



NEW ZEALAND DX TIMES

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1976 League AGM

Once again the League Annual General Meeting will be held in Oamaru, and hosted by North Otago Branch. The date is Saturday 16 October, and the meeting will be held following lunch. No other details are yet to hand but any members wishing to attend should write to North Otago branch secretary Mrs Muriel Bloxham, 14 O.R.D., Oamaru. A self-addressed stamped envelope should be enclosed, to enable arrangements to be advised. See you there!

Auckland DX Get-together

An invitation is extended to all League members living in or around Auckland to attend a get-together at Barry Williams, 4 Kay Drive, Blockhouse Bay on Sunday 19 September at 2.00pm. Everybody is welcome: this is an informal meeting where any subject or question can be raised. To be discussed is a proposed weekend trip to meet Bay of Plenty DXers at Ohope Beach 16-17 October. For further details please contact Barry Williams 679-070 or Bill Huddleston 818-7868.

Solar Eclipse 23 October

Any given spot on Earth can expect a total solar eclipse of the sun only twice every thousand years. Melbourne, Australia is favoured in that it last had an eclipse in 1835, is due for another on 23 OCTOBER this year, and another in the year 2220. Next month's event will provide a total eclipse over Melbourne from 0641 GMT for a period of 2½ minutes. Partial eclipses will be seen at different times of the day in Eastern & Southern Africa, Madagascar, the Arabian peninsula, Sri Lanka, Southern India, Indonesia, Papua New Guinea, Fiji, New Zealand and Antarctica. To study the effects of this phenomena on radio propagation, DXers and SWLs are asked to monitor the following stations on October 22, 23 and 24, providing quantitative measurements of signal strength of one or more: ABC Perth 9610 and 15425 0430-0730, ABC Sydney 6090 0530-0800, ABC Melbourne 9680, 15230 0530-0800, Radio Australia 15145 0530-0800, 15335 & 17780 0530-0730, 15190 0600-0800, VNG on 7500, 12000 0530-0800. Results will be appreciated by Dr David D. Meisel, Dept of Physics & Astronomy, State University College, Genesco, New York 14454, USA. Receipt will be acknowledged with a special verification. Return postage or IRCs would be appreciated if airmail reply is desired.

CLOSING DATE FOR NEXT ISSUE: 5pm MONDAY 4 OCTOBER. SEND DETAILS OF YOUR DX, QSLs, B-O-Ms, LADDER TOTALS, TO P.O.BOX 2956, WELLINGTON, N.Z.

FROM THE BRANCHES

SOUTHLAND The branch AGM was held at the residence of Patron Mr & Mrs O.G. Crawford on 28 August, with 12 present. After presentation of the annual report, balance sheet and committee reports, officers were elected as follows: Patron Mr O.Crawford, President N.Henry, Vice-presidents Wyn Machon, Steven Greenyer & Lindsay Robinson, Secretary Mrs I.Simpson, Treasurer Eric McIntosh, PRO Arthur Cushen. General business included an application for the 1978 Convention of the League to be held in Invercargill. Annual Awards - ECB Sutton Burtenshaw WHSL Nth Carolina 1490kHz 250w; SW Ray Crawford & Arthur Cushen HIDA 3385 600w. Monthly competitions: ECB to Ray Crawford HJTO 1430 5kw.Merit to Ray with Philippines DYRC 900kHz and Lindsay Robinson ZNS1 1540kHz. SW Over 9 to Lindsay with Vienna 17810. Under 9 to Paul Aronsen SABC 3965 100kw. Next meeting will be held on Tuesday 28 September at Irene Simpsons, 58 Price

NORTH OTAGO The AGM was held on 19 August with new President Ted Sutton, / St. and Secretary Muriel Bloxham (Address 14 O.R.D, Oamaru). All other members are included in active committee work. New branch competitions have been organised and hopefully there will be some fresh listings. A farewell supper and presentation were made after the meeting to Philip and David Hope, who are returning to England. On behalf of the League Archives the branch has received from Mr Cyril Blutchter of Auckland - his original hand-assembled radio, plus early QSLs and radio magazines. It is hoped to have a display mounted for the League AGM. Next branch meeting will be held at the Listening Post 30 Sept.

WELLINGTON 13 members attended the branch AGM at Bryan Clarks. Major topics for discussion were the retention of the branch newsletter 'Capital DX' and the future of evening meetings. It was decided that both will continue. Committee elections resulted: President Bruce Williams, V-P Paul Rawdon, Secretary/Treasurer/Newsletter Editor Cecil Symmes (Address Flat 1, 17 Lewer Street, Karori), Competitions Judge Paul Edwards. Annual trophies were awarded to Bryan Clark for ECB, Paul Rawdon for SW and the Hutt Valley Merit Trophy. Monthly competitions: SW Senior to Bryan Clark Zambia 11880 & Austrian Army 6221. SW Junior to Paul Edwards Zambia 11880 & Congo 3232 4kw. ECB to Bryan Clark with HJKH 770 and KYXI 1520. A/NZ Dene Lynneberg with 22M 90 watts.

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HELPING HAND

Ross Clark, 29A Norton Park Avenue, Lower Hutt, will be getting either a Grundig Satellit 2000 or Sony CRF160 in a few months time. Ross would like to hear from other members who own or have used one of these receivers for DXing. Can you help?

BROADCAST DX

with BRYAN CLARK

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Headlining this month is news of another short-term broadcasting licence:- 4XB RADIO QUEENSTOWN is scheduled to operate from the Central Otago resort during the Independent Broadcasters Assn Conference. A 1kw transmitter will use 1270kHz, with an antenna consisting of a wire hung from the top of a crane. The conference runs from 26 to 29 September and 4XB is expected to operate between 6am and 12pm NZT, with programming supplied by all the independent commercial stations. It is understood that the station is being operated to show some of the developments in automated broadcasting. Reception reports should be addressed care of 4XO, P.O.Box 1210, Dunedin. Thanks to Jonathan Aitchison for details, also Ash Nallawalla, Arthur Cushen and Dene Lynneberg.

RADIO MILLON, the one million watt Costa Rican is not yet on the air, on it's new frequency of 1560kHz. Ron expects it to be as strong as PJB 800 in this part of the world. Ron is, of course, Ron Schatz, the station's US rep. Via CM

SOMALIA should be a new country for those members who chase the Middle East stations in the next month or so. Chris Martin notes Radio Mogadischu's new high-power transmitter on 963kHz at 1730 in parallel to 9585kHz shortwave.

WXLE UPDATE. Phil Brooks received the following info in a cordial QSL letter from James A. Nolan, Station Manager, Global Associates, Canton Island, Phoenix Islands Group 96736, USA, re their continued operation on 1385kHz:

"Our station is operated on a volunteer basis with the use of tapes & live broadcast shows, we are on the air 24 hours a day, 7 days a week. With the phase down of our location, the radio station was scheduled to leave the island also. Several of us volunteered to operate and maintain the equipment if it could stay. Our main intent is to provide easy listening for the island population, as well as sea and air craft in our area. Each of us find it extremely gratifying to receive letters from other areas. It makes the effort worthwhile. From each of us here at WXLE, thank you for your kind letter. Keep listening, for WXLE will be on the air." This info also received by Leigh Morris.

AUSSIE CHANGES: 2GN Goulburn is now on 1370kHz with 2kw ex 1380, in a swap about with 2LT which is now on 1380. 4LM is not now moving to 1390 as was mooted last year, while 4MK is still on 1480. 5AU's projected move from 1450kHz is to take place in early December. 2XX the new community station run by the Australian National University, is on the air 2000-1500 GMT with 300 watts 1010kHz. Address is P.O.Box 4, Aust.National University, Canberra 2600. Tx Chris Martin. More news from across the Tasman - see Pacific Asian Report.

FIJI EXPEDITION. During a week in Suva recently globe-trotting Chris Martin, aided by his Drake SPR4 and collapsible loop, persevered with the very high evening local noise level to log Apia on 1050kHz with Radio Australia news at 0900 GMT. Ident was heard as "This is the Second Channel of the Samoan Broadcasting Service", and sign-off was at 1000. The Yanks 'just skip over Fiji' with KDAY, XERF, KFBK, KGA and KVOO were all very poor. Chile was noted on 1180 however at 1100 GMT. The morning showed more promise however, especially from Africa, with Kenya 611, 746, 791 and Tanzania 620, 656, 1241kHz all heard.

Well, the Latins are on the wane, but the North Americans will soon be with us!

ARTHUR CUSHEN Invercargill has QSLd 3XB 1230 and 3MP 1380. Report to 2GN on new 1370. Hope Racal going well.

IAN CATTERMOLLE Blenheim has reports to 2ZD, WN, 1ZK, KDAY, KEX, KVOO, KFAB and KTOM. Veries in from 1ZE, ZK, 2KM 2PK, ZD and KRLD. Thanks Ian.

KEITH ROBINSON Kapuka has verified Gorakhpur, Trichur 940, Jammu 990, HLDA, Istanbul 1016, Neomunster 1268 Sharjah and Diyabakir.

LINDSAY ROBINSON Invercargill has been rewarded with a QSL from ZNS 1540.

ROSS CLARK Lower Hutt has reports away to 1ZC, 2ZN, YM, 3YA, 4XO. Space not available for 'Musings' style in present Times format Ross, but we try to cover any queries raised.

TED OSBORNE Wanganui has veries in from WVUV and Oman 701. Good luck re new set.

SUTTON BURTENSHAW Invercargill has a lone QSL in from 3XB 1230. C.U. 16th.

BRYAN CLARK, Wellington has a report away to HJDZ Relej 1075. QSLs from 2NA, WG KYXI 1520, KMVI & 3XB 1230.

MERV BRANKS Invercargill has logged 3MP 1380, 2LT 1380, 2GN 1370, Windy, 2CN. Verified are 3XB, 4YZ, KVAC. Hope holiday goes well Merv!

PAUL ROSIE Oamaru has a long list of QSLs: 1ZO, ZM, ZC, ZB, ZK, XX, XW, XI, XA, 2WL, JJ, UE, CH, UW, LF, SM, KO, AY, NZ, GB, NX ZP, ZA, ZN, ZM, ZD, ZB, ZE, ZC, XW on 1080 & 890, 2RE, 3GL, SR, NE, XY, YW, ZC, ZB, ZM, XA, DB, IP, ZA, ZB, YA, XO, QD, QR, 5DN, 7HT Fiji 710. Reports are out to 4BC, 6IX Noumea 670, 2KY, NC and 3AR. Good to hear from you Paul.

ROBIN CHAMBERS Opunake has logged HJDZ 1075, KAWT 1450, Surinam 725, Oman 1035, Pakistan 586a, Gorakhpur 910, Jumbo 545 and 3MP. Veries in from AFRTS Okinawa 650, TIBEAW 1525 - letter stating power is barely 250w. Good one Robin. It's hard to get a definitive QSL statement.

BRUCE CAVANAGH Invercargill has two reports out - 3MA & 3LK. QSLs to come.

DES DAVEY Te Kuiti has a lone log this month KGMB. Agree it's time we were better heard Des. Maybe donations are needed?

