



# NEW ZEALAND DX TIMES

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JUNE 1977

## comings & goings

By the time you read this Radio Nacional de Brasilia, Brazil's popular international voice, will have left the air. Transmissions were to cease on 12th June for 'technical reasons', according to announcements broadcast recently. According to BBC World Radio Club of 4/6 however, it is understood that the 250kw transmitter is to be used for another service, and it is hoped that the International Service will resume in July 1978. Meanwhile, a magazine article quoted by Sweden Calling DXers 17/5, says that Radio Nacional, Brasilia has had 9 transmitters of 250kw in storage for the last 3 years. Hopefully we will soon have official confirmation of the Brazilian governments future plans for the International Service, and hopefully the news will be good! Thanks to Ian Hitchiner for info on this. To the United States, where President Carter is expected to ask Congress shortly for US\$48 million, for additional transmitters for VOA and Radio Free Europe/Radio Liberty - 11 for RFE/RL in Europe, 5 for VOA in Europe, 4 for VOA Africa and 8 for VOA in the Western Pacific. This per Sidel, contributing to NASWA Listeners Notebook 5/77. Finally the good news from across the Tasman: An independent inquiry into Radio Australia has recommended the expenditure of more than A\$69 million in upgrading the overseas broadcasting service over a 6 year period. \$2½ million has already been earmarked by the Government for Radio Australia in the coming budget. This will be spent on improving transmission facilities at the Shepparton site, and in determining whether the Cox Peninsula station at Darwin is reconstructed, or relocated to an alternative site. The enquiry, headed by Sir Keith Waller, former Head of Australia's Foreign Affairs Dept, recommended an expanding role for Radio Australia, with extensions and additions to present language services and development of a permanent transmitting station on the North West Cape of Australia, to replace the temporary site at Carnarvon. The committee found that Radio Australia had shown it's ability to serve a valued and substantial audience in Asia and the Pacific, and a need existed for this to continue. Thanks to Bruce Williams for this item - it's heartening to see this recognition of the value of international broadcasting.

## 1978 convention

...to think about attending the League's 1978 Convention, which will be held at Tiwai, near Invercargill, over Easter weekend next year. The gathering will be held in Southland Branch's Tiwai House, and additional accommodation will be provided in caravans. This is expected to limit the number of people to 35. Any enquiries at this stage should be directed to Steven Greenyer, P.O.Box 1326, Invercargill. Start thinking now! The dates are 24 to 27 March 1978 and super DX is guaranteed at Tiwai. See you there!

CONVENTION 77 AND DXCURSION AUSTRALIA PHOTOGRAPHS IN OUR NEXT ISSUE HOPEFULLY.

CLOSING DATE FOR JULY ISSUE: 5pm MONDAY 4 JULY. LET'S HEAR ABOUT YOUR QSLs RECEIVED, DX LISTENING & REPORTS, BEST-OF-MONTH ENTRIES. OUR ADDRESS IS NZ DX TIMES, P.O. BOX 2956, WELLINGTON. HAVE WE HEARD FROM YOU LATELY?

## 2 FROM THE BRANCHES

**SOUTHLAND** The April meeting was held at Eddie MacAskills with 13 present. Vice-Pres. Wyn Machon chaired the meeting and business included reports on the 1977 Convention from Merv Branks, activities at Tiwai from Ray Crawford and a taped interview with Keith Glover from Arthur Cushen. DX news and discussion followed. Competitions: Arthur Cushen Alexandria 1197 2kw, Ray Crawford CRL Antigua 1165 10kw, Arthur Cushen VOA Monrovia 17870 and Ray Crawford Radio Inca del Peru 4762 2kw. The May meeting was held at Leo Mazonbecks with 8 present and 6 apologies. Discussion covered the forthcoming progressive dinner (2 July), a meeting of the 1978 Convention Committee, a letter from Arthur Williams concerning his recent visit to Daventry, and a further taped interview with Keith Glover. Competitions BCB Neville Henry Spain 1475 2kw, Ray Crawford HJAR 1270 1kw, SW Arthur Cushen Cairo 17920 and Frank Glen VL2UV 1750 300w.

**SOUTH CANTERBURY MEMBERS!** Craig Strathern, 112 Morgans Road, Timaru is keen to contact DXers in his area, with a view to the eventual re-formation of a branch of the League in the Timaru area.

**NORTH OTAGO** The last two meetings of the branch have been well attended. In April an interesting coverage of convention activities was given by Paul and Gerald. At the May meeting Mr Jim Grant gave a talk and demonstration on aerial systems. Branch members are to give a talk on DXing at the Oamaru Intermediate School. Competition Awards to Paul Ormandy for TWR Swaziland, Caymans 1555, SAEC, KHLO, JOUC, Sweden, KMVI and Togo. Best A/NZ to Paul Rosie 4XB and Paul Ramsey 4XD. The next meeting on Thursday 30 June will be followed by aerial testing at the branch's Listening Post.

**CANTERBURY** The May meeting was cancelled due to only 3 members being able to attend. The next meeting is scheduled for 7.30pm Wednesday 22 June, at Bob Boundy's, 53 Greendale Avenue, Avonhead.

**WELLINGTON** 12 were present at Bryan Clark's for the May meeting, including Ken Russell, formerly of Radio Waikato, and Theo Donnelly, on vacation. Theo spoke at some length about his work at CJVB Vancouver, Canada (1470kHz 10kw). He outlined the station's programme format of ethnic and English language programming, the general radio scene in British Columbia, and DX reception at his location. Theo is QSL 'Manager' as well as News Director at CJVB. A farewell was extended to JohnHershey who is returning to live in Canada. Competitions: SW Senior John Mainland FEBA 11845 and Guinea-Bissau 4780, the latter tied with Bryan Clark. SW Junior Trevor Phillips Lisbon 11925 & Paul Edwards Tanzania 5050. BCB Phil Brooks KTSA 550, Paul Edwards Caymans 1555 and VL2NI 1570. Next meeting will be held at John Mainland's, 30 Burrows Ave, Karori, at 8pm Friday 24 June. The meeting will feature a slide show on the recent DXcursion to Australia, by Bryan Clark.

**AUCKLAND** On Sunday 5 June, a get-together was held with 11 League members present and 1 apology. Numbers attending the bi-monthly gatherings have steadily grown this year, and it has been decided that the next meeting should discuss... Cont. P 10

**BROADCAST DX MAILBAG overflow...**

**PAUL EDWARDS** Wellington has had a good month with reports to Tropicana 540, Saudi Arabia 5871, Festival 1260, RRI Surabaya 585, KRLD, WXLE, Jodhpur 530, DZDL 1423.4, DXED 1016.8. QSLs from: Paradise 1265, Singapore 790, Peking 1525, Portugal 1034, KPOI, France 1554, Festival, FEN 1580, Monte Carlo 1466, Austria 1475, Malaysia 1055, BEC Oman 1412, Tropicana 540 with pennant, Peking via Albania 1457. Well done! **CHRIS MARTIN** NSW has 2 new countries out ex Goulburn trip - Bukavu 800 and Agadir 935 & re-reported Africa Livre 998,1000,1002. QSLs Bulawayo 1340 2kw: Marathon 1180, WUNI, KMOX, KTRH, Caymans

## BEST OF THE MONTH

### SENIOR

HJAQ Radio Miramar 1270kHz 1kw  
156 pts Ray Crawford

### JUNIOR

Radio Caymans 1555kHz 10kw  
146 pts Paul Ormandy.

1555, 1ZH, Union 880, El Beida 1124, Oman 1035, Porto 1034, Kerkyra 1007. Hi!

# BROADCAST DX with Bryan Clark 3

A mixed bag this month, with the usual mid-year lull for some of us. Some interesting Philippine signals are reported and Radio La Cronica Peru 1320 seems to be the best Latin at present. Main headlines are from NZ but first:

Some items from Australia - Keith Robinson notes Tasmanian news at 0750 GMT on 1570kHz, so it looks like ABC station 7SH St Helens with 100w has commenced operations. Other newie 7FG 1160 runs 77 to 7NT 710 (Greer ADXN). According to Ian Stanley (ADXN), 3CR 840 broadcasts 2000-0300 and 0630-1400 Monday to Friday, and 2000-1400 Sat/Sun. 2XX 1010 300w is temporarily using 2CA's old antenna tower. Hours are 2030-1500 Mon-Fri and 2200-1500 Sat/Sun. Their address is P.O.Box 4, Australian National University, Canberra ACT 2600. Sam Dellit, reporting to NRC, says that forthcoming tests of the new 1978 frequency plan by Australian stations are expected during the day only, while directional stations will test at night.

Since the granting of a licence to Wainuiomata College's Festival Radio, we understand that the Post Office have a 'flood of transmission applications' to consider. Station Manager of Festival Radio, Rex Widerstrom advises that they hope to go on-air again, possibly next year. Radio Active's 100w screen modulated valve transmitter and a 150ft long antenna were used for the transmissions on 1260kHz in late April. Robin Chamber's DX report from Opunake was by far the most distant received - the balance came from the Wellington area. The organisers believe they are the first people of their age (pre-University) to be granted a licence in NZ and possibly the world. Anyone aware of public broadcasting operations by other college or high school groups overseas, please let your Ed know.

Active members Neville Henry and Arthur Williams are currently touring the Continent after a tour around Britain, DXing along the way. Neville advises that Radio Caroline are now broadcasting in EE on 953kHz, and the Dutch programmes are on 1562kHz (Updates p9 last month). Well-known Scots DXer George Brown has written regarding their recent visit to his location, and an enjoyable and wide-ranging discussion with the tourists. We look forward to hearing more on the British & European DX scene during the coming year fellows!

Back to NZ, and news of the Canterbury Broadcasting Company, P.O.Box 1825, Christchurch, which conducted tone tests for warrant application purposes on 1260kHz between 5 and 8 May. Effective radiated power from the Marshland's site was 90 watts. The Post Office allocated the frequency, but no callsign, for the test. Managing Director R.D.McKay hopes to have the station operating by the end of 1977. This very interesting news from sole verification holder David Ricquish! David also reports that, according to the Minister of Broadcasting, the BCNZ will provide a repeater at Reefton in the Buller region of Westland, to relay Greymouth programmes. The station will be on air by the end of June 1977. South Westland will also get a repeater when finances permit. Tests for this were carried out at Okarito earlier this year. A group has been formed in Wanganui to plan for a private non-commercial station in the city, reports Phil Brooks. A low-power operation akin to that of 4XD in Dunedin seems to be the aim.

Back to Christchurch, where RNZ stations underwent extensive format changes on 9 May in response to Radio Avon's average audience of 55% of the total market. 3ZM 1400 is now Radio Nova (Avon spelt backwards!) with format said to be Beautiful Music, though to those of us familiar with American or Australian operations (eg 2CH 1170) it would be more accurately described as an easy listening format. Super 3ZB is now up tempo Top 40 in direct competition with Avon. Many racing and sports network programmes have been dropped, as has most talk and community oriented programming. Our reporter David R.

We'll save the rest for next month and get into the mail....

SUTTON BURTENSHAW Invercargill has DAVID RICQUISH our Christchurch news-verified HJCY 810, Tincabusti 854, Cluj hound, has logged & QSL'd Canterbury 1151, Qatar 952, Izmir 926, Dominica 595 BC 1260, KGAR, KHLO, KIPA, JOOR, 4MK, 2XA. Jumbo, Surakarta 974, Rey 1450, Belge 926. No room to get carried away, hi!

PAPUA NEW GUINEA Stations not listed in WRTVH 77 include NBC Port Moresby 590 2kw, NBC Wewak & NBC Lae 670 in // 2000-1400, Radio Enga 1494 Wabag 2kw not on the air. All per a letter from NBC dated 6/12/76.

Hardester via IRCA

JORDAN Amman 593 is now 1200kw. NRC HONG KONG 545kHz now signs off at 1905 with news & God save the queen.

