



NEW ZEALAND DX TIMES

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CONVENTION 8-11 APRIL

Those who have not yet sent their registration for Convention 77 in Christchurch are advised to delay no longer. Available accommodation is filling fast, with registrations to hand from many parts of NZ, 5 Australian states and Hawaii. To guarantee your place, registrations must be in this month.

The programme outline is: Friday 8 April: Official Welcome at 2.30pm, followed by tour of Radio Avon, before heading to Convention site for a night of DX. Saturday 9: Grand Auction, tour of Ferrymead Historic Park (including vintage radio exhibit), meal/movie evening at seaside Sumner, followed by midnight Special DX. Sunday 10: Panel Discussion with guest speakers, picnic lunch at Akaroa, more DX. Monday 11: Official Farewell timed for 10.30am.

DX calls to Convention 77 are being finalised, and will include stations from Brazil, Falkland Islands South Africa, Australia and Lord Howe Island! More details in the March "DX Times".

Remember, the total cost is just \$12 with an extra \$3 for sleeping bag hire if required. Motel/hotel accommodation will be booked if you advise price range. All visitors will receive personal details in early March. Make sure that you don't miss out on the DX event of the year for NZ! Join overseas visitors from Hawaii, Tasmania, Victoria, South Australia, Queensland and New South Wales and register for Convention 77 without delay!

Any enquiries should be airmailed to Convention 77, P.O.Box 18560, Christchurch, New Zealand. **DR**

Broadcasting in New Zealand

With the advent of yet another Broadcasting Act on 1 February, and as we move towards implementation of the 1978 MW Frequency Plan (9KHz channel spacing), there's plenty of exciting and not-so-exciting news of new and proposed stations, frequency changes, synchronised channels for NZ, broadcasts from 4 University stations later this month, etc. See page 3 and page 9 for latest information!

TOPICALITIES

+WORLD RADIO HANDBOOK 77 is being released on 15 February, so airmail copies are expected in late February. **AC**

+YAESU FRG-7's ('FROGs') have arrived in NZ and we already have favourable reports from 2 League members. Hope to have a review in March.

+DAYLIGHT SAVING ends on March 6th.

+CONTINENTS LISTINGS are a feature next month, with North America as featured continent. We want your QSL total broken down into Aust/NZ, Oceania, Sth America Central America (new!), Nth America, Europe and Asia. Also total QSLs and countries and your best QSL from Nth America. See September Times for layout required.

OUR CONDOLENCES to Stan Larking, Whakatane, on the passing of his wife on 8 February.

+ELECTRONICS AUSTRALIA's 1977 YEARBOOK is out. It includes a complete list of Australian AM, FM & TV stations, and Papua New Guinea & NZ stations.

CLOSING DATE FOR NEXT ISSUE: MONDAY 7 MARCH 5pm. SEND DETAILS OF YOUR DX, CONTINENTS LISTINGS, QSL's & B-O-M's TO P.O.BOX 2956, WELLINGTON, NZ. 73!

AMENDED CLOSING DATES due Convention & DXcursion: Monday 28 MARCH for April issue; Tuesday 26 APRIL for May issue. Please note!

FROM THE BRANCHES

SOUTHLAND The monthly meeting was held at Tiwai on 25 January, with 15 members present. This was one of the biggest meetings held and business was brief so that those present could enjoy some DX listening. Branch competitions resulted: Broadcast Ray Crawford Poland 1367 60kw, Consolation Neville Henry KOMA 1520, Merit Sutton Burtenshaw TWR Monte Carlo 1466. SW Lindsay Robinson Paris 21560 (correct freq? Ed) and Austrian Army 6221kHz 1kw. The next meeting will be held at Paul Aronsen's on 22 February, and a DX weekend will be held at Tiwai 11-13 March.

NORTH OTAGO The January meeting was held at the Listening Post on the 27th. There were 6 members present and we were very pleased to have League member Craig Strathern and his father from Timaru pay us a visit. Craig was provided with the addresses of other members in the Timaru area, and it is hoped that he can meet up with some of these. A get-together is to be held on 9 February at the home of Peter and Jill Grenfell, to meet visiting German DXer Mr Jacob. The next branch meeting will be held on 24 February. Branch competitions: SW to Paul Ormandy with Tanafo 3990 60w and Sweden 21670 30kw. CCB Over 1050 and Under 1050 to Paul Ormandy Soriana Mercedes 1600kHz 250w and KOOL 960kHz 5kw. Best Australia/NZ to Paul Rosie and Paul Ramsey with 3XG Radio Rhema.

CANTERBURY The January meeting was held at David Ricquish's on the 17th, with 9 members present. Business was quickly dealt with, and after the meeting the Convention Committee met and discussed arrangements with other branch members. Competition Results: CCB North America KXYZ Alan Robson, Open WVUV Alan Robson, Aust/NZ 2YX Andrew White. SW awards to Austin Hadler with FEBC Manila 21515 and Bucharest 6155. The February branch meeting is scheduled for 7.30pm on Wednesday 23 February, at Bob Boundy's, 53 Greendale Avenue, Avonhead. (Phone 583-292). Visiting German DXer Gunter Jacob, his wife and a friend, are expected to be guests. Business will include finalising plans for Convention 77 over Easter. A full turn-out is requested please.