DAVID RICQUISH Christchurch is our sole Canterbury contributor this month, and he's resting on his laurels with the 500th veries target reached. QSLs in from 3XB, 3XF, KRLD, KAFF 930 KFSO 560, KRLA, KCBS, KIQI 1010, KXRY 1500, KBRT 740, KCUB 1290, KVON 1440, KBET 1340 - first 250 watter, even if he had to go a little way to get it!

NORM MAGUIRE Hawaii reports a good month with logs of 4RK, 4ZB, 2YB, 4BH DYLA 1555, KASY 990, PJB, KHLO 850, KCRL, KKHI, KYXI, USSR 545 and 575. QSLs from 2JJ, Fiji 560, 3NE, HLDA, 2RE, 4RK, KUMU, 4ZB, 2YB. A good moral booster Norm!

RAY CRAWFORD, Invercargill has veries from 3XB, Majagual, Colombia 1430 and Santa Fe 1070, also DYRC 900.

PHIL BROOKS Wanganui has logged and verified 4XD and WXLE 1385. Yanks will soon be here again Phil. Regards.

CHRIS MARTIN of planet Earth has logged - from Opunake, NZ: XEUR, Colo Colo 1379, Dominica 595, KAWT, KVSJ. From Suva, Fiji: Samoa 1050, Tuvalu 580. From Goulburn, NSW: 2XX 1010, Somalia 963, BBC Cyprus 1322. QSLs - 5AD, 1ZC, ZA, ZN, 2ZP, ZW, ZG, ZD, ZA, 3ZB, ZA, ZC.

IAN WELLS, Milton has one report to Fiji 710 and one QSL from PJB 800. It all counts, Ian.

DENE LYNNEBERG Wellington has them out to 3MP, HJCV 1190, Antillas 1300, 2ZM. QSLs from 2CC, DZHP 1130, DZSA 1230, 7SD 540, AIR Bombay 550, 2ZM 90 watts.

PAUL ORMANDY Oamaru reports a quiet month with AIR 1130 and KDAY logged. QSLs from Petofi 1187, Sharjah 1575, 3XB and 2WG. Re RR form see review of 'Guide to Soviet Broadcasting' in this issue. We are working on a SS Reporting Guide - due next year. Ads are 50c. Re your unids - 870 WWL, 1600 has too many possibilities, 1570 CKLM most likely, though rare in NZ.

LEIGH MORRIS Palmerston North is catching them now, with a new Drake I believe. Logged at home: KDAY and DW Malta 1570. At Robin Chambers: WXLE, XEPRS, Colo Colo 1380, XEUR. Some good QSLs too: VL2NI, WVUV, XEPRS and WXLE. Following to hand after trail typed Monday night Leigh.

MINI TRAIL FROM RANFURLY SHIELD LAND

680 KNBR with "Voice of Prophecy" 0800
700 WLW country music 0605 good.
850 KOA good 0640 with talk show.
1030 KTWO good 0645 talk show. (WBZ?)
1090 XEPRS 'Diego Pop Show' 0615.
1190 KEX good signal 0720.
1380 KTOM jingle & country mx 0715.
1530 XEUR good 0600. Freq SS jingles.
1540 ZNS1 poor 0630 due KPOL mix.

FROM THE BRANCHES

OTAGO. The August meeting was held at Ash Nallawalla's with preparations being made for a DXing display to be mounted at a local hobbies exhibition. Regret was expressed at the loss of Graeme Shillito from the branch, and Jonathan Aitchison is now acting Secretary (28 Cranston Street, Anderson's Bay, Dunedin). Next meeting will be held at the above address at 8pm on Thursday 16 September.

CANTERBURY. The AGM of the branch was held at the Brake Street Lodge Hall in Riccarton, with 14 present and 6 apologies. Incoming committee: President Austin Hadler, V-P's Craig Crawford & Bob Boundy, Secretary Andrew White, Treasurer Bruce Officer. David Ricquish reported on planning for the 1977 Convention, and the meeting concluded with slides from David & Craig's trip to the USA.

BROADCAST TRAIL 5

MORNING (All from Robin Chambers)

- 539 Kuwait exc AA 1835 5/8.
 557 Quazvin, Iran 1835 AA excellent.
 585 Pakistan in EE with pops till
 EE nx 1855. S/off at 1859j
 606 Unid fair 1917. Not AA. Iran?
 620 Cairo strong & regular mornings.
 692 Baghdad poor 1933 6/8.
 701 BBC Masirah in AA at 1835.
 737 Israel good signal 1845.
 777 Zahedan good at 1905 5/8.
 791 RR fair 1905 //800 strong.
 845 RR good 1905. 611 also in RR.
 863 Indonesian good 1430-1455.
 910 AIR Gorakphur fair EE nx 1553.
 918 Phnom Penh good 1505.
 1016 Czech dominant signal 1945.
 1035 Oman fair-good 1900-1925 3/8
 1106 Cairo strong 1910 5/8.
 1178 Unid European good, fading 1947.
 1286 Czech fair-good 1935 5/8.
 1313 AA fair 1915-1945. Aleppo/Sarakeb?
 1322 BBC Cyprus vgood 1835 19/8.
 1380 3MP good at times 1655-1705.
 1466 Monte Carlo excellent 1910.
 1475 Austria mixed USSR 1910 19/8.
 1511 RBI Berlin poor in FF 1900.
 1529 Vatican Radio good 1905 19/8.
 1538 Djibouti good 1835 19/8.
 1570 DW Malta excellent 2100, still
 going well 2125 but shaky.
 1602 Munich, Germany fair 1905.

EVENING

- 540 XEWA very good with id 0520. RCh
 545 Radio Jumbo, Dominica carrier
 often good after 0920 & s/on
 1000 but quickly fades. On ear-
 ly 18/8 0931-0959 good in FF
 thru heavy QRN. RCh
 550 KTSA briefly good 0612. BC
 590 CMW fine Latin mx 0530-0645. DR
 good 0525 //600. 550 weak. RCh
 595 Dominica poor 0930-0933 6/8. RCh
 640 KFI very good, dominant 0725. RCh
 650 KORL fair 0913. PO
 690 KKUA excellent over 3YA 0615. RCh
 700 WLW fair 0615 Sports, Wx. BC
 725 Surinam fair 0910-0938 2/8. RCh
 730 HJCU Melodia good 0540. DR
 750 HJDK strong 0600 mixed another,
 presumed YNX Equis. DR
 760 HJHJ Barranquilla under NZ 0515"
 770 HJKH very strong, regular 0542. DR
 820 HJED fighting 4ZA, reg. 0605. DR
 850 KOA Denver very good 0715. PO
 850 HJKC very strong, regular 0510. DR
 854 OAX4A strongest Latin, nightly
 0500-0700. DR
 870 'R.Nacional' id 0525. LRA? DR
 880 OBZ4U Union under 1YC 0630. DR
 910 YVRQ Aerpuerto strong 0550. RCh DR

- 940 KFRE fighting good 0540. PO
 990 XET good at 0530. PO
 991 Unid Asian poor at 1150. RCh
 1010 CBR off with anthem 0700 over NZ."
 1050 Samoa?? ABC Nx 0600-0610 thru NZ
 24/8 on N.E. beverage. Nothing
 hrd on NW/NNE Aussie antenna. RCh
 1075 HJZJ 'Radio Reloj...Caracol para
 Colombia good 0740 26/7 ex 1080."
 1080 KRLD and KSCO good 0600. PO
 1100 WWWE fair thru 3ZB 0555 24/8. RCh
 1120 KPNW mixed 4YQ 0600. PO
 1170 KVOO good 0515. PO
 1190 KEX and HJCV fair 0520. PO
 1270 CMJG regular signals 0610. BC
 1320 KYXI pops good 0541. BC. Mxd 0630. PO
 1380 KTOM and XECO good 0600. PO
 1430 KELI good 0605. PO
 1450 KAWT Prescott Ariz test 0716 2/8 RCh
 1470 XESM Radio Cinco vg 0530. BC. 0630"
 1495 Philippino ? fair here 1156. RCh
 1510 WLAC here from 0500. PO
 1580 KDAY mixed Mexican 0530. PO
 1600 Unid Yanks 0530. PO. TT 0805 2/8. RCh
 1605 Unid on eastern beverage with
 religious choir mx. Quicky faded.
 Must be in Caribbean?? RCh

CONTRIBUTORS: Robin Chambers, David
 Ricquish, Paul Ormandy, Bryan Clark.

UNIDENTIFIED ASIANS heard by member
 Norm Maguire on a fabulous DX week-
 end at the Kulama Hotel, at the NE
 tip of Oahu, Hawaii. 5 tapes of 90
 mins filled with two unids:
 753 Asian? at 1130. Perhaps Filipino?
 875 Possibly an Oriental. Group sing-
 ing & short choppy speech.
 Any help for Norm on these? Robin?

AUSSIE BROADCAST TRAIL - CHRIS MARTIN

- heard at the Goulburn, NSW beverage site.
 635 Unid with classical mx, abruptly
 off 0912. Eastern beverage. C. Am?
 730 XEX good over 5CL with SS 0915.
 737 Kremlin bells under Israel 1830.
 740 KTRH talk prgm mixed 2BL 0905.
 755 Yemen vg with AA music 1810.
 764 Sudan very good in AA 1800.
 836 Lebanon with AA Nx 1800, good.
 900 DYHP on top 1725 with EE news.
 963 Somali strong with ethnic mx 1735
 In 77 to 9585. Very new on MW.
 1195 Unid Asian. Indonesia? good 2045.
 1320 La Cronica s/on with Peruvian
 anthem 1058. Best after Fiji off
 at 1105.
 1322 BBC Cyprus good, clear in EE 2045.

BEST OF THE MONTH - SEPT 1976

Senior: HJPO 1430 5kw Ray Crawford
 Junior: Sharjah 1575 50kw Paul Ormandy

PACIFIC ASIAN REPORT

LORD HOWE ISLAND: "Radio on Lord Howe Island" began operations on 20/1/76 on 1490kHz with 12 watts aerial power. The transmitter soon developed problems and went off the air on 29 March. It was due back on-air in mid-June with a power increase to 50w. The station serves a population of 250 and has been on the air for 5 hours in the morning and 2 hours in the evening. Hanish SCDXers

SOUTH KOREA: KBS's Sunchon relay station uses the callsign HLKZ on 1540kHz with 1kw. BBC MS (c)

FIJI: Several Fijian parliamentarians have voiced approval of ideas to have a commercial radio network in opposition to the Fiji Broadcasting Commission, so that it may bring more competition for the listening audience. B.R.Williams

NEW ZEALAND: See Broadcast DX intro for details of 4XB Radio Queenstown. LYZ is now off regular all-night broadcasting every three months. The next silent period will be on the first Monday morning in October. Merv Branks
A low cost radio repeater is being considered for Reefton on the West Coast of the South Island. Tests have been carried out at the elevated site of the TV translator near Reefton. This will assist in cost saving and also allow better off-air reception from Kumara and from Cape Foulwind, and would require fewer VHF/UHF links if either of these methods of input feed were adopted. Reception in the area is very poor due to the low ground conductivity. Tune In

SAUDI ARABIA: Nuzla 702kHz with 50kw is new. Sunspot

JORDAN Ajlun 912kHz with 1200kw has been on air since 29/10/75. DSWCI via NRC

SYRIA: Deir el Zor with 60kw is now on 953kHz ex 960. WWDXC

THAILAND: The Public Relations Department has opened a new station in Phang-Nga Province on 28/7. It operates on 1340kHz with 10kw. BBC MS (c)