Kawaguchi via IRCA

PAKISTAN Peshawar has been heard on a new frequency of 1380kHz. The new 1000kw Islamabad tx began testing on 585kHz 9/5. Antenna is 850ft high. The high power Peshawar station on 540 began testing 5/5 to 1710 GMT. Zaidi SODXers Goonetilleke DX J/B

CHINA Radio Peking First Prgm 2000-1735 on 1330, 980, 870, 850, 760, 630, 570, 560, 540. Also 1020kHz 1500-1735, 1040kHz 1545-1735, 1160 2000-1200. Second Prgm 2100-1600 Wed, Fri 2100-0600, 0950-1700) on 720, 710 630, 610. 600kHz 2100-1000, 1120kHz 2000-0900 and 1300-1430. PLA Fukien First Network 1000-0530 on 1270, 670 and 630. Second Network 02cc - 1900 on 1380, 1010, 950 & 820kHz. Broadcasts to Taiwan 2000-0610 and 0830-1903 on 1510, 1350, 1120, 1090, 1030, 910, 750, 673(sic), 590. BBC MS(c)

SRI LANKA Home Service sked on MW in cludes: 558kHz Colombo in Tamil to s/off 1730; Senkadagala 570 Sinhala to s/off 1715; Weeraketiya 600 with Education Service weekdays to s/off 1325; 640 Maho with Education Svce as above plus all-night service on New Moon Days (Poya Day); Colombo 620 in Sinhala to s/off 1730; Senkadagala 820 to s/off 1730 Sinhala; Colombo 890 Education Service to 1325 weekdays, otherwise EE thru to 1730; Colombo 920 has EE to 1730 s/off; Galle 1310 Sinhala s/off 1730.

Dene Lynneberg

IRAN Radio Jolfa 1332 is new with 20kw Distance via SRK

SYRIA Deir-el-Zor 826kHz 60kw ex 828kHz since 12/76. WRTVH lists as 827kHz. EBU via D.Lynneberg

AUSTRALIA 2EA has Greek daily from 2000 s/on on 800kHz. S/off is 1300, with final hour in GG Thu-Sun, CC on Mon & Wed. RR on Tuesday. Bryan Clark 4AK 1240 is now 'Beautiful Music' per frequent anncs. John Allchin

RAY CRAWFORD Invercargill has reports out to RRI Padang (1485?Ed), La Voz de Monteria 1080, Emisora ABC 1250, Voz de los Lagos 1390. Veries: 2ZK, Iran 1188, Belgium 926, KILT 610, Miramar 1270, Rey 1450 with pennant & booklet, RRI Surabaya 585. Couple of longwave QSLs too - Turkey 182, Monte Carlo 218. Not bad for a quiet month Ray!

DAVID FELDON Rotorua has a lone QSL from 7SD. Thanks David.

GORDON HUTCHISON Kaiapoi advises QSLs from 1YE, YK, YX, 2YC, 3UL, 4YA and 7SD. Reports to 1YZ, YW, YC, ZB, 4YC, YQ.

KEITH ROBINSON Kapuka has reported new Aussie 7SH 1570, 4BH, Batra 1106, 4MK, 3WM and Pakistan 584. Veries Quazvin, 2ZK and KRIO. Meant to headline yr 5PI last time Keith. Sri.

MASAMI ONIZAWA Japan, a regular contributor to our SW pages, has a QSL from HLDA 1570, and fair reception of JOOR on new 1180 on 15/5. Thanks Masami. Pse separate MW notes from your SW notes.

PAUL ORMANDY Oamaru reports letters to OAX4I 1320, 2ZB, HJAD 1330, HJAT Reloj 1300, Malaysia 1475, 885, 1055, HCN2 870, HJCS 930, Brunei 895, ZK1 955. QSLs from Caymans 1555, VL2NI, 2TM, 3N, 3MP, AK, 5SE, 4NA, KHLO, DW Malta 1570. Paul asks who is HJ on 1390? Noted regular around 0500.

DENE LYNNEBERG Titahi Bay has a good assortment of reports out: Pakistan 1035, DXED 1017, DZDL 1423, Festival Radio 1260, RRI Jayapura 1053, HJPM Galeon 1450, AIR Jodphur 530, TWR Monte Carlo 1466, Beromunster 1562. Veries from 7FG, CSB2 1034, DW Malta 1570, Caymans 1555, Iran 557, 1188, 1332. Bahawalpur 1340, Dushanbe 1295 and Festival Radio 1260. Thanks for info.

JOHN ALLCHIN Auckland has QSL'd Cook Islands 600, 2ZG, 3ZA, TR, 5PI. Logged: 2ZG, VM, RG, 3ZA, TR, 4AY, 5PI. Found the other band John!?

ARTHUR CUSHEN Invercargill has reports out to Kuala Lumpur 885, Jakarta 999 and Madiun 1007. Veries from VL2NI, Jumbo 545, Tropicana 540 and 2ZK. EBU list just to hand shows Alexandria I has 10kw on 1197m, as at 1/5/76.

DUNCAN WATSON Edgecumbe advises reports away to KCEY, 1XA, 2NZ, UW, YB, YW. QSLs from 4BC, RK, 2CY, GZ, ZG, YZ and a second from KNX! WRTVH news elsewhere Duncan.

PAUL RAWDON reports CJVB & QSLs WBZ, KPOI & DW Malta 1570 after 2 1/2 years.

# BROADCAST TRAIL

5 MORNING

- EVENING Credit RCh except where indicated otherwise.
- 540 XEWA good 0555 5/5.  
565-566 ?? fair 1133.2YA splash 21/5  
665 Radio Merdaka gd 1100-1130 21/5.  
675 Sonora exc 0422 5/5.  
825 SS quite good 0546 23/4.  
870 WWL good 0525.  
880 OBZ4N good before 1YC 0425.  
910 Aeropuerto good 0525 21/4.  
930 HJCS "Radio Continental" 0500 with Todelar network ident. PO  
953 SS fair 0543, going under. 28/4.  
1005 Colosal good 0500.  
1030 Unid with EE pops 0451-0507 on 22/4. Poor modulated speech.  
1080 KRLD 0515 good with pops. PE  
1085 Colombian off 0500 28/5.  
1090 Unid SS 0458-0558. Ids like Radio Maria, Radio Pasica. Mention of Venezuela. Strong at times. Who?  
1097 SS 0500-0534 fair at times. (Ron Schatz has a Honduran here. Ed)  
1097 Carrier 0457, s/on 0500 28/4 w/ annct "Transmite..Radio.." Much pop music, mainly in SS. Peaking gd till 0536. Spain or Canaries?  
1110 Reloj mxd another SS over 2UW.  
1115 SS good at times. Some EE pops. 0527 to s/off 0555 w/ anthem. Not Peru, HJ or YV. Vg at times 5/5. Id like "Radio Dimunia" 0541.  
1160 SS mxd KSL in 3YC null.  
1170 HRVW "La Voz Centroamerica" hrd briefly 0455 23/5. s/off?  
1214 Albania good in AA 0555 then 'International'. Best ever 28/4.  
1223 RNE Madrid SS lessons 0505 fair.  
1230 Calidad vg 0500 23/5.  
1268 SS here 0452-0532 22-23/4. Id - "Radio Popular". Canaries?  
1300 HJAT Reloj Barranquilla ex 1100 0530 good. PO  
1320 La Cronica 0452 pr. PE. Exc 0530-0550. RCh. "Aqui La Cronica" with 'la musica international' gd. PO  
1330 HJAD "Somos profesionales, somos Radio Vigia, somos Todelar" very good 0525. PO  
1380 Colo Colo strong regular 0540.  
1505 SS quite good 0415-0503. Played 'Ave Maria' 0500½ then annct - "...internacionales con melodia ..estacion Columbia(?)..manana ..kHz..Republica..mundo". Prob. Costa Rica ex nominal 1500.  
1525 Radio Columbia vg 0458 5/5.  
1530 Voz de la Peninsula gd 0540.  
1538 SS poor 0452. (Schatz NRC says HCHG3 El Sol on 1537. Ed)  
1602 German 0510 21/4, 0530-0540 23/4.
- 530 AIR Jodhpur 1730 EE Nx poor. PE  
557 Quazvin good 1830. RCh  
585 RRI Surabaya 1443 fair in II. PE  
611 USSR good 1910. Iran on 612. RCh  
674 Arabic fair 1835 20/4. RCh  
692 Baghdad strong 1910 22/4. RCh  
836 RR good here 1835 24/5. RCh  
885 Kuala Lumpur good 1200. PO  
895 Brunei good 1220. PO  
900 Philippino anthem 1900 mxd 4YC. Assume DYRC? RCh  
955 Burma exc 1245. PO. EE Nx 1454. PE  
968 Bangkok good at times 1838-1902.  
990 DYRP fair-good 1905. Id 1907. →/RCh  
998 Russian good 1905. RCh  
1016.8 DXED Davao City, owned & operated by Eagle Broadcasting Corp. 5kw 1200 till s/off 1300 (1500 Sunday) fair in EE with mx of the 50's & early 60's. Last listed in 1975 WRTVH. Anneces freq as '10-20'. DL PE  
1035 Arabic good 1935. RCh  
1038 Unid AA, soon faded 1553. PE  
1055 Malaysia exc 1230. PO  
1061 Diyabakir mxd who? fair 1905. RCh  
1080 DWAD "CBN Crusaders Network" good 1903. RCh  
1115 Italian fair 1900 22/4. RCh  
1134 RRI Banjarmasin 1411 past 1500 Jakarta nx, good. Korean looped. PE  
1205 Bordeaux weak to fair 1900. RCh  
1212 Peking EE fair 1844-1855 s/off. Freq anned as 1210kHz, 248m. RCh  
1287 RRI Palembang (tent.) Nx 1210. PE  
1313 DYII good 1840-1904 at times, 23/5 "Mindanao Network". RCh  
1385 WXLE 1421 continuous music. PE  
1412 BBC Masirah Is. 1720 EE fair. PE  
1423.4 DZDL Dagupan City hrd 1237 to 1400 s/off. Fair, much fading. PE DL  
1475 Sabah good 1130 (early riser?) PO  
1555 DYLA Tagalog fair 1905, just after apparent s/on, due Daylight Time in Philippines. DL  
1562 Beromunster 1910 fairly good. DL
- TRAIL CONTRIBUTORS: Thank you to Paul Ormandy, Robin Chambers, Dene Lynneberg, Paul Edwards.
- GOULBURN, NSW TRAIL 20th-21st MAY 1977  
Stations hrd by Chris Martin & visiting DXcursioners Bryan Clark & Theo Donnelly on 500m beverage & SPR4.  
545 Uninterrupted light mx here 1705 //535 21/5. Hong Kong??  
602 Reunion FF Nx 1805 good.  
611 Kenya with EE adverts 1715.  
620 Tanzania ident 1859, het Cairo.  
665 Reunion good FF 1725.  
683 Mauritius 1819 religious message  
737 Mozambique id 1759 good, clear.  
concluded page 6.

## CAN-AM REPORT

NORM MAGUIRE Hawaii begins to reap the rewards of his recent trip to NZ and Australia. 83 stations were reported and recent QSLs include KCCN, KRDS, 2KP, NR, UW, WL, RG, GO, CH, BH, GZ, VM, HD, TM, EA, UE, KJNP, KTN, 3EA, GL, ZZ, BO, DB, VL2NI, KBC, JOSF, 7BU, AD, SD, 4KQ and 4AK. 59 countries verified now and the total inches towards 3000! Norm sends thanks to all those in Christchurch, Invercargill, Sydney & Melbourne who made his stay so enjoyable. Sorry missed you. Out DXing!

STEVEN GREENYER Invercargill has QSLs from 7X1, Vision 950, Tahiti 740. Don't recall report on YVKG Steven.

ALAN GILMOUR Greymouth has a good selection of reports out: Labasa 810, KPOI, Calcutta 1130, CMW, VS21, KHVH, AFNT 1550, RRI Biak 1044, Pyongyang 1135 (good luck with that one!), XEUR and OAX4I. Veries from Calcutta 1130, KHVH and Labasa 810. Thanks Alan.

BRYAN CLARK Wellington has verified KHLO, 2KM, EA, 3XY, GL, 4MB, Caymans 1555, Festival Radio 1260. Logged at home Festival 1260. Reported from Goulburn NSW: Lusaka 818, Kenya 746, Tanzania 620, Reunion 665, Voz da Africa Livre 1002.