A new DX column makes its appearance in February in all local suburban newspapers in Christchurch. Because of their publication dates, it is effectively a weekly column and should provide widespread publicity for the hobby and the League. Canterbury members with news items should contact David Ricquish (888-312) or Bob Boundy. Recent publicity in other forms has included an item on Convention 77 in the "Star" and many items over Radio Rhema, while upcoming is a feature article in the "Star" and special advertising features in suburban newspapers to publicise the hobby.

WELLINGTON 10 members attended the 28 January meeting at John Mainland's, including new members Trevor Phillips and John Hershey. The latter will be returning to Canada later in the year, after sabbatical leave in NZ. As a result of the resignation of Cecil Symmes as Secretary/Newsletter Editor, John Mainland was elected Secretary and Bruce Williams Editor of "Capital DX". It was noted that the Branch would be relinquishing responsibility for publication of the NZ DX Times after the October 1977 issue. At that point, the Times will have been produced by the branch for 5 years. Competition Results: SW Senior Bryan Clark Radio RSA 11800 and VOA Monrovia 3990. SW Junior to Bruce Williams SEC 9560 and KGEI 5980. CCB Aust/NZ Phil Brooks 3XG 1230, CCB Open Bryan Clark CRL Antigua 1165. The next branch meeting will be held at Quartz Hill at 8pm on 25 February. During the brief visit of German League member Gunter Jacob in the Capital on 12 February, a dinner party will be hosted by Bruce Williams.

WAIKATO-BAY OF PLENTY The last meeting was held at Peter Maindonalds, attended by David Feldon, Colin Campbell, Mike Smith, Peter and Jim Maindonald. Apologies were received from Stan Larking, Bob Harman and Jim Selby. Branch comments on the planned change of the Magazine Committee will be sent to the National Secretary and Magcom. The branch was very concerned to read in the Times of the listener demanding a verification. Members were annoyed at the way letters like these are upsetting the goodwill of those who take time and care to reply with QSLs. We hope that such letters are graciously overlooked as not being representative of the DXer and SWL fraternity. Continued on page. 13

After a couple of rather noisy months, the atmospherics are down and the DX is starting to come in again with a vengeance. Evening reception from Europe is no longer a rare occurrence, and it seems like the Latins now have a year-round reception pattern, rather than March-September of past years. North America is coming through in strength and morning Asians and Europeans are available! Highlights include Southland reception of Caribbean Radio Lighthouse and Radio Jumbo, both opening at 1000 GMT; more Indonesians being heard, KTNQ 1020 (new call for KGBS) being widely heard; first NZ reception of KKAA South Dakota on 1560; Radio Centro, Madrid and Albania 1394 being 'looped' here in Wellington.

A newspaper report reproduced in IRCA's "DX Monitor" states that a bill before the Mexican Congress will sharply restrict the playing of foreign music on Mexican Radio stations. Under the proposed measure, 90% of all music broadcast on Mexican stations would have to be Mexican. This raises the question of whether XEROK, XETRA, XERF and other XE's with English programming will be adversely affected?

Duncan Watson in the Bay of Plenty writes: "During the holidays I have been busy on a 40" Loop. When finished, it resonated from 560kHz to way over 1500, and required 15pf in parallel with the 365pf condenser to resonate on the MW band proper. When used with a simple booster it has far greater pick-up than my 100' longwire, and is far less susceptible to static pick-up. (I couldn't pick up Fiji 560 on my longwire due to the static) The loop aerial was certainly worth making". If you aren't using a loop, why not try one? All your Ed's DX is done on an unamplified model, along the lines of the design which all new members receive a brochure on in their New Members Kit.

NEC's News and Information Network (a la KFBK 1530kHz) stays on air till 30 June 1977, when it will be disbanded. Info per IRCA. This updates last month.

Harry Weatherley visited Rossmoyne Park near Melbourne, the site of the 11th Australian National Scout Jamboree, to pick up a 3SL for the temporary station 3JR which was operated by the scouts on 1550kHz. A 10 watt transmitter was used and the entire mobile studio facilities were loaned by 3DB for the event. The Station Manager indicated that it was unlikely that future jamborees will be permitted to operate a MW station, so Harry greatly values his verification.

There's plenty of interesting NZ broadcasting news elsewhere in this issue, but a couple of extra items just in from David Ricquish. Along with the Gospel Radio Fellowship and Radio Manukau (Auckland), an application for a commercial AM station in Christchurch has been lodged by Canterbury Broadcasting Company. A 'good music' sound and 'responsible news' is the planned format. An FM licence is also sought. The BCNZ is investigating the possibility of a low power AM repeater for the Whataroa area of South Westland, to improve reception. Needless to say, finance is the main problem.

SPECIAL

A spate of short-term broadcasting warrants have been approved by the Minister of Broadcasting under the terms of the 1973 Broadcasting Act. In some cases, we have little information, but here goes...for those who missed 3XF RADIO FERRYMEAD 1030 last February, this station in the vintage radio exhibit at Ferrymead Historic Park, Christchurch will be on-air 12-13 March, again on 1030kHz. The address for reports is c/- Radio Avon, P.O.Box 1290, Christchurch.

4 University stations will be on air this month, 2 for the first time. 1XB 950kHz is licenced to broadcast 21 February-12 March. Address c/- Auckland University Students Association, Private Bag, Auckland. 1XC WAIKATO UNIVERSITY 1450kHz is licenced 28 February-13 March. No other details to hand.