SRI LANKA: Trans World Radio's 400kw MW transmitter will use 890kHz with target areas of India, Pakistan, Bangladesh, Nepal, Tibet, Afghanistan & Burma. It is scheduled for completion early in 1977. Dene Lynneberg

GUAM: TWR 770kHz 10kw, was struck by Typhoon Pamela recently, but suffered no harm. The SW transmitter site sustained damage estimated at a 'couple of hundred dollars' - mainly a few sheets of corrugated metal ready for installation that the wind 'borrowed', plus some damage to site roads. KTWG 770 operated on reduced power with emergency generating equipment during the typhoon. DL

ISRAEL: Correcting last month's item, the new Israeli pop music station is on 529kHz since June. The service is called 'Reshet Gimel'. SCDXers

AUSTRALIA: 2EA's address is 2EA Ethnic Radio, c/- Christian Broadcasting Assn 420 Lyons Road, Fivedock 2046, NSW. Prepared card & reply postage mandatory. CM
6NR 930kHz with 500w, operated by West Australian Institute of Technology was due on-air on 2 August. Ian Stanley Tune In

3MP operates 24hrs a day with 5kw on 1380. According to a letter from



Mornington Peninsula Broadcasters Ltd.
Bayside Shopping Centre
Beach Street, Frankston 3199

Chief Engineer Murray D. Korff, their transmitters are located just north of Dandenong and are RCA 5kw ampliphase type BTASL2, feeding a directional antenna system with protective nulls toward Lithgow and NZ (Why NZ? Ed). QSL cards will be sent by airmail as soon as they are printed. Address is Mornington Peninsula Broadcasters Ltd, Bayside

Arthur Cushen

Shopping Centre, Beach Street, Frankston 3199.
The ABC Radio 3 network will, from the end of October, carry ABC Radio 2 programmes after the 7pm news. It is not known if the regionals will continue to close at midnight or extend to 1am along with Radio 2. But the ABC say there will be no cutback in transmission times. 2JJ continues 24 hours. 3ZZ hours have been extended to 1400 s/off on 1120. 2EA and 3EA have had federal finance extended until the end of September. Chris Martin. In the evenings, when Parliament is not sitting, Radio 1 programmes will all originate from Sydney. BrW
It costs \$420,000 a year for the ABCB to monitor TV and radio throughout the country. There are proposals to scrap the ABCB as it is presently operated.

Bruce Williams

BROADCAST NEWS FROM EUROPE.

International Waters: Radio Caroline has put a 10kw transmitter into operation on 1562kHz with EE carried 24 hours a day since 15/5 with an album music format. 1187kHz is in parallel 1800-0500, and for the remainder of the day carries the Dutch/Flemish programme of Radio Mi Amigo. SCDXers

Monaco: Trans World Radio, Monte Carlo is sked on 1466kHz as follows: 0445-0515 daily in GG, 1915 Saturday in Turkish, 1930-2000 daily in FF (to 2015 Sundays), 2000 RR Tue/Thu, in Italian Saturday, Hungarian on Mon/Wed/Fri, 2015 Czech Mon/Fri, Serbo-Croat Tue/Wed, Polish Thu/Sat, and Italian on Sunday, 2030-2100 in GG daily. 701kHz carries Italian Monday to Saturday at 1700-1715 or 1730-1745 (printed sked at variance). BC

Italy: New stations include 539kHz Cagliari 17kw, 652 (or 656kHz) Bari 30kw & Pisa 20kw, 710 Rome 20kw, 773 Naples 20kw. MWC via NRC

Austria: ORF1 Mariapfur 1025kHz with 70kw is new. DSWCI via NRC

East Germany: Berliner Rundfunk 1052 at Suhl is new, also Reichenbach on 1358 ex 917, DDR 1 Kenla 557 is new, Dresden 1043 has been closed down. BDXN via Sunspot

France: Nice 1554 address is Centre Emetteur, Plateaux Fleuris, Antibes O6600, France. Chief Engineer is Mr J. Ravaux who is a stamp collector. D.Monferini NRC

Poland: 14 new MF broadcasting stations will be installed by 1980 including 1500kw at Katowice and 400kw near Wroclaw. BEC MS (c)

Hungary: A 2000kw Russian-built tx is under construction at Solti to carry the Budapest domestic service 'Radio Kossuth' and replace the old Lahihegy transmitter of 300kw on 539kHz. Completion is due by end of November, with the 300kw unit being retained in a standby role for a period, but later to be used for the Budapest II programme (872kHz) or Foreign Service. BEC MS (c)

Portugal: Further to the info in the May Times, Radiodifusao Portuguesa's Prgm I is only 24hrs on 665kHz. Faro 557, Porto 719 & Coimbra 1448 s/on at 0600. News every hour on the hour. Prgm III National is commercial 24hrs on Porto 782, Lisbon 1034. Lisbon 1594 & Porto 1578 carry Prgm III Local. Not nationalised are Renascensa 1286, Porto 1169. Sunspot

AFRICAN MEDIUM WAVE SCENE

Clandestine: Voz de Africa Livre has been heard opening at excellent level at 1800 on 998kHz in PP directed to Mozambique. Prgm concludes 1900. No location mentioned but Rhodesia has 100kw listed at Gwelo on this channel. Colin Miller RSA

Sudan: A new 1500kw superpower station will soon begin broadcasting on 1295kHz from Sennar. President Numayri has announced that "the world would hear the voice of our radio" when the station was completed. Sunspot/BEC MS (c)

Upper Volta moved from 737kHz to 746 KHZ late last year due to 'interference by remote countries'. BEC MS

Malagasy Republic: The Soviet Union is assisting with construction of a 160kw MW transmitter. BEC MS (c)

Somalia: Radio Mogadishu has a new 150kw tx on 963kHz carrying Somali Home Service 0300-2100 // to 6095. R.Ginbey SCDXers 10/8

Morocco: Voice of Morocco Tangier on 1232KHZ is now 200kw. Sidi-Bennour 773, Agadir 935 and Tetuan 1052 are all increased to 600kw. MWN via WWDXC

Tunisia: Gafsa 584kHz with 350kw became operational on 28/6. Following test tx, the station is to carry the National Programme (not ours!) in AA 0415-0030. BEC MS (c)

Mauritania (former Spanish Sahara): Laayoune (formerly El Aaiun) is now a regional station of RTV Marocaine broadcasting 11 hrs AA and 7 hrs SS daily on 656kHz. Villa Cisneros is now known as Dakhla, under joint occupation of Morocco & Mauritania. 998 is inactive. ARC via Sunspot

Libya: Voice of the Arab Homeland is aired 1900-0100 on Misurata 1448 20kw Tripoli 1250 & Bayda 1124 both 1000kw Domestic prgm is carried by Benghazi 674 100kw, Tripoli 1052 50kw, Tobruk 1394 10kw & the above tx prior to 1900 GMT. BEC MS. The Tripoli domestic service is now on 827kHz with 600 kw at Sebha. Oliver Gøønerwardene of UADX notes it //1124 & 1250 at 0000. BEC MS notes them here from 1530.

Note: A Syrian is reported on 827kHz by BEC & Aust/NZ DXers. Which is it?



REGIONAL ADMINISTRATIVE BROADCASTING CONFERENCE for
LOW & MEDIUM FREQUENCY BROADCASTERS

October-November 1975

Extracts from the final Press Release.

The conference, chaired by Derek C. Rose of New Zealand and attended by officials from Region 1 (Europe, Africa) and Region 3 (Asia, Australasia), successfully drew up a frequency plan and an agreement on LF and MF broadcasting in the regions concerned. The agreement will enter into force on 23 November 1978 at 0001 GMT, and is intended to cover a period of 11 years from that date. The agreement will, however remain in force until it is revised by a competent conference of the members of the ITU.

The new agreement will replace the European Broadcasting Convention, Copenhagen 1948, and the African Broadcasting Agreement of 1966, and will establish a plan for the remainder of Regions 1 and 3.

In order to arrive successfully at a workable plan, the conference made full use of a number of techniques which allow a greater number of broadcasting stations to use a given band of frequencies. These techniques are as follows:

- 1) reduced bandwidths
- 2) directional antennas
- 3) synchronised networks
- 4) low-power channels.

The conference allocated 3 channels for use exclusively by low power stations of not more than 1 kilowatt. These channels will contain a total of 2535 low-power broadcasting stations.

The plan as agreed contains a total of 10,248 broadcasting stations having a total power of some 500 megawatts, as compared with 4400 transmitters with an overall power of 150MW in operation at present.

via Theo Donnelly

IMPLEMENTING THE FREQUENCY PLAN - A NEW ZEALAND REPORT ON PROGRESS

Subsequent to the ITU Broadcasting Conference in Geneva last year, (see above) which approved 9 kiloHertz frequency spacing for mediumwave stations in New Zealand, Australia, the Pacific and Asia, a meeting was recently held in Melbourne between representatives from NZ, Australia & Papua-New Guinea. According to extracts from a BCNZ report quoted in the NZDXRA's "Tune In" for August, the meeting was mainly to discuss the coordination of frequency allocations, both before the new frequency plan becomes effective in November 1978, and thereafter. Specific points sought included:

- 1) To have synchronised pairs of frequencies for the Kaitaia and Whangarei transmitters so that this operation could be implemented and any teething problems overcome well in advance of November 1978.
- 2) Shift some other stations closer to their final frequencies to make the 9kHz channelling changes easier to implement on the specified date.

The report goes on:-

"There is growing awareness of the beat problem that will be encountered with 10kHz channelling in Region 2 (the Americas) and 9kHz channelling elsewhere. The FCC (USA) have indicated their willingness to arrange retuning of a 50kw transmitter - KFI Los Angeles (640kHz.Ed) so that measurements may be made of the 1kHz beat. NZ, Fiji and Australia will be conducting observations as soon as arrangements with all parties can be completed".

"There was general agreement on the undesireability of participation in a power race. Power escalation from South East Asia may increase interference into our area. Every endeavour should be made to convince others of the futility of a power race. Australia considers that some sites of 50kw were being built in by suburban development and they were considering a number of 5kw synchronised stations as a solution. It is not clear how they would overcome the mush interference areas that can result from synchronised systems unless a chain of synchronised stations is used, say, 5 frequencies in 5 cities (25 repeaters) but no two frequencies repeated in one city. We would be interested to see the results from multiple synchronised transmitters."

"Concern was expressed that some of the Pacific Island countries may encounter difficulties in implementing the 9kHz channelling and that severe interference to the countries in the region could result.