PHIL BROOKS Wanganui advises reports to 3MW 1090 and 2RE. QSLs from 2MO, 2CC, 2GF and K TSA. Tx for news Phil.

TREVOR PHILLIPS Forirua has verified 2CC and KHVH. Reports to VOFA 1580, Pyongyang 655, KHVH, WXLE, Fiji 710, KFBK, VS21 844 and KNX. Keep it up!

IAN CATERMOLE Blenheim reports another busy month with reports of JOUF, JOUR, JOIB, JOJK, AIR 1130, 7AD, 6ED, TZ, 5AA, 4RO, YA, 2GL, YW, YM, 1YA and 2nd to WVUV. Rewards from 2HD, KO, LT, YM, YW, AD, 3WNMA, UZ, CS, YB, 4GR, AY, 5AD, 6PM, 7LA, WBZ, JOOR, ZK12C, VS21, JOOR and JOIB. Thanks for offer. Will keep in mind. Your difficulty understood. Have taken up your other point with HQ once again. Regards.

GOULBURN TRAIL continued from Page 5

746 Kenya with VOA transcript 1912.  
809 Uganda fair 1750. 908 at 1730.  
818 Zambia EE talk/interview 1835.  
1002 Voz da Africa Livre s/off with PP ident, Ex 998 21/5.  
1115 Pop music 1825, wishfully SABC?  
1233 Indonesia, RRI Pontianak? 1045.  
1250 Vladivostok over Aussie 1045.

ARGENTINA LRA7 Radio Nacional de Cordoba has been observed on 750kHz. BEC MS

MEXICO XEROK 800, currently 125kw, has asked the Mexican government for permission to increase to 500kw. They hope to go to 480kw by late this year. A lot of work is being carried out on antennas at present. All shows are taped in El Paso Texas 24-48 hours in advance, and carried to the transmitter site at Ciudad Juarez. Harrington

800 XEMMM is Radio Embajadora. IRCA  
950 XEGM now 25kw days, 5kw nights. XEFA power is 500 watts.  
990 XECL ident "CL Radiorama".  
1150 XERM ident "Radio Sensacion".  
1260 XEOG is 250 watts, nights.  
1450 XEQU is inactive.  
1470 XEBBC ids as "RCN de Tijuana".  
1490 XEAQ name is "XEAQ, Canal 14-90, Canal Juvenil"

XEDJ is inactive. Dick Clark NRC

PERU Radio Bicolor 990 with 10kw and 24 hour operation is new. Nigro SCDX

HONDURAS "Radio Honduras, the official voice of the Government of the Armed Forces" in Tegucigalpa, operates on 880kHz. BEC MS (c)

24 HOUR LATINS noted on a recent visit to Caracas: Radio Mundial 550, Radio Continente 590, Nueva Granada 610, Ondas Portenas 640, Rumbos 670, Caracas 750, Aeropuerto 910, Vision 950, Exitos 980, Tricolor 990, Radio Mil, Moron 1000, Ondas del Caribe 1150, Tiempo 1200, Impacto 1260, Armonia ex Guaicaipuro 1360, Melodia 1600.

César Objío NRC

ROBIN CHAMBERS Opunake has reports off to RRI Jayapura 1052, 5MU, Festival 1260 (well done!), Bangkok 968, DWAD, OAX4I, Merdeka 665, 4CD, DYII, China Ext. Svce 1212. Veries: CRL Antigua 1165, HJLK (12mths), KFAX, Festival 1260, 5MU, RRI Jayapura 1052 and Caymans 1555. Trying to write Robin!

NEVILLE HENRY Kent England spares us a moment to advise UK loggings of BBC Brighton 1484, Luxembourg 1439, Belgium 926, Stavanger 1313, BBC Birmingham 1457, BBC Derby 1115, Radio Forth 1546, Hallam 1546, Penrine 1277, Picadilly 1151, Iceland 665, Beacon 989, IBA Birmingham 1151, BBC Oxford 1546, IBA Reading 1430. UK veries - Radio Brighton, Radio Derby. NZ veries: Nancy 1349, Cordoba 1475,

and longwavers Allouis 164, Monte Carlo 218, Turkey 182. Tx for letter Nev!



While it's not the season for TV/FM DX, quite a lot of news on hand....

FM CAPPING RADIO IN AUCKLAND John Allchin reports: FM Capping Radio was organised and run by a group of senior students from Auckland University as a Capping stunt to show the benefits of FM broadcasting, and to raise funds for the Society for the Intellectually Handicapped, the Laura Ferguson Trust, and the Student Trust for Handicapped Persons. The station broadcast from several transmitters in the Central Auckland area, on a frequency of 91.5MHz with a power of 30 watts, over the two weekends of Capping Week - the hours of broadcast were 8pm till midnight Friday 29 April, 11.30am Saturday to 12 noon Sunday of the ensuing weekend, and from 9pm Friday 6 May through to 2am Monday 9 May, a total of 81 hours and 30 minutes on air. FM stereo coverage was achieved from Whitford, Henderson and Torbay, indicating a radius of reception of between 20-30 miles. Drury is about 27 miles south of Auckland Central. The total amount pledged during this capping stunt was \$560.40, and the organisers were kept on their toes as Post Office authorities were hot on their trail. Ian Hitchiner says he found them on a frequency of 95.5MHz with very weak signals and fading every 90 seconds or so, during the first weekend on air. The signal was much stronger during the second weekend, with the frequency changed to 91.5MHz. Polarity was vertical and transmissions in stereo. The broadcast consisted of all types of music, from the latest through to light classical.

AUSTRALIAN FM NEWS ABC/FM verifies with the current ABC MW/SW QSL card, over-stamped "ABC/FM". All reports should be sent to ABC-FM, Box 2451, GPO, Adelaide 5001. AN BC 2MCE-FM, run by the Mitchell College of Advanced Education, 37 miles east of Orange, NSW, was opened on 18/2. AN. 2MBS-FM frequency was listed as 102.5MHz instead of 92.1, in a recent issue of the Sydney Morning Herald. JA asks if this is their frequency change to avoid QRM from 2ABC-FM 92.9? The address of 2MBS-FM is Music Broadcasting Society of NSW, 76 Chandos Street, St Leonards 2065. BC Info from Ash Nallawalla, John Allchin, Bryan Clark.

STEPHEN LILLIS Auckland, advises that he logged TV1 Te Aroha Ch1, TV2 Te Aroha Ch3 and TV2 sound only Ch5, earlier this year. A friend received the ABC-TV test pattern on NZCh3 at 0130 GMT 19/2, with only an indoor aerial. Stephen is building a 5 element aerial out of an old 3 element.

TELEVISION RECEIVERS (Part 8 of a series on TV/FM DX by Brian Oliver, Kerikeri) An elaborate receiver is not needed to DX on TV. The set should be in good working order so that you don't miss some prize reception when those weak tropo stations are coming in! If you own a valve set, give some thought to having it checked over. Valves are being phased out this year (1977), with 2 leading world manufacturers having already ceased production.

The set's sensitivity may be down, perhaps showing a slight increase in snow on the local station, or if it's over 6 years old I suggest you have the RF valve in the tuner replaced. This is the one closest to the ribbon aerial lead entering the tuner. Sometimes the first IF valve on the main chassis may need replacing. This is identified by being near the point where the round coax cable from the tuner enters the main chassis. The tuner should be free of intermittent contacts when selecting a change in channel. If not, have it removed, and each contact carefully cleaned using 'Brasso' applied with cotton buds, and polished off. (Important: These jobs should be attempted only by suitably qualified persons, and of course the set must be unplugged from the mains before the cabinet rear cover is removed.) Modern transistor sets incorporate tuners which do not suffer from these disadvantages and should need no attention. The Vertical Hold control (not present on most modern colour sets) should be set to a position just before the picture slowly rolls, and not to the flickering multiple pictures end of it's range. (This should be easy to do, with a definite shift in the control between these two states.) The set should now easily lock on weak snowy signals. If not, have it serviced for 'sync' problems.

Your set is now capable of receiving NZ and Australian stations without bother, although NZ manufactured sets do not cover Aust Ch3, 4, 5, 5A and 11. This can be overcome by fitting a suitable Australian tuner to your set, or fitting those channel cards into the spare positions of your existing tuner. This will have to be done professionally. You will also be able to receive

## Broadcast

## LEAGUE LADDERS

## Shortwave

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DIVISION	Dec	June	Inc	Cnt	DIVISION	Dec	Jun	Inc	Cnt
<u>GOLD STAR(over 1250)</u>					<u>GOLD STAR(over 1250)</u>				
Norman Maguire	2873	2926	53	59	Arthur Cushen	4333	4396	63	240
Arthur Cushen	2215	2225	10	145	Dene Lynneberg	2062	2115	53	190
Merv Branks	2101	2110	9	132	John Mainland	1270	1318	48	179
Keith Robinson	2065	2077	12	110	Ray Crawford	1270	1317	47	152
Laurie Royer	1285	1295	10	94	<u>GOLD ACE(1001-1250)</u>				
<u>GOLD ACE(1001-1250)</u>					Ray Babbage	1210	1229	19	121
Ray Crawford	1077	1125	48	129	Bryan Clark	1101	1120	19	169
<u>SILVER ACE(751-1000)</u>					John Durham	1089	1118	29	133
Sutton Burtenshaw	858	882	24	97	<u>ACE(501-750)</u>				
Robin Chambers	833	862	29	-	Jack Searle	740	801	61	107
<u>ACE(501-750)</u>					Lindsay Robinson	743	758	15	116
Dene Lynneberg	696	721	25	88	Paul Aronsen	562	583	21	-
Chris Martin	520	552	32	135	Paul Ormandy	457	554	97	120
David Ricquish	506	515	9	47	Austin Hadler	451	514	63	78
<u>SENIOR(301-500)</u>					<u>SENIOR(301-500)</u>				
Paul Aronsen	432	433	1	-	Jim Benzoni	451	468	17	88
Ray Babbage	397	407	10	35	Peter Greener	-	414	-	84
Bryan Clark	393	414	21	81	Alan Gilmour	-	424	-	84
Hank Wilkinson	389	400	11	70	Lance Johnston	391	405	14	70
Paul Ormandy	269	311	42	45	Brent Allred	338	397	59	52
<u>INTERMEDIATE(151-300)</u>					Bruce Cavanagh	362	394	32	93
Lance Johnston	277	278	1	30	Steven Greenyer	339	347	8	124
Jim Benzoni	237	238	1	23	Paul Rawdon	319	341	22	114
Alan Gilmour	-	233	-	28	Cecil Symes	307	323	16	74
Jack Searle	162	165	3	18	<u>INTERMEDIATE(151-300)</u>				
Ash Nallawalla	158	166	8	18	Bill Vogel	258	287	29	104
Paul Rawdon	139	165	26	20	Paul Edwards	244	264	20	125
<u>JUNIOR(51-151)</u>					Ian Cattermole	142	257	115	61
Andrew White	123	134	11	14	Jack Farrow	230	238	8	48
Bruce Cavanagh	124	129	5	20	<u>JUNIOR(51-150)</u>				
Ian Cattermole	108	172	64	17	Alex Wellner	140	147	7	71
John Allchin	104	134	30	15	Ian Wells	125	128	3	57
Philip Brooks	-	125	-	16	Leigh Morris	125	127	2	63
Gavin Bennett	-	114	-	18	David Feldon	101	105	4	27
Leigh Morris	94	99	5	23	Gordon Hutchison	48	73	25	23
David Feldon	61	64	3	8	Ash Nallawalla	64	64	-	36
Jack Farrow	52	54	2	4	Andrew White	61	61	-	28
Trevor Phillips	-	54	-	41	David Ricquish	-	61	-	38
Gordon Hutchison	41	51	10	4	Ian Hitchiner	-	59	-	30
<u>NOVICE(1-50)</u>					<u>NOVICE(1-51)</u>				
Steven Greenyer	44	47	3	25	Bill Jolly	-	47	-	19
Alex Wellner	16	20	4	5	Tim Mc Sween	-	46	-	23
					Craig Strathern	-	38	-	-
					John Allchin	-	10	-	-

WINNERS: BROADCAST Gold Star, N. Maguire, Gold Ace, R. Crawford, Silver Ace, Robin Chambers, Ace, Chris Martin, Senior, Bryan Clark, Intermediate, P. Ormandy, Junior, Ian Cattermole, Novice, Gordon Hutchison.

