



NEW ZEALAND DX TIMES

Vol 35 No 9

May-June 1983

- * SPECIAL MEDIUMWAVE COVERAGE OF DXPEDITION TO TE ARAROA
- * SAUDI ARABIA MEDIUMWAVE LONG PATH COVERAGE - A NEW WORLD RECORD?
- * RADIO EARTH INTERNATIONAL TO BEGIN TESTS SOON
- * MUSIC AND DX
- * AUSTRALIA-NEW ZEALAND CALLS THAT ARE DUPLICATED
- * RADIO 'RHEMA NOW ON AIR FROM NELSON
- * SPARC MEETING IN WELLINGTON
- * ABORIGINAL BROADCASTING
- * SPECIAL REPORT ON RADIO NYAB IN BHUTAN
- * PAKISTAN TRANSMITTER SITES
- * CONTINENTS RETURNS
- * EXCLUSIVE GUIDE TO SHORTWAVE RECEIVER REVIEWS
- * RADIO MJK 91 REACHES OUT
- * EXCLUSIVE MAP OF ARGENTINE BASE IN ANTARCTIC AND LRA36

all this, and much more inside this month in your DX Times, Number 1 in the Pacific and growing better!

**COSTA MESA
HAS A NEW
RADIO STATION.**



KWIK
96.7 FM

Each month when publication time comes around again, I sometimes wonder what the magazine is going to contain this time. The support from members is almost overwhelming at present, and I must apologise to those of you having sent in articles and items which have still not yet appeared in print. Communications in Wellington are in chaos with the airport closed for 3 days and no interisland ferry sailings as gales lash the capital... yet contributions this month are even greater than last month! Thanks everyone, for all your news and views!

People really make the hobby of DXing, as I found out recently on a DXpedition to Te Araroa. Some 10 keen DX listeners from all over the North Island and as far away as Melbourne gathered there for 5 days of DX over Anzac Weekend. From different backgrounds and levels of expertise in the hobby and cooking, this group all made an effort to help each other and enjoy not only the DX (which was superb) but also the company (which was also superb). Using surf casters to get aerials high up into trees, wading through streams, feeding fresh fish and chips to a very crafty cat and making some of the best mediumwave catches heard in New Zealand for years.

It proved that mediumwave DX is alive and thriving here in NZ. The special trail this month is certain proof. Some of the older DXers at Te Araroa confessed that the reception brought back memories of the late 1950s and early 1960s, when American signals flooded the dial. So we hope that our visit and our success will inspire other listeners to try mediumwave DX. In fact, a lot of interest has been expressed for another visit to Te Araroa later this year, and if you are interested, do write and let me know as space will be limited.

When you put your set on mediumwave and find nothing but locals and static, compare notes with the exotica of Te Araroa and wonder if it's all true... you should make it along to your nearest branch meeting. There you can question other DXers and find out how it's all done. It is clear that branches are growing in strength again, and DXers are sharing their expertise and company with others. At the recent SPARC meeting in Wellington, one member drove from New Plymouth just to attend it. You can always start your own branch instead of course!

NEXT CLOSING DATE is Monday, 13 June at noon. We again look forward to hearing about your DX news, views, your musings, verifications, logs, articles, your favorite programs and personalities...and of course, ladders... and newsclippings, branch news, articles, spare dollar notes, airtickets...we welcome you in your magazine! **REMEMBER** the **NEXT CLOSING DATE 13 JUNE** - don't be late!

e Mailbag With BILL HUDDLESTON of Auckland

When many of the major broadcasting stations, changed their policy, and the government of this country made the posting of a investment, I for one considered serious damage would be caused this has been far from the case. By following the new names in the month, and the many interesting verifications presented, we appear a new strength, and given a new value to that QSL card. Speaking a big welcome this month to, Ian Ross-- Brent Doncliff--and making their contribution to the page.

Many interesting QSLs are rolling in. With top of the again to Bryan Clark, in verifying Radio Time, Firenze Italy.

Auckland Has a lone but very worthy QSL back from Radio Time, Italy giving reports out to Adu Dhabi, and Hargeisa. Thx I'll be in touch

Falkland Islands Is now getting settled in on night shift at the Radio for the last two months has verified HJWJ 4910, Radio Milano Int. 90 RFE/RL 25690, SBC 25690 25780, Spain 15375, Buea Cameroon 4000, Benin 4870, VOFC 17890, sorry about last month, but your reach me in time. Hope you enjoy your new location.

In his first appearance in the Times though a member for quite a few reports of having sent out 11 reports with QSLs back from HCJB 15300, D/Welle 9735, Moscow 21670 21425, RNE 11760, Norway 11790, I regret space will only allow the printing of QSLs and stations reported. Many thanks,

Napier Since becoming a member in January has erected a 35m antenna with a home made aerial tuner, and a DR22 receiver, QSLs back, D/Welle --- Netherlands 9715, Austria 21490, RBI 21549, Prague Moscow 9780 Delhi 11620, REE 11750, NHK 11875, BBC 15070 Thx

Wellington has a good list of latins from R. Spendit 5025, 5, Faro del Caribe 5055+pennant, Ondas del Huallaga 3330+pennant, al 11815, R.Dif. Acreana 4885, Pampas 4885, along with Hong kong (and this time) Qatar 15505, Africa No1 15200. I regret the mix up but I have a little difficulty with your writing, Thx.

Westport. In his first reports to the page, tells us of verifying China 1800, Radio Japan 15235 while using a 3band receiver, please write again, we are always interested.

LD Australia has veries back this month from WINB 17730, Vatican 11755, VOA Monrovia 15600, Kavala 11925, Greenville 15580 Thx.

Patrick Auckland has placed her DX 160 on the pension and national Panasonic 4900E with loggings to date at 8 and QSLs back 5, Radio Bras 15290, Beijing 9860 many thaks for the info on SBC means reports of getting near the magic total of 1250 Sw veries, on his way are QSLs back from WYFR 7355, Bucharest 21525, e 15050, FIBS 3958 veri No92. glad to hear you enjoyed your long Araroa,

wer Hutt has 6 reports out and veries back from FIBS 3958, REE Madrid 11760, RN Bonair 9770, Thx.

E Under 9 Mhz

Radio Time Firenze Italy 6275khz 500watts 132Pts Bryan Clark

Over 9 Mhz

K. Denmark 25850 Khz 50kw 107 Points Alan Gilmour

Alan Gilmour Greymouth has been busy on other things for the last 3 months with only one report sent out, but never the less the post-person has been most kind bringing QSLs back from, ERT Athens 9420 12045, KYOI 15190 11900, ORF Vienna 15295 21615, Norway 21700, Denmark 25850, WYFR 17845, Vatican 6210, Kol Israel 17630 11610, BRT Brussels 6225, Moscow/ Armavir 21645, RM Irkutsk 21530, Erevan 21740, Frunze 11820, BBC Masirah 17770, R. Korea 15375, REE Madrid 11760, VOT. Ankara 9730 Bucharest 21500, RDP Lisbon 9740, HCJB 17825, R.Thailand 9655, HCEH3 R. Nacional Progreso 5060 (result of a follow up for a 1978 report) thats going back a bit, better late than never, nice going thanks Alan.

Noel Parry Invercargill for the last 2 months has been logging on a new DR 49 with veries coming back from KYOI 15190 15405 with further reports out to Falkland Islands, R. Universo Brazil.

Arthur De Maine Wellington has received QSL No 113 back from the Falkland Islands 3958 with a further two reports sent on their way. I hope you and your family are settled in your new home, allowing for the Wellington weather. Thx.

Desmond Arnold-Kelly Nelson Last month sent out 15 reports, but had little or no luck in trying to log 2FFF Radio Star or Dublin South, they say that most of the fun is in the chase, so your perserverence will pay off as with the QSLs received back from RBI 21540, AIR17875, NHK 21640, SBC 11940, VOFC 17890+ pennant and lapel badge, R. Prague 11855 + Monitor Club membership certificate, Kuwait 15345, Havana 15300, VOA 15290, RNZ+ pennant 15485, Spain 11760, Moscow 9805, Beijing 11600, thanks Desmond a very nice list.

Lindsay Robinson Invercargill Has 8 reports out for this month, and received verifications back from Bulgaria 15110, Pyongyang 11830+ pennant, Tirana 5058, KYOI 15190, KTWR 15350, WRNO 6145, Thanks, I hope you have a most interesting holiday in Australia.

Paul Ormandy Oamaru Finds it rather depressing to have 40 reports out to South America, and no QSLs back. As Bryan Clark once said 'The price in time and effort is great in logging South American stations, but so is the satisfaction when they finally turn up in your post box. The further 9 loggings, 2 new countries and 7 latins, should show good returns in due course. Thx.

Arthur Cushen Invercargill Has verified TWR Monte Carlo 6110, Havana 6020 15300, Bucharest 9550, R.Japan 15350, Vatican 6260 11965 9605 15120, WRNO 15355 R. Mediterranean International 5950, Vienna 9655 11665, Belgium 11625, Pakistan 17840, Thanks.

Brian Webb Upper Hutt has sent out 80 reports out over the last few weeks with QSLs back in from KTWR 11840 RBI Berlin 17830 21540 15170 9560, Kuwait 11675, WRNO 15355, WYFR 7355 6015 7355 11855, ORU (BTR) 6225 11695 15585 11965 15590, VOFC Taiwan 15345 17890, REE Spain 9570 9630, AWR Papeete 15170 3355, Noumea 7170, Ekala 15425 (special QSL), Sines 9670, HCJB 11925 9745 15175 6130 17825 11915 11835 11810, PJB(TWR Bonaire 15440 9535, Moscow/ws 9550 9670, Bulgaria, Greece 9865, Portugal 15105.

Peter Hurley Newmarket had a good month sending 47 reports on there way, having found conditions good this month, while receiving Beijing 6860, BBC Cyprus 3990 Beijing FFS-1 4045, Monte Carlo TWR 7325, WINB 17730 15185, Vilnius. Thanks Percy you have quite a nice list of loggings in your letter, but I regret that we normally only print verifications received, thanks.

Chris Hatton Auckland has QSLs back from RAI 7275, SRI 9725, AFRTS 6030, Dept of Defence card Pakistan B/c 21802 with no reports out this month,

Report

ISLAND of Wellington

attributed to the service (BBC-MS) is not to be reproduced.

h, the New China quoted the Minister of the century China up-to-date radio equal emphasis and foreign ser- vicing foreign sce- ing in 45-50 lang- the present 38. Sev- l shortwave trans- and a new techno- would be built for sign languages.

BBC MS 7/4

st new 500kW tx due l, first stage of a engineering scheme is the first of 8 stalled over five place four existing moved two at a total of 34 new silt at Rampisham, ng existing arrays. rt be used at first, ort Russian broad- RIB 5/83

ding to the Pana- 'Matutino', a Jap- presented to the ry of Planning and 1 4th April a pre- the construction stn in Panama. The was to improve the n in Panama by set- txs which would country, to portray e its image abroad onal transmissions. promote international Panama and other information supplied s (including Japan) smitters as a re- BBC MS 14/4

anon has registered rom 1st May: 1830- 100 15355; 0130-0330

RN MN 21/4

USA New applications are before the FCC in Washington for a construction permit to build shortwave facilities on US territory. A religious organisation in Texas says it wants to build a 50kW shortwave tx there and use a simple antenna with a gain of 10db to beam programmes to Europe. A commercial organisation based at a wine growing area of California has asked permission to build Radio USA, this is to be a 100kW tx with antennas beamed to Central America & the Caribbean probably in Spanish. Both applications still have to be processed by the FCC. RN MN 21/4

ISRAEL Effective 1st May Israel Radio has retimed the 1200 EE bc to 1100-1130 on 17630, 15585, 13745, 11610, 15605, 21495, 17685 & 15485. A nx bulletin in EE has been added at 1800-1815 on 17585, 13725 & 11610. DX Corner 24/4

BOLIVIA has registered with the IPRB 9505 For use 24 hours a day and 6055 1200-0300 for a possible external sce, both listed with 100kW. RN MN 28/4

SOMALIA The regional stn R.Hargeisa seems to have moved fq from 41 metres to 11639v 0958-1230 and 1500-1800. RN MN 28/4

COSTA RICA The 11th April edition of the newspaper 'La Nacion' carried an advertisement announcing a new radio stn "Radio Impacto", which would operate on 6150. Its studios would be in San Pedro de Montes de Oca, San Jose. BBC MS 28/4

"RADIO TRUTH" (hostile to the government of Zimbabwe): 0430-0500 EE 4902; 1700-1730 Shona and Ndebele (with some announcements and occasional items in EE) 4902. BBC MS

CAPE VERDE On 1st May Radio France International's African sce quoted a news letter published in Paris called 'Afrique-Info-Plus' as stating that a new African radio stn was reportedly under study. Its promoters were businessmen from the Ivory Coast and America. The stn would broadcast pxs on shortwave fqs beamed to Africa in general from Cape Verde Island. BBC MS 5/5

TUNISIA On 29th April, Tunisian Radio reported that, during a meeting with the Tunisian Minister of Information, President Bourguiba had expressed his satisfaction with preparations being made by Tunisian Radio for the broadcasting from 1st June of new pxs beamed on shortwaves to Europe and the Middle East. BBC MS 5/5

ALASKA KNLS expects to start regular programming 18th July. They plan to start a music tape with station identification announcements on air some time between 1st June-8th June subject to everything working. RN MN 12/5

Arthur Cushen's Shortwave Review 5

The use of 500kW transmitters by Austria, Czechoslovakia, Norway and Turkey this month has meant improved reception of their transmissions. Some problems at the May 1 frequency change J period has resulted in co-channel interference and Sweden has been advised by telegram of Russian interference and moved on May 16 to 17820kHz from 17825, 1100-1130GMT, to New Zealand in English. All times GMT, add 12 hours for NZST and frequencies in kilohertz.

AUSTRIA: Vienna provides excellent reception on 15270kHz 0700-0900 with English 0830-0900 using the new 500kW transmitter.

BRAZIL: Radio Anhanguera 4915kHz has provided good reception around 0300 with typical Brazilian music and is also heard at 0900 when reception is more difficult, due to sideband from VLM4 4920kHz.

CANADA: Four signals noted in the 49 m.band, CFVP 6030 heard around 0730, CFFX 6080 also noted at the same time; CKZU 6160 closes at 0805 and CKZN also 6160 opens 0830 now that Canada is on daylight time.

COLOMBIA: Radio Macarena now opens at 0900 with Colombian National Anthem and announces HJKT then 'Good Morning Colombia, Good Morning America'.

CZECHOSLOVAKIA: Radio Prague continues to test its 500kW transmitter and heard on the unannounced 11800kHz English 0300-0357, only frequencies announced are 5930, 9540, 9630, 9740, 11950, 11990kHz.

FALKLAND ISLANDS: Now opens at 1000 on 3958kHz and has music with the Break-Fast Show and according to BBC MS broadcasts continuously 1000-0230 with a frequency change to 2370 at 2030.

FRANCE: Paris providing excellent reception with their new transmission 0400-0500 with English 0415-0430 and 0445-0500. The other two 15 minutes in French. 7135 is the strongest signal, other channels 9795, 11735, 11875, 15155.

GREECE: Athens advises a late amendment to their May 1 schedule 0900-0950 on 15055, 17565 (replacing 17910).

ITALY: Radio Milano advises now on 7215 after trying 6181, 24 hours, also carried on 1300 MW and 101FM. Power 1kW on shortwave.