CONCLUDED

1978 FREQUENCY PLAN PROGRESS

9

INDIA: According to the DX Digest of India the Geneva Conference on a new MW Frequency plan has granted many new stations to India. After China, they will have the greatest number of frequencies allocated. Some transmitters will be for day-time use only and the Plan includes provision for 7 programmes in major cities such as Delhi, Bombay, Madras and Calcutta. There will be 352 low powered transmitters, one for each of the 352 districts of India. There are plans for four superpower 1000kw transmitters for Bangalore, Nagpur, the Greater Nicobar Islands and New Dehli. India's future plan for MW broadcasting is for 787 daytime and 500 night-time transmitters, as against 111 being operated by All India Radio at present. AIR currently radiates a total of 4,245kw on mediumwave; when the plan is implemented this will rise to a total of 70,892kw daytime and 18,467kw at night. via Arthur Cushen

NORWAY: A 1000kw station on a frequency around 1313kHz is planned for Kvitsøy, near Stavanger. Also 1000kw will be used on a frequency near 629kHz from Smøla, near Kristiansund. Distance via Sunspot

LIECHTENSTEIN: The frequency plan will result in a new country on MW - Radio Liechtenstein has been granted operation on 1386kHz, commencing 28 November 1978. Transmitter output will be 500kw. SCDXers

HOLLAND: Effective November 1978, power increases will be permitted, more directional antennae will be required, and Holland will reappear on LW 173kHz sharing a 500kw transmitter with Belgium. The Dutch First Programme will be aired on 747kHz 500kw omnidirectional and relayed on 1251kHz 20kw. Second Programme will use 1008kHz 500kw, with relay on 891kHz 20kw. The Third Programme will use 1395kHz 500kw, with relays on 675kHz 120kw and 1224kHz 20kw. Frequencies of 1485, 1584 and 1602kHz will be limited to stations having a maximum output of 1kw. Jaap Klein/AK

EAST GERMANY: Frequency plan effective 23/11/78 includes :

531kHz DDR1 Leipzig 100kw 24hrs	1044kHz DDR1 Burg 1000kw 24hrs
576kHz DDR1 Schwerin 250kw 24hrs	1323kHz Nauen (relay Moscow 1000kw 0400-1800, 150kw 1800-0400.
657kHz Neubrandenburg 2000kw 0400 - 1800.	1359kHz Berlin 250kw 0400-1800, 100kw 1800-0400.
693kHz Berliner Rundfunk 250kw 24hrs	1431kHz DDR1 Dresden 250kw 0800-1500, 150kw 1500-0800.
783kHz Stimme der DDR Burg 1000kw "	1575kHz Neubrandenburg 500kw 24hrs.
882kHz Wachenbrunn 250kw 24hrs.	

(Not known if times GMT or local)
There are also 11 stations of 30kw or less in the list. WWDXC

WEST GERMANY: The 1978 plan includes the following stations of 100kw plus:

549kHz DLF Bayreuth 100kw & Recklinghausen 100kw, both 24hrs.	855kHz RIAS 2 Berlin 100kw 24hrs.
567kHz SFB West Berlin 100kw 24hrs.	873kHz AFN Frankfurt 150kw 24hrs.
576kHz SDR Muhlacker 300kw 24hrs.	909kHz BR Munich-Ismaning 200kw 24hrs
594kHz HR Frankfurt 800kw & Hoher Meissner 100kw, both 24hrs.	936kHz Radio Bremen, Bremen 100kw "
630kHz DLF Braunschweig 100kw 5-1700.	971kHz NDR Hamburg 600kw 24hrs & WDR Langenberg 0800-1700 800kw.
666kHz SWF Rohrdorf 300kw 24hrs	990kHz RIAS 1 Berlin 300kw 24hrs.
684kHz RIAS Hof/Saale 100kw 8-1500.	1017kHz SWF Wolfsheim 600kw 24hrs.
720kHz WDR Langenburg 200kw 8-1700.	1197kHz VOA Munich 300kw 24 hours.
RFE Holzkirchen 150kw 04-01.?	1269kHz DLF Neumunster 600kw 24hrs.
736kHz DLF Braunschweig 800/200kw & Ravensburg 100kw 24hrs.	1422kHz SR Heusweiler 1200/600kw 24hrs
801kHz BR Nurnberg 500kw 24hrs.	1539kHz DLF Mainflingen 700kHz 24hrs.
828kHz NDR Hannover 100/5kw 24hrs.	1593kHz WDR Langenberg 800kw 17-0800.

(Many of these change to directional antennae during night hours.) WWDXC

CONCLUDING from page 8 : Delegates agreed that wider discussions for coordinating the changes to 9kHz channelling within Region 3 were most desirable!

ROLL ON NOVEMBER 1978 - A WHOLE NEW BALL GAME FOR BROADCAST DXING!

LISTINGS BY CONTINENTS

Another installment of our twice-yearly statistical breakdown by continental area of the QSLs received by members. Points to note: Central America is included in North America, an asterisk after Oceania total indicates Antarctica QSL'd, an asterisk after entrants name indicates deletion next time if no updated totals received. If you're not already in the listings, you have till March 1977 to work out your totals. Featured continent next time will be NORTH AMERICA. We would like to know what QSL you consider your best from that continent.

BROADCAST

	<u>A/NZ</u>	<u>Ocia</u>	<u>S.Am</u>	<u>Nth.Am</u>	<u>Eur</u>	<u>Afr</u>	<u>Asia</u>	<u>Cnts</u>	<u>Total</u>
Norm Maguire(Hawaii)	47	38	15	2710	17	1	39	57	2867
Arthur Cushen	396	98	20	1131	127	26	417	143	2215
Merv Branks	607	102	9	918	55	6	414	132	2111
Keith Robinson	367	74	23	1228	107	8	257	113	2064
Ray Crawford	315	64	25	280	87	12	278	122	1061
Laurie Boyer*	239	42	6	707	85	14	161	89	1254
Eric McIntosh	353	60	2	317	57	5	123	84	917
Sutton Burtenshaw	282	60	24	337	35	3	109	92	850
Robin Chambers	260	?	10	272	88	18	178	103	826
David Ricquish	258	55	4	135	6	0	43	47	501
Chris Martin(Australia)	127	26	4	126	61	20	115	120	493
Paul Aronsen	252	26	1	91	12	10	40	?	432
Hank Wilkinson(USA)*	22	31	79	146	14	2	93	69	387
Bryan Clark	97	43	15	162	22	2	38	72	380
Paul Ormandy	161	20	2	50	7	0	25	39	265
Jim Benzoni	159	17	2	50	0	0	9	23	237
Paul Rawdon	91	10	1	28	0	0	6	17	136
Ash Nallawalla*	91	5	3	10	1	0	4	19	115
Bruce Cavanagh	91	10	0	14	3	0	5	19	123
Gavin Bennett*	66	8	0	26	1	0	6	18	107
Philip Brooks*	77	6	2	7	0	0	3	11	95

SHORTWAVE

Barry Williams	73	80	109	256	545	467	466	208	1996
Ray Crawford	97	58*	100	131	499	98	285	143	1271
John Mainland	26	35	119	98	540	203	235	174	1256
Bryan Clark	127	39*	59	136	354	225	147	166	1087
Bill Huddleston	67	26	27	134	435	85	310	116	994
Laurie Boyer*	80	94	94	43	196	65	?	107	631
Eric McIntosh	66	72*	35	104	179	59	103	110	619
Paul Aronsen	34	36	30	72	230	39	116	?	557
Jim Benzoni	48	34	30	70	158	28	92	88	458
Paul Ormandy	42	22	13	50	132	45	78	97	383
Bruce Cavanagh	18	25*	20	20	135	28	99	86	344
Paul Rawdon	25	10	30	26	116	24	75	96	306
Brent Allred	32	5	57	22	117	7	40	45	280
Cecil Symmes*	43	9	10	39	92	12	52	65	257
Jonathan Aitchison*	31	13	21	25	89	8	56	64	243
Bill Vogel(Australia)	37	12	18	22	68	30	54	100	240
Brian Gall*	11	7	7	24	76	11	52	73	188
Ian Wells	9	10	8	20	41	4	30	56	122
Alex Wellner(Australia)*	17	?	9	8	49	9	28	67	112

BEST QSL'S FROM AFRICA: Norm Maguire-Algiers 1176 50kw, Ray Crawford-Djibouti 1538 4kw and Reunion 2446 4kw, John Mainland-Lesotho 4800, Bryan Clark-Reunion 2446 and Cairo 620, Sutton Burtenshaw-Cairo 620, Robin Chambers-Benghazi 1484 10kw, Chris Martin-Brazzaville 1475 80kw, Jim Benzoni-CR6RN 4870 1kw, Bruce Cavanagh-Chad 4904, Bill Vogel-Niger 5020, Ian Wells-Radio RSA 21545.

One entry received without name, nor did the GPO provide a postmark clue: SW
 50 14 14 42 114 18 113 79 365
 with best African verie: TWR Swaziland 9590.

CONVENTION

REPORT

Plans are going ahead well for Convention 77, to be held at Christchurch over Easter Weekend 1977. Facilities are excellent at the site on Godley Head, which is surrounded on 3 sides by the sea. A varied social programme is being arranged, including a visit to Ferrymead Historic Park, and to Akaroa on Banks Peninsula. Latin DX is expected to dominate and a special has already been arranged with a South American station. With cessation of the Rangitira service, conventioners will find air, car and train transport the easiest. There will be visitors from Australia and enquiries have been received from DXers in Hawaii and California. Will you be there?

Dates are April 8, 9, 10 & 11, and the all-in cost of the weekend will be in the region of \$10 to \$12.50. DR

MEMBERS IN THE NEWS

ARTHUR CUSHEN's popular "DX World" programme resumed broadcasts over RNZ on 5 September. It is carried on the National YA network at 1015 GMT on the first Sunday in the month, and hence is relayed by the Shortwave Service at that time. Congratulations to Arthur! ACDXW is undoubtedly great publicity for the DX hobby and the League.

TONY KING will host a monthly Mailbox feature, primarily to acknowledge the overseas mail received by RNZ. This will be aired at 1015 GMT on the third Sunday of the month. Again, with a large domestic audience, the DX/SWL hobby will receive great publicity.

ROBIN CHAMBERS and ECB DX are the subject of a half-page feature article in the Taranaki Herald Weekender of 31/7, written by GRAEME HAMMOND. The well-prepared text is supported by 3 large photographs of Robin 'in the act'. DX also features in the Otago Daily Times of 28/8, with a photograph of local branch members ASH NALLAWALLA, DAVID HIRD and IAN RUSH manning a display at the Combined Models and Hobbies Exhibition.

RADIO SWEDEN is verifying with a QSL commemorating the Swedish Royal Wedding of 19 June. Brent Allred

SEYCHELLES became an Independent Republic within the Commonwealth on 29 June. Paul Rawdon

DXCURSION

Response to our first announcement for DXCURSION has been excellent, and Keith Glover at Radio Australia has confirmed that plans are in hand for the visit to Shepparton, the tour in Melbourne, and the visit to SAL, Melbourne and Sydney DXers also have functions organised for our visit.

We have had several enquiries about aspects of the trip, and these may be of interest if you are thinking of joining the group.

Do you have to be a League member to join the tour? No, anyone is welcome, and participation in the DX aspects will be purely optional. If a day in Melbourne is preferred for instance to the trip to Shepparton this may be taken. The tour naturally has a strong radio flavour- but non DXers will find it equally enjoyable - we guarantee that! This may be a wonderful opportunity for New Zealand hams to visit the VK's.

What is the rate for Children? The full fare applies, on the land content. Age dictates air fare. We know of several DXers in North America who would like to coincide with the DXCURSION. Write us for the cost commencing Melbourne - this applies also to any Australian members who would like to string along!



The 1975 DXCURSION in Albury.

Once again we have a very full and interesting mailbag so without much ado lets get right into it and see just what we have.



