QSLs, always worth an entry.

LINDSAY ROBINSON, Invercargill.. Just one QSL back for Lindsay but five reports out, the return is from Radio Bluestone, Holland on 5290 kHz with 400 watts, presumably a Pirate operator ?

RAY CRAWFORD, Brisbane Australia, From the Banana Benders' territory our Ex Pat Kiwi writes that he has caught the DX Bug again and to prove it he has QSLs back from Sunrise Radio Via Julich 5850.. WEWN 7405, 7425.. Radio Nederland via Bonaire 17605.. Voice of Greece 15560.. RNZI 11690.. Swiss Radio Int. 11360, 13635.. Kol Israel 17545.. WYFR 5950.. Radio Santa Cruz, Bolivia 6135.. R.Rivadavia, Argentina 11133, Radio Japan via Montsinery 9530.. Voice of Turkey 21715.. KWHR 17555.. KNLS 6150.. and Radio Vanuatu 4960 kHz.

(A good list, Ray, Nice to hear from You again, Yes, a Convention can whip up the enthusiasm ! Ed.)

PAUL PEACOCK, Blenheim.. Paul has two back, Swiss Radio Int via Montsinery 9905 and Voice of Russia via Kishinev, Moldova.

(Re B.O.M. the Certificates can be a bit slow getting out but I'm sure yours will turn up one day. Ed.)

BEST OF THE MONTH AWARDS GO TO :-

QSL for Under Nine MHZ.

Peter Grenfell, R.San Marino Int.
7580 kHz L.S.B. 300 watts

The Best over Nine MHZ.

Ian Cattermole. LRA36 Arcangel San
Gabriel, 15476 kHz 1 Kw.

TV/FM DX

with Brian Withers in Taradale

Andy McQueen, Brightwater has Heart FM 100.2 logged & QSLed.

Brian Withers, Taradale has QSLed the following stations. Radio Rhema 100.5 Tokoroa, The Rock 92.7 & 94.3. The Edge 99.8, Y FM 99.3, Solid Gold 99.9, 92.5 & 93.4, XXX 99.1 & 94.3 Rotorua, The Fish 91.6, Sports Network Taupo 90.2, 96 dot One Hamilton on 96MHz, UFM 89 Hamilton.

STATION NEWS:

- * The NZ Commercial radio has earned \$172 million to end of March 31 1998.
- * Radio Otago buys up Fifehire for \$2.8 million & launched Christchurch Easy Listening i as Easy listening Lite FM. Lite is also networked into Dunedin & Invercargill.
- * Classic Rock 96 Hawkes Bay changed to Hauraki 96 on 13 July.
- * Classic Rock Rotorua 98.3 changed to 98ZM. Will take network feed from Auckland & 7pm to midnight from Christchurch.
- * Classic Hits has also undergone significant changes. Each of the 13 stations, with the exception of Wellington & Christchurch, are now receiving the same Auckland feed throughout the day. The 2 exceptions have been made to reflect the different character of the Wellington & Christchurch markets. There the format has shifted towards a 70's & 80's focus, each with their own breakfast, but sharing the same shows for the rest of the day. Mornings produced in Wellington & afternoons in Christchurch & then the evenings in Wellington.
- * Channel Z Wellington has moved to 91.7 which was formerly owned by Hitz FM. This frequency is transmitted from Mount Kaukau. They are still using 94.7 & 98.5 but trying to get listeners to switch from 98.5 to 91.7.
- * The Edge is now beamed into Rotorua. Anyone know the frequency please?
- * Rotorua 96 is to be renamed Lakes 96FM from 3rd August.
- * National Radio on 94MHz to Te Kuiti.
- * Heart FM 100.2 address 118 Parkes Road Nelson. (Andy McQueen)
- * Life FM on 95.7 Masterton.