RADIO U 1230kHz Canterbury University Student Union Bldg, Private Bag, ChCh is licenced 24 February (DR says 21/2) -5 March. Finally we have 2XA RADIO ACTIVE c/- Victoria University Students Association, Private Bag, Wellington on 1260kHz. 2XA will operate 21 February-9 March 7am-9am, 12 noon-2pm and 7pm-10pm weekdays. Weekend sked is 7pm-10pm. All stations have a maximum permitted output of 100w. In all cases, return postage with reports is a must. PS: 1XB RADIO BOSOM hours 4pm-11pm weekdays, 6pm-12pm Sat.

JACK SEARLE Haumoana has reported 2ZK opening and Rhema. QSL from Rhema. Will see you at Convention Jack!

SUTTON BURTENSHAW Invercargill visited Tiwai 1371 and logged HJCX 700, Radio Jumbo 545, CRL Antigua 1165 and YNCZ 1515 tentatively. Veries from Oman 1035, TWR 1466, Israel 1025, Hungary 1187. Great fishing at Tiwai.

DEREK SHORTT auckland is a new contributor to our pages, with logs of 1ZB, 1YA, ZM, XI, Rhema 1230, 2ZP, XW, 3XA, Fiji 710. QSLs in from 2XW, ZP, 1ZM. Thanks for letters Derek. The antenna you suggest for your friend would probably be far too much for a small transistor, and would cause it to overload severely. An outside whip aerial might be better. FRG1 is lot removed from FRG7, but you could wait a little while, till others who are purchasing one can report to us.

GORDON HUTCHISON Kaiapoi has verified 2KM and Fiji 560. Thanks Gordon.

BRUCE CAVANAGH Invercargill has 'em out to KTWO, KKIS, JOUB & Rhema 1230. Sole QSL from Rhema. More to come.

TED OSBORNE Wanganui awaits an FRG7. Meanwhile QSLs in from 6WN, 7NT, Suva 710, Sabah 750, Malta 1570, Sharjah 1575, 5QL & PJB. Sorry re Eddystone Ted. I swear by mine. Good luck.

ANDREW WHITE Christchurch has logged KTRH, WKLE. Veries: KTRH, 4YA, 3YW.

STEPHEN LILLIS is another welcome newcomer from Auckland, with a good list of QSLs: 1XW, XI, XA, XX, ZD, ZH, ZN, ZO, ZC, ZM, ZB, ZU, Radio Bosom 950, 2ZP, 2ZW, ZB, ZN, ZA, ZD, ZC, ZE, XW on 1080 and 890, 3XA, ZB, ZM, ZA, 4ZA, ZB, XO, YW, YQ, Fiji 560, 710, A3Z Tonga, KNX, 2UW, KO, 2UE, JJ, GB, KF, FC, NR, SM, NC, NU, CR, BA, 3DB, SH, 4BK, BC, QG, QR, 7LA, HT. Report out to XEROK. Hope you'll be a regular contributor Stephen.

IAN CATTERMOLLE Blenheim has reported KTRH and KTNQ. Veries from 3XG Rhema, 4BU, JOGR, XERF, KWKH, KSL, KYEL, KOB and WCAI. A good selection Ian.

DUNCAN WATSON Edgecumbe advises QSLs in from KOB, KRLD, KTWO, WVUV, KHVH. Reported are WBZ, KEX, KTRH, KING, WBAP, KVOC, 2ZK. Agree re loop!

HANK WILKINSON Jnr California has 5 veries this season - Jumbo 545, BED34 660, Caymans 1555, HLCG 640, Caribbean Radio Lighthouse 1165. Reports - DYLA, Cayman 1205, YVOZ 1200, North Korea 877. Follow-ups to HLSA, HLMK.

4 BRUCE OFFICER Christchurch has logged WWL, Rhema 1230, 4XB 1270, WNOE 1060 (a good one Bruce). Replies from KGA, 4QN, QD, 2GZ.

BRYAN CLARK Wellington has reports to 2ZK, Albania 1394, ECS11 Madrid 1385. No QSLs, but a Drake SPR4 in the den.

ERNIE MOORE queensland reaps rewards of a recent DXpedition to Coolum. QSLs in from KSTP, KTRH, JOAR 1050, KCEY, KIOE 1080, CHUB 1570. Writing re yr visit Ernie.

ARTHUR CUSHEN Invercargill has report -ed KTNQ 7020, RRI Jember 963, RRI Sumenep 1097 at home. At Tiwai - WHBT 1600, Jumbo 545, Lighthouse Antigua 1165. Good to see they made In'gill at last Arthur! WHBT a good one. New NRC Log says daytime only.

ROBIN CHAMBERS Opunake notes condx picking up again with reports to 3XG, XEFA, KCRL, Pusan 1449, KTNQ, 2ZK and DWRP. Veries in from Oman 1035, 3XG. Certainly looks like a good yr ahead!

PAUL EDWARDS Wellington has a good selection of QSLs in: CKNW, KMVI, KUAI, KIPA, KAIM, KOHO, KCON, KWKH, Germany 1602, Fiji 1320, Iran 1188 & pennant, KMPC, Rhema 1230. 1XI logged.

CHRIS MARTIN Sydney rests on his laurels with a single verie in from KMJ.