ADMIRALTY IS: Radio Manus 3905 kHz. Personal letter from Peter Sohia, Asst. station manager and announcer at time of logging. Received in 4 weeks for rpt with pennant & mint stamps (B.Clark) letter in 5 weeks for 1 IRC (P.Edwards) Good work seems they are now verifying okay. Ed.

AUSTRIA: Austrian Radio ORF. Aldrans 6000 kHz. QSL Card featuring a 'Salzburg' colour photo with full details on reverse side. Received in 46 days for EE report. (P. Ormandy) **Austrian Army Radio** OEY21/52 6221 kHz 1 Kw. A large card in German in 11 weeks for English report and 1 IRC. Gives sched. as 1000 - 1400 and 1530 - 1900 GMT Mondays to Fridays. (B.Clark, J. Mainland & P. Edwards. Nice catch there. Ed.)



SCHULUNGSENDER
des Österreichischen Bundesheeres
Gubrieglstraße 45 A 1102 WIEN

BELIZE: Radio Belize 3300 kHz. Attractive QSL CARD featuring map of Belize with symbol and full details on reverse. Received in 23 days by air for EE report and IRCS from v/s Mrs. J. Roberts. (P. Ormandy, P. Edwards)

CANADA: Radio Canada QSL Card, filled in details on card supplied by RCI (ndy, P. Edwards) and sent off with report. Returned stamped 'verified' (B. Williams, Yes Barry indeed your annual verie from them, but what frequency? You can put more than one frequency on the card as I did.)

ECUADOR: Provincia de Galapagos. La Voz de Galapagos HCVG8 4810 kHz. Verified airmail after 3 months. Reported to Padre Edgar Raul Pinto and appears to be written by his secretary although signed by Padre Pinto as well. Attractive letterhead (see last months Times. ED.) Used Spanish report and letter. (B. Williams. Very good one to have Barry. ED.)

FRANCE: Radio France International 9525 kHz. QSL card received in 3 weeks with pennant and schedule for EE report and gifts. No verie signer. (B. Allred)

GABON: Radiodif. Gabonaise. 3350 kHz French letter received for French report talking 34 days. v/s Jean Nembe. Rpt included 2 IRC's & stamps. Requests reports for 4830 outler. (P. Ormandy)

GREECE: Voice of Greece. 5960 kHz. Stereotype letter of verification from P.O. Box 360 Athens. Received in 1 month for EE report. v/s I. Lampsas, Director General. (M. Smith)

GUATEMALA: Radio Cultural 3300 kHz. attractive QSL Card showing Quetzal bird together with a letter, religious pamphlet and colourful tourist brochure and program schedule. All received in 23 days for English report and 1 IRC. (P. Edwards)

HOLLAND: Radio Nederland 11730 kHz. Special EDXC QSL Card with details on front and reverse. Received in only 16 days. (B. Allred)

HONDURAS: La Voz Evangelica HRVC 4820 kHz. QSL Card showing call letters in red and map of central America showing Honduras. Card gave date only. Received in 22 days for EE report & 2 IRC's from v/s Felipe Aguilar E. (P. Edwards) (B. Allred)

JAPAN: Radio Japan 15310 kHz. QSL Card depicting a grove of Bamboo plants received in 11 days.

KENYA: Voice of Kenya. Nairobi 4915 kHz Aerogram verie giving full details. Features pictures of B/H House and SW Transmitting station. In 30 days foe EE rpt & 2 IRC's. (P. Ormandy) Nairobi 4804 kHz. Aerogram verie in 17 days for EE rpt and 1 IRC (D. Lynneberg) Kisumu 4885 Aerogram verie in 20 days for EE report with 1 IRC (P. Edwards)

NETH. ANTILLES: Radio Nederland, Bonaire. 11730 kHz QSL in memorian of Eddy Startz received in 1 month. (B. Allred) Special EDXC QSL Card commemorating 10th Annual general Meeting of EDXC in Hilversum. 11730 kHz (B. Vogel) 15220 kHz (P. Ormandy)

NEW HEBRIDES: Radio Tanafo 3975 kHz. Verified report of 16th May by airmail. Personal letter from Jimmy Molly Stevens. Address etc. same as Arthur Cushen's previous details. (B. Williams. Nice Ed.)

MOZAMBIQUE: Radio Mocambique 9620 kHz. Rpt on reception over five days resulted in 5 separately mailed QSL cards received in four weeks. Attractive multicolour card highlighting Mozambique on a map of the world. EE rpt & 2 IRC's. (B. Clark)

PHILIPPINES: Radio Veritas colourful card for 11830 kHz with full details on reverse. Card shows map of asia with lightning emanating from the Philippines. v/s Margaret Cheng Audience Relations Officer. (B. Cavanagh) **Radio Filipinas** 9580 kHz. Red Card with all data except time logged & personal letter and pennant. 3 months by seamail for EE rpt. v/s Thelma M. Maceda, VOP O/s Sup. (M. Smith) well that's it. Tnx to: Brent Allred, Bruce Cavanagh, Bryan Clark Paul Edwards, John Mainland, Paul Ormandy, Mike Smith, Barry Williams, Bill Vogel and of course myself. 73's Ed. Dene Lynneberg.



Shortwave Mailbag

with TONY MARR

13

Some good lists of veries this month, and it's good to see plenty being sent away too. Also, it's good news to hear that the VOA will continue to verify their transmitter sites, providing of course that you can tell which one you are listening too. Well, there's a big list of veries, so let's have a look :

STEVEN GREENYER Invercargill is first up with them back from CE610 6100 PRC5 4855 OCK7D 2250 Cayenne 2385 and Centinela del Sur 4895. Nice Latins.

WYN MACHON Invercargill has them in from RA 9570 15255 RSA 4875 HJAE 4965 with pennant CBC 6140 Warsaw 9540 RNE 11720 11880 OAX4Z 6082 NHK 5990 HCMJ1 4910 also with a pennant Peking 15060 with pennant and badge Singapore 6155 YVMS 4880. Wyn also has 18 out.

BRUCE CAVANAGH also of Invercargill has logged 3 and has 5 back from ETLF 9510 FEBC 7225 RNE 11720 RA 9570 YVOC 4980.

PAUL EDWARDS Wellington has 12 out and QSLs from BBC Cyprus 2989 HRVC 4820 TWR Swazi 4790 Martinique 2315 Congo 2222 Zambia 11880 HJAE 4965 Canary Is 15265.

PAUL RADWON Lower Hutt has 15 out, QSLs in from Martinique 2315 Kenya 4885 Bangladesh 15410 Congo 4765.

MASAMI ONIZAWA Japan has QSLed RFE 15215 RN 9715 11740 with calendar RNE 11920 Thai 9655 Bucharest 11790 P2T9 IBRA 9670 with pennant and sticker Sweden 15120 IBA 9815 9009. You're doing very well.

DENE LYNNEBERG Wellington has 11 out and has heard from CBC 9655 11825 15175 Kenya 4804 TWR Swazi 4790 Malta 6025 Enugu 6025 Zaracay 2290 Mozambique 9620 for country 186.

TIM Mc SWENEY Queensland has logged 3 and QSLed RSA 4875 RNZ 6080 9585 PRL8 11780 Malaysia 15290 HCJB 9745.

JOHN MAINLAND Wellington has heard back from Veritas 9610 Brasilia 11795 Iran 9765 WYFR 15110 Martinique 2315 ORU 11940 Malta 6025.

BILL HUDDLESTON Auckland has 12 reports away and a bundle of replies from SEC 11870, RA Shepp 15140, Lynd 5995, NHK 9700, Prague 15110, Budapest 15160 with pennant, Israel 15465, Vatican 9625, TWR Bonaire 11925 and RN Bonaire 6165.

(One entry without name - please resubmit)

LINDSAY ROBINSON has sent 5 away, and has answers from Papua 9520 ORF 17810 HCJB 6095 RA 9760 Super HCMJ1 4910 with pennant Zaracay 2290 Andina 4995 also both with pennants. Very nice, too.

ARTHUR CUSHEN Invercargill has them in from WYFR 5985 Brasilia 11795 Grenada 15105 Sri Lanka 11800 2385 Mozambique 9620 TWR Monaco 5945 HCERS 4890 RNE 15440 Budapest 7180. Lucky you with Grenada !

BILL VOGEL Adelaide has 2 out, and QSLs from RNE 9620 11720 15440 with pennant NHK 11815 Kiev 9610 RN Bon 11720 and RRI Bandjarmasin 5970 for country 100. Congrats on the century. Yes, you can count Kiev only if the transmitter site specifically mentioned, Bill.

CECIL SYMMES Wellington has verified VOA-PRI1-17790 HJAE 4965 Vatican 11715 Manus 2905 RN 6020. Ta.

IAN WELLS Milton has sent off 4 and has a toner back from Lisbon 6025. They all help, Ian.

BOB BOUNDY Christchurch has 2 out, and answers in from Bucharest 11940 Brasilia 11780 Praha 11855 6055 AIR 11620 NHK 9505 RSA 4875. Good.

JACK SEARLE Haumoana has them in from Veritas 15280 RA 7240 15415 7290 VLR6 6150 NHK 5990 Finland 9550 Moscow 9550 Pyongyang 9420 SBC 11950 AFRTS Delano 17765 Manus 2905 for country 100 also. Congrats to you, too, Jack.

PAUL ORMANDY has logged 40, and has QSLed IBRA Malta 6025 DW 21560 7285 RN Bon 15220 VOA Mon 6025 Finland 11755 Peking 7025 with pennant and tie pin HCJB 11825 E. Sepik 2225 Brunei 7215 SABC 2955 trt 9515 11880 Maputo 9620

VOA will show transmitter locations on QSLs, when the location is included in reception reports. You can determine these by reference to the VOA "Frequency Schedule". Write to Mr L.W.Patterson, Public Affairs Specialist, USIS, P.O.Box 1190, Wellington for a copy of this indispensable publication. LM

IAN CATTERMOLE Blenheim has a big list with JOZ 2925 nhk 11960 9505 RA 7220 VOA 9760 9625 Singapore 5010 9625 RRI Mataram 2225 Pakenbaru 5885 BBC 5965 Malaysia 9750 6175 RSA 4875 RNZ 6080 6105 Noumea 11710 YVMQ 4990 CBC 9625 Peking 6290 Tanafo 2975 Pyongyang 2560 OAZ4C 4995 with pennant.

DES DAVEY Te Kuiti has sent a ioner off and has QSLs from CBC 9625 RN 9715 NHK 15195 15210 17880 Tahiti 11825 Budapest 11940. Ta.

JIM BENZONI Hamilton has verified RA 7250 9770 5995 NHK 9670 CBC 9570 VOA Kavala 9770 Bucharest 11940.

PAUL ARONSEN has b away and has heard back from IBA 15100 VOA 2700 RSA 2980 2985 ETLF 11800 RNE 11800 WINB 15185 Warsaw 7270 RSA 11900 15220 4875 VOA 11740.

HANS de JONG Tasmania has QSLs in from Papua 2925 VOA Phil 7165 RFI 9525 11825 Cuba 9525 9600 RNZ 9585 11845 15380 CBC 9655 RA 9770 11925 15190 15415 RNE 11720 TWR Bon 11925 Malaysia 15290 15295 ORF 17765. Thanks, Hans; really appreciate your neat set out.