SHORTWAVE RESULTS: Gold Star, Arthur Cushen, Gold Ace, Bill Huddleston, Ace, Jack Searle, Senior, Paul Ormandy, Intermediate, Bill Vogel, Junior, Ian Cattermole, novice, Gordon Hutchison.  
Congrats to all you winners, remember the next ladder is in August.

My apologies for missing Bill Huddleston from the Gold Ace list. Bills totals are 1014 - 1062 - 48 from 123 countries.

There are still a number of late entries arriving after closing date, these will not be included. Also welcome to new faces to the Ladder, Ian Hitchiner, Bill Jolly & Tim Mc Sweeney.



# DXCURSION

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The itinerary for the League's second DXcursion to Australia centred around a 10-day camping holiday in the outback of Victoria, South Australia and the Northern Territory, with almost 2000 miles of coach travel over mainly dust tracks into the country's heart - Ayers Rock and Alice Springs. This adventure was shared with 40 others - Australians and Americans of all ages, and will be long remembered by all who participated. The busy programme meant that DXing was limited, but Bryan Marsh with his new National DR22 and Bryan Clark with a Realistic TRF both found time to listen in along the way. More importantly, there were friendships to be made and renewed with DXers and radio people from Melbourne, Adelaide and Sydney.

From our arrival in Melbourne on 4 May, we were royally treated by local League members and by Radio Australia. Keith Glover caught each DXcursioner for a 'Club Forum' interview and we were also entertained by duty announcers Helen Jackson and Michael Cole, and by Marylou Jelbart. In the Correspondence Section, Officer-in-Charge Les Gould showed how a staff of 5 (reduced from 12!) was coping with 225,000 items of listener correspondence - 1000 letters each working day! Japanese mail made up 46% of all mail received in the 1975/1976 year, compared with 26% in 1973/74. Later, Theo Donnelly - news director of ethnic radio CJVB Vancouver, Canada visited Melbourne counterparts 3ZZ and 3EA. Incidentally, Theo was easily identifiable as a DXer, even without a receiver in tow - he was usually sporting one of a colourful range of T-shirt -s, promoting CJVB, KJR Seattle or the CBC!

Harry and Maroline Weatherley hosted a memorable evening at a secluded restaurant in the Dandenong ranges, south of Melbourne. This was followed by an enjoyable supper at the home of Keith and Gwen Glover. For these functions we were also accompanied by the Whittingtons, the Schenks, the Cooks, John Newman from Tasmania, and Geoff Cosier of DUDXC. The following day, Harry, John, Dick & Noel Whittington joined us for a day-trip to northern Victoria and Shepparton - home of Radio Australia's main transmitting base. Four 100kw, three 50kw and one 10kw transmitter were seen in operation, along with a special demonstration of the giant antenna-switching complex. The various antenna arrays were toured by mini-bus. Before returning to Melbourne, we called into 3S (1260kHz). Following a tour of studio facilities, Tony King was interviewed on-air, and explained the DX hobby and DXcursion to listeners in Shepparton and the Goulburn Valley areas.

DX listening in Melbourne included 2YA Wellington and RRI Surabaya 585, both heard on the Realistic regularly without external antenna. In fact, these two stations remained with us throughout the trip, although 2YA was covered by 4JK through most of the Northern Territory listening. The 1000 GMT National News kept us up-to-date with happenings at home on many nights.

Our Camper Tour commenced 7 May, and on our first night on the road, we rendezvoused at Murraybridge South Australia with Southern Cross DX Club members Keith Barton, Roger Gammon and John Williams. An enjoyable evening was spent discussing DX and related topics. Next overnight stop was at Port Augusta, 200 miles north of Adelaide, and stations noted here at 1800 GMT on the TRF included 4ZB, 4YC, 3YZ, 2ZB and Radio Windy. Coober Pedy, source of 95% of the world's opals, was an interesting stopover, with our sleeping quarters some 15 feet below the surface in a large man-made cave. Even so, Australian stations between 530 and 900kHz were well heard. Bryan Marsh noted Radio NZ 6105kHz at very good level 0900 GMT. At Ayers Rock there were no readable daytime signals on MW (Alice Springs 200 air miles away), and night reception was hampered by continuous electrical storms. Our next and final outback stop was Alice Springs itself. As we approached the town, a tune around the band at 6pm local time revealed 4QG 590 (1100 miles) as the strongest signal. 5AA 1390 (900 miles) was good, 5AN 890 very good, and 3S 1260 fair.

On 16 May it was back to the 'big smoke' and hospitality from Jack Buckley and Chris Martin in Sydney. Although DX conditions at Chris' location were not up to scratch, it was interesting to hear NZers all over MW at...Concluded Page 18

# PENNANTS POST

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**CHILE** Radio Universidad de Concepcion 6135. Very small shield-shaped pennant or pocket patch. Blue legend and border on yellow background. (Edwards)

**ECUADOR** Emisoras Gran Columbia 4912. Large shield-shaped pennant in a silk material, decorated with station name, location, frequencies, a microphone & sporting events depicted, plus slogan. Very attractive. (Edwards)

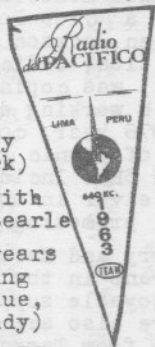
**FRANCE** Radio France International. Oblong two-tailed pennant in blue & white on plastic, with French legend on one side, English on the other. (Searle)

**NORTH KOREA** Radio Pyongyang sent a colourful pennant, 22.5cm long, blue and white in colour, with picture of horse & rider statue, and legend in Korean & English. Also sent a lapel badge, slightly larger than 10c coin. (Ormandy)



**PERU** Radio Union 6115. Attractive small red & white pennant in flag style, bearing name of station, frequencies and location. (Edwards)

Radio del Pacifico 4975. 13th anniversary pennant on blue silk. Text in white, cross and microphone superimposed on map of Peru, all in gold. Totally unexpected, having been promised to me back in June 1974! (Clark)



**TAIWAN** Voice of Free China. 8 inch long green pennant in cloth, with English & Chinese writing in yellow, and large inscription "BCC" (Searle)

**VENEZUELA** Ecos del Torbes 4980. Beautiful pennant celebrating 30 years of broadcasting. Features outline of Venezuela, with tower radiating signal, details of location and frequencies. Pink, gold, white, blue, on a black background. 23.5cm long. Well worth having! (Ormandy)

Thanks to Paul Edwards, Jack Searle, Paul Ormandy and Bryan Clark. If you've received any new and unusual pennants lately from shortwave broadcasters, let us know for "Pennants Post". The pennants illustrated are, of course not those referred to by contributors.

## TELEVISION RECEIVERS Concluding from page 7.

other countries, although perhaps not as well without the set being modified to accept the various standards. Trouble may be experienced in locking the picture from a 'tearing' state, although the sound should be readable in most cases. Remember to use your fine tuning for best results, and if you own a colour set with preset channel selection, become thoroughly familiar on how to tune it from the handbook instructions.

Next in this series, we discuss FM Receivers.

Brian Oliver

## continuing... AUCKLAND LEAGUE GET-TOGETHER...from page 2.

..the reforming of the Auckland Branch of the League. All interested Auckland and provincial members are invited to attend this next meeting which will be held at Barry Williams, 4 Kay Drive, Blockhouse Bay at 2pm Sunday 24 July. Please bring along your QSLs, DX notes, receivers and queries. Also please give consideration to the formation and running of a League branch in Auckland. For further info, please contact Bill Huddleston 8183178 or Barry Williams 679070. The last two get-togethers have been most interesting for all, and the FRG7 receiver has been on display each time. At the 5 June meeting Graeme Masey demonstrated his loop and RF amplifier and Bryan Marsh gave an interesting talk with photos on the recent DXcursion to Australia. A welcome was extended to 4 newcomers - John Allchin, Nikos Tetrosis, Mike Pijacun and Peter Greener. (Eds note: we wish the Aucklanders every success!)

WORLD RADIO TV HANDBOOK 1977 Although every effort was made to avoid delays, the surface copies of the WRTVH 77 did not reach Arthur Cushen until 3 June, the latest they have arrived in the 31 years that Arthur has handled distribution of the publication. He asks all those involved to accept his regrets, and says that all investigations both in NZ and Denmark failed to determine the reason for delay, even though shipment was registered.

Most of the following stations have been heard in the past month; stations & countries not heard have been bracketed eg (BURUNDI), with notes provided on the most likely times of reception. Receiver is an Eddystone 680X with two longwire antennas - 15 and 17 metres in length. Good listening!

- AFARS & ISSAS 4780 fair 1830 with het over Russian station.
- ALGERIA 7245 s/on in FF 0600. Fair past 0700. (15160 AA around 0730).
- ANGOLA 4820 poor s/on 0459. Fair by 0520. 2123 also. Vernacs & PP.
- ASCENSION ISLAND BBC Atlantic Relay 7105 EE fair 0328.
- BENIN 4870 0515 past 0600 vg. Also 1750 past 2120. Mostly in FF.
- BOTSWANA 4845 0456. Nx 0507, EE nx 0507 then local music. Poor.
- (BURUNDI) All stations nationalised. Try 6140 around 0430, 4900 at 0500 or 1800-1900, also 3973kHz. A difficult one!
- CAMEROON Yaounde 4972½ 0511 EE Nx Fair. 1849 past 1925 poor-fair. Garoua 5010 0457-0513 poor, 1850 poor. Buea 3970 1832 Nx fair.
- CANARY ISLANDS RNE Relay regular in SS. Watch Bandwatch for this.
- (CAPE VERDE IS.) 3885 2000 s/on in PP. 3930 2030 s/on weekdays. 1600-0100 Sat/Sun. Both in PP. Difficult.
- CENTRAL AFRICAN EMPIRE 5038 strong FF past 0500. (Mornings around 1730)
- CHAD 4904½ 0430 s/on in FF. Vg past 0530, AA 0505. 1730 AA clear. Later in FF vg. Still here 2100.
- (COMORO IS.) 3331 try before sked s/off 1930. 4kw. Difficult one!
- CONGO 4765 1830 poor in FF. (Good in past years around 0430-0500)
- EGYPT 9475 0320 vg to Nth America in EE sked 0200-0330. Many others.
- (EQUATORIAL GUINEA) Malabo vernacs & SS on 6250 0500-2300. Equatorial 4926 0445 or 1800 best times.
- ETHIOPIA 6015 Voice of Revolution - ary Ethiopia 1620 Amharic good. EE id & nx 1632. Mixed from 1630.
- (GABON) 4777 not yet hrd this year. Usually around 0500 and 1800 in FF. 4830 later in year abt 1915.
- GHANA 4915 0537 vg. EE Nx 0600. Nx in vernacs 0615. 4980 commercials 0540. EE nx 0600 fair. Fair 1840. 3350 at 0548. EE nx 0600 poor.
- (GUINEA BISSAU) Last hrd around 0700 in PP on 4780. Moved?
- GUINEA 4910 FF fair 0615. 1915 poor.
- IVORY COAST 4940 FF s/on 0600. Vg past 0630.
- KENYA 4885 fair native mx 1826. 4915 probably at 1830. (Watch 4804 in EE same time period.)
- (LESOTHO) 4800 irregular 0500, but Latin currently here. S/off around 2030.
- LIBERIA 3227 0607 int. sig drums, vernacs. Nx ? 0630. Poor. 4770 relig fair 0654. 1903 EE Nx, improving, hrd past 1940. VOA Relay regular on International Bands.
- (LIBYA) 6185 in AA around 1800 and 0600.
- MADAGASCAR 7285 Nederlands relay II 2150.
- MALAWI 3380 mainly EE 1926-2100 fair-gd.
- (MALI) 60 metre freqs vary. Reception possible in 0630 and 1830 periods. 5995 in FF around 2200. 11960 tentative 1730.
- MAURITANIA 4845 good 0605 and 1858. Always
- MOROCCO 9615 AA 2151 mixed, fair. VOA relay on most international bands too.
- (MOZAMBIQUE) 4865 s/on 0530 in PP. Has EE Voice of Zimbabwe prgm 1800. 3210 PP. 4925 and 3338 from 1900.
- NIGER 5020 s/on in FF 0530, fair.
- NIGERIA 4990 0503 past 0616 poor to good. 7751 past 1907 poor-fair. 5965 0539 EE & vernacs. 15120 s/on 0645. EE 0730. Fair.
- RHODESIA 3396 1834-2100 poor-fair. 0512.
- RWANDA 7225 DW Kigali EE to Africa 0443.
- (SAO TOME E PRINCIPE) 4807 sked 0530-2300 best bet around 2100 in PP. Hard!
- SENEGAL 4890 FF s/on 0600 fair.
- SEYCHELLES FEBA on many frequencies in 31 and 25 metre bands. Check Bandwatch.
- SIERRA LEONE 3316 0643 fair. 1856 poor.
- (SOMALIA) 7121½ at 1530 before BBC 7120 s/on 1600. Hargesia 11646 s/off 1630.
- SOUTH AFRICA RSA 4875 EE 1620, Dutch 1700, FF 1800, PP 1900, FF 2000, EE 2100 vg level. 3230 RSA s/on in PP 1858 poor. SABC EE Service on 3965 with Nx 0500 & 2100 good. 3285 in EE 1920 past 2040 good. Afrikaans Service 3320 0435-0510, 1924-2035. 3955 at 0503 and 2100 with Nx. Springbok commercial svce 3250 1920-2020. 3980 0440 mixed, poor. 1928-2100. Mixed, later dominant.
- SUDAN 5039 2000 improving to s/off 2200.
- SWAZILAND 3223 Swazi Commercial 1821 past 2000 in EE Suns, Indian langs often. (TWR now on 90mb in EE. See back of May Times.)
- TANZANIA 5050 Swahili 1915 & earlier. Fair
- TOGO 5047 0527 int. sig, FF s/on, good. 1815 past 1940 in FF, vernacs. Good-very good.
- (TUNISIA) 11970 or 15225 around 2200. 7275, 11970 at 0600. 15225 at 0700. All AA.
- (UGANDA) 4976 EE 2000-2100 winter. 1700 in summer. External Svce harder to hear.
- UPPER VOLTA 4815 s/on FF 0558, pr. 1905.
- ZAIRE 15350 FF 1836, poor. Better in summer. (15245 // .4839 & 4750 at 0430, 1800-1900)
- ZAMBIA 4911 0519 EE Nx. Very poor. Better 2010-2104 off.