RAY CRAWFORD Invercargill has verified KOXR 910, Israel 1025, Oman 1035, HJQD 1550, YVMM 1150, Bangladesh 1340, TWR Monte Carlo 1466, Austria 1475, Poland 1367. Reports out to Jumbo 545, WSM, Caribbean Radio Lighthouse 1165, 4NA, 4AM, Progresso 1515. Good bunch Ray. Would like to have seen Nicaragua in Trail. When heard?

LEIGH MORRIS Palmerston North has reports away to Raki Raki 1320, KFRE, WVL, KPAC and KTOM. QSLs from KABC, KVOC and 3XG Rhema. Have a similar QRN problem at that end of the band Leigh. Can 'loop' some of it though.

HARRY WEATHERLEY Melbourne has two reports out - 3JR Jamboree radio 1550 and 1ZE. Veries from WCAI, KTOM, KCEY and 3JR. Thanks Harry. Am writing.

BEST OF THE MONTH

DECISION PENDING

BROADCAST TRAIL

EVENING

5

MORNING

548 Vladivostok fair/good 1305. JA
 610 JOLK in JJ, fair 1415. JA
 790 Singapore vg in English 1530. JA
 810 FEN Tokyo 1300 id over CC. JA
 870 JOVB news poor thru 2GB 1218. PR
 880 KRNV with Markets 1205. MB
 940 KAHU in Filipino 1400. MB
 KFRE ABC Nx vg 1300. JA 1355. MB
 963 RRI Jember s/off 1600 with
 goodnight melody. AC
 990 KKIS with Nitecap pgm 1300. MB
 999 RRI Jakarta fair with Love
 Ambon theme 1259. Strong het. DL
 1000 KOMO nx 1304. DL. 1400 news. MB
 1040 KHVH occasionally fair 1240. JA
 1052 Iasi, Rumania poor 1845. RCh
 1060 CFCN Wx 1216. MB. 1341 fair. DL
 KPAY with news 1300. DL
 1061 Diyarbakir fair 1750. RCh
 1080 KRLD briefly with nx 1202. JA
 1088 Russian on loop, strong 1825. RCh
 1090 Chinese weak under 3LK 1250. JA
 KING good 1450. RCh
 1097 RRI Semenep, Jakarta nx relay
 at 1500. AC
 1100 KFAX religious fair 1340. DL
 1107 RRI Jogjakarta, same as 1097. AC
 1130 AIR Calcutta in EE 1530. JA
 CKWX strong 1455. JJ & RM. RCh
 1133 Kuwait with Yugoslav? 1730. RCh
 1160 KSL nx, mixed 1310. DL. 1300 gd. BW
 1188 Easterner good 1735-1825. RCh
 1190 KEX Portland good 1500. RCh
 1260 KGIL mixed KYA? 1502. RCh
 1330 JOSF good 1440, 1817. RCh. 1605. PR
 1370 CROK fair, mixed 1420. DL
 1385 Radio Centro idents 1805, poor./
 1394 Albania assumed, poor 1717. RCh
 1466 Monte Carlo 1800 over Mayak. RCh
 1470 DWRP good 1630-1701 CC rlg. RCh
 1475 Vladivostok in CC good 1712. RCh
 1493 Leningrad 1702 Finnish good. DL
 1510 KGA exc 1435. RCh. 1333 nx, wx. DL
 1529 Vatican Radio good 1700. RCh
 1530 KFBK good 1435. RCh
 1525 Radio Peking s/on RR 1700. PR
 1550 KGAR fair but mixed 1518. DL
 1554 Nice good 1755. RCh
 1555 DYLA good to s/off 1500. DL
 1570 CHUB fair 1435. RCh
 HLDA fair in JJ with id 1330. DL
 1575 Sharjah fair 1705. RCh. AA 1757 PR
 1580 FEN with pops, good-vg 1722. PR
 1602 Munich fair 1552 improving. DL
 Nx good 1702. PR. 1705 strong. RCh
 plus...
 1260 KGIL s/on 1300 Sunday GMT. MB
 1310 KNUI in Hawaiian 1530. MB
 1350 KSRO 1400 frequent adverts. MB
 1370 KEEN at 1330 'Midnite Express' "