DES MILLS Dunedin has 6 out and QSLs in from RNE 11880 Cuba 11760 VQ05 5020

PAUL ROSIE Oamaru has a good list in his first contribution to us, with QSLs from AFRIS 9700 Bucharest 11940 PRL8 11780 Sweden 6065 RN 9715 11720 Warsaw 9675 with pennant Seoul 9640 DW 9765 NHK 5990 9585 15210 SBC 9590 9725 11775 Moscow 9600 11690 11820 HCJB 9745 11915 plus pennant RNZ 6105 9520 9585 Peking 9460 also with a pennant, also for 11720 VOA 9700 RA 5995 9515 9540 9570 9580 9720 15400 P2K2 2925. Thanks, Paul, a good list.

JACK FARROW Lower Hutt has them in from RNE 6065 IBA 12045 RA 11725 HCJB 17775.

BRYAN CLARK Wellington has 4 out and has had success with DW 2995 after 19 months Zambia 11880 for country lbb. Good.

LEIGH MORRIS Palmerston North has 7 out and verifies from Finland 9550, Malaysia 15290, IBRA 9670 and RCI 9570.

JONATHAN AITCHISON Dunedin has QSL'd VL16 6090, Sth Korea 9600, FEBC 15390 & Saudi Arabia 7195.

BRAWT ALLRED Motueka has them back from BCC 11860 Clarin 4850 Tahiti 15170 CBC 6125 RNE 6075 RBI 6040 VLW15 15425 Cuba 11815 IBRA 9670 with pennant HCJB 6130 11915 Praha 5920 BBC 9410 IBA 12045 RNZ 6105 Sweden 11705 Sofia 9700 and pennant. Bucharest 11940 Warsaw 6095 WYFR 11705 11855 RA 15240 15140 15255 9515 NHK 9670 ORF 15435 KGEI 5980 SBC 11775. You've been busy.

TONY MARR Wellington has a couple back with FEBA 15325 and Dubai 6040.

BEST OF THE MONTH

OVER 9MHZ

DW 21560khz 100kw

Paul Ormandy

UNDER 9MHZ

Congo 5252khz 4kw

Paul Edwards.

STATION OF THE MONTH

RADIO NORWAY ON SHORTWAVE: The SW service was officially opened by H.M. King Haakon VII on 3 January 1948. However daily shortwave programmes in Norwegian had been on the air during the war years 1940-1945, from the USA. These programmes were primarily intended for members of the Merchant Marine, but were also received in occupied Norway.

From 1943 to 1945 these transmissions were under the auspices of the US Office of War Information, with the section head on 'lease lend' from Radio Norway. After the war it was decided to continue the SW Service from Norway. Today, Radio Norway has SW transmitters of 100kw and 250kw on the air around the clock, bringing news, information, music and special features to every corner of the globe. Reception reports are welcome. Write to: Radio Norway, Oslo, Norway. JM

ANTIGUA FLASH. Deutsche Welle DX Editor G.G.Thiele says testing will not commence till late November and regular broadcasts in February. Chris Martin

SHORTWAVE BANDWATCH

coordinated by John Mainland



In Bandwatch this month continued reception is reported of many Latin American and African signals. Radio Inca del Peru on 4763 and a frequency change for Ecos del Combeima, in Colombia are widely reported. RTE Madrid is conducting test transmissions on the 49 and 31 metre bands. Many international broadcasting stations will have made frequency changes on 5 September.

FREQUENCIES IN KILOHERTZ

TIMES ARE GMT (Add 12hrs for NZT)

FREQ	TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	INITS
2418	1945	INDONESIA	Unidentified station	on early for Ramadan.	RC
2435	1900	INDONESIA	RRI Palembang	good during Ramadan.	RC
2442	1742	ISRAEL	Galei Tsahal	noted with long anncts. 1800 Time signals, anncts, ident & news. Logged 14/8.	PO
2495a+2000		MALAGASY REP.	Tananarive	hrd at s/off, apparently ex 3288. Also noted here at 0345. Recently moved to 3370 ex 5010.	CM
3165	1630	INDONESIA	RKPD Kota Madya, Surabaya	s/off 1700. Also ids as "Radio Gelora Surabaya".	DL
3195	1900	IRAQ	Radio Baghdad	excellent signing off at this time.	RC
3205	1930	INDIA	AIR Lucknow	carrying Olympic Hockey games.	RC
3235	1530	INDIA	AIR Gauhati	fair with EE nx. Slight telegraphy & het QRN.	DL
3240	0527	PERU	Radio America	very good with Abba hit songs.	PO
3250+	2140	SOUTH AFRICA	SABC	poor in EE with pop mx, anncts and ident.	BV
3268	1530	INDIA	AIR Kohima	fair in EE with nx, cmtry. Apparently off 1600.	DL
3290+	1127	PAPUA NEW GUINEA	R. Central	EE pops, poor. Kerema 3245 at 1135.	MD
3295	1900	INDIA	All India Radio, Delhi	with Olympic Hockey. Also on 3315 Kurseong, 3365 Delhi, and 3375 from Gauhati.	All RC
3300	0500	GUATEMALA	TGNC	fair with mx prgm. PR. 0527 Radio Cultural good with orchestral mx, brief relig mssg 0541 and s/off.	PO
3305	1805	PAPUA NEW GUINEA	R. Western Districts	with country mx. Station id & prgm anncts 1900. Milne Bay 3360 EE anncts 1859.	CS
3315	1000	MARTINIQUE	Fort de France	fair with National anthem & mx.	LR
3316	1900	SIERRE LEONE	Freetown	with EE sports 1930 Sundays, fair.	RC
3330	0511	PERU	Radio Ondas de Huallaga	vg, frequent ids & t/checks.	PO
3335	1117	PAPUA NEW GUINEA	R. East Sepik	with news in Pidgin.	PR
3245	0451	VENEZUELA	Radio Libertador	fair, freq ids, mentions "R. Barmavento"	
3355	0716	NEW CALEDONIA	Noumea	fair in FF with mx request prgm. IW /RC, SG 0742 poor in FF. CS. 0745 strong with English pops. RC (NB Freq)	
3365t	0810	BRAZIL	Radio Educadora de Parnaiba	possible id one night, but very poor signals most nights.	SG
3375	0458	ECUADOR	Radio Melodia	Quito reactivated, good in SS with freq idents 'Radio Melodia canal siete cuarenta'. DL. Latin mx, gd.	FE
3380	1105	ECUADOR	Radio Iris, Esmeraldas	vg with mx prgm, full ident.	DL
3390	1735	AFGHANISTAN	Kabul	fair in Pushto or Dari. Telegraphy QRM 11/8.	DL
3390	0440	ECUADOR	Radio Zaracay ECOT1	to abrupt s/o f 0502. LM. 0530 vg in SS with popular mx. DL. 1038 good some nights. SG. 1040 exc.	RC
3395	1042	VENEZUELA	Radio Universidad	occasional anncts, much mx, fair.	PO
3396	2000	RHODESIA	RBC EE	nx, poor-fair. RC. EE news, poor. MO+ 2100 good.	MD+
3522	1410	MALDIVIVE ISLANDS	Male	hrd till s/off 1500. Some telegraph QRM. DL poor in Maldavian with local mx. S/off 1500 with full ident.	FE
3910	0930	JAPAN	Far East Network	pop mx and EE programming.	LM
3915	1750	PAKISTAN	Islamabad	good in local lang. Id at 1800. Not Azad Kashmir.	DL
3945	0733	NEW HEBRIDES	YJB4	vg with Pidgin nx & mx. BA. 0755 EE rock mx. 0920 EE ident, French later, poor-fair.	RCk JB
3970	1830	CAMEROUN	Radio Buea	fair in EE with nx. Full id 1845. DL. 1854.	FE
3984	0812	NEW HEBRIDES	Tanafo	good here with Pidgin anncts, country mx.	PO
3985	1915	SWITZERLAND	Berne	in FF to Africa. Ident 1930, poor.	CS
3995	0442	WEST GERMANY	DW	vg in GG with concert prgm. News at 0500.	IW

<u>FREQ</u>	<u>TIME</u>	<u>COUNTRY</u>	<u>STATION</u>	<u>PROGRAMME & RECEPTION DETAILS</u>	<u>INITS</u>
4115	1205	UNIDENTIFIED,		excellent, AA type lang.JS(Indonesian here but not very high powered.BC)	
4725	1244	BURMA	Rangoon	good in local language.	PO
4755+	0810	COLOMBIA	Em.Nuevo Mundo	mx,anncts,ids, poor in SS.	BV
4755	0411	BOLIVIA	Radioemisora Bolivia	on top of Colombian one day, but still suffering from het.SG. 0500 signing off at this time.	RC
4735	1700	PAKISTAN	Karachi	good with EE news in Internal Service.	BH
4762/	0520	PERU	Radio Inca del Peru,	Lima good in SS with Peruvian mx & id with freq as 4762 announced, 4763 measured.First noted 13 Aug.DL.Id includes OBX4E 1470kHz & O?X4W 4762.S/off 0600.FE 0532 indig mx,frantic announcing.JS.0541 fair, mx prgm. PR 0544 frequent idents, new on SW.PO 0549 reactivated on SW,gd till s/off 0600 with calls & frequencies.SG. 0600 s/off. RC	
4765	0458	CONGO	Brazzaville	fair-good with music programme.	PE
4775	1653	AFGHANISTAN	Kabul	good with vernacular mx prgm.	PO
4780	1040	VENEZUELA	La Voz de Carabobo	fair signal, soon fading.	RC
4800+	1035	VENEZUELA	Radio Lara	EE pops, idents in SS, fair.	BV
4805	1025	INDONESIA	RRI Jakarta	fair with music prgm.	LM
4810	1212	GALAPAGOS IS.	HCVG8	fair signals,severe CW QRM.JS. 1215 s/on. AC 1221 good with orchestral music & idents often.	FO
4832	0605	COSTA RICA	Radio Reloj	good 'Noticias en espanol.JS.0732 gd.	PO
4845	1030	BOLIVIA	Radio Fides	s/on in SS, fair, QRM from Malaysia.	PR
4855	0407	BRAZIL	Radio Clube de Para,	good signals with frequent idents. Verification received in 19 days.	SG
4860	0540	PERU	Radio Chincaycocha	often hrd with indig mx, very good.	JS
4865	0400	BRAZIL	Radio Soc.Feira de Santana	fair at s/off.	RC
4875	1810	SOUTH AFRICA	RSA	poor in FF.CS.2110 poor in EE.QSL in 2 weeks.TMs	
4876m	0537	COLOMBIA	Ecos del Combeima	new freq ex 4785. Exc in SS. Many idents & t/checks 21/8.PO.0617 good in SS with mx prgm.FE. 0632 fair signals,many Super idents.SG. 0628 good in SS with mx prgm, frequent ids,t/checks since 74/8.DL 0800 24hrs. RC	
4880	1025	VENEZUELA	Radio Universo	vg with SS music & announcements.	LM
4885	2115	KENYA	Kisumu	fair in vernaculars.RC.(Is Nairobi per QSL.Ed)	
4900	1903	INDONESIA	RRI Gorontalo	on late/early for Ramadan.	PE
4900	0340	VENEZUELA	Radio Juventud	fair,improving. Full id & s/off 0357.DL 1014 vg in SS with Banking commercials and music.	DL
4904½	0510	CHAD	Ndjamana	in AA till 0515, then FF,good. Fadeout 0620. 1800 excellent signal. Also at 0600.	JS RC
4905	0304	ETHIOPIA	ETLF Addis Ababa	weak in Amharic after Relogio Federal s/off. Heard till s/off with ident 0325.DL 0325 s/off,gd.BC	
4910	1915	GUINEA	Conakry	poor in FF with music prgm.	CS
4915	0357	BRAZIL	Radio Anhanguera,	Golania fair in PP with s/off 0400.	DL
4940	0605	IVORY COAST	Abidjan	poor in FF with mx & ids,past 0640 t/out.	PE
4955	2030	INDONESIA	RRI Banda Aceh	good signals in Indonesian.	RC
4972½	0507	CAMEROUN	Yaounde	in FF. EE relig.prgm 0530,fair.PR.0510 EE nx.PE	
4975	0415	PERU	R.del Pacifico,	Lima with light orch gospel mx.S/off 0430.DL	
5010	1045	SINGAPORE	Radio Singapore	good with Book Review in EE.	LM
5025+	1140	PERU	Radio Quillabamba	with Latin mx,poor in SS.QRM from 1150.BV	
5030	0700	UNIDENTIFIED	weak station,	very poor modulation.Sounds Latin.	SG
5038	1756	CENTRAL AFRICAN REPUBLIC	Bangui	FF nx prgm at 1800.Hrd on ISB-LSB due heavy QRM.FE.0505 strong with id in FF,faded by 0520.PE	
5039	2143	SUDAN	Omdurman	good signal with Koran readings.	PR
5040	0610	COLOMBIA	Radio Cinco	weak when Libertad Peru is off, but hrd with improved signals later in August.	SG
5047	1115	INDONESIA	RRI Jogjakarta	pop mx & anncts in Indonesian.	LM
5945	0445	MONACO	Trans World Radio	in GG till 0515.	AC
5955	1128	COSTA RICA	TIQ Puerto Limon	fair in SS with many gongs 23/8 when VOA Oceania Service didn't show.Last hrd mid-60's.	DL
5980+	2100	SOUTH AFRICA	Radio RSA	fair in EE with sign-off 2150.	TMs
5980	0910	USA	KGEI	with EE Lesson,fair.CS.1037 EE relig.prgm, fair.	MD+