NEW ZEALAND: Radio New Zealand advises of a late schedule change, 17705 now closes 0510 opens 0520 on 11960.

NORWAY: Oslo moved from 6015 to 6020kHz, heard at 0600 but mixed with Paris. Heard with English 0700-0730 Sunday only to New Zealand 9590, 21730, 25615.

PERU: New station Radio Huanta 2000, Sr. Gervacio Santillana No. 445, Huanta, Peru, confirms reception with a long letter in Spanish and a card signed by the Proprietor and Administrator General. Station opened on January 12, 1983 and is on 4755kHz using 1kW and operates 0900-0230. The Proprietor is Senor Humberto Sapaico Salazar.

SEYCHELLES: FEBA noted on a new channel of 11840kHz replacing 11780 at 0415.

SWEDEN: May 1 Radio Sweden moved to 17825 from 21610 1100-1130 in English to New Zealand but suffered severe interference from Radio Moscow. Recordings and an International telegram were provided and the new frequency suggested 17820kHz was used from May 16.

TURKEY: Ankara very well received on 11740 0300-0400 in English, also uses 17760. Other English transmissions include 2200-2300 9615, 11740, 17760.

USSR: Now broadcasts a World Service in French, heard 0400-0600 on 11700, 11605, 11890.

VATICAN: Has retimed some English broadcasts 0500-0515 now on 6185, 9645.

TWAVE BANDWATCH

AEL POLLARD of Wellington

We are again with another instalment of Bandwatch. I am pleased to welcome several new contributors and the return of others - Peter, Liz and Rick, and Jim back on deck. For not identifying last month's contributors, but when you get a level of offerings, it is difficult to include everything!

	STATION, RECEPTION DETAILS	INITIALS
5	PAPUA-NEW GUINEA R. West New Britain. Good signal with islands music under Chinese station.	OC
5	PAPUA-NEW GUINEA R. Chimbu. Fair with talk & Jim Reeves mx.	OC
0	PAPUA-NEW GUINEA R. New Ireland. Poor-fair; native music.	OC
0	PAPUA-NEW GUINEA R. West Highlands. Good signal, pidgin and native music.	OC
5	PAPUA-NEW GUINEA R. Northern District. Clear sig, drum mx, native chants and time checks.	OC
0	INDONESIA RPDT2 Ngada. Good with music prgm.	RC
0	NORTH KOREA Pyongyang. Pleasant musical prgr. Fair level thru QRM. //2743, 2850.	JW
5	CHINA Beijing CPBS-1 heard under QRM.	PH
6	ECUADOR HCJB. Fair with spoken prgm in SS. Quechua earlier.	BC
0	CHINA Changchun PPBS. Weak, but regular.	PH
5	PAPUA-NEW GUINEA R. North Solomons. Pop mx, Pidgin, poor.	DMF
5	NIGERIA (Tentative location). Definitely African	PH
0	INDONESIA RRI Ternate. Fair to signoff 1415 after news.	RC
5	INDONESIA RRI Tanjungkerang. Good, ID 1405. Music prgm.	RC
0	INDONESIA RDK Lebak. s/off with full ID 2000, 22/3.	RC
5	INDONESIA RRI Manokwari. Fair-good, s/off 1400	RC
0	INDONESIA RPDT2 Situbando. Fair with music prgm, ID 1458.	RC
2	GREAT BRITAIN BBC. World news, very good.	JW
0	CHINA Hubei PBS. Regular but weak.	PH
0	INDONESIA RRI Ternate. Fair at signon with Koran chants.	RC
5	UNITED KINGDOM BBC. Strong, in German.	JB
9	FALKLAND ISLANDS FIBS noted 25/4 opening at this later time following end of daylight saving. BC AC OC EJ	
5	IRAQ Baghdad. Strong with pop music prgm//3368, good.	BC
10	GERMANY VOA Munich. Fair to good with Breakfast Show.	LR
16	CAMEROUN Bafoussam. Fair with EE news //4850 poor under Asian, 5010 poor.	BC
10	INDONESIA RRI Serui. Music prgm. ID & off 1300.	RC
20	INDONESIA RKIP Surabaya. Hrd to 1900 most days, but not positive ID.	PH
23	INDONESIA Ujung Pendang. Fair with music and news prgm.	JB LR
30	CHINA Xinjiang PBS. Uighur language prgm.	PH
30	AFGHANISTAN Kabul H/S. Not //3965, both regular and good.	PH
30	INDIA Hyderabad. Bad with English news 1730.	PH
30	PERU R. San Martin. Typical Latin mx, often announces as R. Tarapoto. Closing 0500.	AC
30	SOVIET UNION Khanty-Mansiysk. Always //4825, but listed stations for 4825 do not share timezone of stn on 4820.	PH
12	PERU LVdelaSelva, Iquitos. Fair level with 'aperturas' - opening annmcs and prgm summary.	PE
29	SOUTH AFRICA R. South Africa. News headlines in EE, fair. Also 4880 Afrikaans fair 22/4.	BC

FREQ MHz	GMT	STATION, RECEPTION DETAILS	INITIALS
4855	0603	MAURITANIA Nouakchott. Very strong in FF, with competition to win a camera. ID AS "Vous ecoutez Radio mauritanie" PH BC	
4870	1815	PERU OBX5P R. Pampas, Tsyacayo. Good, on all evng, past 1000G with many ids and 'huanyo' mx. ('La Voz Peruana para mundo') PO	
4885	0631	BENIN Cotonou. Fair. From as early as 1730 to 1900. PH	
4890	2020	COLOMBIA Ondas del Meta, Villavicencio. Poor-fair, noisy, mx prgm, with many t/cs. Full ID 0700, mixing kc/s with kHz. PE	
4915	0300	SENEGAL Dakar. Talk in FF to 2100 and ID, over PNG. RC	
4935	0130	BRAZIL R. Anhangueras. Brazilian music prgm. AC	
4975	0410	PERU R. Tropical, Tarapoto. Heard at fair strength to close 0500. /	
5010	0445	PERU R. del Pacifico. Now runs past 0400 s/off w/gospel prgm. AC	
5015	0545	CAMEROUN. Fair in French with music and talk. 0535 EE nx. OC LR	
5020	1045	BRAZIL R. Copacabana. Fair with Portuguese mx, ID 0615. OC	
5025	0548	SOLOMON ISLANDS SIBS Honiara. Strong in Pidgin JB	
		PERU OAX7Q'R. Quillabamba. Long s/off annmcs by YL then anthem. Fair on extended transmission. PO. Hrd at s/on 1054, full ID. PE	
++	5025	BENIN Parakou. Poor with highlife mx, f/out 0605. JD	
	5030	CHINA Beijing. FF nx, poor modulation. ID 1946. BC	
	5035	CENTRAL AFRICAN REPUBLIC Bangui. Good, FF mx, IDs 2000, 2015, 2030.	
	5039	SUDAN Khartoum. Monitored thru to this time 23/4 with local music, poor strength. /RC	
	5045	PERU R. Rioja. Good signal with Latin mx to s/off 0500. JD	
	5050	TANZANIA Dar es Salaam. Fair at close in Swahili with ID. AC	
	5055	FRENCH GUIANA Matouri. Music & talk programme BC	
	5055	COLOMBIA R. Sutatenza. Fair with many IDs to close 0400. LR	
	5055	CHINA Fujian PLA, Amoy. Fair. DMF	
	5070	CHINA Fujian PLA. Program 1 with opera, fair. DMF	
	5070	GUYANA Georgetown. Open with guitar int-sig, Hindi @ 0730. LR AC	
	5070	MOROCCO? R. Mediterranee Int., Tangier. Opens 0600. According to letter, sched & sticker station operates 0600-2400. AC	
	5075	ECLIVIA R. Pio Doce, Siglo Veinte. Poor 25/4 with mx and t/cs. PE	
	5090	PERU R. Huancayo. Hrd allnight, blocked 0720 by RNed. AC Hrd 0558 with many IDs. Listed as 500w! Later drowned by Brazil'n. PO	
	5095	GERMANY DW. News in EE, very good level. PA	
	5095	COLOMBIA R. Macarena. From 25/4 opens w/short annmcs, then "Good morning Colombia, good morning America" then anthem and full stn IDs (mentioning only MW outlet). Has dropped in freq so Brazilian on 5975 now clear at 0900 with gospel prgm. AC PE	
	5095	AUSTRALIA Lyndhurst. "Australian insight", very good. DMF	
	6005	GERMANY RIAS Berlin. Heard with jazz prgm on this clear ch. AC	
	6005	YEMEN DPR. Aden. In Arabic, but lots of QRM. PH	
	6015	CZECHOSLOVAKIA R. Prague. EE tsmns, hrd most days. Good volume but readability poor. JW PH	
	6025	BOLIVIA CP5 R. Illimani, La Paz. Good at s/on till abrupt audio off 0926 //4945, which carried a spoken prgm while this ch. off PO	
	6030	CANADA CFCX Calgary. Quite readable 5/5 w/good sigs incl "CFCX News" and Calgary wx. At same time; CKZU exc to s/off 0810, CKZN fair s/on 0830, both 6160; CFCX 6005 nx 0802; ckfx country mx 0605. Note that summertime now operating. BC	
	6065	BRAZIL RN Brasilia. Music and PP news, fair. DMF	
	6080	CHILE R. Patagonia Chilena, Coihaque. Fair w/prgm "Destape". Followed to well past 1303!	
++	6080	BRAZIL +NEW+R. Cultura de Porto Alegre. Good, clear. Mngprgm in Portuguese, hrd 21/4. PE	
	6090	LUXEMBOURG In FF weak and much QRM. PH. Strong 0545 GG. BC	
	6100	VENEZUELA 'Observatorio Naval Cagigal Caracas'. T/sig, fair. JB	
	6115	PERU R. Union, Lima. Good, start prgm 'Tierra Recunda'. PA	

STATION, PROGRAMME DETAILS	INIT'S
CANADA CHNX Halifax. CBC Radio w/light music. Covered by HCJB's variable s/on 0630-0645.	PO
ARGENTINA R.Malargue. Poor-fair with music prgm	PE
CANADA CKZU Vancouver closes 0805 after mx; CKZN St. John s/on with short news and weather 0830.	AC
VATICAN Frequent ID in various languages.	PH
PERU R.Oriente, Yurimagus. Good w/dual timechecks, ID "R.O." Latin mx and echo often. PO Dropped to freq and s/off 0400. AC	PH AC
GERMANY Bremen SFB-1. Now in clear with Vatican on 6185, hrd with uninterrupted music to 0600, then nx in GG.	PH AC
MONACO TWR. Very good w/int-sig and s/on in GG. Also noted with similar prgm at 1900. This my unid of last month.	BC
NICARAGUA LVde Sandino. Good peaks but erratic. Ute QRM. Full long EE ID. EE 1140-1150. (Time irreg.)	AC OC PE
CHINA Beijing. Strong in German.	JB
IRELAND R.Dublin. Heard for over 2 hours some nights.	PH
NEW ZEALAND R.Freedom. Poor- QRM, QRN, off 0708, on again 0711. ID as "R.Freedom/R.Star" and address, off 0715. 24/4.	OC
MONACO TWR Monte Carlo. Mustebox int-sig, 1800 s/on strong.	JB
FRANCE RFI. EE to 0430, ff to 0445, EE to 0500. 18/4. AC	OC
POLAND R.Polonia. Poor in EE to North America.	JS
CAPE VERDE ISLANDS. Noted w/fair, clear sig past 0850. Nx followed by long spoken feature in PP 25/4.	BC
GREECE VOA Kavala. World nx, musical prgm. Fair in EE.	JW
IVORY COAST Abidjan. Signon in French.	AC
CHINA Beijing. Transmission in Italian, good.	JB
TAIWAN VoFree China. News in English, poor.	DMF
CHINA Beijing CPBS-2. Regular and good.	PH
IRAN Kalamabad. Weak in Parsi.	JB
CHINA Beijing CPBS-1. Good // 9064, but this freq often QRM.	PH
GREAT BRITAIN BBC. "Network UK". EE, good.	TR
ISRAEL Kol Israel. News in EE, good.	EJ
EGYPT News in EE, good reception.	PA
SOLOMON ISLANDS Honiara. Nx in EE, later DW over. TR 0742	JW
CHINA Beijing. EE lessons to 1200.	RC
PORTUGAL R.Portugal with Nx in EE, good.	TR
NEPAL Kathmandu. Wx for Nepal, then feature to end EE 1520. AC V/s is honorary worker. // 5005 mixed, and almost as strong.	RC
AUSTRALIA Carnarvon. Wx rept & f/cast. QRM. Fair	JW
THAILAND R.Thailand. Fr-gd altho poor most nights. EE annmcs thru music chimes int-sig and then 2hr prgm in EE.	OC
AUSTRIA Vienna. EE pop prgm, very strong.	BJ
SOVIET UNION Kabul Relay. EE, suffers heavy QRM.	PH
PORTUGAL IBRA Radio. EE ID then Rumanian. Strong.	JB
BRAZIL R.Marumby. Good in PP, many clear ids	LR
INDIA AIR Delhi. State nx in EE, fair. Off 1140	RC
SWITZERLAND SRI. Good in English.	JB
PARAGUAY RNdeParaguay. Full ID at s/off. Hrd thru DW 9735 and strong het. 23/4.	BC
SOVIET UNION RMWS. World nx in EE, very good	JW
AUSTRALIA ABC. EE 'Parliamentary Report' // 9645, 9710 strong.	RJ
ISRAEL Kol Israel. Prgrm schedules in EE. Good	TR
BELGIUM Heard closing in EE, poor. Severe QRM.	RJ
BELGIUM BRT. Fair only in EE to North America.	JS
NORTH KOREA. Pyongyang. Political bdcst, good in EE.	JW
CHINA R.Beijing. musical prgm, prob.opera. VG//11330.	JW
CHINA R.Beijing. News In EE, fair to good.	TR
CHINA R.Beijing. EE service to SE Asia, good.	RJ
CHINA R.Beijing. Pleasant musical prgm. Good	JW