545 Jumbo, Dominica s/on in FF 1000. AC
 580 Tuvalu fair Island mx 0755. JA
 590 Voz de Cuba good 0850. BW
 KGMB Sports Scoreboard 0830. JA
 620 KIPA Hawaii strong 0758. RCh
 655 Pyongyang 1130 in CC strong. JA CC
 710 KMPC good over Fiji 0850. PO
 740 KTRH Nitecap Talk Show 0840. MB
 Tahiti strong s/off 1000 Suns. BW
 770 JOUB in JJ mixing KOB 0820. CC
 773 RNE Cacaes fair 0735 28/1. RCh
 780 KCRL good with full id 0758. RCh
 WBBM good, dominant 0830. RCh
 782 Russian strong here 0900 int. sig. "
 790 KKON good 0735. KABC under. RCh
 800 PJB fair in SS over XEROK 0925. JA
 811 Fiji has drifted to this freq. RCh
 830 KIKI exc over NZer 0805. RCh
 840 WHAS with Nitecap 1100. MB. (No lon-
 ger carries this talk show. Ed)
 940 KFRE weak under 2ZA 0820. JA
 950 XEFA Radio Chihuahua good 0725-
 0744 12/12. RCh Unid SS with
 Yankee Doodle theme 0815. PO. Is
 likely KEYJ per IRCA trails. Ed
 KJR excellent ident 0740. RCh
 980 2ZB on car radio in Sydney 0730. AW
 990 KKIS poor 0901. JA
 XET in SS 1100. MB. Good 0847. BC
 1010 O Canada anthem 0803, fair. PR (CBR/
 1020 KTNQ good at times over Tonga (Ed)
 0738-0803. RCh "The new 10-3" 0806
 has phone no. with WINS coding in
 it. Don't confuse. PO. Exc 0919. PR
 1030 KTWO exc 0745. RCh. Over WBZ 0850. BC
 WBZ mixed KTWO 0750. CC. gd 0910. PR
 1034 CSB2 Lisbon very good 0745 28/1. RCh
 1040 KHVH exc id after Nx 0706. RCh
 1070 KNX vg after 12B 1105. JA. 0843. BC
 1080 KICE "K108" fair 1145. JA. 0900
 with KRLD and KSCO. MB
 1090 KAAY over KING 0815 6/1. CC
KAAT apparent test over KING 0930"
 KING strong at 1100. CC
 1110 KFAB 'Serenade in the Nite' 0900."
 KRLA atop KFAB 0745. RCh. 0905. *JA
 1130 CKWX weak 1145, mixed KWKH? JA
 KWKH strong at 1200. BW
 1165 CRL Antigua s/on 1000 gospel. AC
 1170 KVOO Nx, excellent 0730. BC
 KOHO strong in JJ 0710. RCh
 1190 KEX exc 0750. RCh. Fair 0915. JA
 China in EE 1030 mxd 2NX. AW
 1200 WOAI with news 1200. MB
 1220 XEB ident, fair 1128. BC
 1223 Spain poor 0804 27/1. BC
 1250 Vladivostok thru local 12M 1050. JA
 1200 JJ. JA. Peace & Progress. CC
 1270 CMJG pips every minute 0731. RCh
 1295 SS poor here 0755 28/1. RCh
 1300 HJOG Antillas regular 0746 gd. BC
 1310 KDIA with news 1155. (MORE!) MB

BROADCAST MAILBAG continued

ASH NALLAWALLA Dunedin is just back from an Aussie trip, where he logged 2EA,KA,XX,CC,CN, JJ,CY,CO, 3EA,CR,MP. QSL collected from 3EA. The only way to get one Ash! Comments understood.

COLIN CAMPBELL Rotorua has a couple of goodies in KAAV and KAAAT. Also logged are 3GL, DYLA, WHO, Rhema 1230 and Peace & Progress via Vladivostok 1250. Thanks Colin.

ALEX WELLNER Sydney has no reports away but veries from 4BH,GG,MB. Like to have yr IBA QSL Alex, hi!

KEITH ROBINSON Kapuka advises reports to Vidin 1223 and QSLs from Doha 952, 3MP and Alleppey 580. Always keen to know what you're hearing Keith.

GRAEME BAMFORD now in Tauranga has a solitary log in KTWO. QSLs from 1ZU, 2NM and 2KO. Should be more around! It's a Bay of Plenty DX, I know!

PAUL ORMANDY Oamaru has reports to KLAJ, KKA, KMFC, CKLG, KUDE, KTNQ and 2ZK. Veries are KMFS, 1ZU, CW56, KGBT, KAIM, KXEL. Can't pick 'F2Q' from any call in new NRC Log. Try Convention auction for cassettes. 'Electronics Australia' best bet for CB prices I think. Too committed here to assist on African list. Sorry.

DENE LYNNEBERG Wellington QSLs 2EA & VOA Kavala 791. Reports away to 2ZK, Portugal 1578, CKDA, CPOK 1370 and KGAR 1550 (first on new power Dene)

DAVID RICHQUISH Christchurch has one in from XETRA and two out: KTWO and KARM 1430. Tx for interesting info. How about trail items like KOFI?

ROBIN CHAMBERS Opunake is back into DX with reports to XEFA, KQRL, 3XG, KBS Pusan 1449, KTNQ, 2ZK & DWRP. Veries in from Oman 1035 & 3XG. Ta.

TREVOR PHILLIPS Porirua, in his first contribution, advises reports to 3XG, 1XI, 4XB, 1XA & 3XA. QSLs from 3XG, 1XA. A SW QSL from RN Bonaire. Thanks Trev; please keep SW contributions on separate paper. Good to have met you.

MERV BRANKS Invercargill reports to KSRO, KTRH, KRVN, XEROK & 4XB. QSLs from KIPA and 3EA (collected). Hi!

JIM BENZONI Hamilton has logged 2ZK and 1XI. Verie from Rhema.

JOHN ALLCHIN Auckland is getting into them with reports to 1ZU, 2O, 2ZK, CH, 3YW, 4QO/QB, PEN Tokyo 810, USSR 1250, KIOE, KFAB, KORL, KGMB, KFRE,