# Shortwave Mailbag with Tony Marr 12

Once again, Queen's Birthday Weekend is behind us, and I hope that it brought forth a good crop of loggings for many of you. The lower frequencies are proving fairly good this winter, with many signals around in the late afternoons, and many Africans lasting well until past 2000 GMT. Benin on 4370khz appear to be verifying promptly now, so that should be an easy catch for most, with its strong signal most days. Now to the mailbag;

BARRY WILLIAMS Auckland has pride of place this month with QSLs from FEBA 11810 11845 DW Antigua 9545 5960 9690 DW Kigali 7225.

IAN HITCHINER Auckland is having good returns with MHK 17880 FEBC 11890 PNG 2410 Oslo 15175 RN 6165 WYFR 6155 RCI 17820 RSA 11900 Athens 9655 WQFC 17890

IAN CATTERMOLE Blenheim has a lengthy list; Kuwait 11940 FEBC 15390 11765 P&P 15295 Vatican 11705 PNG 3305 TWR Bon 9570 Athens 9760 Sudwestfunk 7265 FEN 6155 RRI Surabaya 3975 VLW9 9610 VLW15 15425 VLR9 9680 VLH15 15230 VOA Tangier 9760 Oslo 15135 RFI 15265 15315 Cook Is 5045 HCJB 15310 9760 Pakistan 17830 21590 Iraq 9745 RRI Jayapura 6070 NHK 11875 Finland 15260 DW 9650 9735 N. Dist 2468 Pyongyang 7203 BBC 9635 BBC Cyprus 21660.

JOHN MAINLAND Wellington has QSLs in from Kuwait 9580 12085 TWR Bon 9575 WYFR 11885 ORF 15105 FEBA 11785 11845 RFI 6195 Sofia 7115 Lisbon 4865 CBC 9535 El Mundo 11755. Ta.

STEVEN GREENYER Invercargill has them in from FEBA 11785 Portugal 4865 100kw Cultura 3365.

PETER GREENER Auckland has 21 away, QSLs from AFAN 6012 Veritas 9645 Seoul 9525 Libya 6185 Malaysia 15290 NHK 11960 RN Bon 9630 FEBA 11800 DW Antigua 5960 Vatican 11705 DW 9545 Benin 4870.

PAUL EDWARDS Wellington has 35 out, replies from RRI Sibolga 5260 Surabaya 3975 Tanzania 5050 Grenada 15105 FEBA 9700 SABC 4835 RRI Gorontalo 4900.

ROSS GIBSON Christchurch has 4 back from Iran 9022 IBA 9009 Benin 4870 Brazil 11780. Good to hear from you again, Ross. Keep them rolling in....

PAUL RAWDON Lower Hutt has a loner in from DW Kigali 15410. Better than none, though.

BILL VOGEL Adelaide has 3 out, but quite a few more back; TWR Monaco 7105 Audi 17375 RN 9895 AWR/ Sri Lanka 15425 Malta 6080 Vilnius 15100 DW Kigali 17825 DW Antigua 9690 FEBC 11765 SBC 9560 Moscow 17700 9780 11940 Tanzania 4785 after 7 months. Yes, well worth waiting for.

CECIL SYMMES Wellington has QSLed RAI 21690 Sri Lanka 11955 RA 11705 11810 DW Antigua 9545 BBC 3975 VOA Delano 15250 Iraq 9745 RCI 9620. Cecil is touring Nth America till late August. Bon voyage....

MASAMI ONIZAWA Japan has had replies from Bandeirantes 6185 Brasilia 11780 Sweden 17775 33B RSA 21535 Iran 9022 Kuwait 12085 Bucharest 11790 RNE 11920 LRX 11755, and there were pennants from Bandeirantes and Iran. Very good.

JACK SEARLE Haumoana has 23 out and an equally large list of returns; Lisbon 4865 15340 HCJB 9585 Tashkent 9600 NHK 9590 Sweden 11735 Sofia 7115 9530 CRF 15105 11870 RFI 17700 17740 15115 Hanoi 12035 Budapest 9585 with pennant DZF9 15390 Pyongyang 6338 also with pennant RA 15190 VOA Tangier 9760 RCI 9635 VOA Monrovia 15445 Benin 4870 RRI Jayapura 6070. A good collection. Yes, I certainly would count them, Jack, but I guess it's really a matter of personal preference as to whether you want all the details on the verie....

TREVOR PHILLIPS Wellington has sent 12 out, and has QSLs from Peking 11720 with pennant Bucharest 11830 Brazil 11780 AWR Portugal 9670 Athens 9655 P&P 7350 Taiwan 17890 Tashkent 9540 Lisbon 11925 NBB 6055 RN 9895 Veritas 9645 KGEI 5930 Tunis 15225 Pyongyang 7230 RFI 9550 Cairo 9475 VL2UV 1750 Iran 15260. Very good.

DENE LYNNEBERG Wellington has 18 away, replies from DZE9 11765 RN 9895 RNE 6100 Sweden 9665 Lisbon 4865 Guinea Bissau 4780 Tashkent 6025 Peking 15080 Nigeria Bukuru 5965 Kuwait 12085 LRV 1755 BLBC 4940 ZK6

SHORT WAVE BANDWATCH

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BRENT ALLRED Christchurch begins our second page with veries from Vatican 9645 VOA Phil 15290 RN Bon 9630 IBA 5882 Monte Carlo 7105 SBC 9590.

DES DAVEY Te Kuiti has 5 out, QSLs have appeared from RCI 11865 Tahiti 15170 NHK 6030 15195 5990 AFRTS 11790 SBC 6165 9535. Ta.

BILL JOLLY has 13 in the mail, and replies from Brazil 11780 SBC 6165 Budapest 17785 IBA 9009 12045 Cuba 17885 RNE 11945 HCJB 6130 11915 RNZ 15130 Peking 15060 with pennant also 11720 Sweden 15305 17795 RNZ 6105 P&P 19 and 25mb Moscow 7100 21515 VOFC 11825 RN Bon 9715 FEBC 11765 NHK 9585 15235 Lisbon 9740.

PAUL ARONSEN Invercargill has QSLed BBC 3970 Tunis 15225 RFE 7145 Sweder 11775 WYFR 9715 RFI 7135.

TIM McSWEENEY Queensland has 6 out, replies from VOFC 11825 15345 17890 RN Bon 9715 RN 17810 NHK 15235 17880 Moscow 11690 IBA 11655 SBC 15430 RBI 15115 PNG 3925 Singapore 11940. Good.

GORDON HUTCHISON Kaiapoi has a fair list with VOA 21610 6035 9530 17710 21485 RA 5995 17795 17870 TWR Monaco 7105 BBC 7120 ;:750 DW 9545 21540 Bucharest 9570 9690 11940 Sofia 9700 RAI 11905 RNE 11935 Moscow 11970 IBA 12025 SBC 21520 AFRTS 17765.

ARTHUR CUSHEN Invercargill has QSLed PRLS 9665 DW Antigua 9735 Iraq 9758 HCJB 9585 FEBC 15235 Nth Sol 3322 Algiers 7245 Kabul 15230 Cairo 7120 17920. Ta.

JOHN DURHAM Meremere has had replies from WINB 15335 Jayapura 6070 FEBA 9700 15280 11845 Kuwait 9580 RNE 6100 9505 Fidei 6185 Barquisimeto 9510 Serpukhov 17730 Miri 6060 Hiroshima 3607. Very good.

JOHN ALLCHIN Auckland has 26 out, and tells of a note he received from RCI in which they said they hoped to re-instate their Pacific transmission in a year or two. I suspect 6205/6210 may be the old Radio North Sea International, but exact location doubtful as yet.

BRYAN CLARK Wellington has sent 6 away and has QSLed DW Antigua 9545 SABC 4810 Benin 4870.

DAVID FELDON Rotorua has 3 back from IBA 7412 Lisbon 9740 Bucharest 9570.

RAY CRAWFORD Invercargill has none out, but veries from Algiers 6145 Athens 9655 9760 FEBA 9700 11785 RN Bon 9630 Lisbon 4865 Calama 6100. You've got to send them out, too....

ALAN GILMOUR Greymouth has 2 off, QSLs in from RNE 11880 Iran 9022 SBC 9560 Budapest 15160 LIG6 11870 LLH 9645 Bangla 15410 Riyadh 9730 DZH8 11765 IBA 15465 9425 Bucharest 11830 ZYF263 11780 Luxembourg 6090 Finland 15260 FEBA 11845.

TONY MARR Wellington has a couple in from PNG 4890 and Benin 4870 to bring the total to 205.

## BEST OF THE MONTH

OVER 9MHZ

RAI 21690khz 100kw 97 points

Cecil Symmes

UNDER 9MHZ

Andorra 6230khz 3.5kw 115 points

Paul Ormandy

VOICE OF AMERICA

RELAY BASES



This is the title of an interesting publication by well known DXer and Director of Adventist World Radio - Asia, Adrian Peterson. The result of many years of research is contained in this 16 page offset-printed booklet, released as the VOA celebrates it's 35th birthday. Not only is there historical data on transmitter sites in the USA, but also sites in Africa, Europe, the Pacific, Asia and those on ships. The price of this unique publication is 6 IRCs or equivalent of US\$2 for surface mail, 9 IRCs (US\$3) airmail. Send your order to ARDXC, P.O.Box 227, Box Hill, Victoria, Australia 3128.