FREQ	GMP	STATION, RECEPTION DETAILS	INIT'S
11620	0100	BELGIUM BRT. Good with EE to North America. x-11625.	JS
11639	1734	SOMALIA Hargeisa. Fair in Somali to s/off 1758, but heavy QRM from 11645.	BC
11655	0500	ISRAEL Kol Israel. News in English.	RJ
11660	2030	NORTH KOREA R.Pyongyang. Talk-'Everything for the People'. Gd. TR	TR
11675	2030	KUWAIT R.Kuwait. Rock music & mirth, EE, good signal.	TR
11700	2200	DOMINICAN REPUBLIC. Voz del CID via Clarin. Exc sig ID 2205, then Clarin EE & SS IDs 2312.	RC
11720	0420	BULGARIA R.Sofia. Good with English to Africa.	JB
11740	0300	TURKEY Ankara. English 0300-0400 exc signal from 500kw!	LR AC
11760	0930	SPAIN SFR. News and music in EE, good over VOA	TR
11770	1415	SOVIET UNION RMWS. News in EE, very strong level.	RJ
11800	0300	CZECHOSLOVAKIA R.Prague testing 500kw in EE to 0357.	AC
11820	1042	SOVIET UNION RMWS. History of US interference in Cuba. VG.	JW
11880	0530	SPAIN SFR. EE documentary prgm to North America, very strong. EJ	EJ
11905	0545	GERMANY DW. Actuality prgms. DMF. 0600 to W/Africa, good.	RJ
12075	1200	MONGOLIA Ulan Bator. Commentary in EE, fair.	DMF
12095	2030	GREAT BRITAIN BBC. Religious prgm in EE, good	TR
14450	0750	ROUMANIA R.Bucharesti. Stn ID in EE, good w/prm in EE.	PA
15110	2100	INDIA AIR. News and comment in EE, good.	TR
15115	0100	AUSTRIA ORF Vienna. News in EE, s/off 0155. Fair to good.	TR
15120	0200	POLAND R.Polonia. Opens in EE to North America. Good.	RJ
15152	0100	SOVIET UNION R/S Peace & Progress. Fair in Portuguese.	JB
15240	0815	GUAM KTWR. Gospel prgm to 0830 at excellent level.	JW
15270	0830	AUSTRIA ORF Vienna. Excellent in English with 500kw.	AC
15300	2115	JAPAN R.Japan. Fair with 'Japanese Scene'.	DMF
15307v	0530	GUINEA R.Gonakry. Weak with YL anncg in FF. Heavy QRM from RMWS 15305.	PO
15310	2100	BULGARIA R.Sofia. Program on women in Bulgaria, fair.	DMF
15320	1615	UNITED ARAB EMIRATES Dubai. "Arab Encyclopedia" at fair sig.	DMF
15333	0300	COLOMBIA HJZP R.Nacional. Long operatic works with just one annmct between 03-0500, then s/off anncg //11792.	PO
15335	1215	INDIA AIR Madras. Tamil prgm, ragas, very good.	DMF
15335	0213	COLOMBIA HJZP. (refer 15333). Full ID in SS, very good.	BC
15395	2055	SPAIN REE. Spanish children's choir. Very good signal.	DMF
15425	2300	AUSTRALIA ABC Perth. Relay 6WF, news & music. Good.	TR
15430	0345	UNITED ARAB EMIRATES Dubai. EE svce, "Arabic Tales", strong. EJ	EJ
15474	0016	ANTARCTICA LRA36 RN Arcangel (Argentina). Hrd best ever 4/5 with mx, SS annmcs till closing, ID & 'Last Post' 0032. Good.	BC
16433	1950	KIRIBATI. Saturdays extends prgm to about 2400. VG (10kw?)	PH
17815	0943	SOVIET UNION RMWS. Light musical prgm, then world nx. Good.	JW
17820	1100	SWEDEN Stockholm. EE 1100-1130 now here ex-17825.	AC
21490	1033	AUSTRIA ORF Vienna. Listeners letters in EE, good.	RJ
21512.5	0145	PHILIPPINES FEBC. EE talk prgm about annrcs overseas postings.	BC
21685	2109	MADAGASCAR? RNederland. Good in English.	JS
25615	0130	UNITED STATES AFRTS. Ice hockey cmtry good//21570 strong.	JB

CONTRIBUTORS:

po-Paul Ormandy	pe-PAUL Edwards	lr-Lindsay Robinson	JS-Jack Searle
jb-Jim Benzoni	rc-Ray Crawford	ph-Percy Hurley	pa-Peter Armstrong
dmf-Deborah M. Fitzpatrick		tr-Tom Rushbrooke	oc-Owen Cullen
jw-Jim Webb	ac-Arthur Cushen	ej-Liz Jackson	rj-Rick Jackson
bc-Bryan Clark	jd-John Durham		

PLUS LAST ISSUE:

dl-Dene Lynneberg	bw-Brian Webb	cs-Cecil Symmes	sg-Steven Greenyer
	pa-Paul Aronsen		adm-Arthur de Maine

LOOK FORWARD TO HEARING FROM YOU ALL NEXT MONTH - 73s - Michael.

SHORTWAVE BANDWATCH

staff member from AWR-Asia made a visit to Thimpu, Bhutan, specifically B. The journey into Bhutan by bus was through the rugged Himalayan foot-
row and at times tortuous highway.

f Bhutan is 250 miles long and less than 100 miles wide, with a total
: 20 000 square miles. Most of the land is ruggedly beautiful, and there
red mountains to the north. In the southern jungles, there is an annual
ches.

on of Bhutan is three quarters of a million people, some 10 000 of whom
l city, Thimpu. This small capital lies at an elevation of 6 000 feet,
of one of the worlds exotic radio stations.

970, according to the WRTVHB for that year, a mediumwave station was
pu. It was intended to operate with 1kw on 1210 khz. However, this stat-
cted.

radio station in Bhutan is Radio NYAB, which is operated by the Nation-
on of Bhutan. It appeared suddenly and unheralded on the radio dial soon
was on the air initially for about 1½ hours each Sunday afternoon on
the later, a Wednesday evening program was commenced, on another frequ-

ted on a knoll just beyond and above the capital city, Thimpu. It is
rey natural colour cement building, which houses the studios, offices,
he single self-supporting steel mast is located on the side behind the
ing. The transmitter is a 300 watt unit suppressed to 100 watts.

adio NYAB consists of contemporary music from overseas, as well as some
s and vocals.

s all correct reception reports with a full data QSL card bearing a
ir address is Box 1, Thimpu, Bhutan. Their current schedule is: Wednes-
00-1400 GMT on 4620v khz; and Sundays 0600-0900 GMT on 7040 khz.

re 5 active transmitter bases in the capital city area of Islamabad/
north of Pakistan. These are:

the old shortwave base, located 15 miles east of Rawalpindi on the main
hore. This station has a complement of many transmitters, including 2 x
10kw. The antenna farm has 25 steel masts, carrying an assortment of
which are curtains. This base is used for domestic coverage, AKR Trank-
nal services. The first 100kw transmitter came on in 1968, though there
overed transmitters there beforehand. Islamabad new shortwave base, is
d one. It has, apparently, 5 transmitters; 2 x 250kw and 3 x 100kw. This
service in the mid 1970s, with an antenna farm of 54 masts supporting
ntennae including several curtains. This station is used mainly for ex-
awalpindi station is located on the western outskirts of Rawalpindi, and
mitters. The mediumwave outlet is on 1152 khz, the shortwave on 5010
323). The shortwave outlet began as a 1kw unit in 1951 and was upgraded
Islamabad has also, a 1 megawatt station located at Lawrencepur, 35 miles
towards Peshawar. This electronic giant radiates from a tall mast on
heard during the mid morning hours even in New Zealand. Murree and here
ices for coverage of Islamabad and Rawalpindi are co-sited on a hill
in-city area.

an Peterson, Director of Adventist World Radio (Asia), located in Poona,
teresting articles about broadcasting from Bhutan and Pakistan.

antarctica

CALETA CHOZA
Escala latitud media 1:5000

ESCALA GRÁFICA

DX CLUSIVE

In a recent edition of the DX Times, there was an article about Radio Nacional Arcangel San Gabriel, located in the Argentine Antarctic from Esperanza Base.

Using the call LRA36, the station has been heard widely in both New Zealand and the US.

There has always been some doubt as to the genuine location of the station, even though QSLs have been received.

In a bid to settle the location of the station for once and for all, the DX Times publishes this map of the Base itself. It clearly shows the studio building, (marked LRA36 6030) and radio antennae at the site.

The transmitter is located at Latitude 63°23'06" South and Longitude 56°59'48" West.

The map covers Bahía Esperanza, On Peninsula Trinidad, part of the Territorio Nacional de la Tierra del Fuego, Antártida e Islas del Atlántico Sur. It is compiled by the Naval Hydrographic Service of the Naval Commander in Chief and was first issued by the

Argentinian Government from Buenos Aires in 1981. Thanks to Phil Barton for this information.

RADIO EARTH INTERNATIONAL

According to reports, REI will begin experimental transmissions on 2 June 1983 using the facilities of Radio Clarin, Santo Domingo in the Dominican Republic. Broadcasts can be heard Tuesday-Sunday from 0330-0430 GMT on the frequency of 11700 khz. The program will be called "The World" consisting of feature type reports and some commercials. Rudi Espinal & David Konson (ex Belgian Radio) will be heard and the address for reports appears to be simply: Radio Earth International, Curacao, Netherlands Antilles. RCISWLD via J.Mainland

SPECIAL REPORT: WELLINGTON BRANCH MEETING

Despite galeforce winds, 8 members attended a joint NZRDXL/NZDXRA meeting held in the capital on 20 May. Those present agreed that SPARC meetings should be held in the future, and a special invitation would be sent to all DXers living in the Wellington area. Next meeting will be held on 19 June at 8pm, at home of Ron James, 4 Atua Street, Johnsonville. Discussion topic will be: reporting standards. The July meeting will be held at Mt Victoria, in the Chief Editors office. Featured topic will be Mediumwave DXing.

Observations, comment, opinion, questions and technical matters - all in the spirit of the DX hobby.

Museman Tony King

Dene Lyrneberg, Pukerua Bay says 'DX is beginning to pick up here with the approach of winter, and hopefully many Latins. Also a trip to Te Araroa should see some new loggings here. At present I'm doing the Victoria University Extension course in Spanish and so far it is proving very successful and valuable. I have finally cast off the old mantle of Eddystone and sold my 680X as well as my Hammarlund HQ180A and invested in a Drake SPR4 with frequency synthesizer. The digital world yet. The highlight recently in the mail was a QSL No.77 (anybody with a lower one). This made my 5. Incidentally, if you ever wonder who the QSL Editor is, here is my 5. I'm 34, work with BCNZ as a Senior Radio Technician, and I'm Filipina, and we have two boys and a girl ranging from 5 down. We've had too much time for DX these days.'

s from Arthur Cushen to find any member does not DXing Made Easy they do Jack Farrow c/- Wellington.....SPARC is studying the League list with the idea of a uniform list for the

Jack Searle, Haumoana, wonders why more members don't write to the DX Times. The contributions seem to come from a group of about 60. "This seems to suggest that only 1 in 10 members find anything of sufficient interest to tell others about. Can this be right? While the League and the Times would not be at the strength it is without the 'silent majority' I only wish others would write occasionally. C'mon everyone let's show the section editors what's going on out here, and send in 600 contributions to Bandwatch, with details of your receiver and aerial, and then report the QSL's when they come back! Many DXers use simple gear. My first piece of real DX was in 1936 when I logged KNX on a battery operated Sonora receiver which had 3 tuning condensers each of which had to be tuned separately. The antenna was a piece of 10 gauge steel wire with the necks of beer bottles as insulators! Great days, and a far cry from the fine equipment of today.

Auke Smaal, Tawa, believes the Times should use the correct international abbreviations and symbols otherwise our magazine is "degraded."

Frequency	hertz	Hz
Power	watt	W
Kilohertz		kHz
Megahertz		MHz
Kilowatt		kW
Megawatt		MW

just back from two weeks in the Found American Top 40 jock on KPRZ Los Angeles. set, GEC Superadio sell from \$155 to \$235 is \$38 ..A.

INTERNATIONAL DIARY FOR JUNE 5 Denmark National Day; Seychelles National Day; 10 Portugal National Day; 12 Paraguay National Day; Philippines Independence Day; 17 Iceland National Day; 20 Argentina National Day; 23 Luxembourg National Day; 25 Mozambique Independence Day; 26 Madagascar Independence Day; Somalia Independence Day; 29 Seychelles Independence Day; 30 Zaire Independence Day.

NORTHERN HEMISPHERE SUMMERTIME 1983

27 March-24 September: Austria, Azores, Belgium, Bulgaria, Canary Islands, Cyprus (Greek sector), Czechoslovakia, Denmark, Faroe Islands, Finland, France, Germany DDR, Germany FR, Gibraltar, Greece, Greenland (see note 1), Hungary, Italy, Luxembourg, Madeira Island, Malta, Monaco, Netherlands, Norway, Poland, Portugal, Spain, Spanish North Africa, Sweden, Switzerland, Yugoslavia. 27 March-22 October: United Kingdom and Irish Republic GMT +1; 31 March-30 September: Iraq GMT +4; 1 April-30 September: USSR and Libya; 3 April-24 September: Rumania GMT +3; 18 April-30 September: Albania GMT +2; 24 April-29 October: Bahamas, Bermuda, Canada (see note 2), Jamaica, Mexico (Baja California Norte only), Turks and Caicos Islands, U.S.A. (see note 3); 1 May-8 September: Egypt GMT +3; 8 May-8 October: Cuba GMT -4. Note 1: parts of Greenland (eg Thule) remain on Standard Time; Note 2: Saskatchewan remains on Standard Time; Note 3: Hawaii, Alaska, Arizona and Indiana (except Evansville) remain on Standard Time.

via Bryan Clark

PERSONAL CONTACTS WANTED

Steven John Taaffe, 621 Warren, Topeka KS 66606 seeks Australian or NZ DXers prepared to swap cassette tapes of local radio stations. Can offer 30 plus Topeka area stations, all formats, many in stereo FM. Promises 3 day turnaround for tapes received.

Jorn Harald Anderson, Postboks 1504, N-3001 Assiden, Drammen, Norway. Jorn is 18 years old, and lives in Drammen, a city 40km from Oslo. He works as Secretary for the DX Listeners Club of Norway which has 320 members.

Thanks to Bryan Clark and Arthur Cushen for passing these names on.

10th NEW ZEALAND JAMBOREE, JANUARY 1984

A DX Post will form part of the Radio Activities Program at the Jamboree, scheduled for the first week of January 1984 at Feilding. It is hoped to introduce Scouts to the hobby of DX, and encourage active interest.

League members living in the Manawatu are invited to help, and members involved in Scouts and planning to attend are asked to consider joining the Radio Activities Staff rather than be attached to a District Contingent.

For more details, contact DX Post Manager, Paul Rawdon, 11A Pukatea Street, Eastbourne, Wellington. Phone (04) 627 064.

SHORTWAVE PROGRAM SCHEDULES It seems that members make their own arrangements direct with stations for program schedules, and a bulk delivery scheme is not needed at this time. The suggestion was originally raised by a major international broadcaster which wished to reduce its mailing costs, so the concept may arise again at a future date. Thanks to the many members who wrote in with lists of stations in which they were interested.

SPARC NEWS Several suggestions have been made to affiliated clubs after a recent meeting involving DX Australia, NZRDXL and NZDXRA:

Countries List: this appears to be a difficult area, with the idea put forward for the counting of transmitter location. In the meantime, each member club will continue with its own list.

Funding: until now, SPARC has been funded by a grant from the NZRDXL, but it is now felt that a capitation fee of 10c per member out of existing income would cover costs.

Voting Rights: voting suggested is 1 vote for each club with less than 200 members, and 2 votes for each club with more than 200 members.

Contra Account: proposed to establish bank accounts in both Australia and New Zealand for SPARC. This will enable Australian members to pay into an Australian account to join a New Zealand club; and New Zealand members to pay into a New Zealand account to join an Australian club.

Branches should discuss these points, and any others relating to SPARC, and let the Administration Committee know your views. SPARC Secretariat

applied the following list
 ws following various info-
 from members. Most of the
 e either new or used in
 es for used models always
 should "shop around" for
 rld Radio TV Handbook

Q	Japan Radio
78, 1981	NRD 505 1980
81	NRD 515 1982
78	<u>Realistic</u>
81	
83	DX 300 1980
78	
80	<u>General Electric</u>
82	
82	World
81	Monitor 1983
82	

MUSIC One of the most enjoyable aspects of the hobby of radio listening, is that of being able to tune in to all different kinds of music from all over our world. As well as providing pleasure, a knowledge of music can also help identify which station you are listening to.

For example, music from Columbia is quite different from popular music in Venezuela which is also different from music traditional to Peru. If you can pick out what kind of music you are listening to, you may be instantly able to identify the station concerned.