6 EVENING BROADCAST TRAIL (continued)

- 1320 KUDE wx,pops, plenty ids 0812. PO
 1330 JOSF excellent in JJ 0830. DL
 1376 Carrier here 0825 22/1. EC
 1380 WLCY Sports 0746 over XECO. EC
 1385 ECS11 Madrid peaking vg with id
 0801 27/1, also hrd 22/1, 7/2. EC
 1394 Albania with 'Internationale'
 0800 26/1 hetting unid 1395. EC
 1410 WUNI thru 2YM 0800. NEC Nx,c&w. DL
 1430 KELI service anncs 0801. EC
 1449 Pusan anncng "KBS" 0829-0906. RCh
 1450 "En Radio R...., la musica es
 primera" 0810 29/1. Unid, who? EC
 KVEN up fair 0830 23/1, good. RCh
 HJPM Radio Galeon f/in SS,
 full id 0800. DL. Often 0830. EC
 1466 Monte Carlo 0750 14/1, 0725 27/1!
 1470 XESM? 0725 "Cadena Radio Nacion-
 al de Mexico" good 23/1. RCh
 1484 Carrier here 0800 21/1, also on
 1475, 1403, 1546 and 1214. EC
 1490 "F2Q" classical & jazz who? 17/1
 at 0817. PO
 1530 KFBK vg with news 0840. JA
 1554 Nice marginal sigs 0758 31/1. EC
 1560 KKA CBS Nx 0800, country mx, gd. PO
 1555 DYLA good 1115 till 1140. CC
 1570 CHUB 0900 over XERF. MB
 VL2NI strong 0816. EC good 0845. JA
 XERF f/in 0638. EC weak-fair 0745"
 1578 CSB5 Porto 0718 fair in PP with
 fado mx. DL. Good 0745-0805 28/1 RCh
 good 0815 21/1, 0728 22/1, 0744
 23/1 et al! Now nightly!! EC
 1600 KLAJ with country mx. PO Time? Ed.

CONTRIBUTORS: Robin Chambers, Arthur Cusken, John Allchin, Paul Rawdon, Merv Branks, Dene Lynneberg, Colin Campbell, Paul Ormandy, Alex Wellner, Brian Withers, Bryan Clark. Well done!

John Allchin (continued)...KNX, XEPRS, KFRE, KTWO, WXLE, WVUV again, Norfolk Is 1570, Singapore 790 again, Fiji 1320. QSLs from 2NM, CH, 3YW, 4QB/QO and Norfolk Is. 1570 with their new pennant! Tx for info John. KTRH is nitecap prgm on 740. (John has loop under construction but is unsure of how to connect to his Kenwood QR666. Can any QR666 owner let us know? Ed)

BRIAN WITHERS Christchurch has reported KWKH, KSL, KHVH, KTRH, WHO, Tahiti 740 (2nd). QSLs to come.

PAUL RAWDON Lower Hutt advises a productive month with QSLs from KNDI, 3XG, KGMB, KFAX, CKWX, KTOM, 4ZA, 1ZB, ZE, ZN, 3ZA. Reported: JOSF, KTNQ, KFAC, JOGB, Peking 1525, 4YW, ZA, YQ, 3ZB, ZO, 2ZA, ZB, ZG, 1ZB, ZD, ZN, Munich 1602, FEN 1580, Sharjah 1575. Thanks Paul.

LAURIE BOYER has rpt to Rhema 1230. Yr notes misdirected by GPC!

PACIFIC ASIAN REPORT

7

ALASKA With hundreds of DX reports being received over the pole from Sweden, KJNP North Pole (suburb of the city of Fairbanks) 1170kHz now has a daily programme in Swedish 1000-1100 GMT. KJNP also has Russian programming. 10kw Tuner via Hauser NASWA

VIETNAM A new transmitter of Radio Hue in Central Vietnam has been commissioned. It is one of the most powerful in the country and originally relayed VOA broadcasts. BEC MS (c)
(VOA Hue had 50kw on 760kHz, Ed)

USSR Frequencies used by local stations according to the Siberia & Far East edition of 'Moscow Speaking & Showing' magazine No.31 of July 28, 1976.

- | | | | |
|------|-------------------------------|------------------|---------------------|
| 529 | Cheboksary | 539 | Orenburg |
| 575 | Daugavpils | 593 | Ordzhonikidze |
| 620 | Makhachkala | 656 | Grozny, Murmansk |
| 665 | Komsomolsk-na-Amur | (s/off 1700 GMT) | |
| 683 | Abakan (to 1800) | 690 | Anadyr (1600-) |
| 692 | Ufa | 710 | Donetsk |
| 737 | Chelyabinsk | 746 | Arkalyk |
| 764 | Chardzhou, Odessa | 773 | Voronezh |
| 782 | Kazan (1600-) | 791 | Astrakhan |
| 800 | Leningrad | 827 | Kzyl (off 1800) |
| 845 | Elista | 890 | Tyumen |
| 899 | Yoshkar Ola | 917 | Makhachkala |
| 935 | Lvov | 944 | Rostov |
| 980 | Aktyubinsk (1520 to 1930 GMT) | | |
| 998 | Kishinev | 1034 | Tallinn |
| 1070 | Ust-Kamenogorsk and Riga | | |
| 1088 | Krasnodar | 1151 | Khanty-Mansiyski |
| 1442 | Kaliningrad | 1448 | Kalinin <u>JSWC</u> |

CYPRUS British Forces Broadcasting Service, Zyyi 890kHz 7.5kw was taken out of service in June 1976 EBU per DL

HAWAII KIOE 1080 may increase power from 5kw to 10kw this year.