# SHORTWAVE BANDWATCH

coordinated by John Mainland



Reception from stations in Africa and Latin America is now peaking on the tropical bands. Swazi Commercial Radio on 3mHz and Omdurman Sudan on 5mHz are two African signals of interest. Recently Omdurman has been heard on their 11mHz channel around 0400 GMT. Radio Voice of Revolutionary Ethiopia, using the former ETLF facilities, has been heard by several on the 49 metre band. Test transmissions on 6205 and 6210kHz would appear to originate from Radio Nordsee International on motor vessel Mebo II, reportedly off the Libyan (North African) Coast. Broadcasts from the Cyprus Broadcasting Corporation at Nicotia, using BBC facilities, are heard 3 days a week on 7 and 9mHz.

TIMES ARE GMT (add 12hrs for NZT) FREQUENCIES IN KILOHERTZ

<u>FREQ</u>	<u>TIME</u>	<u>COUNTRY</u>	<u>STATION</u>	<u>PROGRAMME &amp; RECEPTION</u>	<u>DETAILS</u>	<u>INITS</u>
2370	1405	INDONESIA	RRI Surabaya	fair with II news.	Jakarta nx relay 1500. Some telegraphy interference.	DL PE
3195	1655	IRAQ	Baghdad	with ident & nx 1700.	poor. Lang not known.	CS
3223	1821	SWAZILAND	Swazi Commercial Radio	EE sunday 8/5. Radio Truro prgm 1900 to t/out 1925.	Poor. PE 1900 Radio Truro in Indian dialect, fair to 2002 EE ident "This is Swazi Radio, the International Sound." EE pops prgm followed.	DL
3227	0610	LIBERIA	ELWA Monrovia	int. sig till s/on 0615.	Vernac prgms of religious nature. Followed past 0650. Initially fair.	BC
3230	1858	SOUTH AFRICA	Radio RSA	s/on tuning call, id, then into PP.	Fair.	DL
3250	0443	SOUTH AFRICA	Springbok Radio	peaking fair 0455	//3980. Also audible 3285 in EE //3965 and 3320 Afrikaans //3955. 90m.b channels poor-fair, 75m.b channels fair-good.	BC
3265	1745	COOK ISLANDS	Rarotonga	with Island mx at good strength.		JD
3275	0920	PAPUA NEW GUINEA	Southern Highlands	Pidgin prgm.		AC
3300	0528	GUATEMALA	Radio Cultural	regular good with Latin mx. PE. 0615 hrd from 0530 thru to s/off this time Sunday with anthem.		BC
3320	0425	SOUTH AFRICA	SABC Afrikaans	Svce poor-fair to f/out after 0510. See African Survey this issue. All 3mHz Africans rptd.		PE
3322	0931	PAPUA NEW GUINEA	Bougainville	rlg prgm in Pidgin, fair-good.		CS
3360	0408	GUATEMALA	La Voz de Nahuala	poor-fair in SS to s/off 0435.		PE
3366	0533	GHANA	Accra	poor with hymn selections //4980 fair. 3350 fair with different prgm, //4915. All carry same news 0600.		BC
3385	0459	PERU	Radio Dif Del Centro, Janja	(500w listed) good in SS to s/off 0512. Usually off around 0415. Peruvian mx.		PE
3411	1042	BRAZIL	Radio Xapuri	tentatively the PP lang station with mentions of Brazil till fade out 1055.		SG
3425	1640	NEPAL	Katmandhu	closes 1720 with anthem by choir.		RG
3904.8	1500	INDONESIA	RRI Banda Aceh	fair-gd //4955. Jakarta Nx to s/off 1530. 4955 remains on till 1600.		PE
3915	1710	MALAYSIA	BBC Far Eastern Station	with EE news, poor.		CS
3925	0840	PAPUA NEW GUINEA	P2K3 Port Moresby	National Svce good, mx, sport.		
3935	1153	INDONESIA	RRI Semarang	Nx in II 1200, fair, telegraphy	QRM. PE /JW	
3945	0630	NEW HEBRIDES	Vila	EE nx good. BJ.0840 Pidgin. FF from 0900.	JW. CS	
3955	0450	SOUTH AFRICA	SABC	poor with Church Svce prgm in Afrikaans. 3965 classical mx, EE, poor. 3980 Springbok mixed VOA Munich.		BC
3970	1832	CAMEROUN	Radio Buea	with Nx. Hrd past 1900.		PE
3980	0330	WEST GERMANY	VOA Munich	mixed in EE to Europe, fair.		DM
3990	0450	LIBERIA	VOA Monrovia	fair with Breakfast Show. Now sked 50kw 0300-0730 and 1545-2200. Don't confuse with //3980 Munich which is often poorer signal. Also hrd 1908 hetting BBC 3989.		BC
3995	0400	WEST GERMANY	Deutsche Welle	with GG nx, strong signal.		DM
4738	0435	BOLIVIA	Radio Abaroa	ids as "La Voz de Riberalta". Military music till off with idents 0450.		PO

FREQ	TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	INITS
4765	1948	CONGO	Brazzaville	poor with indigenous music.	JD
4779	0845	SURINAM		opens in Indonesian.AC.0900 SRS on 4779.4m fair-good in Indonesian,Dutch & EE. Advts for pop grp Osibisa on tour.0930 Paramaribo fair 9/5 when usual teletype absent.Dutch.	PE JD
4780	1054	HONDURAS	HRRZ Radio Juticalpa	fairly good with frequent GMT-6 time checks & bank advts 17/5.Next day La Voz de Carabobo s/on 1002 fair with full id.No sign HRRZ.DL 1113 17/5 in SS.	PE
4795	0503	ECUADOR	Bahia de Caraquez	Voz de la Caras mx,many ident. Poor to fair signal. JD. PO this likely yr unid 0600 s/off.	BC
4810	0457	VENEZUELA	Radio Popular	fair with idents to s/off 0459 Sun.	BC
4815	1905	UPPER VOLTA	Ouagadougou	local mx, FF 1910 poor. 0600 poor.	PE
4816m	1054	COLOMBIA	Radio Guatapuri	fair,frequent idents & Caracol anncts	SSG
4820	0559	ANGOLA	Radio Nacional	good with int.sig & s/on Sundays.	PO2123PE
4820	0808	VENEZUELA	Radio Tricolor	fair,all night 3/6.Popular mx,SS anncts	BC
4826+	0620	MALI	Bamako	is the African here per Sam Dellit in June DX Post.	BV
4830+	1956	GABON	Franceville	Afro mx,poor in FF. QRM SAEC 4835.	
4832	0730	COSTA RICA	Radio Reloj	w/EE annct during "Aqui Costa Rica" prgm. Very good. //6006 also very good.	Both PO
4843+	1925	CONGO	Point Noire	in FF,ident,fair.BV(NZers:Mauritania 4845 in FF is dominant here. Do not confuse with Congo. Ed)	
4850	0557	ECUADOR	Unidentified	s/off with Ecuadorian anthem 5/6 leaving Clarin in the clear. Who? Stronger than Clarin.	BC
4850	0431	DOMINICAN REP.	Radio Clarin	fair most nights.JD.0835 fair SS.	BV+
4853	2015	YEMEN ARAB REP.	Sanaa	fair in AA.JS.2106 vg Koran.Others late on 60m RSA 4875,Benin 4870,Sudan 5039 to s/off 2200,good.	PE
4865	1915	PORTUGAL	Lisbon	good signal.RG.1919 testing to Azores in PP.	AC
4870	1131	ECUADOR	Radio Rio Amazonas	fair with anthem,ident in Indian lang - quecha?, and gospel mx prgm.	DL
4870	0530	BENIN	Cotonou	always strong weekends.Teletype weekdays.PO.2015 La Voix de la Revolution fair.EE Nx 2055 till 2100.	SG
4865	0310	BRAZIL	Radio Sociedad Feira	de Santana gd in PP.S/off 0402,gd.	PE
4875	2140	SOUTH AFRICA	Radio RSA	fair with DX prgm in EE,Sat,s/off 2148. Other late running Africans Mauritania 4845,ELWA 4770,Benin 4870, Chad 4904. All noted well after 2100.	BC
4875	1150	INDONESIA	RRI Sorong	Indonesian prgm. Nx 1200, good.	PE
4900	1256	INDONESIA	INDONESIA RRI Gorontalo.	Local nx 1400.quick QSL.	PE
4904	0500	CHAD	Njamana	with FF programming, good 15/5.	JS
4905	0220	BRAZIL	Radio Relogio Federal	first Latin to f/in, followed by 4755, 4875, 5030 and 5040kHz. Fair in PP.	BC
4910	0530	ECUADOR	Radio Gran Colombia	good most nights.Mainly mx prgm.	JD
4911	2009	ZAMBIA	Lusaka	HS in vernacs with 'Lucky Chance' phone show till s/off 2104.Fair 4/6.PE. 1927 ident.2000 mx requests.	BV+
4932	1147	INDONESIA	RRI Surakarta	with light EE pops,very good.	PO
4940+	1050	VENEZUELA	Radio Yaracay	with LA mx,plenty idents in SS.	BV
4946m	2128	UNIDENTIFIED	African	fair from 2120 t/in till abrupt off at this time. QRM Chinese 4944. 4/6.	BC
4968	1204	SABAH	Radio Malaysia	strong with light local mx & gongs.	PO
4970+	0853	VENEZUELA	Radio Rumbos	fair in SS with LA mx,time checks,ids.	BV
4975+	1033	COLOMBIA	Radio Ondas del Orteguaza,	Florencia in the clear in SS. Native lang quecha? at 1100.	JBu
4976	2026	UGANDA	Kampala	fair with indig mx.2058 Political speeches.2119 EE ident,anthem,s/off.Bad het eliminated on USB. Fair.	BC
4980	0358	VENEZUELA	Ecos del Torbes	full id,s/off.JD.1026 poor,ident.	MC+
4985	2128	INDONESIA	RRI Ujung Padang	fair-good at s/on.Hrd past 2200.	BC
4990	1830	NIGERIA	Lagos	int.sig,EE ident,vernac prgm.GS.1815 gd.RG 0600.	JD
4990+	1045	VENEZUELA	Radio Barquiseмето	ident,LA mx, fair in SS.	BV
4995	0530	PERU	Radio Andina	stronger than Colosal,Santa Fe, one Sunday. 4996m with typical Peruvian mx 0620. Best signal ever.	JBu+
5020	0715	SOLOMON ISLANDS	Honiara	with mx prgm in EE, good.	BJ
5030	0455	VENEZUELA	Radio Reloj Continente	good in SS.Off 0500.PGR 0906	
5037	1745	CENTRAL AFRICAN EMPIRE	Bangui	good in Sango.Local mx.	JD /IH