There are several ways to find out more about music from countries you are interested in listening to. One is to tune in to a station from the particular country you want and listen to programs of local

music which may be featured. Another way is to have a look through some of your local music shops, and maybe buy a copy or two of some music from the particular country. There are several stores in New Zealand which specialise in imported music, and the Record Room in Christchurch has the best range that I know of.

Or you could do what I did recently. I recently attended a program of music here in Wellington which was put on by various Asian immigrants and cultural groups living in NZ. The music was performed with traditional instruments, and fully explained by the singers and performers. For several hours I accustomed my ears to music from India, Sri Lanka, Kampuchea, Vietnam, Indonesia and Japan. Some sounded strange, some just downright terrible to my western ears, but at least I now have a better idea of the difference in sound between music from India and Sri Lanka for instance. Also, it is good to share with other cultures, and learn something of their music. Not only am I now perhaps more tolerant of their music, but when tuning along the dial in the future, I will have a better understanding of what I am listening to.

So, take advantage of concerts and musical programs put on in your town by any of the varied ethnic groups which make up NZ.
 David Ricquish

WORLD COMMUNICATION DAY On Tuesday 17 May, the BBC World Service celebrated this event with a special edition of their "Outlook" program. A live broadcast took place at 1515 GMT, and was repeated at 1900 GMT and Wednesday at 0115 GMT. During the program, John Tidmarsh interviewed the Manager of Cable and Wireless in Hong Kong, the Radio Officer of the luxury liner QEII sailing off the Rock of Gibraltar and our own Arthur Cushen of Invercargill representing radio listeners of the world.

RADIO BOOSTS TOURISM Mark Nicholls of Queenstown recently sent a report to Radio 5AD Adelaide, and the station called Arthur Cushen for details about the hobby and life in Southland and Central Otago as it is promoting a ski trip to Queenstown. They are now using the theme "they can hear us, let's go and visit them"! Arthur Cushen

CONTINENTS LISTING

by Mark Nicholls

Hi welcome to the Continents Listing. There have been a few changes since the Continents Listing last appeared in the DX Times. It is now planned to have the Continents Listing appear every four months instead of every six as before and the editing of this page is now being done in Queenstown.

An asterisk * beside the Pacific (Pac) total indicates that you have verified Antarctica.

BROADCAST	A/NZ	PAC	S.Am	C.Am	N.Am	Eur	Afr	Asia	Cnt	Total	
Arthur Cushen	635	123	29	90	1072	134	29	454	153	2566	
Laurie Boyer	423	60	4	27	910	255	31	179	120	1889	
Ray Crawford	611	106	74	65	326	114	43	398	171	1737	
Eric McIntosh	596	74	4	6	323	64	6	134	94	1208	
Chris Martin (Aus)	203	66	11	46	259	79	43	152	156	859	
David Ricquish	391	86	5	13	194	6	-	49	60	744	
Barry Williams	201	32	4	15	236	19	7	105	73	609	
Bryan Clark	(Broadcast totals received blank)									101	584
Paul Ormandy	232	43	14	15	119	14	-	36	71	474	
Michael Smith	98	27	2	9	127	5	2	19	47	289	
Lindsay Robinson	187	24	4	4	37	3	-	15	29	275	
Jim Benzoni	177	17	1	3	48	-	-	10	25	259	
Mark Nicholls	96	8	-	1	38	-	-	2	12	145	

SHORTWAVE	A/NZ	PAC	S.Am	C.Am	N.Am	Eur	Afr	Asia	Cnt	Total
Arthur Cushen	307	398**	478	242	377	1937	536	1119	274	5394
Barry Williams	76	77	117	64	208	640	520	543	220	2265
Ray Crawford	121	72**	221	89	142	744	184	428	189	2001
John Durham	84	61	97	72	152	707	156	370	206	1699
Bryan Clark	142	52**	82	40	128	474	286	208	215	1407
Laurie Boyer	114	73	77	8	131	365	84	150	129	1002
Paul Ormandy	56	40	47	29	69	401	122	170	184	942
Lindsay Robinson	76	63	59	25	130	364	63	165	127	935
Eric McIntosh	77	82**	43	11	125	206	69	117	122	730
Jim Benzoni	57	46	30	30	77	225	43	124	112	630
Paul Schnell	5	8	14	5	6	63	4	30	52	135

Best African QSL's

On MW
 Michael Smith ZCQ 3 Seychelles 10Kw , Barry Williams Lorenzo Marques 917khz , Laurie Boyer Assuit Egypt 731khz 10Kw , Grahamstown South Africa 809khz 2Kw , Chris Martin Salisbury 1255khz 1Kw.

On SW
 Barry Williams Seychelles 4990khz , Laurie Boyer Rhodesia 3915khz 2.5Kw.

I guess there were only a few people with their best African QSL's as there was no mention of a featured Continent in last months Times. So for all of you who havent worked out or entered the Continents Listing before , now is the time as the evening get longer and you sit in front of the fire. Congratulations to Ray Crawford for 2001 (no not a Space Odyssey) on Shortwave , now for 2000 on Broadcast. Congratulations also to Laurie Boyer for getting 1000 on SW. The featured Continent for your best QSL's in September is ASIA.

tone in NZ Broadcasting has been reached with the opening on 26 of Magic 91 FM with studios located in Takapuna. From reports, the station has a very good coverage - even as far away as Wellington! David has heard them at an excellent level on the top of Paekakariki at his home QTH at Mt Victoria, Wellington. C.J. Hattan, Aucklanding was fairly low key with a brief announcement from the Prime Minister and a short feature on the development of AM/FM Radio. Furthermore, the Good News Trust has indeed lodged an application for a licence for the period 11-24 June. Their address is P.O. Box 1135 Masterton, Invercargill)

ailbag. First up is - LAND: Has logged and JK 91 MHz.

R HUTT: QSL from e.

WELLINGTON: One 91 MHz logged on ki Hill. Bet you'd yourself when you hear them at home! only an ear full of

WELLINGTON: QSL Active.

venot verified ems the only way is card. They are current 15 August.

months article on PHONIC transmission system conveys two channels. In our ionating from left

sound scene. Both AM and FM can accommodate stereophonic signals specialised transmitters and receivers. VHF (Very High Frequency) stations, it is necessary for the FM be carried on frequencies about 10% higher than the broadcast (AM) band. Like television which uses radio waves these waves do not like going over or through hills and the optical. For this reason, like TV, a permanent transmitter would be on a mountain top to get near the line of sight conditions to the service. Unless one lives close to a transmitter the waves become weak near the top of outside aerials again similar to TV types. If your reception you need an outside aerial.

During winter band openings, Brian Webb noted a trace of Australian FM during early April. Now that the quiet time of year has arrived, in future we'll feature some of the articles which appeared some years ago of particular interest to newer members of the League and will help you get the most out of the FM band. Any suggestions on topics covered in this section are welcome. Till next time, 73's Paul Rawdon.

AND (whose notes were sent to Queenstown by mistake!) has logged MJK 91 on Auckland 15/4 and requesting listeners to phone the studios. Address: PO Box 100 Auckland 9. Using full 50kw power for tests. Also heard test music from FM 89.4 since 19/4, but no announcements as yet. (Radio ROQ tests have been heard in Wellington!). Bryan notes that MJK 91 was heard at Te Kaha in the Bay of Plenty on 26/4, with improving signal on the drive to Auckland, and in mono above Ohope Beach and at Matamata. Perfect mono reception is heard. How long before MJK and ROQ are being heard in the South Island!

FM as a lifestyle

"We don't have any special opening plans," says sales manager John Duffy. "We're just going to come on — and be good." 89 Stereo FM hits the airwaves at 8.09am this Thursday with, Duffy says, some of the best stereo-FM facilities in the country.

"We expected a reach from Warkworth to Huntly but we found during testing that we have coverage from Whangarei to Hamilton."

Radio buffs as far south as Wellington with decent receiving equipment and some simple extras, are already listening to Auckland's first FM station, Magic 91 FM, and will this week presumably also be able to get 89 Stereo FM.

The coverage of the new FM stations will pose problems in audience research because neither BCNZ nor McNair actually measure the audience in their total broadcast areas. Says Duffy: "We are discussing new arrangements at the moment. But we definitely cannot accept available research."

89 Stereo FM (Radio ROQ) will play music 24 hours a day to listeners "whose lifestyle is typified most by people in the 18-39 years age group". Lifestyle is emphasised as more important than actual age. One aspect of the station's application which impressed the Broadcasting Tribunal was the comprehensive lifestyle research it did before applying for a licence.

"We'll be playing popular music," says Duffy, "but a wide variety of it. And since our research indicated that our audience expects to be kept up with current music trends, we'll also be playing the latest music. We'll be playing far less 'gold' material."

"The majority of our music will be from the past five years. Some people have said we'll be like Hauraki in stereo — but that's not true." The personalities may sound familiar with Fred Botica and Kevin Black taking the same slots as they occupied for so many years, but the emphasis is on the music at 89 Stereo FM, he says.

"We're providing a good news service though — on the hour from 6.00am to 6.00pm and also on the half-hour during breakfast and drive."

("NZ Listener" 21/5/83)

DX CLUSIVE seeing double

BY ADRIAN PETERSON

Throughout more than 60 years of broadcasting in Australia and New Zealand, there have been remarkably few AM stations operating with the same call sign on both sides of the Tasman. The few exceptions make an interesting story. The stations which have operated with duplicate call signs are 4ZR, 2XT and 2XL.

Although radio broadcasting began in New Zealand several months before Australia, calls allocated to New Zealand have been almost exclusively at the end of the alphabet rather than the beginning. Generally, NZ calls have consisted of a number 1 through 4, followed by alphabetic listings X through Z. There have been a few exceptions:

4AB Dunedin which began in 1922, and soon had its call changed to fit the more usual NZ pattern. Its subsequent calls have been 4ZB, 4ZD and is now known as 4XD Pioneer Radio. **2AB Wanganui** which came on the air in 1923. **3AC Christchurch** which was on the air during 1925 and 1926, using 10 watts on 1250 khz. **3AQ Christchurch** became part of 3AC in 1925. **5ZB** a travelling station which operated from sites all over NZ, based in a specially designed railway carriage during 1939. **VLDN Dunedin** was the unusual call for a station on air in 1925 and 1926, using an AWA transmitter at the South Seas Exhibition and operating on 790 khz with 750 watts. In those days, VL was a NZ prefix (now replaced with ZL) and DR obviously stood for Dunedin.

Over in Australia, AM calls have been allocated numbers 2 through 9, and in the alphabet range A through W. Amongst the exceptions are:

2XN Lismore which began with the amateur call 2CZ, at least when the station came on air on 1 May 1930. Just three weeks later, the call was changed to 2XN, reflecting the name of owner George Exton. The call was changed to the familiar 2LM some 6 years later. **3XY Melbourne** appears to have this call for no particular reason at all. **3YB Warrnambool** is called after the original owners, the Young Brothers of Ballarat. The station operated first from a truck and then from a train. **7ZL Hobart** has this call, but no reason has yet been discovered for its use. **7ZR Hobart** received its call to remain compatible with 7ZL, and the R stood for Radio.

This leaves just 3 stations in Australia allocated the same calls as NZ stations. These are:

4ZR The NZ station was located at Balclutha, using just 5 watts on 1340 khz, and on air in 1934 with a weekly schedule of 9½ hours. Australian 4ZR began broadcasting from Roma in 1937. It is not known why the Z was chosen, but the R stands for Roma.

2XT The NZ outlet was a limited licence station located at Takaka, and on air during the Christmas/New Year period 1982-1983. Identification was Golden Bay Radio, and it was on 1269 khz. The Australian 2XT was a 500 watt AWA station broadcasting from an Exhibition Train throughout New South Wales in 1925 and 1926 and using 1175 khz.

2XL This call seems very popular, having been used by two stations in Australia and now three stations in New Zealand. The first in Australia was located at Broken Hill, came on air in August 1931 and closed down 15 April 1932. This station used 50 watts on 1365 khz and closed down for financial reasons. The second 2XL is the familiar station at Cooma which came on air some 5 years after the Broken Hill station closed down, 1937.

In New Zealand, the first 2XL was a short-term warrant issued to Radio New Zealand for the period 19 March 1979-8 April 1979 and using 1kw on 1125 khz from Levin. Further such warrants were issued during 1980 and 1981. The second 2XL also operated on 1125 khz with 1kw from Levin, but was licenced to Radio Kapiti Limited, a joint venture between private radio and Radio New Zealand. However, this was only for the summer period 1982/1983. And, now a third 2XL is about to come on air. Radio Rhema has been granted this call for its relay at Nelson on 801 khz, using 1kw.

Apart from the third NZ 2XL and the second Australian 2XL, the duplicated call signs have rarely been on air at the same time. Of course, the correct call for NZ is ZL2XL, and for Australia it is VL2XL but in the absence of these prefixes, some confusion is likely! Thanks to Adrian for an interesting article, updated at the last moment by David Ricquish

I hope everyone is surviving the rough patch of weather we're going through, I suggest it may be a good time to sit inside listening to the Latins and Europeans in evidence. Methinks the Te Araroa crew may be re writing reports!! It seems that although the Yank season was unsuccessful scene may see a bumper crop what with Spaniards audible in our ears of Caribbean activity including what must be the first time Trinidad re for a long time. Getting on to the letters, this time we have 27 excellent!! Let's keep it up and try for 30 next time. Thanks to all who to the Mini-Trails although there was a meagre response this time, et of the Pacific next month will draw a better reply. I'm going to "ified Station" column so if you hear something you're not sure of our readers has the answer. O.K. let's dive into our healthy mail- h- 73's good DX, Paul Ormandy.

Wellington/Te Araroa

epid young men who spent Anzac weekend at Te Araroa on the East Cape VUV 648 ZK2ZN Niue 837 KUAM Guam 612 WDBG 580 WIUD 610 KEEL 710 KGNC 1080 WDCY 1130 KRGV 1290 KIFD 1350 KSD 1460 KBBQ 1580 KWCW 1600 OO XERPM R. Uno 660 XEG R. Melodia 1050 XEEP R. Educacion 1060 YVMJ La SRS Surinam 725 HJZZ R. Vision 1310 R. Paradise 825 R. Free Grenada e 1310 CHIN R. Surcos 1430 ZNS1 Bahama's 1540 ZNS3 810 R. Cayman 1555 SER Cordoba, Spain 1575 and one QSL and a long story... both David g logged KMTH Midway Is. 920 some 12 years ago on different dates. vid's verie on it and this was not discovered by David until just say "better late than never". P.S. Thanks for doing the Te Araroa

carqill

n the last two months on a new DR49 and rewards from WVUV 648 2KA 1560 and after 20 years of trying-XERF 1570. That's going back a long your luck must change some time!

Opunake

o 3CV 4SB 2GN 5RN 2BL 7ZL 68C Oman 702 Seychelles 1368 Egypt 621 & 2KY Noumea 666 2HD 2WS 2NC 2UE 3XY 2FC WVUV 3WN 2GZ and R. Fiji Suva ater certainly does light up the loop. Good DX.