<u>FREQ</u>	<u>TIME</u>	<u>COUNTRY</u>	<u>STATION</u>	<u>PROGRAMME & RECEPTION DETAILS</u>	<u>INITS</u>
5980	0802	SIERRE LEONE	SLBS Waterloo	250kw hrd with commercial EE prgm & popular songs 21/8. Fair but noisy.	DL
5990	1105	CANADA	BBC World Service	via Sackville, fair. Mixing NHK.	DL
6005	0500	ASCENSION ISLAND	BBC Atlantic Relay	with 'Nx of the African WldRCK'	DL
6015	1100	PARAGUAY	Emisoras Paraguay	often hrd, fairly good with SS mx.	DL
6015	1330	INDIA	AIR s/on at vg level.	Unid lang-Punjabi? S/off 1428.	DL
6015	1559	ETHIOPIA	ETLF Addis Ababa	int/sig, EE id, then Amharic. Good.	FE
6035	1120	BOLIVIA	R.Panamericana, La Paz	vg in SS with mx, ids past 1230.	DL
6040	0443	EAST GERMANY	RBI strong in SS	to Latin America till 0500.	JB BA
6045	1141	PERU	Radio Santa Rosa, Lima	vg with Mass. Ident, advts 1157.	DL
6055	0500	KUWAIT	Radio Kuwait	strong with news in AA.	BH
6060	0824	ARGENTINA	Radio Nacional	vg with mx, many ids. BA.0850 SS good.	LM
6075	0927	COLOMBIA	Radio Sutatenza, Bogota	good in SS, popular mx, ids.	DL
6082	0703	PERU	OAX4Z Radio Nacional	good in SS for 90min period. JS.0726 fair with ids, mx. MO+ 0733 poor with mx. IW.0837 good & clear.	PE
6100	1115	CHILE	Radio Calama	Fair to good signal in SS.	HJ
6100	2030	SPAIN	RTVE Madrid	with test tx in EE to Europe, fair 7/8. In parallel 9580. JM. Fair in EE. BV+ EE to Europe. AC.2100 //6075.	JS
6120	0700	COLOMBIA	Radio Super, Cali	exc signal, numerous idents.	FC
6135	0605	TAHITI	FR3 Papeete	good w/ Tahitian, FF, EE mx. Anncts in FF.	PO
6140	1005	AUSTRALIA	ABC Perth	with Olympic Report, fair. CS. 1135 poor.	MD+
6145	0606	ALGERIA	RTVA	very good in AA with Koran readings.	PO
6155	0430	USA	WYFR Family Radio	in EE till s/off 0500, fair.	JS
6170	0900	PHILIPPINES	Voice of Philippines	opens in EE. BH.0930 mx, fair.	LM
6185	0600	LIBYA	Tripoli	with AA id, mx, drama. Fair to 0630. JM0632 AA mx.	PR
6221	1846	AUSTRIA	Austrian Army Radio	with uninterrupted popular mx. Full clear id at s/off 1900 in GG. DL.1820 fair with mx, GG anncts.	PE
6383	1220	MONGOLIA	Ulan Bator	s/on in EE. PR. Weak in EE, variable sked. S/s on in EE good, announcing //5960. PO. In EE //17960, nx, mx. Lot of ute QRM. BV+ 1221 Strong but heavy teletype, weekdays.	PE
7105+	0335	ASCENSION ISLAND	BBC relay	poor in EE with "Postmark Africa".	TMS
7115	1540	THAILAND	Radio Thailand	good in Thai. Occasional EE pops.	PO
7135	0655	FRANCE	RFI Paris	good with FF nx. 14mins of EE news at 0710.	BA
7155	2056	JORDAN	Amman	with AA Home Service till sign-off 2208.	JS
7165+	1122	PHILIPPINES	VOA relay	fair in EE with news, interview.	HdJ
7215	1111	BRUNEI	RTV Brunei	good in vernacs. QSLed in 17 days. PO.1315	EE, PE
7220	1045	NORTH KOREA	Pyongyang	with EE cmtry on Art. S/off 1046, fair.	CS
7443	1830	SWITZERLAND	UN Radio, Geneva	with news in RR, Fridays only. Reception on SSB. Good over USSR station.	PE
9420	2035	NORTH KOREA	Pyongyang	EE cmt, mx. Poor. CS.2120 EE good. s/off 2150.	PE
9445	2129	PAKISTAN	Rawalpindi	with World Service in EE. Only fair.	JS /TMS+
9510	1935	ROUMANIA	Bucharest	very good, s/on in EE for Europe.	PO
9525	0640	CUBA	Navana	fair in EE. Severe QRM from co-channel Paris.	BA Gd MO+
9525+	0700	FRANCE	Radio France International	fair in FF with nx, mx.	HdJ
9530	0318	USA	VOA Greenville	with 'African Safari' in EE, poor.	CS
9530	0805	SPAIN	RTVE Madrid	testing Mon-Sat to Aust/Philippines, fair.	JM
9562	0245	PERU	Radio Nacional	with classical mx prgm & anncts. Fair.	DL
9570	0335	ROUMANIA	Bucharest	in SS to Latin America, strong.	JB
9580	0915	PHILIPPINES	Radio Filipinas	good with EE prgm.	LM
9580	2023	SPAIN	Madrid	s/on with tuning signal, mixed RA Shepparton. 2030 EE to Europe. AC. Fair in EE. JB. 2027 fair-good in EE.	MO+
9610+	1130	AUSTRALIA	ABC Perth	with EE talks, poor.	MD
9615	2230	VATICAN	Vatican Radio	good in EE to Philippines. BH.2215 EE.	TMS+
9635	1050	SINGAPORE	RTS Singapore	fair with Chinese mx prgm.	LR
9650+	0142	CANADA	RCI with EE nx, "Weekend Magazine",	Olympics. Fair-good.	HdJ
9653m	1049	THAILAND	Bangkok	fair in Thai. EE 1057 with nx 1100. QRM from Canada 9655 in FF from 1100. PE.1050 fair in EE. LM. Severe het.	PR
9690+	0608	ARGENTINA	RAE Buenos Aires	good in EE with Tango music.	MO
9695	2030	FRANCE	Radio France	in FF to Africa, new freq 4/9. S/off 2130.	JM
9700	2015	JAPAN	NHK Tokyo	good with EE prgm for Africa.	BH
9720+	0335	USSR	Radio Moscow	with EE news, interviews, listeners letters.	HdJ
9730	1912	UGANDA	Kampala	good with African mx & FF annct. QRM RBI 1913.	PO
9735	2218	WEST GE.	MANY DW Cologne	vg in GG //9700 which was fair.	BA