Alan Roycroft via Ernie Moore

AMERICAN SAMOA WVUW is noted with a regular silent period on Mondays 1000 to 1700 GMT. 24 hour sked rest of week. John Allchin

NEW HEBRIDES Radio Vila expects to install 2 new 5kw transmitters before the end of 1977. B.Hartley, Tune In

DX SPECIALS

MONDAY 28 FEBRUARY 0700-0900 hrs GMT
KAAA Kingman Arizona 1230kHz 1/0.25kw
MONDAY 14 MARCH 1130-1155 hrs GMT
WOI Ames, Indiana 640kHz 5kw.
Credit IRCA & NRC

PHILIPPINES Info from recent QSLs. DYRC 900 verie signer Secretary Miss Fe Avanceña, plus a letter from Jerry Wonder, the announcer on duty at the time of my report. Ray Crawford DWWW 620 letter/verie from Johnny R. Alavazo, Radio Engineering Director of Kanlaon Broadcasting System. Power is 50,000 watts with shunt-feed type non-directional antenna. They also operate DXXX 1010 with 100kw. The very friendly letter concluded: "If it will not be a burden on your part, may we encourage you to monitor us more at your most convenient time on 1010 and 620kHz. We would like to find out what time when our stations are penetrating your country clearly. If you could set a time, we would like to make some dedicated programs to you and your friends there at NZ".

Robin Chambers

DZSA 1230 broadcasts entirely in Filipino. Address is Radyo DZSA, Delta Broadcasting System, 5th Floor, Republic Supermarket Bldg, Florentino Torres Street, Santa Cruz, Manila 2805. Excerpts from a verie letter from Raul N. Choa, General Manager: "We appreciate very much your tuning into Radio DZSA. We never thought that a foreigner would pay close attention to our all-Filipino format, with your limited knowledge of the Filipino language. DZSA started the all-Filipino format only this January 1976, to boost up nationalism and Filinisation in broadcasting. After 3 months of operations we ran away with the 9th place in all Metro Manila radio stations' rating record. Tremendous response from our listeners gave us more courage to penetrate this field which most radio stations here in the Philippines dare not to explore, that of using the Filipino language, music and arts to convey our message. The program that you happened to listen to was one of our public affairs programs entitled 'Isang Sulyap' (A glance at ...). This program, which runs horizontally from Monday thru Friday, gives information about the history of the Philippines, historical calendar, culture of the early Filipinos (Negritos, Malays & Indonesians) and on-the-spot interviews with government officials concerning listeners' problems and relevant events of the day. The program also has an editorial section in which the announcer comments on everyday life." Dene Lynneberg



Your editor has just received his copy of the new NRC Domestic Log. The latest edition, the 4th, was published last September and is available to non-NRC members for US\$7.50 (NZ\$7.05). Airmail postage at printed matter rate cost me another \$3.38 (\$3.18 NZ). Anyone seriously into North American ECB DX will find the NRC Log an indispensable aid - listing, in it's 198 pages, all US and Canadian MW stations by frequency. Everthing you need to know is detailed: the licenced hours of operation and antenna type, day and night-time powers, special hours powers, news network affiliations, full postal address with zip code, the time zone (new feature), schedule, silent periods for allnighters and station format (new feature). No other publication provides such a wealth of detail on the American broadcasting scene. Orders should be sent to NRC Publications Center, Box 401, Gales Ferry, Connecticut 06335, USA. See your bank about a bank draft now!

EC

WHATEVER HAPPENED TO RADIO MILLÓN?

In the April, May, July and August 1976 'Broadcast DX' column, we featured news of a new Costa Rican station, Radio Millón, which would have an output of one million watts! Since then we've heard nothing of this operation until NRC/IRCA member Ron Schatz, who was consulting engineer to the project, brought us up to date via the 18/10 issue of NRC's DX News. Extracts from his report....

"This is the story of the biggest hot potato in broadcast history, and of a US corporation struggling in quicksand trying to get rid of it. The original million watt Costa Rican station was built by Continental Electronics Inc. for a chap named Windsor on behalf of the Christian Broadcasting Network. Due to tremendous hemisphere-wide opposition to such an operation, CBN abandoned the project, leaving Continental's parent company, E Systems, to repossess the facilities. Since that time, E Systems has sought desperately to sell the station to various government and religious broadcasters, but without success. It was finally decided that E Systems itself would operate the station as a commercial enterprise in an effort to get a return on it's original investment.

Since the frequency of 625kHz was subsequently assigned to a different station (TIXE Radio Omega) during the megawatt's lengthy silent period, a new frequency had to be found for it's reincarnation. My choice of 1560kHz was accepted. But before anything else could proceed, the station had to be placed on the air for 'observation' and that was the purpose of the historical 8 March 1976 DX Test. The two 500kw parallel Doherty amplifiers were not at their peak during the test, and the transmitter ran at only 80% efficiency with 50% modulation; the transmission line was blamed. Still, the test got out, and reports arrived from Lima, Peru and Western Canada, and all areas in between. A subsequently scheduled series of tests for 27-29 March never made it due to modulator problems; nonetheless, my report to Continental apparently pleased them so much that they decided to abandon further preliminary testing and go ahead with the frequency conversion.

The massive and costly conversion included all aspects of rebuilding the transmitter for operation on 1560kHz, including component replacement, tower moving, and parasitic hunting and elimination. New studios were built in San José and linked by FM to the transmitter in Paraíso, this mainly to protect employees from RF radiation and to shorten commuting distance. Future management of the station was organised into Radio Millón S.A., into the hands of Costa Ricans.