Sam Island

reports out to Singapore 792 2KO 2AY 2UW 3CV 3DB 2KY 5AA 1ZB 1YA 1555 FEM Iwakuni 1575 8AL 783 2WL 2TR 3SH 3TR 4LG KICE 1080 4CA 4QQ/ varies from 2NM JQUB Akita 774 3HA 3WA 2PK. Tony informs us as to Island i.e. Antenna is a loop with pre-amp coupled to and ICF6U00 .ter. Very little noise from alternator although occasional QRM from iditions for Latins were quite good when he arrived but not so good oundr they were being saved up for Te Araroa) KFD was heard quite acific stations including most Hawaiians, and, Asians are best heard very interesting, any chance of stringing up a beverage???

Boyne Islander/Queenslang

rumming with logs of JQQ 1449 Chanthaburi Thai. 1030 Heilongjiang an FFS 660 Penang Malaysia 665 Vietnam Hanoi 660 2.P Auala 1251 JAT + Gwangju 747 HLAZ Jeju 1566 R. Mediterran Malta 1557 along with JSL's 3RU 145c 2KP 684 HLKA Seoul 711 3SH 1332 8DN Katherine transl. 765 J(via YNGR?) Tahiti 738. Thanks for your generous offer Ray, however, lude the return air-tickets! would love to holiday on the Capricorn dn't be interested in DX. Best wishes to wife and family.

noana

ast Cape visitors and as Jack says "resulting in one of my rather onto the medium wave bands which I found so enjoyable that for that was given a miss" has reports away to SRS 725 YJBI Vanuatu 1125 R. 774 Noumea 666 ZNS1 1540 R. Exito, HJ?? 1550 and Caribbean Beacon 1610 h the above, should swell the tally. No doubt you will be a starter p, maybe shortwave will take a back seat now you've been bitten!!

Chris Martin, Sydney/Parksbourne NSW

Makes us all green with envy with an impressive list of African DX after a DXpedition using a 2000m West and a 500m South-west beverage, logging the following YNX 750 XEEP 1060 Zanaibar 585 Mayotte 1458 San'a 715&381 Meru, Kenya 702 900 Nakuru Kenya 918 Moroni, Comores 1088 Dar Es Salaam 656 Shajah 1539 Reunion 666 Harar 945(?) Iran (un-listed), 1125 R. Mediterran 1557 St. Louis, Senegal 1306 Seychelles 1368 Sfax, Tunisia 1580 Bandar Abbas 1566 Iraq 1552 Lahore, Pakistan 630 Izmail USSR 1404 Iran (unlist.) 1350 Luoching BEU7L 606 Da Nang 606 BE540 Taipei 621 and Nador USSR 173 Longwave, with VL 1V 175J and 1692 verifying. How about parceling up a few Africans and sending them over. Maybe you'll make East Cape next time.

Steven Greenyer, Invercargill

Whilst 4YZ and 4ZA were off the air the opportunity was taken to log GWF KUKI 720 7HO 664 4GR and KAIM 970, also TWR Bonaire 800 R. Cayman 1555 LR11R. Univ. Nal. de la Plata 1390 WAKK 1380 and OAX4D R. Panamericana 960. Steven comments that 4ZA and 4YZ were off the air from 1200-1700 on the 5th-12th of May while 4ZG's transmitter was being installed. Hope we can help with "KTRU". Good DX.

Laurie Boyer, Invercargill

Still inundated with QSL's (though who's COMPLAINING) from WTRX 1330 WUFD 1400 WFOF 910 KBRT 740 KTYK 1460 KFIA 710 KOMY 1340 WISA 1460 KSBQ 1480 KABC 790 WMPG 1230 WILS 1320 WVOY 1270 WKZD 590 WKNR 1400 W8BC 1400 WTAQ 1300 WKBI 1110 WILL 580 KDOWN 720 WISN 1130 WRJN 1400 KEDD 1400 KENZ 1240 KRQY 1240 W0KE 1340 W0CS 1340 KUYZ 1230 KYTF 970 KUIK 1360 KRKT 990 KNND 1400 KEED 1450 VOA Munich 1197 Vatican 1530. You must be running out of walls! Congrats. on the large QSL increase.

Bryan Clark, Auckland/Te Araroa/Pauanui

Coming out of retreat with a whole buncha logs, namely WIUD 610 WPTF 680 WGBS 710 WWS 790 YJBI 1125 Sur Colombiana (?) 1160 KRGV 1290 KWFT 620 Sarnen, Switz. 1566 Cadena SER Spain 792 1584 1602 Saudi Arabia 1521 RNE Murcia, Spain 855 R. Paradise, St. Kitts 625 KAAM 1310 Emis. Fuentes (?) 920 WYOU 1550 and from Pauanui OAX4C Once Senta 1160 KGNR 1320 KTXZ 1560 WYNX 1550 HJBO R. Piloto 1370 OAX4D 960 OAX4X R. Victoria 780, no QSL's yet but it won't be long I'm sure. How's the family?

Paul Rawdon, Eastbourne

Reports nothing out this month out replies from 4RU and 4SJ 1610 logged on site, I hope you had a pleasant Jamboree. Heard magic FR yet??

Robin Chambers, Opunake/Te Araroa/Pongakawa

Loggings from home; Iuvalu 621 and from the Cape SER 1584 1575 1602 HJZI R. Fantasia 1550 KGER 1390 XEPNK Canal 88 680 KABL 960 Duba, Saudi Arabia 1521 WWS Surinam 725 ZNS (?) WIUD 610, at Pongakawa KLVI 560. My you've certainly been busy travelling, I hope Peter was't using your rig while you were away.

Bill Joller, Opunake/Te Araroa/Pongakawa

Comments that reports from home are sparse i.e. one-1XM Easter Rally station at Turangi whilst at Te Araroa loggings were made of 2AP WFAA 570 WWS 790 WCKB 1600 Radio Surinam 725 R. Cayman 1555 HCR03 Ondas Orenses 915 CHIN R. Surcos 1430 ZK2ZN 837 KNUI 1310 KFWS 980 CER Spain 1575 1584 1602 R. Paradise 825 YVMJ 580 CKNW 980 and others not sorted out yet, along with KLVI at Pongakawa. Must have been a memorable trip what with sharing a set with the famous DR!! Where is Pongakawa? QSL's on the way.

Michael Smith, Opunake/Te Araroa/Pongakawa

Yet another of the East Coasters with a swag of reports out to XERH R. Seis 1500 KKOW 860 KVAS 1230 (good!) KOIA 1310 KPRZ 1150 KFQD 750 KPAY 1060 WWS 790 KARZ 960 (now KOOL since March) WIUD 610 KDOWN 720 WGBS 710 KGNC 710 KFI 640 HJTU R. Reloj 1360 HJPX R. Olimpica 1480 HJEG Ondas del Valle 1130 ZK2ZN 837 R. Cayman 1555 G8Z4N E. Union 980 CHIN 1430 YVMJ R. Petrolera 1100 YVTI Catatumbo Int. 1360 and from Pongakawa KLVI. Thanks very much for your explanatory note, sorry to confuse you both. I'm a 'sparkie' by trade, nope to meet you some time! Thank's for KARN's address 73's.

Brian Webb, Upper Hutt

Reports are out to 1XM 1575 1YB Air Show Radio 1ZD 200 2ZA 2ZC 3AK 3RPH 1629 4XD 4ZW (would you prefer the transmitter instead of the QSL card? You are most welcome) QSL's from 1XX 1YB 1ZM 1ZD 2KY 200 2ZA 2ZC 3KZ 4KZ 4XD 5DN A3Z Fiji 558 VL2UV 1692. Ta

aside Oregon
 of late continues to be a little on the slow side but I logged a new thought you might be interested in; KSDP 840 Sand Point logged on 04 w/Rock'n'roll mx into jazz after id at 0530. Phoned station thru the managers house, as the station has no phone or electricity. The dept. and the station is currently operating on a generator with 250 hours from 1900-0900. The station is not on weekends. They mostly re-ran 670KHz. There is also another 10 watt relay at Dutch Harbour but I don't know the freq. Station has been on about a month and I have been signal way under WHAS early in the evening and didn't know what it rank's very much for that info. Other logs are KTXK 1450 KXXL 1450 series in from KLOK 1170 CKST 1070 KJLN 1190 and CFWB 1490. Is it possible a list of F.M. stations operating in the State's? It would be an when trying to identify some stations. Please advise as to price and

Invercargill
 land of Oz for ten days reports logs of 4QS Olimpica 1480 Mundial .Cadena 1360 KQWB 1550 and the postie left 4XA 531 and VL2UV 1692 , see if you can make it to the Copricorn Coast and Boyne Island.

Invercargill
 no KHTT 1500 and received a quick reply from ZNM. How many state's d Keith? Pipped at the post with WMAX, only 36 years late, have you

Invercargill
 ts out to the following 4JK 567 Olimpica 1480 HCCM1 R.Colon 920 1300 CMHU 1380 Panamericana 960 LR11 1390 AIR Rajkot 1071 VL2UV 1692 IO 910 RRI Palembang 1287 and while 4YZ was off the air on 720 2ML ifications in from HJW R. Uno 660 and JOXR 783. Thank's Arthur, a of logs, plenty of QSL's to come.

New Plymouth
 e recording logs of 2LM 2NC 2WN 4KU and rewards from 2HD B. Fiji suva 4K 2LH 2NC 2WN KOMA 1520. Pity you couldn't have hopped on the Te , never mind, all comes to he who waits.

Invercargill
 ew with letters on their way to 1XW BTC 3RPH Vatican 1611 UAE Dubai 774 Tahiti 736 and Tuvalu 621. QSL's have arrived from Vatican 1611 AE and BPH. A goo selection Eric, now for the other half of the Globe

Penang
 RGA 1510 YJ80 1125 KSSK 560 Penang 666 1X8 2TW 2XS 226 SAA 5A0 and h KBBB (NZ first) 1000 KABC 790 KFI 640 1XC ans 2XS. Yes, Sept. sh- m looking forward to it. Shall write soon.

Maru
 st with logs of KOFI 1160 R. Trinidad 730 R. Cairo 621 and KAJ 560 all a Nigel Robins W05FLT booster. Rewards have returned from KOMO 1000 rst report from NZ in at least 6 years and the CC is putting my y to visitors!). See ya all in two months, I'm off to spend a week

Arua
 MONTH***BEST OF THE MONTH***BEST OF THE MONTH***BEST OF THE MONTH***

Halls with
 KBBB Borger Texas
 1600KHz 500watts
 142 points
BEST OF THE MONTH

Arden with
 KOMA Oklahoma City,
 1520KHz 50kwatts 93 points
 es in the Senior section, one in the Junior. Remember, you have to lets see the competition hotting up.

BROADCAST TRAIL

Part One: The America's
 560 KLV1 Beaumont TX gd 0623 BW
 580 KFS Fresno CA gd w/CBS nx then id. and talk show 1000 PC
 600 KSDP San Diego CA gd w/live coverage of local elections 0515, Larry King show later BHP
 610 KRCR Memphis TN id at conclusion of rx 1006 mxd 2 others BHP
 730 T6L R. Trinidad, Port of Spain, fair w/ morning devotional and MOR mx, mxd unid. Heard from 0919-0943 tho dropped after 0930 PG
 760 OAX4X R. Victoria, Lima mx prog and softley spoken annc. 0451-0502 then Yank's faded in BHP
 810 KALL Salt Lake City UT Id. a PSA 0915 but quickly dis appeared under KNEW KR
 910 KRIO W. Allen TX exc. 0545 BW Continuous mx 0620 AC
 920 HCCM1 R. Colon, Quito id. as "Radio Colon Internacional" rare 1Kw Ecuadorian (sign of things to come !!) AC
 960 OAX4D R. Panamericana, Lima id as "La Respuesta Correcta" some EE pops & ads for Inca Cola peak-ing very gd 0531-0550 BPH Disco mx 0500 AC
 1020 YVRS La Margarita, Ascuncion gd on SE beverage 0725 BHP
 1140 KRAK Sacramento CA id as "KRAK 11-40 three in a row" clear 0711 CB114 R. Nac. Santiago w/Julio I glesias song, jingle and id 0510 despite 1143. QRM. Both BHP
 1160 OAX4C Once Sesenta, Lima numerous ids, ads 0527-0550 BHP
 KSL Salt Lake City UT ad for "Four ducks Lands of the book of Mormon Mexican Tour" 0715 BHP
 1190 KL1F Dallas TX gd 0500 BW
 HJCV R. Cordillera, Bogota mxd 0515
 1220 ZYJ450 R. Globo, Rio talks in PE few mx items 0537 BHP
 1260 ZYH455 R. Jupi, Rio occ. 0723-53 BHP
 OAX4E R. Inca, Lima s/off w/NA 0500
 1300 OAX4H R. Atalaya, Lima hrd past /AC 0530 w/mainly EE pops AC
 1320 OAX4I R. La Cronica, Lima hrd at s/off w/ NA 0500 AC
 KGWR Sacramento CA w/Ray Green host of "Talk radio 1320 KGWR" BHP
 1360 YVTI R. Catatumbo Int. Caracas w/ids between each track vgd 0600 BHP
 1370 HJDU R. Piloto, Barranquillo equal sig. w/reg HJXX numerous ads & ids 0629-0902 BHP

1380 CB138 R. Colo-colo, Santiago w/SS nx 0704 id 0711 then mx prog BHP
 CMHY R. Cadena Agramonte, Jaroni hrd closing w/NA over KTUF 0700 AC
 1390 LR11 R. Universidad, La Plata hrd on late 240483 but severe WRM from 4ZJ 1395 0515 AC
 1410 CFUN Vancouver, BC ids as "another time-capsule on 14 Cee-Fun" intro 1977 pops 0718 BHP
 1420 HJHK R. Relej, Manizales id 0438 but very mxd channel BHP
 1450 YVJJ R. Landia, Catic La Par id 0930 Latin pop mx BHP
 1470 YVJW M. Latina, Valencia pops by Abba, jingle, id 0923 mxd BHP
 CJVB Vancouver, BC nx&wx poor 1230 IN
 1480 HJPX R. Olimpica, Cartagena the best Latin although only 1Kw some recordings made were of almost studio quality 0500 AC
 KYGS Merced, CA id as "KYGS plays you the mx 24hrs a day" on top 0827
 1500 KRTT San Jose CA ex-KXRA id as "I'm Black America" 1225 id 1230, light mx w/relig. plugs till 0100 then KC(?) network news and 0105 'University Inquiry' KR
 1540 ZNS1 Nassau, Bahama's reaching good level at 0430 JS
 1550 WYNX Smyrne, GA apparent s/on w/nx, wx & inspirational mx o/KQW3 1029 (great log!-ed.) BHP
 1555 R. Caymans, sign off w/GSQ at 0430 AC vgd at s/on 1100 BHP
 1550 ???? R. Exito, Colombia almost Hi-Fi on peaks 0430 JS
 1560 KTXZ West Lake Hills TX id as "K-Texas" 0502 then BYL BHP
 1570 XENF Acuna, Ranchera mx then S5 id and EE id at 1200 followed by "Radio Biola Hour" MN
 1580 KDAY Santa Monica, CA R&R mx w/id as "KDAY commercial-free music for the whole night" MN
 KNIX Tempe AZ very strong 0549 PC
 1600 KCRG Cedar Rapids IA Tpo 40 mx and competition details 0612 MN
 KGST Fresno CA SS mx and annc. 1200"
 1610 Caribbean Beacon, Anguilla easy copy any day 0440 JS