FREQ	TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	INITS
9740+	2030	PORTUGAL	Lisbon	with news in EE, fair.	MD
9760	0733	ECUADOR	HCJB Quito	good. Sometimes severe QRM from co-channel Radio Australia. BA. 0730 fair with EE nx, religious talks.	HdJ+
10040+	0900	VIETNAM	Voice of Vietnam	fair in EE with propoganda. S/off 0930.	
11445	0800	CHINA	Radio Peking	in EE to Aust/NZ with news, ident. Rck. /Tms	
11705	2302	SWEDEN	Stockholm	good with EE nx. LM. EE to 2329 then Swedish. 2130 Fair in SS to Latin America.	CS JS
11705	0955	JAPAN	NHK Tokyo	with programming in JJ, PP and SS. Good.	CS
11710	2300	ARGENTINA	LRA35 Buenos Aires	in FF. Awful modulation. EE ident 2302, then covered by Moscow.	LM
11715	0442	SWITZERLAND	SBC Berne	in EE with the 'Swiss Cantons', fair.	CS
11730	1400	USSR	Radio Tashkent, Uzbek SSR	in EE with Nx, cmt, good.	BH
11735	0130	YUGOSLAVIA	Radio Belgrade	exc in SS. Many ident.	PO
11760	0905	CYPRUS	BBC Mediterranean Relay	with World Service in EE.	CS
11760	0258	CUBA	Radio Havana	int. signal & annct in EE & SS.	LM
11780	2100	BRAZIL	Radio Nacional	good in EE. IW 2125 Music prgm, fair.	MD+
11790	1133	INDONESIA	VOI Jakarta	with EE Service. Mx, cmt, good till s/on of Bucharest blocks signal. PR. 2330 EE news, poor.	MD+
11800+	0135	SRI LANKA	SLBS Colombo	with Religious prgm in EE, poor.	MD
11805	2115	BELGIUM	RTB Brussels	vg in FF. Plenty of music.	PO
11825+	0220	TAIWAN	Voice of Free China	poor in EE with music prgm.	TMS
11825	0305	TAHITI	Papeete	very good with Tahitian mx.	LM
11835	0530	SUDAN	Omdurman	vg nightly in AA. Ident as 'Huna Omdurman...'	PO
11835+	0555	FRANCE	RPI Paris	in FF with news of Paris & Tour de France.	HdJ
11850	0700	NORWAY	Oslo	with ident in EE and Norwegian. EE 0800 Sunday.	PO
11860	1002	SOUTH KOREA	Seoul	in EE. Fair, some QRM. SS at 1030.	JS
11880	0001	TURKEY	Ankara	in clear for final 30mins in EE. Weak.	BH
11880	0302	SPAIN	Voice of Spain	in EE with Current Events, fair.	CS
11885	0050	ECUADOR	HCJB	with EE service, mixed Pakistan 0100.	AC
11900	1259	SOUTH AFRICA	RSA s/on	in EE to Africa. Fair signals under USSR.	
11910+	1945	ETHIOPIA	ETLF Addis Ababa	poor with news in EE.	MO /DL
11925+	0045	NETH. ANTILLES	TWR Bonaire	with religious prgm in EE, fair.	BV
11935+	0806	AUSTRALIA	RA Carnarvon	good in Indonesian with popular songs. HdJ	
11950	0130	KAZAKH SSR	Alma Ata	with RR id 'Govorit Alma Ata'. Kazakh prgm 0200, fair 21/8.	JM
15105	2135	GRENADA	Radio Grenada	with cricket, world & local nx. Fair.	PO
15110	1100	PAKISTAN	Islamabad	good with EE news.	LM
15185	2033	USA	WINB Red Lion	good in EE with religious programming.	LM
15185	0415	SEYCHELLES	FEBa s/on	in AA. Poor 4/9. New frequency.	JM
15190	2340	AUSTRALIA	RA Carnarvon	fair in EE. JB. 0000 Test with mx, fair.	BV+
15205	1000	INDIA	All India Radio	good with News, beamed to NZ.	BH
15235	1005	JAPAN	NHK EE	to Aust/NZ back here ex 9670 5/9. Fair //11875.	JM
15235+	1242	PHILIPPINES	FEBc Manila	fair with talk in EE.	MD
15270	2200	TAIWAN	Taipei	in JJ after VOA s/off. Poor, new frequency.	JM
15280+	0200	USA	KGEI	fair in SS. Earlier at 0100 Veritas PHILIPPINES hrd.	MO
15315+	0430	IRAN	Radio Iran	strong with nx, possibly advts. Still hrd 1300. CM	
15395+	0145	VENEZUELA	Radio Nacional	also using slogan 'Voz de la Centauros'. Fair in SS with Nx, cmt, ids, Latin music.	BV
15460	1200	UZBEK SSR	Radio Tashkent	good //15115 good, 11730 fair, 11925pr.	JS
15465	1200	ISRAEL	IBA Jerusalem	excellent in EE to Aust/NZ.	JS
17715	0950	WEST GERMANY	DW Koln	EE to Aust/NZ poor ex 17855 5/9.	JM
17810	0810	MALAGASY REP.	RN Talata	relay with news in Dutch poor-fair.	PO
21685+	0445	BANGLADESH	Dacca	fair level with EE news.	MO

CONTRIBUTORS:

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JM John Mainland	PO Paul Ormandy	BA Brent Allred	BH Bill Huddleston
AC Arthur Cushen	Rck Ross Clark	LM Leigh Morris	BC Bryan Clark
JS Jack Searle	IW Ian Wells.	And a big overseas contingent.....	
HdJ Hans de Jong,	TMS Tim McSweeney,	BV Bill Vogel &	MD M. Dalrymple from
Australia, MO Masami Onizawa Japan and CM Colin Miller, South Africa. Ta!			

ARTHUR CUSHEN'S SHORTWAVE REVIEW

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Sunday 5 September saw many frequency changes put into operation by international broadcasters. Radio Sweden is to conduct tests from Horby using single sideband until 6 November. The schedule is 0500-0800 GMT on 17735, 0900-1400 on 21670, 1400-1800 on 17775 and 1800-2130 on 17790.

ALL TIMES ARE GMT ALL FREQUENCIES ARE IN KILOHERTZ

ANTIGUA BBC's new Carribean relay station is scheduled to carry the World Service with 250kw from 5 September on 6175kHz 0430-0730, 6195kHz 1100-1330 and 2000-2115.

BRAZIL Radio Nacional de Brasilia has returned to 11780 from 11795, and is heard with English 2100-2200 GMT.

BELIZE Radio Belize verifies with a card and gives the schedule as 1200-0510 GMT. They operate on 834kHz with 20kw and 3300kHz with 1kw.

CANADA Radio Canada to the South Pacific 1000-1100 remains on 5970 and 9570. The service to Africa 0600-0759 is on 6140 and 9655 from Sackville, and on 6125, 7155, 11720 from Daventry in England. French is broadcast 0600-0620, English 0620-0640 and so on, alternatively.

COLOMBIA HJLW Ecos del Combeima, Ibaque is on 4875kHz, a move from 4785. It operates all night, is best around 0700, and carries Radio Super programmes.

ECUADOR Radio Centinela del Sur, Loja verifies with a letter and pennant from Herman Coronel. The call is HGER5 and the frequency is 4890kHz. HCJB has been heard in English on 11885kHz 0040-0230 with news at 0055. At 0100 the programme is mixed with Radio Pakistan.

GRENADA Radio Grenada verifies with a card and gives the schedule as 3300kHz 2205-0230, 9550 1545-1800, 15105 1945-2200. Power is 5kw and best reception is at 2000 on 15105kHz.

MONACO TWR is heard in German 0445-0515 daily on a new frequency 5945kHz.

MOZAMBIQUE Maputo, formerly Lourenco Marques is heard on 9620 with news in Portuguese at 0600. According to a verification, the power is 100kw. The 'A' programme is scheduled on 737kHz 50kw 0400-2200, 3210 25kw 0400-0600, 1700-2200, 4925 60kw 0400-0630, 1600-2200, 6115 25kw 0400-2200, 9620 100kw 0500-1700, 11820 120kw 0500-1700, 15295 100kw 0700-1500 GMT. (Extra info from JM)

NEW ZEALAND Beginning 5 September 'Arthur Cushen's DX World' is broadcast by Radio New Zealand on the first Sunday of the month at 1015GMT on the YA stations (medium wave) and Shortwave Service, while on the third Sunday at 1015, 'Mailbox' is conducted by Tony King. NZ is to adopt daylight time on a permanent basis and clocks will be advanced one hour from 31 October till 6 March 1977, making NZ Daylight Time 13 hours ahead of GMT. The Shortwave Service will be rescheduled one hour earlier during this period.

PAKISTAN Radio Pakistan's sked from 5/9 includes 0230-0245 on 17830 and 21590 with slow speed English news, 1915-2145 on 7085 and 9445 with World Service to UK, 2345-0045 on 9460 and 11750 World Service to Sth East Asia.

SPAIN Madrid in EE to Europe is heard on 6100 and 9580kHz 2030-2130 and repeated 2130-2230. 6100 is fair but has interference from Cologne & Moscow. 9580 is covered by Radio Australia to 2200, and then mixed with the BEC.

SWEDEN Radio Sweden continues to broadcast to Aust/NZ on a test basis with a relay of the Swedish Home Service 0630-0800, but they now use 9605kHz in place of 11705.

USA KGEE's sked from 5 September is: 50kw to Latin America in Spanish: 2130-0130 on 15280, 0130-1400 on 9615kHz. 250kw to the Far East: 2330-0200 on 15355, 0700-1400 on 5980. English at 0700-0800 and 1000-1100 GMT.

RNZ SHORTWAVE: To Pacific 1800-2015 on 9770, 11780. 2030-0050 on 11960, 2030-0450 on 15130, 0100-0630 on 11705, 0500-0700 on 9540, 0645-1030 on 6105kHz To Australia 0730-1030 on 6105kHz. REVISED SKED, CORRECTED TO 7 SEPTEMBER.

..sign off..

USA Serious plans are underway for a Russian language SW gospel station to broadcast to the USSR from Tennessee. Two 500kw transmitters would feed in-ovative antennas and the organisers are confident that the necessary US\$ 3 million can be raised. The station, possibly on-air by the end of 1977, would be strictly non-commercial.

Glen Hauser NASWA 'LN'

RWANDA Deutsche Welle is using the satellite 'Symphony' to transmit programmes to it's relay station at Kigali, for the 12 month period from 27/4/76. Reception from Kigali has improved remarkably. The current EE sked for the African relay station is 0430-0515 on 9565 & 7225kHz (the best bet at present), 0930-1030 on 21540 & 17825, 1045-1115 on 15410, 11785, 1200-1245 on 17765 & 15410, 1715-1745 on 9735 & 7285kHz.(also worth checking).

Brent Allred, BEC MS (c)

AMERICAN FORCES NETWORK TAIWAN have closed all operations on SW and MW. Also, the AFRTS station in Teheran, Iran on 1555kHz MW closes down in October.

SCDXers 24/8

market square

FOR SALE: Barlow Wadley XCR30 crystal controlled receiver, 500kHz - 30MHz continuous coverage on AM,CW or SSB. Excellent sensitivity and stability, 3kHz selectivity. As new, original packing, manual etc. Offers to P.Hargreaves, P.O.Box 43 Eltham.

FOR SALE: Grundig Satellit 1000, 20 band portable. SSB unit, rechargeable battery, 12v car adaptor, ear phone, handbook. Price \$325. Write Bryan Marsh, 20 Rimu Road, Mangere Bridge, Auckland. Phone 667712.

FOR SALE: Eddystone 940 general coverage receiver, 13 valves, 2 RF stages, plinth speaker, \$275. Write Bryan Marsh - see address above.

FOR SALE: Kenwood QR666 communications receiver, hardly used. A reasonable offer accepted. Contact Ron James, 7A Burnell Avenue, Thorndon, Wellington 1.

RADIO NEPAL is seeking tenders for the supply & installation of a wide band aerial for a 100kw transmitter.

BEC MS (c)

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 directed to Invercargill.

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ANNUAL SUBSCRIPTION: NZ\$5.00

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

VIETNAM On 2 July, the former North & South Vietnam became known officially as the Socialist Republic of Vietnam, (SRV).

BEC MS (c)

RADIO TELEVISION ESPAGNOLA's current English schedule to Europe is 2030 to 2130 on 6100kHz, 2130 to 2230 on 6075, 2030-2230 on 9505kHz.

Bill Vogel

(Now on 9580 from 2030. See Bandwatch.Ed)

AUSTRIA ORF's sked to Aust/NZ from 5 Sept. Is 0400-0600 GMT on 17840kHz, 0600-0900 on 17850, 0900-1400 on 17765 and 1500-1600 on 15305kHz. Mainly in German.

Brent Allred

BANGLADESH RADIO EXPANSION. Radio Bangladesh will have two 250kw SW and three 100kw MW transmitters installed within the next two years. With the recently inaugurated 1000kw transmitter (690kHz) these will cover the entire country with national & external programmes and will also be used for External Service programmes.

BEC MS (c)

SOUTH AFRICA Radio RSA's first 500kw transmitter will open on 1/1/77. Later 2 of the 3 500kw outlets will be paralleled for 1000kw (R.Ginbey). The SABC Radio Five network will go on SW later this year. 2 new Telefunken 100kw SW transmitters have been purchased. (Wood RSA)NASWA Listeners Notebook. From 5/9 SABC uses 4835, 3965, 9680, 11790 for EE; 3955, 4875, 9560, 11885 for Afrikaans; 3980, 4810, 9710, 11935kHz for Springbok Commercial Service. Colin Miller