<u>FREQ</u>	<u>TIME</u>	<u>COUNTRY</u>	<u>STATION</u>	<u>PROGRAMME &amp; RECEPTION DETAILS</u>	<u>16</u>	<u>INITS</u>
5039	2119	SUDAN	Omdurman	poor in AA. Hrd till signoff at 2200.		<u>JS</u>
5040	0555	COLOMBIA	Radio Cinco	fair in SS. Plenty of idents.		<u>JS</u>
5045	0915	BRAZIL	Radio Educ do Para	vg with mx pgm. T/checks indicate on DST. PE (see info on back page re this one. Ed)		
5047	0535	TOGO	Lome	fair with FF prgm. African Safari mx hrd.		<u>JD</u>
5047	1130	INDONESIA	RRI Jogjakarta	fair w/EE news from Jakarta. PO. 1334 nx concluding, advts. Studio Two nx 1400. Good.		<u>PE</u>
5050	1730	TANZANIA	Dar es Salaam	fair with local mx. Anncts in Swahili.		<u>JD</u>
5050+	0615	PERU	Radio Loreto,	quite good signals.		<u>JBu</u>
5075	0400	COLOMBIA	Radio Sutatenza	good with full ident & s/off 0404.		<u>BC</u>
5930	0300	CZECHOSLOVAKIA	Prague to Nth. Am	fair in EE. //11840 under RA. 0330 EE Mailbag, fair. DM. 0345 EE Letterbox, excellent, Sat.		<u>BH</u> <u>PGR</u>
5955	1255	USA	VOA Dixon	with Jazz Hour, very good. Ident 1257.		<u>CS</u>
5965	0445	MONACO	Trans World Radio	opens in GG.		<u>AC</u>
5965	0539	NIGERIA	NBC Jos	now clear to 0600 s/on by VOA. PE. 0557 gd Sun.		<u>PO</u>
5970	1104	INDONESIA	RRI Banjarmasin II	nx, good sigs, but het QRM.		<u>PE</u>
5980	2230	SOUTH AFRICA	Radio RSA	with EE Nx to Nth America, fair.		<u>TH</u>
5985	0450	USA	WYFR Family Radio	with SS ident, address. EE at 0453.		<u>TH</u>
5986	1545	BURMA	Rangoon	fair-good in clear with EE nx, then light mx.		<u>BH</u>
6010	0528	PERU	Radio America	fair with Latin songs rather than usual western songs. SG. 1058 fair-poor in SS. Id "R. America Central" BV+		
6010	0425	ITALY	RAI Rome	EE to Mediterranean. Fair-good to 0440. JS BH IH		
6012	2340	ANTARCTICA	AFAN	fair, pop mx, anncts. First time hrd this period. Slight het QRM. DL. 0600 fair but garbled signal.		<u>JS</u>
6015	1615	ETHIOPIA	Radio Voice of Revolutionary Ethiopia	Addis Ababa fair in Amharic till 1630, then EE id, nx, FF from 1700. Suffers/ QRM from VOA Rhodes s/on 1630, Norway s/on 1655. DL. PE. Poor. JM.		<u>JD</u>
6015	0430	AUSTRIA	Vienna	with news in EE. Very good. Also on 6155 good.		<u>DM</u>
6020+	1945	MALAGASY REP	Radio Nederland	relay poor to s/off in EE.		<u>TMs</u>
6050	0630	NIGERIA	WNBS Ibadan	briefly hrd when BBC off for 30secs.		<u>PO</u>
6060	0800	ARGENTINA	Radio Nacional	strong at s/on. PO 0840 "Musica de Buenos Aires" prgm. Very good.		<u>JS</u>
6070	0655	CANADA	CFRX	vg over San Sebastian with nx & local weather.		<u>PO</u>
6070	0919	INDONESIA	RRI Jayapura	good in Indonesian. Nx at 0930.		<u>PE</u>
6085	0555	ANTIGUA	Deutsche Welle	relay EE id 0559, then GG prgm. Fair.		<u>CS</u>
6095	0325	POLAND	Warsaw	with EE mx prgm. Polish at 0330.		<u>DM</u>
6100	0430	MALTA	DW	closing with EE ident, strong. WEST GERMANY DW in EE 0530		
6100	1118	CHILE	Radio Calama	fair-good past 1245 with Latin & EE pop. PE/DM		
6110	1629	AZERBAIJAN SSR	Radio Baku	external service AA, Farsi, fair.		<u>PE</u>
6130	0800	ECUADOR	HCJB	good with EE rlg prgm. BJ. 1030 asking for reports. PGR		
6130	2115	SAUDI ARABIA	BSKSA Riyadh	350kw fair in AA. USSR QRM at 2130.		<u>DL</u>
6135	1230	CHILE	Universidad de Concepcion	under Korea, poor. Better earlier.		<u>R</u>
6140	0645	CANADA	RCI	EE to Africa Nx & sports, good. BA (RNZ on 6105. Ed) /PE		
6155	0430	USA	WYFR Family Radio	EE ident, address. Heavy QRM. Poor.		<u>IH</u>
6165	0648	SWITZERLAND	SBC Berne	local prgm before EE 0/seas tx 0700.		<u>TH</u>
6165	0230	NETH. ANTILLES	RN via Bonaire	EE, fair. DM. 0510 DX Jukebox, Fri.		<u>TH</u>
6170	0018	MOROCCO	RTM Tangier	good with mx prgm and AA anncts.		<u>DL</u>
6210	1900	UNIDENTIFIED	Test Broadcasts	of pop mx & EE annct half-hourly. Almost certainly from Radio Nordsee International's ship Mebo II, on the Libyan coast. (See page 9, May Times). RNI theme mx 'Man of Action' backs anncts, former RNI freqs in use, & RNI jingles rptd by SG. Time zone fits Libya & mx very reminiscent of RNI's format off Dutch coast in early 70's. First noted in early May on 6205 by JBu, but changed to 6210 mid-May. Sked 1800-2030, peaking vg. Both freqs logged. BC SG 2100 JW. 1952 to 2230 pop mx all the way, vg till last half hour. PR. PE. 1800 very strong, freqs annct 773, 6210, 9810 & 90MHz VHF, testing. IH DL		
6230	0605	ANDORRA	Radio Andorra	fair, much QRM. A difficult logging.		<u>JS</u>
7070	2030	ALBANIA	Tirana	with Folk mx in EE tx. Good.		<u>BJ</u>
7105	1740	SPAIN	RNE	vg in SS with music and comment.		<u>CS</u>



FREQ	TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	INITIALS
7155	2145	SPAIN	RNE	good in EE. New freq. CS. 2200 EE for Europe, fair.	JM
7170	1920	GREECE	VOA Kavala	with news, cmt, sports. Fair.	CS
7190	2000	YEMEN	Aden	with 'Huna Aden' idents, strong.	PO
7195	2210	CYPRUS	Cyprus Broadcasting Corp	via BBC facilities. Int. sig till 2215 s/on in Greek. Fair with Nx, mx to s/off 2230. //9755 vg but mixed Berlin. Both BC Broadcast to United Kingdom on Fri, Sat, Sun only. Both AC. 9755 rptd by JM fair. 7265 logged 13/5 with new service, poor. Freq since replaced by 7195.	JM
7260	0140	NEW HEBRIDES	Vila in Pidgin.	Id 0145, poor. CS. 0030 FF fair, wkdays.	
7260	0315	ENGLAND	RCI via Daventry RR	vg //5965 poor. //Sines relay on /BC 7285, 9615 and 11905.	DL
7264	0758	TOGO	Lome	weak with int. sig & s/on with EE idents. F/out 0814.	PO
7270	1550	INDIA	AIR Delhi	EE nx over BBC Ascension till AIR off 1600.	BH
7275	0706	NIGERIA	NBC Lagos	good with local mx //15120 also good.	PO
9009	2000	ISRAEL	IBA Jerusalem	with nx & comment in EE, fair.	BJ
9022	1945	IRAN	Teheran	with cmt & nx in unid lang. Int sig & id 2001.	CS
9410	2100	GREAT BRITAIN	BBC London	vg with EE report on Show Business.	JW
9505	2030	SPAIN	Madrid	s/on in EE to Europe. AC. 2100 vg EE. JW. Mxd Paris.	JS
9510	0210	ROUMANIA	Bucharest	fair in EE. JS. 0215 Sports nx in EE, poor.	BJ
9530	1900	GREECE	Athens	fair to Europe with EE news 1920.	JS
9535	0215	CANADA	RCI	poor in EE. TMs. 0300 vg with EE nx, sports & wx.	DL
9545	0900	AUSTRALIA	RA Shepparton	EE to Asia sked to 1730. Fair ex 9550.	JM
9565	0140	MALTA	DW Relay	to Nth America in EE. S/off 0150 with id, fair.	CS
9590	0700	NORWAY	Oslo	s/on. EE Sunday 0800. AC New freq for Pacific.	JM
9590	0958	MONTSERRAT	DW relay	s/on fair, then covered by USSR. Clear at 1030. IFRB & DW Master sked list as 15kw. DL. 1030 SS to 1120. AC PE	BH
9590	1700	CYPRUS	BBC Mediterranean	Relay good with nx in AA.	JS
9595	0815	JAPAN	NSB	vg in JJ // to 6055 also good.	IH
9605	2118	SWEDEN	Radio Sweden	with EE mx prgm. Slight QRM. Fair.	AC
9655	0430	BELGIUM	Brussels	opening on this frequency, move from 9650.	JM
9680	0930	ECUADOR	HCJB	in GG //6070. PO. 1000 PP rlg prgm fair //6070.	JS
9695	0000	SWEDEN	Stockholm	s/on SS prgm, good. CS. 0230 EE. DX prgm Wed. DM	BJ
9715	0815	NETH. ANTILLES	Radio Nederland	, Bonaire relay good in EE.	JM
9720	2000	SOUTH KOREA	Seoul	EE for Europe. Nx, cmt, interview. Fair.	BH
9740	2030	PORTUGAL	Lisbon	good with EE news and comment.	BH
9755	2210	CYPRUS	See listing	for 7195kHz.	BH
9760	2115	GREECE	Athens	good with EE news //9655 and 6140.	PGR
11690	0030	UKRAINIAN SSR	Radio Kiev	in EE fair. Noisy reception, due het.	BH
11705	2315	SWEDEN	Radio Sweden	exc with EE Mailbag. Freq not announced.	BH
11730	1200	UZBEK SSR	Tashkent	good with news & cmt in EE //15115.	AC
11735	0330	ROUMANIA	Bucharest	new freq in SS to Sth Am. JM. 0400 EE to 0430.	JM
11740+	1430	MALAGASY REP	Radio Nederland	poor in EE.	MO
11755	0312	SEYCHELLES	FEBA	s/on in Farsi ex 11810. AC. 0325 Farsi, good.	BA
11755+	0700	ARGENTINA	Radio El Mundo	fair with ident. Prgm of songs.	BC
11775	0700	SWITZERLAND	SBC Berne	EE to NZ. Dateline. //9560 both vg.	AC
11780	0920	PHILIPPINES	FECB	here 1/6 only, ex anncd 11765. Strong but badly modulated. Guess who got all excited about TWR Guam!	AC
11790	0905	INDONESIA	Jakarta	EE nx, very poor. CS. 1100 poor. PE. 1415 v. pr. TMs+	JS
11810	2040	AUSTRALIA	RA Shepparton	here with DX Call, good.	PGR
11835	1045	SRI LANKA	SLBS	EE time check, EE pops, news, poor.	AC
11840	2200	SPAIN	Madrid	in EE to Europe after Australia signs off.	AC
11840	0330	EAST GERMANY	RBI Berlin	with EE broadcast to 0415.	TH
11845	2100	SWEDEN	Stockholm	in EE with Saturday Show for Europe.	CS
11845	0305	CANADA	RCI Montreal	sports & Nx, strong. DM. 0410 Prgm on stamps.	AC
11845	0345	SEYCHELLES	FEBA	under Canada to 0427, then clear to 0440 s/off.	PGR
11850	0845	PHILIPPINES	FECB	poor in EE //11765. JS. 0920 EE rlg. Nx 0930.	AC
11855	0340	USA	WYFR	EE lesson in SS tx, good. PGR. 0458 Brief EE s/off.	BH
11860	1225	MONGOLIA	Ulan Bator	weak with EE news.	BH
11890	0330	EAST GERMANY	RBI Berlin	fair in EE to North America.	PO
11900	0700	ECUADOR	HCJB	new freq in EE for Sth Pacific ex 11915, fair.	CS
11910	0410	HUNGARY	Budapest	DX prgm in EE to 0415. Fair but bad QRM.	BJ
11960	0500	ISRAEL	Jerusalem	with news in EE, fair.	

4.30pm AEST - in 40 minutes I identified 2YA, 1YA, Noumea 670, 2ZB, 2ZW, 2ZN, 1ZE, 1ZB, 1ZN, 2ZG and Radio I all in the clear, plus 1ZC, 2ZP, 1ZD, 4ZB, 3ZB, 3YA and 1ZK, all mixed with Aussies but easily readable. SW news was the assumed RNI station off the Libyan coast with test transmissions. Jack Buckley had been hearing them on 6205kHz since early May. They gave regular reception during the Sydney stay, and their move to 6210 was noted mid-month.