Christchurch Report - courtesy of Simon Hill

- * Moo FM Cashmere High School on 88.2 permanently based in Christchurch & went on the air 20 July. 7am with alternating periods of easy-listening music & contemporary pop, plus news bulletins at 8am, 12.30pm, 4pm. The majority of listeners from 9am to noon, 1pm to 3pm were woman aged over 50, & easy-listening music & Jazz would be played at most times.
- * Radio Weka Waitangi Chatham Islands. Phone 03 305. 0143.
- * Chatham Islands Television PO BOX 121 Waitangi. Phone 03 305 305.
- * Community Radio 100.6 67 Tuckers Road Redwood Christchurch Phone 354 1005.
- * Active 100FM. Highsted Road Harewood Christchurch. Phone 359 4501.
- * Akaroa Bay Radio 100.2/100.8. 71B Beach Road Akaroa. Phone 03 304 7717.
- * In Akaroa was heard a station on 90.9. Not know name or location?
- * Lyttelton Community Radio 100.8. 53 London Street Lyttelton. Phone 03 328 9008.
- * Rivertown Radio 100.8. 176A Williams Street Kaiapoi. Phone 03 327 6007.

* Radio Yesteryear on 93.3 with Oldies format with address of PO Box 5, Umina, NSW, Australia. *B W*

* 5MPYFM 102.9 Oomawa South Australia opened 8/5/98 *via ICDX.*

* 2CCBFM Rhema Oranga NSW now on the air using 103.9. *ICDX*

* 2ZOOFM/T 103.7 Cobar NSW now on the air. *ICDX*

* Hawkes Bay TV has changed its name & direction to stay on the air & meet its obligations to former staff & creditors. The new name is called Sportschannel 55 & would screen from noon to midnight seven days a week. The channel would continue to work closely with SPN but would add local sports coverage when resources permitted - *Daily Telegram Napier*
* TV channel launched to hit the airways called Triangle TV will initially broadcast for 6 hours a day on channel 41 but plans a 24 hours a day, offering community groups access to TV for \$350 a half-hour. Started Free to air 1/8/98. *B W*

* Whangamata FM 90.3 on the air. Phone 07 815 6566. *G. Barclay*

FM/TV Trail:

20/7 ABSQ1 5pm to 6.15pm.

21/7 ABSQ1 8.35pm.

22/7 ABSQ1 10.35am, ABDN2 1pm, ABSQ1 7.05pm. *All from Brian Withers.*

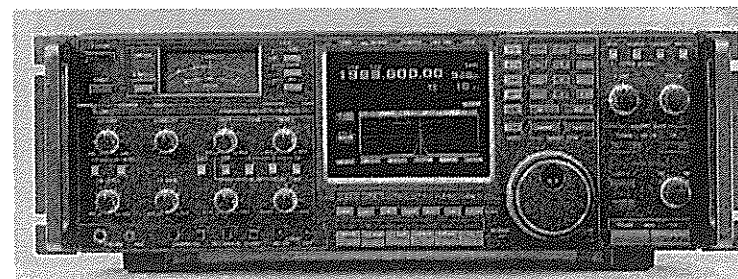
Send all items to:- P O Box 7072, Taradale, Napier or NZRDXL PO Box 2956, Wellington

MARKETSQUARE

For Sale: JRC535D Receiver \$1900 ono Timewave DSP599 Digital Signal Processor \$495 ono. Contact Mike Osborne, 8/340 Parnell Rd, (09) 366 7301, fax 366 7302.

For Sale: JRC545 DSP Receiver with wideband board. 100kHz to 2000MHz coverage, 1000 memories. The latest model JRC \$4695 ono. Contact Mike Osborne, 8/340 Parnell Rd, (09) 366 7301, fax 366 7302.

For Sale - ICOM R-9000



100Hz - 1999.8MHz, AM/SSB/CW/RTTY/FM, 6/2.4/.5kHz filters, S-meter, IF shift, preamp, notch, AGC, 1000 memories, bass/treble, clock-timer, NB, 2 VFO's, squelch, keypad, dimmer, multi-function CRT with spectrum analyser. An incredible "DC to Daylight" receiver. Mint condition, one owner. Manuals & circuits. As new. \$4000. Contact Norman Guscott 04 566 0005

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