Part Two: The Rest of the World
 549 PRC very strong 1610 PC
 556 VRH R. Fiji, Suva vgd at 2300 JS
 585 N8C Pt. Moresby suprisingly early reception 0607 w/Pidgin talks Fair all alone BHP
 X 590 KSSK Honolulu HI v. strong 0657 PC
 1950 JACRBT comp as 0925 MN

strong 1500 PC Batra III w/"Sowt al og. incl. drama, mx, nx & ary 1840-1920 vgd PO y, Funafuti strong 0738- id at 0745 RCh go v. strong 1508 PC DM/YL annrcs w/nx 1239 gd at 2330 JS/MN unning equal strength sa at 0445 //855 BHP u HI strong 0816 PC v. strong in AA w/West- chimes and Big Ben 1800 r, pr-fr 1818 gd by 1850 855 PC Suva fair 2315 JS fair 0447 hetting w/Peru ken prog //684 BHP u, daylight DX JS u, Wallis Is. loud and /FF annc. Island mx (earlier??) BHP eychelles v. strong in FF r 1739 PC s-Zawr, extremely strong still audible 22 minutes sunrise. PC/hrd till 2130 183 SG Carlo OM annc FF pr 1912 hrd until 2100 SG/MN lk Is. w/RA nx relay 0500 r, accordion mx poor 1857 r network, peaking fr/MN st 0500 but deep fade // nder which station?) BHP lo, w/RR from 1845 pre- y Int. Sig., hrd until ick verie by airmail ER y, "Radio University" id l at 0844 s/on n.f. ex gd BHP	Well that brings us to the end of a most comprehensive trail and Te Araroa proves its value on the next 5 pages. Now here is a comparison, our two Aussie chums have produced the following. 565 Zanzibar, o/USSR YL w/nx in Swahili 1800 fair 594 Malawi, in clear w/EE nx 1900 621 Voice Of Asia, Taiwan w/Id in Indones- ian as "Suara Asia" 1800 648 Jeddah, Saudi Arabia o/ABC w/Am nx gd 2000 656 Dar Es Salaam, Tanzania gd in Swahili nx hetting DPRK 1800 666 St. Pierre, Reunion w/disco mx o/Noumea -s open carrier 782 Meru, Kenya gd w/Swahili nx, new tr- ansmitter 720 Zakaki, Cyprus fair mxd Iran, OM AA nx id as "Huna London" BBC relay 747 HLKH Gangju, gd w/id and talk prog, 1600 RC 791 Nombasa, Kenya gd w/Swahili nx hetting w/Saudi Arabia 846 Egypt(?) gd w/Koran 1750 854 Harar, Ethiopia gd w/OM in Amharic prog 1755 900 Meru, Kenya gd in EE w/choir singing t/c at 1730 918 Nakuru, Kenya fair u/2XL's open carr. in Swahili 1900 981 San'a, Yemen fair w/id and AA nx 1900 1124 El Beida, Libya fair w/AA military speech 2000 1125 Bandar Lengeh, Iran id and Chimes, WA then AA prog 2030 1251 Dubai, UAE vgd OM AA nx reader id as "min Dubai" 1800 2AP Auale, nx in EE 1735.1359 exc RC 1350 Iran(?) vgd AA prog 1915 1359 R. Peking CP851 Exc at s/on 2000 DC RC 1360 Kirkuk, Iraq vgd AA nx 1900 1368 St. Louis, Senegal mxd w/4LM, in FF not Seychelles! 1945 1456 Pamanzi, Mayotte fair in FF 1730 Malé, Maldives late s/off id and NA on 270° bev. 1800 1539 Sharjah, UAE go w/AA mx prog. 1715 RC 1557 R. Mediterran, Malta gd Am 1800 RC 1566 HLAZ Cheju, gd w/RR relig. prog 1500"
- THE REST OF AUSSIE*** vgd w/ABC prog 1121 PD reception 0007 PC Bay, u/4KQ fair w/ABC 202 PD e, fair w/light mx o/4YW e, v. strong w/opera PC e, gd w/pops id as "5 Rad ic" PU/v. strong 0846 PC fair mxd 4AY 1111 PD e, Top 40 mx mxd w/32M MN e, Easy Listening/BFL mx gnal 1730 GN e, w/classical mx then view way over 1XP 0909	Contributors were, BHP=Bryan Clark and Harry Weatherly at Pauanui, MN=Mark Nicholls RCh=Robin Chambers, PC=Peter Chambers, ER= Eric McIntosh, KR=Keith Robinson, RC=Ray Crawford, BW=Bill Woller, JS=Jack Searle, AC= Arthur Cushen, PD=Paul Ormandy and all those uncredited Africans etc are the envy of many but the luck and skill of Chris Martin who spent Anzac weekend at Goulburn using a 2000m @ 270° and a 500m @ 230° aerial.

DX SPECIAL te araroa

<u>Pacific</u>		
540	ZAP	Kuutoi, Western Samoa advert for Air NZ flights to Auck- land and Tonga 1745 clear; "2 minutes to 12" t/c 2258 Samoa mx, female DJ exc.
550	KAVI	Wailuku, Maui noted with JJ mx and anncts 0620, vgood
558	R Fiji	Suva ID "This is Radio Fiji One" female DJ in EE 2250, noted 0910 in Chinese with female DJ, CC mx on 22/4; groundwave all day at local level
585	NBC	Port Moresby EE interview about coastal protection services, good, 0950
590	K4KK	Honolulu, Oahu regular every evening thru 1615 fadeout, noted with "Herpaway" ad at 0625
612	KUAM	Agana, Guam w/early morning DJ Wanda, pop mx, adverts, and "KUAM 6-12" IDs 1425- 1455 mixing with 4ZF
620	KIPA	Hilo, Hawaii heavy rock mx, 0826, PSA and ID 0832 good
621	Radio Touvalu	Funafuti w/older pop-MOR mx 0345, even better 0635 w/local island mx; EE ID 0700 then Radio Australia news relay, very good
630	ZK170	Rarotonga, Cook Islands hrd under 2YZ w/female DJ in Cook Islands Maori 0550, fair but steady signal
639	R Fiji	Dressa v strong in Fijian, 2317, groundwave all day
648	WVUV	Pago Pago, American Samoa in all day with groundwave, ID "good afternoon, it's exact- ly 3 o'clock - Number 1 in 3 time zones in the South Pacific this is the Great 648, WVUV in American Samo-" 0200, then news and request program w/female DJ in EE
666	FR3	Noumea, New Caledonia local strength w/groundwave all day, FF female DJ, light FF mx 2315
690	KKUA	Honolulu, Oahu "Morning Show" 1652 w/ads for Colgate, Safe- way and Gem Drugs, Pioneer Federal exc at 6:52 am local Hawaiian time; "You're tuned to Americas' Request Oldies Show - Solid Gold Saturday
720	KUAT	Night on KKUA" ID 0823 vgood Eleele, Kauai ID "Right here on 7-20 KUAT" 0632 mixing over KDWV talk; good over KDWV 0816
738	Radio Tahiti	Papeete always local strength mid-late afternoon, 0550 with female DJ in Tahitian and local mx incl tamure
760	KGU	Honolulu, Oahu ID "Talk Radio 76 KGU" 0901 mixed KEMB; good 1112 still mixing w/KEMB
774	R Fiji	Suva noted all day w/ground- wave; in EE and Hindi, exc
837	ZK2ZN	"Sunshine Radio", Alofi, Niue female DJ w/EE PSA about local power shutdown, recent EE pop mx fair-good on peaks thru 1YX-1YK 0615-0632
870	KAIM	Honolulu, Oahu "Songs in the Night" 0930 strong; noted in SS with excited male speaker 0815 exc strength
900	KNUI	Kahului, Maui noted with exc Hawaiian mx program 1445
940	KDEO	Waipahu, Oahu c/w mx 1450 vg
970	KPUA	Hilo, Hawaii exc with news bulletin 0903, mixed earlier, good 1345 also
1080	KZMT	Honolulu, Oahu local weather 1414 then talkshow, mostly under 1ZB, poor
1110	KHEI	Rihei, Maui noted w/Filipino mx, adverts, good 1450
1350	KIPO	Lihue, Kauai vpoor in Filipino way under 12C 1457-1512
1359	ZAP	Toga, Western Samoa strong in Samoa, mx 0625
1500	KURU	Honolulu, Oahu with Beautiful Music, exc 1345 and 1455
<u>Caribbean and Central America</u>		
555	YTC	Radio 19 de Julio, Chinandega ID "Radio 19 de Julio 555 kilociclos, Nicaragua libre" 0557 then s/off; later s/off 0604 also noted, good
590	CMCA	R. Rebelde, La Julia, Cuba SS strong 0450 // program on 600
600	CMKA	R. Rebelde, Urbano Noris also strong 0450 in SS, mx, talk
660	XERPM	La Tropical de Oro, Mexico City, many "La Tropical de Oro" IDs between ranchera mx, adverts, strong/clear 1210- 1220 noted 26/4 only

Juan, Baja California w/EE temporary mx, adverts for Beautiful Car Wash, Draper and \$38 pushbutton telephones 1244-1507, many San ego mentions, ID "The Big 90" excellent signal often ribbon Beacon, The Valley, guilla noted with gospel mx 1610 but weak 0425 on 24/4 ly

ngstown, St Vincent noted w/ male DJ s/on 0959 v weak d soon faded

Sandino, Managua ID 0526, litical speech and full ID 34; also noted fair SS 1025 d good 1117

Reloj, Guanabacoa, Cuba, news male-female DJs 0520, and 0525

Canon, Cd. Juarez, Chihuahua, s "Radio Canon", Californian one numbers in adverts 1044 eepert, Bahamas, tentatively ard with apparent same soul program as ZNS-1, 0624 on /4 only; way under 4YA

essterre, St Kitts s/on 0859 n gospel, difficult; also ard 0928-0945 with gospel and calls to listeners in .Lucia, Antigua and Tortola juana, Baja California fair-od SS 0645, s/off w/Mexican tional Anthem 0702

s Mochis, Sinaloa, good peaks 58-1306 IDs as "Radio Mochis" io 95, Tijuana, Baja Calif- nia vg in SS 0630

Mexicana, Cd. Juarez, Chihuahua, top 0711 w/ID "Escucha Radio xicana"

T de Monterrey, Monterrey, evo Laredo exc SS 0550

. Georges, Grenada often vgood reggae mx just after 0400; cented male DJ w/ID "You're stening to the Voice of the orles Revolution"; soft soul also heard, but lost to DF between 0430-0500 nightly Melodia, Monterrey, Nuevo Bar- o "Music of Your Life" pro- am ID heard 0540, adverts r "Blue Soul Music Collection" ood, 0559 also with adverts

1060	XELP	R.Educac'on,Mexico City, jazz and Broadway Shows mx in EE, strong 0556-0610; also 1120, noted mixed KPAY 1005
1220	XEB	La Grande B de Mexico,Mexico City v strong 0636 "viva la musica de XEB, La Grande B de Mexico" ID
1310	FR3	Fort de France,Martinique s/on 1000 poor FF; disco mx and "Radio Martinique" jingle ID briefly on top 1006
1380	XECO	R.Eco,Mexico City heard w/SS s/off anncts and Mexican NA 0558
	CMHY	R.Cadena Agramonte,Jaronu, Cuba with ID "Radio Cadena Agramonte" during mx 0632
1430	CMIN	R.Surcos,Moron,Cuba usually excellent signal from 0330, heard w/full ID "Radio Surcos Ciego de Avila, Cuba" 0400; also heard w/German pop mx 0350 and mention of German Democratic Republic;s/off 0659
1440	GM..	either new unlisted Cuban or power increase for CMCL, often heard with Radio Surcos pro- gram //1430 around 0410, vg
1500	XERH	R.Seis,Mexico City good 0507 w/IDs "R-H"
1540	ZNS-1	Nassau,Bahamas excellent w/ EZL/soul mx nonstop 0431-0500 then "Radio Bahamas" jingle ID and "Bahamas Radio Network" ID, news,weather, sea condi- tions for NorthWest Bahamas then back to mx
1555	Radio Cayman	Gun Bluff,Grand Cayman,Cayman Islands w/light mx 0411-0428 chimes,accented male DJ with full s/off ID "This is Radio Cayman...",national song then God Save The Queen; s/on 1100 good, "Morning has Broken" light mx held thru 1125 poor
1560	XEFAJ	La Consentida,Mexico City w/ annct 0544 "musica ranchera La Consentida"
1570	XERF	Cd.Acuna,Coahuila providing almost local level service w/ Bill Mack and c/w music thru late afternoon-mid evening
1580	VOA	St.Johns,Antigua earliest in at 0312, jazz 0330, VOA News in EE 0355, ID and s/off 0400 often very good level 0330 on with EE service to Americas

1610	CE-A	Caribbean Beacon,The Valley, Anguilla, hrd from 0314 with EE gospel, later SS, full ID with s/off 0500, back on also strong 0845
<u>United States and Canada</u>		
560	KIMI	Beaumont TX good c/w mx 0555
570	WFAA	Dallas TX good 0545, IDs and interviews
	KLAC	Los Angeles CA good w/ID as "KLAC Los Angeles" over disco mx 0829; also hrd w/nx 0603
580	KMJ	Fresno CA w/ID "This is Ray Blain at TalkRadio 58, KMJ Fresno" 1035 good; 0840 also Topeka KS ID 0530, adverts for International Harvester, Royals Baseball Network 0922 v strong with rock mx
	WIBW	Orlando FL news,local adverts 0505 weak mixing SS
600	KOGO	San Diego CA "This is the Radio Magazine KOGO San Diego" ID 0805, then Larry King Show, also good 0558
610	GJOR	Vancouver BC, fair, mx 0850
	KFRC	San Francisco,CA promo for "Rock America 83 for the March of Dimes" 0940
	WIOD	Miami FL w/baseball match on Baltimore Oriols Network, ad for "Ed Moore Chevrolet sells more cars than any other dealer in Florida"; "WIOD Miami" ID 0500; Talk show 0520
620	WSUN	St Petersburg FL w/"62-SUN" and "SUN Country" IDs 0515, v strong level
	KWFT	Wichita Falls TX hrd to s/off 0610 w/SSB; also s/on 0930
670	KBOI	Boise ID strong 1243
	WMAQ	Chicago IL country/western mx, ID "stay tuned for news on WMAQ" 0552, clear
680	WTFE	Raleigh NC ID 0500, then NBC news
	KNBR	San Francisco CA dominant here later in evening
690	CBU	Vancouver BC light classical mx 0844, full ID and s/off 0900 mixing KKUA
700	WLW	Cincinnati OH w/"WLW" IDs 0900 then news; exc by 0910
710	KMPC	Los Angeles CA w/Larry King Show 0545; nostalgia mx with female DJ 1120 "on 7-10 KMPC" and artists like Inkspots and The Highwaymen, strong