The real DX of the trip came when the writer (BC) and Theo Donnelly accompanied Chris Martin on a DXpedition to his beverage site at Parksbourne, near Goulburn, NSW. A 500 metre wire beamed to Southern Africa netted many African and Middle Eastern signals on broadcast, and also produced the strongest signals from Africa on shortwave that we had ever heard. On BCB, African countries heard included: Egypt, Kenya, Somalia, Sudan, Tanzania, Uganda, Zaire and Zambia. On the tropical bands: Angola, Benin, Cameroon, Central African Empire, Chad, Congo, Gabon, Ghana, Ivory Coast, Kenya, Liberia, Malawi, Mozambique, Niger, Nigeria, Rhodesia, Senegal, Sierre Leone, South Africa, Swaziland, Tanzania, Togo and Upper Volta. All were heard on a Drake SPR4, but the TRF and 5 foot loop did haul in A Voz de Africa Livre from Rhodesia 1002:

Altogether, it was a great trip, made all the more enjoyable by the great DX hospitality extended to us. Thanks! (BC)

FREQ	TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	INITS
12010	1900	LIBERIA	VOA Monrovia	new freq vg at s/on, EE for Africa. Over Moscow also EE to Africa, later dominant. Who wins this one?	BC DL
15110	1430	CZECHOSLOVAKIA	Prague	good s/on in EE with id, freqs, nx.	DL
15120	0645	NIGERIA	Lagos	bells, drum beat int. sig, EE ident, frequencies, prgm summary. Nigerian news 0700. Mx prgm 0705. Poor.	JM BA
15130	0811	USSR	Radio Moscow	in EE to NZ. Commentary, very good signal.	BA BJ
15135	0810	NORWAY	Oslo	with Current Affairs in EE, Sunday. Poor.	BJ
15145	2248	USA	WINB	with SS ident, sacred orchestrals till 2300, blocked.	JM
15160	1030	HUNGARY	Budapest	with nx, comm in EE, fair. BJ. 1028 EE nx, fair. MO+	MO+
15201	0730	INDONESIA	Jakarta	w/Indonesian anncts, mx, fair. New freq //11770.	//11770.
15230	1115	CUBA	Radio Havana	with SS tx over Peking. Good.	Pgr /JM
15250	1033	INDIA	All India Radio	General Overseas Service in EE, fair.	JS
15265	2040	FINLAND	Pori	fair in EE. Also at 1921 vg with EE 'Letterbox'.	JS IH
15270	2300	AUSTRIA	ORF Vienna	with GG news, good.	
15285	0800	FRANCE	Paris	FF for Europe 'France Inter' prgm. New freq //11855.	//11855.
15305	1100	SWEDEN	Radio Sweden	fair with Nx, Listeners Mailbag in EE. JW /JM	JW /JM
15305	2100	SWITZERLAND	SEC Berne	in EE good with pop music prgm.	JW
15385	0140	ITALY	RAI Rome	with int. sig, ident, SS to Latin America. Fair.	CS
15400	0445	BANGLADESH	Dacca	in EE. Very poor.	JS
15435+	1753	TANZANIA	Dar es Salaam	fair with mx, nx, commentary.	MO
15512	1200	ISRAEL	Jerusalem	with Nx in EE, fair. Jammed 1210.	BJ
17665	0200	PAKISTAN	Radio Pakistan	ident in EE. Prgm to Indonesia. Good.	CS
17715	1040	HUNGARY	Budapest	with sports prgm in EE, fair.	BJ
17815	0600	AUSTRIA	Vienna	GG for Australasia s/on. New freq ex 17850.	JM
17840	0500	AUSTRIA	ORF Vienna	with Nx in German, fair. DM 0530 over jammer. BC	BC
17890	2103	TAIWAN	VOFC Taipei	in EE, mx. IH 2215 Mx prgm in EE, fair.	BJ
21465	0715	EAST GERMANY	RBI	vg in EE to S.E. Asia on reactivated freq // 17700 also vg. Unusual for 13m to be so active in our winter. BC	BC

#### CONTRIBUTORS: Thanks this month to....

FR Paul Rawdon	DL Dene Lynneberg	DM Des Mills	MO Masami Onizawa (Japan)
BC Bryan Clark	JM John Mainland	BJ Bill Jolly	JBu Jack Buckley (Sydney)
RG Ross Gibson	IH Ian Hitchiner	AC Art Cushen	TMs Tim McSweeney (Qld)
BA Brent Allred	SG Steven Greenyer	JS Jack Searle	BV Bill Vogel (Adelaide)
PE Paul Edwards	BH Bill Huddleston	DD Des Davey	PGr Peter Greener
CS Cecil Symmes	JW John Wysocki	JD John Durham	PO Paul Ormandy

#### RADIO NZ SCHEDULE CHANGE

From 13 June, 15130kHz to the Pacific closes 0450, & 6105 opens at 0500 hrs GMT.

RCI MONTREAL appear to have 'boobed' in sending some members the wrong card for 'do-it-yourself QSLing'. This years QSL depicts several Canadian satelites. Last years QSL design is now backed with info re close Pacific Svce.

# ARTHUR CUSHEN'S SHORTWAVE REVIEW 19

All times are GMT

All frequencies kHz

Australia: Radio Australia is to be upgraded at a cost of \$2.5 million. The Minister for Posts and Telecommunications, Mr Robinson, said immediate plans provided for improvements for the transmitters at Shepparton in Victoria. These results would determine whether Radio Australia transmission facilities at Darwin would be relocated in the same area or whether another site should be sought on the West Coast.

Brazil: Radio Nacional Brasilia on 15245 is heard with English 2100-2200, Portuguese at 1900; and German and 2000. The station has announced that for technical reasons it is closing down on 12 June.

Belgium: Brussels broadcasts the home service on 9655 from 0430-0715.

Colombia: Radio Nacional Bogota on 15335 is heard with timr signal and full ID at 0000.

Cook Islands: Rarotonga is being heard on 3265 around 0630. Full schedule is 1630-0130, 0430-0830.

Cyprus: Cyprus Broadcasting Corporation has a transmission in Greek to the United Kingdom on Friday Saturday and Sunday from 2215-2230. Frequencies used are 7195 and 9755 both of which provide good reception here.

Czechoslovakia: Prague broadcasts to Australia and New Zealand in English 0730-0800 on 11855 15395 and 21700. The same frequencies are used 0830-0900, and on Saturdays and Sundays only from 0900-0930.

Ecuador: HCJB now has an amended schedule to the Pacific. The transmissions on 6130 are from 0630-1215, 9745 from 0700-0930, and 11900 0630-0830. HCJB has added additional frequencies to Europe: 9585 from 0700-0830 and 11835 from 0230-0830.

Germany East: Radio Berlin International on 11840 has English 0330-0415 and German 0415 to 0500. Also on 9650 and 11890.

Germany West: Deutschlandfunk programmes are now relayed on shortwave from the DW Sines transmitter on 7130 khz from 0530-0630. The signal is good but suffers some jamming.

Malta: The Voice of Hope is now using two transmitters from Malta on Sunday 0700-0800. 9605 and 9745 are from Malta and 9670 from Sines.

Netherland Antilles: TWR Bonaire is being heard on 11790 from 0145 to 0330 but until 0200 is blocked by Australia. 11900 is being used for the German transmission 1000-1030.

Philippines: The VOA is now using the Philippine relay base for shortwave frequencies previously served by Okinawa. These include 6010 1100-1400 and 7165 1100-1500.

Romania: Bucharest us heard with Spanish at 0400 and English at 0430 on 11735.

Seychelles: FEBA has been heard on three 25 metre band frequencies. 11800 to East Africa 0400-0430; 11755 in Farsi or Urdu 0315-0345; 11845 opens at 0345 in Arabic type programming, with Canada on top until 0426.

Solomon Islands: Has been noted on 9545 at 0900 in parellel with 5020.

Spain: Madrid's English programmes to Europe from 2030-2130 and 2130 to 2230 are carried on 9505 and 11840. 11840 is blocked by Radio Australia up to 2200, and at 2229 Lisbon opens on the frequency.

# ..sign off..

**LESOTHO** The BBC is to provide a high frequency station for Lesotho in exchange for BBC airtime to improve coverage of East and South Africa.

M.Terry SCDX 26/4

**NEW FEBC SITE.** 16 January 1977 was an important day in the history of FEBC with ground-breaking ceremonies held for another FEBC installation in Asia, on the island of Saipan, part of the US Commonwealth of the Northern Marianas. The powerful SW transmitter which will be built on the 25 acre site there, will be beamed primarily to Japan, China & the USSR. Local MW stations will be constructed on each of the 6 major islands of Micronesia - Yap, Truk, Ponape, Majuro, Palau and Saipan - the latter expected to be in operation by July 1977.

M.Field NASWA

**VOICE OF THE MALAYAN REVOLUTION**, a clandestine station believed to be located near Changsha, Hunan, China, broadcasts on 15790 and 11830kHz, between 0430 and 1530, with 45mins of Malay at 0430, 1030 & 1245 GMT.

BBC MS (c)

**RADIO BUDAPEST's** DX Programme in EE is broadcast at 0400 Wednesdays on 6110, 7155, 9585, 11910, 15220 and 17710kHz. Also at 1515 Tuesdays on same frequencies except 19m and 16 m channels are 15160 and 17780kHz.

Cecil Symmes

**SOLOMON ISLANDS** Broadcasting Corporation is now the identification used by Honiara.

BC

**NEW BRAZILIAN** Radio Cultural de Para 5045kHz has been heard well in Europe, closing at 0300 GMT. Address is Avenida Nasaré 78, 66000 Belém. SRK  
**WINB** Red Lion schedule since 1 May is 1730-2000 on 17720, 2000-2245 on 15185, both to Europe. 2247-0100 on 15145 and 0100-0200 on 11730, both to South America.

A.Wallis SCDX

## market square

**WANTED:** Circuit diagrams of transistorised communications receivers like the FRG7, for constructional purposes. Booklets, xerox copies, etc. Will pay all reasonable costs involved. Write Duncan Watson, P.O. Box 61, Edgecumbe.

**SELL:** Trio 9R59DSM communications receiver. A1 condition. Send SASE to Des Davey, 16 View Rd, Te Kuiti.

## NEW ZEALAND RADIO DX LEAGUE

### ADMINISTRATIVE OFFICE

P.O.Box 1313, Invercargill

All queries re membership, policy matters, stationery requirements, subscriptions & competition awards, should be addressed to Invercargill.

### EDITORIAL OFFICE

P.O. Box 2956, Wellington

Only queries relating to content and distribution of the Times should be directed to Wellington.

Closing date for contributions is usually 5pm on first Monday of the month. Advertising: 50 cents for up to 30 words. Other rates on request.

### ANNUAL SUBSCRIPTION: NZ\$5.00

Joining fee surcharge of \$1.00 for new members only. Overseas rates available from Invercargill.

**DEUTSCHE WELLE - MONTSERRAT** came on air 1 April 1977. Transmissions monitored: 9590kHz 1000-1120 in SS // to Antigua 6085 and 9735; 11970kHz in GG 1200-1220 // to Antigua 11810 & 15185 and 1300-1320 // to 11810 and 9605 from Antigua. Roger Legge ASWLC

**KOREAN BROADCASTING SYSTEM's** English schedule is 0500-0530 on 9640 for USA, 0530-0600 on 9675 to Sth.Am, 0900-0930 on 9525 Non-Directional, 0930-1000 on 9580 to Sth.Am, 1030-1100 & 1900-1930 on 9665 to Europe, 1100-1130 N.D. on 7150, 1130-1200 & 1330-1400 on 11860 for Europe, 1530-1600 on 9640 to USA, 1600-1630 N.D. on 7150, 1800-1830 to Europe on 9720, and 2230-2300 N.D. on 9640kHz. KSWLA

**BRUSSELS CALLING**, the EE prgm of the Belgian Radio & TV, is on-air daily 0015-0045 on 9725kHz. Address is ORU -BRT, P.B. 26, B-1000, Brussel.

**RADIO NATIONALE 4VRD** is a new Haitian station expected on air shortly, with transmitters on MW 1080kHz and SW 5975 and 9545kHz. Chear SCDX 3/5

**DOWN UNDER DX SURVEY No.8** is now out! Airmail price to NZ is 3 IRCs or 50c in Australian stamps. Included in this issue are a Band Survey of 5900 to 6200kHz of Asia/Pacific/USSR, a Survey of Chinese Home Service Broadcasts, Clandestine News, plus a 27 station survey of broadcast band Indonesians by Robert Yeo. 12 pages of real DX! Order yours today! DUDXC, 7 Donald Road, Burwood, Australia 3125.