710	KIRO	Seattle WA w/news 1010-1036 fair, mixed others
	KGNC	Amarillo TX with c/w mx (Anne Murray,Crystal Gayle etc) and many time/temperature checks "44" at KGNC" often dominant 1015-1021
	KEEL	Shreveport LA surfaced for a brief ID as "7-10 KEEL Shreveport" and temperature check 0529 but soon lost in mess
	WGBS	Miami FL with own news,weather, then talk show 0602 mixed
720	KDWN	Las Vegas NV ID "This is K-Dawn Las Vegas" 0800 with KUAI, also w/"West Coast AM" talk 0905 good and over 4YZ 0950
740	KTRH	Houston TX with Epilepsy PSA during break in Larry King exc level 0929, CBS News 1000
750	KFQD	Anchorage AK noted w "KFQD" ID 1230 and MOR mx good
	WSB	Atlanta GA with "WSB Radio" ID 0600 then NBC News, fair
760	KFMB	San Diego CA w Simon and Garfunkel Concert 0901 mixed KGU
770	KOB	Albuquerque NM w/ID as "KOB Albuquerque. This is New Mexico Pioneer Station" 0907
780	KROW	Reno NV ID as "KROW" Good Morn- ing" 1010 dominant, also 0525
	WBBM	Chicago IL w/IDs as "WBBM News Radio" often 0911
790	WNWS	South Miami FL "the most listen- ed to news in Florida", local wx, ID "WNWS WeatherWatch" and phone numbers for Miami, West Palm Beach,Broward County list- eners dominant 0505-0510
	KABC	Los Angeles CA jingle IDs and promos for "Talk Radio AM 79" 0500
850	KOA	Denver CO t/c and spot for "Goodwill Industries of Denver" ID 0922
860	KKOW	Pittsburgh KS w/ID as "K-KOW Pittsburgh,Kansas" then CBS Nx 0900, also heard with Herb Jepko Show and "KOW Country" ID 0807
	KTRB	Modesto CA fair,blues mx 1255
880	KRVN	Lexington NE, strong w/gospel 0515, also good 1151
910	KRIO	McAllen TX w/jingle IDs, MOR mx 0638, fair 0530
	KNFW	Oakland CA mixing others 0944- 1005
	KOXR	Oxnard CA also mixed
	KJJJ	Phoenix AZ mixed here with others 0944-1005

Rock AR w/ID 0635, "KARN
er" 0658, fair
ngeles CA strong ID 0634,
ropped c/w mx for oldies
s and 70s
o CA noted 0650, "KFRE Ste
4 AM Fresno" ID then ad
adioWest stores, strong
nd CA good 1327-1335 with
usic
land OR fair 0855, c/w mx
Westminster BC, good 0826,
0900, excellent 1237
ngeles CA noted good, 1253
le WA, strong, dominant

ngeles CA, SS exc 1320
sburgh PA w/ID and talk at
thru KTNQ
ar WY noted, good 1105
o CA, vg 1310, mixing XEEP

delphia PA w/"Philadelphia
er" 0931 and "KYW News"

releans LA w/ID 0630 as
30,000 watts, WNOE New Or-
s"
ary AB, briefly on top 0901
le WA "This is the New KING
, All News all the time" ID

land OH, commercials and ID
' vgood 0613
a NE, NBC News 0730, PSA for
ernment Security Stock"
report LA "It's a minute &
lf past 3 Central Time, this
WH Shreveport" ID 0801½,
usic, excellent signal, also
famous "Hayride" program at

neapolis MN brief ID caught
r Vitamin C PSA 0458, but
lost to KWKH and others
amento CA, good 0830-0835
ngeles CA, vgood w/Larry
Show, then ID 1200
as TX, fair, mixed, 0500
ia OR, fair-good, mixed 09-
00, advert
aco TX w/MOR mx, calls to
eners in Brownsville, "KRGV"
0515-0521 mixed SS
nd CA, on top w/nx 0806, ID
1", very good 1050
as TX w/EZL mx 0614, ID as
10 KAAM"

1360 KRYS Cornus Christi TV, ID 0806
after news, but mixed; also
good 0504

1370 KEEN San Jose CA, baseball match,
0602

1380 KTOM Salinas CA "Central Calif.
Country Countdown, the Top 38
songs on the Tall T, K-TOM"
ID 0833, c/w music, exc.

1390 KGER Long Beach CA, fair w/gospel
program 0656-0700

1430 KALI San Gabriel CA, dominant SS
w/frequent IDs, t/c's 0942,
also good 1241

1440 KEYS Corpus Christi TX w/local ads
and ID 0812 on top of mess

1460 KSO Des Moines IA "Great Country
KSO" IDs, c/w mx vgood 0823

1480 KYOS Merced CA announcing start of
Daylight Saving 0959 24/4 ,
also good 0623

1540 KXEL Waterloo IA, strong, gospel
0542-0601

KZLA Los Angeles CA, news 0900, ID
0912 "Kay-Zee-El-Aa"

1550 KQWB West Fargo ND pop mx, ID as
"This is 15-50 KQWB" 0818,
good 0850, 7' temperature
check noted 1105

WYOU Tampa FL w/call in SS, then
spoken SS program 1031

1580 KNIX Phoenix AZ, always vgood w/
country/western mx, 1008

1590 KBBQ Ventura CA "On 16 Country K-
BBQ" ID, c/w music fair-good
1248-1310

KLIV San Jose CA noted ID 1110

1600 KCRG Cedar Rapids IA w/"Nighttime
Music" program, peaking vgood,
0809

KGST Fresno CA, often dominant w/
SS, adverts for Fresno, 1013

KWOW Pomona CA w/"16 K-WO" IDs,
local nx 1346, 60s pops, but
lost to KGST 1351

WOKB Orlando FL "Orlandos' Number
1 sound in town, WOKB" IDs,
black soul mx, good at times
0432-0454

WKWF Key West FL, female DJ w/full
s/off details, but poor in
mess with WOKB and others 0500

South America

580 YVMJ La Voz de La Fe, Maracaibo w/
many "La Voz de la Fe" IDs
by female DJ, typical YV mx,
good 0629 mixed KMJ/WTR"

610 HJKL Em.Nueva Granada, Bogota, noted
with RCN IDs 0528 mixed WIOD

670 HJPL Radio Calidad, Medellin heard
w/"Radio Calidad" ID 0637

700 HJGX Radio Sutatenza, Cali s/on 0900
full ID, still good 0931

725 PZX26 SRS, Paramaribo, Surinam w/s/ons
as early as 0755 or late as
0800 nightly; "SRS" ID heard,
usually has Hindi anncts, mx
followed thru past 0830 after

750 OPX4C R.Programas del Peru, San Lei-
dro, nx in SS 1008, good 0855

HJCU R.Melodia, Bogota, "Radio Melo-
dia" ID 0608

870 LRA1 Buenos Aires, Argentina, exc SS
0815

880 OBZ4N R.Union, Lima "La emisora mas
potencia del Peru" strong 0536

915 HCRO3 Ondas Orenses, Machala, Ecuador,
good 1025-1045

920 HJAE Em.Fuentes, Cartagena full ID
0656 "HJAE 920 khz, esta es la
senal internacional Emisoras
Fuentes, desde Cartagena, Col-
ombia", vgood

990 HJDB La Voz de Medellin, Medellin,
ID "esta es HJDB R.Medellin"
0433, dominant here

1010 OAX4U R.America, Lima "Buenos dias R.
America" ID, 0558

1040 OBX4O R.Onda Popular, Lima w/"Onda
Popular" IDs, recent EE pop mx
very good 0350

1060 HJOV R.Surcolombians, Neiva heard w/
ID "Radio Surcolombiana Neiva"
0459 (new on nominal freq, ex
1180)

1070 HJCG R.Santa Fe, Bogota full ID "en
todoparte" 0401, vgood 0552

1175 HCDP5 R.Cuenca, Cuenca, Ecuador, noted
1027-1040

1180 YVNU R.Petrolera, Ciudad Ojeda, s/on
anncts, National Anthem, 0917

CB118 Em.Diego Portales, Santiago w/
"buenos Dias Chile" news 1020

1310 HJJZ R.Vision, Bogota ID "Ar-chay
doble hotay zeda", EE pops w/
female American accented EE
anncts 1013, dominant

1360 HJTU R.Relej, Cartagena, numerous ID
and t/c's 0421, music also

YVTI R.Catatumbo Internacional, Mara-
caibo, good, mixed 0445

1370 HJKX R.Mundial, Bogota "Radio Mundial
de Bogota" IDs 0500, CARACOL
network ID later

1445 HCCS5 R.Calidad, Riobamba, SS EZL mx,
some EE pops, clear 0426, s/off
0502 with no announcement

1480 HJPX R.Olympica, Cartagena, regular
w/IDs, jingles 0536, fade-in
noted 0412

1550 HJCB R.Exitos, Barranquilla, vg
0539 (presumed new slogan)

HJZI R.Fantasia, Bogota from 0332
EE pop mx, strong ID 0500
"La radio Estacion...Radio
Fantasia una Radio Excelecion"

Rest of World

684 RNE R.Nacional de Espana, Sevilla
(Radio 1, Home Service) heard
from 0408 past 0500, good, ID
"desde Madrid" 0457, SS

792 EAJ5 R.Sevilla, Sevilla, SER net
fair only, 0545, talk programs
Singapore Broadcasting Corp.
headline "Singapore Broadcast-
ing Corporation News" 1510,
then female DJ, EZL mx, vgood

855 RNE R.Nacional de Espana, Murcia
fair, 0451-0530

1422 UnID Arabic program heard here, good
0504, gone by 0509 thru 3XB;
noted again 1835 over 3XY. New
Arab station presumed

1481 UAE UAE Radio, Dubai, good AA 1943

1521 BSKSA Duba, Saudi Arabia heard with
good signals over 3YR, 0413-
0425 (amazing reception, 15
hours difference means 7:13am
and very, very longpath indeed)

1566 SBC Sarnen, Switzerland in GG, poor
but steady, talk 1835-1845

1575 EAJ24 R.Cordoba, Cordoba from 0350,
past 0430, pop mx, nx 0400
with pips between items, SER
network jingles, IDs // 1584
and 1602 chains also

1584 SER Spanish network, 0356-0440,
network ID 0409, best of the
Spanish longpath signals

1602 SER Spanish network also noted //
1575 and 1584, 0439

Thanks to: Robin Chambers (Opunake) Bryan
Clark (Auckland) Dene Lynneberg (Wellington)
Tony Marr (Wellington) David Riccuish
(Wellington) Jack Searle (Haumoana) Mike
Smith (Opunake) Harry Weatherley (Melbourne)
Barry Williams (Auckland) and Bill Woller
(Opunake) all DXing from Te Araroa, East
Cape, during the Anzac Weekend period in
late April. Various receivers, and some 15
aerials were in use. Not all stations
heard have been included in this Trail,
including many South American signals in
SS which covered most of the dial. A most
successful DXpedition from 5 days DX!

IONS????????????

tion that I hope will
dge of others in hel-
frustrating mystery
trike. I hope that
ers can also come to
the ball rolling....

ogged on 22/4, on
7-0904, a station w/
east three times, and
of Arlington. Time
6 (Central Time Zone)

ed KTKH on 1330 khz
ruary, w/ supermarket
Maxwells Mexican

ard a station with
GMT on 1580, then
sic with no anncets
ibly VOA Antigua?

rs. So if anyone out
th any of these, or
zler yourself, please
e that 600 heads are

1 Mathieson, Mor-
H Singapore 792
BO veries from
XO 1YT CBU 690
heke 1404.

aside OR with a
AGO 1150 3AR YSS
E 890 KPRB 1240
840 (Alaskan no.
ey AM stations
PO 1350 KLOK
FTT 1500 KTMS
L 790 KBPS 1450
90 KXLE 1240 &
made it you two!

IONS from Lyall
le, g. mixed 4QL
rg 1015
iland good 1515
rie, fair 0930
ie, fair 1545
, good 1555
Bay good 1030
ton good 0640
e, exc 1010
prings 1610, 1815
g 0940, ex 1530
g w/4YA off 1540
e good, 1100
fair u/4AY 0905
rie ex 1205
e f-g 1120 GMT



The "Good News" has finally established itself permanently in Nelson with the new Radio Rhema studios to be opened on Saturday by the Mayor of Nelson, Peter Malone. This opening of 2XL on 801 kHz gives Rhema three stations — and an application is in the pipeline for another station in Auckland with relays in Whangarei, Hamilton and Tauranga. Here, though,

Rhema may run into its first real opposition. Its entry into the now 11-station Auckland market could cause further, uncomfortable fragmentation of the audience in terms of audience ratings for current stations. And Rhema is also wanting the frequency of 603 kHz which Radio New Zealand has long had ear-marked for an "ethnic-access" station.

NEW ZEALAND Another shortterm warrant has arrived at the very last moment. In fact, it was not received until the day before the broadcast took place! It was issued to Whangarei South Jaycees Inc, for a station on 1404 khz with 100 watts, transmitter located at Dargaville to assist in fundraising for a new scout hall. On air 0700-1200 GMT 20/5; 1900-0900 GMT 21/5

AUSTRALIA more recent news just to hand....

- 693 4KZ Tully plans translator here, 500 watts
- 8HA Yulara NT (Ayers Rock) translator granted, 500 watts, due mid 1984
- 837 8AL Yulara NT (Ayers Rock) translator granted, 500 watts, due mid 1984
- 891 4AY Ayr to move here mid 1984, ex 936, 5kw DA
- 990 2.. Albury/Wodonga, ABC translator due here, mid 1984, 250 watts, omnidirectional
- 1224 2WS Blacktown to modify DA with 3rd tower, and improve coverage, due mid 1984 (see 1476)
- 1350 2LF Young now here, ex 1359, 5kw DA
- 1476 2KA Penrith, translator renewed for 12 months only from end of 1982, may be deleted
- 1485 4AY Bowen plans translator here, 100 watts
- 1584 2BE Narooma translator due here end of 1983, 200 watts, omnidirectional
- 1620 2PH Canberra, due here late 1983, 500w omni-d.

Applications also called for 1 new commercial warrant for Coffs Harbour, NSW, as well as 1 or 2 translators for either/both 2GF Grafton and 2MC Kempsey/Coffs Harbour.

DX Australia

Australia

- 666 6LN Carnarvon WA, new, on air 20/1/83, power 1kw, omnidirectional. Addr: Mr Amando Papalia, Carnarvon Commercial Broadc., Carnarvon, WA 6701
 - 747 6LN Exmouth WA, translator for 666, also 1kw omnidirectional, on air
 - 765 8DN Katherine NT translator for 1242 on air 4/2/83; uses 500 watts, 24 hours
 - 783 8AL Alice Springs NT now here ex 1377, 2kw, omnidirectional
 - 900 2LM Lismore NSW plans 5kw D/A by end of 1983
 - 1584 4VL Cunnamulla Q, translator for 918, still not on air, but due soon w/ 200 watts. Special QSLs for tests from DX Australia planned
 - 1602 5LC Leigh Creek South ex Leigh Creek; incr power 100 watts, omnidirectional. Old mining town sold.
 - 1629 2RPH Sydney NSW noted testing here
 - 3RPH Melbourne VIC, now here ex 1705
 - 1657 3MU Monash University, new, . It has hours 2215-0830 GMT, address: Mr Steve Palmer, PM, 3MU Radio, c/o Monash University, Wellington Road, Clayton, VIC 3168. Powerful: 1 watt.
- (With an address like Clayton, and a power of 1 watt, I guess it is the station you have when you're not having a station!)
- 1692 VL2UV Sydney NSW now here, ex 1750

DXA and Tune In

New Zealand

- 612 4ZF Te Anau, will have local programs 1800 GMT 21 October-0700 GMT 24 October to broadcast activities associated with the Te Anau Centenary Celebrations (BT)
- 855 1.. Eureka, power 1kw, 24 hours daily from 2100 GMT 13 June-0400 GMT 18 June to provide the farming and rural community of the greater Waikato area with a comprehensive farm radio service during the New Zealand Agricultural Week. (BT)
- 1305 4XT Mosgiel, application lodged for R. Taieri, power 100 watts, 1900-1000 GMT daily on 28 and 29 May to help raise funds for covered swimming pool. Address: Taieri Swimming Club c/o W Brown, 38 Kinmont Crescent, Mosgiel. (Tune In)

(BT) Broadcasting Tribunal

ABORIGINAL BROADCASTING

It has been estimated that about 60 000 Aborigines, a third of Australia's Aboriginal population, live in isolated areas.

In recent years many have moved from Government and mission stations back to traditional lands, far removed in many cases from settled areas and easy access to modern communications.

Many of these people still speak an Aboriginal language as their first language and have difficulty understanding English. Australia's satellite system has been seen as the means of providing modern telephone, radio and television services to Aborigines enabling them to gain access to health, education and training schemes.

But that is still several years off and in the meantime new initiatives in Aboriginal broadcasting have resulted in 10 public radio stations around Australia broadcasting Aboriginal programs regularly.

In Alice Springs, the Central Australian Aboriginal Media Association (CAAMA) broadcasts each week 20 hours on public radio 8CCC-FM and 90 minutes on the ABC station 8AL.

The broadcasts are made in English and four Aboriginal languages — Pitjantjatjara, Aranda, Walpiri and Luritja.

Programs contain traditional and modern Aboriginal music, news, community information, police messages and items on health, hygiene and litter. Cassette tapes of programs are distributed to Central Australian communities outside AM radio range.

CAAMA has expressed strong interest in the possibilities of the satellite system for the expansion of Aboriginal broadcasting.

In other developments, Aboriginal organisations in Alice Springs and Umbakumba (Groote Eylandt) have expressed interest in applying for public radio station licences to serve significant Aboriginal communities.

The establishment of the National Aboriginal and Islander Broadcasting

Association followed a three-day National Aboriginal Broadcasters' Conference in Alice Springs in 1981.

That conference attracted more than 60 Aboriginal delegates, together with representatives of Government departments, statutory authorities and broadcasting organisations.

In a different sense, urban Aborigines are underserved, but the Special Broadcasting Service now puts out a special Aboriginal program each week to Sydney, Newcastle, Wollongong and Melbourne. The SBS is also training Aboriginal broadcasters.

Australian WCY Bulletin April 1983

Storage AK granted 50kw nights, bidirectional
 Staff AZ seeks 10kw daytime at CO, new call
 AK granted 10/10kw increase
 Wrath AK granted 5kw nights
 Storage AK seeks here, 5/5kw
 rus Heights CA seeks here with 1kw U1
 idian ID ex Boise, adds 5kw
 hts, U2
 ele UT granted here ex 990, h 50kw (2.5kw CH) daytime i
 ana AZ seeks KCOT
 lidge AZ granted 5kw daytime
 port TN seeks here ex 1060, w D1
 heim CA ex KEZY, also granted w daytime increase, U4
 ca Valley CA ex KYUC
 os-Capitola CA seeks move to uel-Capitola CA and add 1kw
 hts

ia Patrick Martin OR, either: 8th Little Rock AR 72204
 stic Log) or 4021 West 85th
 ck AR 72204 (Broadcasting YB)
 k says: good luck!

on air...

US daytime broadcasting session, Rod Porter, chief of the FCC's
 indeed that substantial progress has been made in clearing a
 full-time service on clear channels needing Canadian approval.
 said, 241 have been cleared and 38 applications remain to be

concerning the possible extension of daytime hours is still a ways

represents clear channel broadcasters, argued that daytimer
 strictly an engineering issue," said Eagan. "The issue is whether
 at the expense of listeners already underserved." The skywaves
 way."

1 & Nash, and who represents the Daytime Broadcasters Associ-
 o think of it as just an engineering issue. The question is one of
 ocation scheme, where millions of listeners receive their only
 ce of skywaves, is "anachronistic."

April 18, 1983

possible: 250 watters to go

ion with Canadian authorities,
 the FCC is to go ahead with
 daytime and restricted power
 local channels and regional
 ease their nighttime powers
 to full daytime power of 1kw.
 time before stations start to
 ighttime facilities. Are the
 watter now numbered?

Mexico

800 XEROK Radio Canon is in SS,
 not EE, 24 hours
 850 XEM R.Exitos ex R.Moderna
 900 XEW La Voz de la America
 Latina, power is 100kw
 and not 250kw
 990 XECL R.Mexicali ex R.Mundo
 1050 XEG La Ranchera de Monter-
 rey ex R.Melodia, EE
 0500-0900
 1060 XEEP R.Educacion now 20kw
 1090 XEPRS R.Express, La Gigante
 Musical ex The Big
 Country, EE 0300-1000

LADX

Cuba 1540 CMES Sagua, Sagua La
 Grande in Santa Clara Province is
 a new outlet on air. (BBC)

Jamaica recent reporters to the NRC
 note widespread reception of several
 outlets at times when reception is
 possible in New Zealand:

550 Montego Bay 0553 GMT
 560 Kingston 0600-0735
 580 Point Galina 0513-0600
 700 Montego Bay 0610-0735
 720 Kingston 0713-0800
 770 Spur Tree 0552

NRC

Turks and Caicos Islands is reported
 on air with Caicos Beacon using
 50kw in EE on 1020 and SS on 1570
 effective December 1982.

ASWLC

Colombia new and unlisted outlets

620 HJBP R.Rumbos, Calle 11 N°1-29,
 Cartagena, 10kw
 860 HJNJ LV del Canaguante, Cra. 5a
 N°13-52, Valledupar, Cesar
 50kw
 870 HJSB Mar Caribe AM, Cra. 42 N°
 75B-119, Barranquilla,
 Atlantico, 25kw
 900 HJSS R.Malecon, Monteria, Cor-
 doba, 10kw
 970 HJVK Armonias del Caqueta,
 Casa Episcopal, Florencia,
 Caqueta, 30kw
 1030 HJGX R.Progreso de Cordoba,
 Plaza de Bolivar, Loricá,
 Cordoba, 1kw
 1060 HJLY R.Delfin, Calle 7a N.14-
 16, Rioacha, Guajira, 10kw

1060 HJYX R. Caracoli, Calle Real-Santander,
 Sincelejo, Sucre, 1kw
 1070 HJVR Ondas del Purare, Calle 5a N°9-82
 Popayan, Cauca, 15kw
 1070 HJVO Transmisora del Quindio, Cra. 16
 N°19-23, Armenia, Quindio, 1kw
 1090 HJOM R. Bucanero, Edif. Bavaria, Of. 602
 Cartagena, Bolivar, 5kw
 1100 HJYZ R. Futuro, Cra. 9a N°7A-21, Neiva,
 15kw
 1100 HJEF Brisas del Orinoco, Calle 8a N°1-
 24, Puerto Carreno, 2kw
 1110 HJGZ R. Cardinal, Calle 13 N°8-56,
 Maicao, 10kw
 1130 HJQQ LV del Colombia, Calle 19 N°27-54
 Pasto, Narino, 15kw
 1140 HJRN LV de la Prov. Colombiana, Calle
 3a N°3-42, Barbosa, Santander 10kw
 1150 HJSL R. Sosiego, Cra. 16 N°23-40, Since-
 lejo, 5kw
 1160 HJEV LV del Valle, Calle 43 N°6N-21,
 Cali, 1kw
 1200 HJVB R. Canoa, Calle Real B. 20-184, Car-
 tagena, Bolivar, 10kw
 1260 HJQN R. Preferida, Calle 33 N°7-17,
 Monteria, 5kw
 1300 HJRB R. Super, Calle 20 °10-61, Tunja,
 5kw
 1340 HJVL LV de los Heroes, Transmisores,
 Cimitarra, Santander, 2kw
 1420 HJSJ R. Rumbos, Cra 4a N°10-77, Ibague,
 5kw
 1490 HJZB LV de los Robles, Calle 8a N°16-
 47, Tulua, Valle, 5kw
 1580 HJOT R. Cachaca, Calle 68 N°5-67, Bog-
 ota, 1kw
 1580 HJRM R. Costanera, Edif. Caja Agraria,
 Sincelejo, Sucre, 5kw
 1580 HJSQ R. Robledo, Calle 10 N°6-35, Cart-
 ago, 5kw
 1600 HJSP R. Soratama, Calle 21 N°7-57, Per-
 eira, 5kw

LADX

Peru Radio Programas del Peru is a network
 centered on key station of the same
 name, OBX4G Lima, now on 730 khz (ex 1500)
 and on air 24 hours daily. Affiliated outlets
 carry the same program 1000-0500 GMT and are:
 790 OAX2I, 800 OBX5B, 1080 OBX1D, 1100 OAZ4W,
 1140 OCY4C, 1200 R.Radial Andina (new, addr:
 Carretera Variante de Uchumayo, km 4.5, Are-
 quipa), 1250 OAX8P, 1310 OAX6P, 1460 OBX3A,
 1540 OBX1B and 1580 OBX7Q.

Jose Castellano, WRTVHNL

850 OAX4A Lima, now here ex 854 (IRCA)
 1320 OAX4I Lima, plans to increase power
 to 50kw within near future
 (BBC)

Philippines (Ed note: it is difficult to
 obtain correct information about this
 country. Often, there are conflicting re-
 ports from DXers who have visited the
 area. Details are printed, without comment
 as they become available.)

Following details from Charles Taylor, via
 LOG-FERC

531 DZBR 5kw Lipa City, Kumintang BS
 576 DZYZ 1 Olangapo City, inactive
 585 DYTR 1 Iloilo City, ex DYCI 550,
 Maharlika BS
 639 DZRL 1 Batac, Ilocos Norte
 DXKR 5 Koronadal, South Catabato,
 RMN, new
 738 DZFM 10 Quezon City, anncs as
 Maharlika, same ID as
 DZRP 918
 756 DWBW 1 Baguio City, inactive
 DWNW 10 Naga City, reactivated,
 Banahaw BC, 2000-1600 GMT
 DWGC 10 Tayug, Pangasinan, here ex
 1557, Maharlika BS
 760 DYCB 5 Cebu City, still here, ID
 as "Sugbu" pre-Spanish
 name for Cebu
 792 DZAP 2½ Angeles City, incr power
 and correct call
 918 DZRP 25 Quezon City, correct pow-
 er, Maharlika BS
 990 DWWJ 10 Quezon City, inactive
 1017 DWCW delete
 DZLC 1 Lucena City, Maharlika
 BS, add
 1314 DWXI 10 Manila, correct power
 1386 DWKW 10 Quezon City, reactivated
 1400 DZOR 1 Olongapo City, still here
 but announces 1404
 1557 DWGO 1 Olangapo City, reactivates
 1570 DZHH 10 Pasay City, still here,
 back to 10kw, operated by
 Philippines AirForce

Nepal The new mediumwave transmitters of
 Radio Nepal, have recently been
 heard testing. Power: 100kw. Times: 1100-
 1125 GMT from Pokhara 684 and Kathmandu
 792.

Able Alexander, SCDX

Arthur Cushen has an interesting verie
 from R.Uno 660 in Cali, Colombia. V/s is
 Carlos Omar Saldarriaga Acevedo, Director:

"R.Uno is a station with young music, es-
 pecially ballads in Spanish of Colombian,
 Spanish, Puerto Rican and Argentinian sing-
 ers." There are 5 RCN network stations in
 Cali (4 AM 1FM) and 17 others (CARACOL,
 TODELAR, Grupo Radial Colombiano, Sutatenza
 and Super.)

From the Branches

New Zealand Radio DX League is a non-hobby organisation founded in 1948, a foundation member of the South Pacific Association of Radio Clubs. Branches are active in Auckland, Wellington, Canterbury (Christchurch), North Otago (Oamaru) and Southland (Invercargill).

Postal President: Arthur Cushen M.B.E.
Editor: David Ricquish B.Com.

Membership and administration inquiries:
P.O. Box 1313, Invercargill

Subscriptions, contributions, advertising, and publication inquiries:
P.O. Box 2956, Wellington

Examination certificates and inquiries:
P.O. Box 3011, Auckland

Membership orders and inquiries:
Jolly, 15 Fitzroy Street, Kawerau.

Annual subscription: \$15 for members in New Zealand. Overseas rates on application. Membership Secretary, P.O. Box 1313, Invercargill.

New Zealand DX Times is published monthly by the New Zealand Radio DX League at Auckland. Copyright, May 1983.

The Pacific Association of Radio Clubs (PARC) is the umbrella organisation for radio clubs in the South Pacific area, and promotes radio listening and the Handicapped Program in that area. SPARC is affiliated with the European DX Council and the Association of North American Radio Clubs. Individuals cannot join SPARC, but can join one of the affiliated clubs: Eastern Cross DX Club (Adelaide), Down Under DX Circle (Melbourne), DX Australia (Sydney), New Zealand DX Radio Association (Dunedin), New Zealand Radio DX League (Invercargill).

Secretariat:
P.O. Box 1313, Invercargill, New Zealand.

Arthur Cushen's Radio World Program is on every Friday at 1115 GMT over Radio 2XG Wellington 1505 khz, over 3XG Christchurch 1505 khz and 2XL Nelson 801

Branch members met 1 May, with 20 along and 4 visitors one of whom was Harry Weatherley (DX Australia) of Melbourne. A meeting has been set up to plan SPARC activities for 1984, and has 5 members. Barry Marsh is Chairman. Several new radios on display (FRG 7700G, ICON R70) and Harry Weatherley talked about DXing in

Australia. Competitions: Shortwave Over 9 to Jim Gorman with R.France Int. 11800 khz 500kw and 82 points; Shortwave Under 9 to Bryan Clark and Barry Williams both with F.I.B.S. Port Stanley 3958 khz, 2.5kw and 111 points. Next meeting: 29 May at usual place. Contact: Tom Rushbrooke (phone 279 8348 before 9am or early in the evening), or write: Flat 1, 19 King Street, Papatoetoe. Wellington more information next month on the joint meeting held 20 May, and details of future meetings. Canterbury needs a bomb placed underneath it! Members should contact Alastair Stewart (phone 588 496) or write: 37A Merrin Street, Christchurch. North Otago also needs a bit of a hurry up... too much snow down there? Your contact is Doug Walker, 7 Meon Street, Oamaru. Southland held its meeting on 26 April with 11 members plus 4 apologies. A letter from Foveaux Radio explained the reasons for harmonics and cross-modulation from the signal. A Pot Luck Dinner is to be held 18 June, and the recent visit by Harry Weatherley was discussed. Meeting in June is at home of Russell Winter, 28 June. Competitions: Broadcast BOM to Mark Nicholls with KBBB Borger TX 1600 khz 500 w; Merit to Eric McIntosh with Vatican Radio, 1611 khz 15kw; Shortwave Over 9 to Tony Magon with R.Liberty, 25690 khz, 250 kw; Under 9 also to Tony with R.Milano International, Italy, 6221 khz 1kw. Contact is: Irene Simpson, phone 57 431 (Invercargill).

Members living in a part of the country without an active branch and interested in starting one, should write to P.O. Box 1313 Invercargill for information on how to go about it. In past years, branches have been active in Taranaki, Waikato/BOP, South Canterbury (Timaru) and Otago (Dunedin).

Branch Activities is a new feature which will begin soon with news from branches and members, and offer ideas and help for your branch.

HAP ASSISTANCE Disabled League members are eligible for a free subscription to the League out of the Pacific HAP Program. If you wish to take advantage of this, and other assistance available (or know someone who may wish to join), further details can be obtained from Arthur Cushen, 212 Earn Street, Invercargill.

NOTICE Members wishing to have specific information, details on prices and availability of communications receivers should write: Bryan Marsh, 20 Rima Road, Mangere Bridge, Auckland. Please enclose a s.a.e. to assist with the reply.