Now it turns out that the US Government got wind of Millón's revival, and they don't like it. It would take only a simple protest from the USA to the Government of Costa Rica to keep the station off the air, and that may have been what happened. At any rate, Radio Millón has been described as presently being in a 'holding pattern' as E Systems tries to find a way out of this mess. The station is possibly a critical factor in the FCC's critical decision on the question of 'super-power'. (Proposals to allow powers of up to 750kw for US ECB stations currently under consideration. Ed)

Abridged by EC. Via Bill Coleman, Chris Davis.

- +The passing into law of the 1977 Broadcasting Act took effect on 1 February, bringing with it the opportunity for applications to the new Broadcasting Tribunal for further full-time broadcasters. Radio Rhema (Gospel radio Fellowship) will be one group seeking a warrant; another is former radio talk-back host and unsuccessful private TV channel promoter Gordon Dryden, who is seeking to operate Radio Manakau, with the backing of many organisations including the Manakau City Council and an Auckland newspaper company. This will be an educational/ethnic station, the format being mainly talk shows on community affairs. Broadcast Services & Products Ltd will provide technical services, and studios will be located in the new Wiri Centre.
- +4XB Radio Queenstown, the 4XO repeater on short-term licence over Christmas/New Year, was noted running solo on Saturday evening, 8 January, during technical difficulties at the studio putting 4XO off the air. Merv Branks those who reported 4XB on it's broadcasts, or on the special broadcast during the Independent Commercial Broadcasters Conference last September, will be pleased to know that SL cards are still under preparation and that verification can be expected before long. W. Singleton Tune In
- +1XI Radio I has a frequency change to 1330 planned, but the latest date for this to take place is in May 1977. John Allchin
- +Synchronisation of Northland area stations is expected before the middle of of the year, possibly around March/April! 1YK 1010 will move to 830, in synchro with 1YX already on that frequency. 1ZK 1440 and 1ZN 970 will later synchronise on the vacated frequency of 1010. This will be followed by 1YE 1050 moving to 970. Finally, 2ZF New Plymouth will move from 1370 to 1050. This exciting news from Wally Singleton, Tune In, means 1440 - North American graveyard channel (250 watters) will be clear for DX!
- +Relevant quotes from Geoffrey Whitehead, Director General of Radio NZ: "The priority for 1977 is to improve sound output of commercial radio". He also says that only something like 75% of the country gets a decent primary signal and hopes to get some low-powered transmitters into action in isolated areas.
- +1978 Geneva Plan - some of the frequency changes to take effect on 23/11/78, when NZ adopts 9kHz channel separation, are:
- | | |
|---------------------------------|---------------------------------------|
| 576 2YA Wellington ex 570 | 1035 2ZB Wellington ex 980 |
| 585 3YC Christchurch ex 960 | 1044 4ZB Dunedin ex 1040 |
| 630 2YX Napier, unchanged | 1116 2YX Nelson ex 1150 |
| 720 4YZ Invercargill, unchanged | 1161 2ZM Wellington ex 1130 |
| 792 2ZK Hastings ex 730 | 1314 2YW Gisborne ex 1180 |
| 810 4YA Dunedin ex 780 | 1323 3ZM Christchurch ex 1400 |
| 819 1YZ Rotorua ex 860 | 1350 1ZC Rotorua, unchanged |
| 864 4ZA Invercargill ex 820 | 1449 2YM Palmerston Nth ex 1410 |
| 900 4YC Dunedin, unchanged | 1485 3Z0 Twizel ex 1550 |
| 945 2ZG Gisborne ex 1060 | BCNZ via <u>W. Singleton, Tune In</u> |
- +The Golden Bay County Council is pressing for a repeater at Takaka to service the Golden Bay area. RNZ has suggested a cable-fed 1kw repeater of 2ZN, to be co-sited with a TV translator on Takaka Hill. The BCNZ agrees with the need, but has no funds for the task. David Ricquish
- +2ZK Apple Radio, Hastings 730 was officially opened on 22 January. Locally originated commercial programmes are carried mornings/afternoons Mon-Sat. Concert programme is carried evenings and all day Sundays. Power is 2.5kw and reports should be addressed c/o Radio NZ, P.O.Box 241, Napier. EC JM
- +Since 17 January, all 22 Community (RNZ Commercial) stations, with the exception of 2ZK, have carried 'The Tonight Show' on network from 7pm or 8pm thru to midnight NZ Time. Only the ZM 'Music Stations' and the private stations now provide an alternative evening commercial programme. RNZ Management admit that economic reasons have prompted this major networking. Trying to log an RNZ station on locally originating programming gets harder and harder!

LEAGUE LADDERS

Broadcast

Shortwave

10

BROADCAST					SHORTWAVE				
DIVISION	Dec	Feb	Inc	Cnt	DIVISION	Dec	Feb	Inc	Cnt
<u>Gold Star (over 1250)</u>					<u>Gold Star(over1250)</u>				
Norman Maguire	2873	2885	12	58	Arthur Cushen	4333	4354	20	240
Arthur Cushen	2215	2218	3	145	Dene Lynneberg	2062	2081	19	188
Merv Branks	2101	-	-	132	Ray Crawford	1291	1294	3	147
Keith Robinson	2065	2068	3	110	John Mainland	1270	1281	11	177
Laurie Boyer	1285	1295	10	94	<u>GOLD ACE(1001-1250)</u>				
<u>GOLD ACE(1001-1250)</u>					Ray Babbage	1210	1219	9	121
Ray Crawford	1077	1086	9	127	Bryan Clark	1101	1109	8	168
<u>SILVER ACE(751-1000)</u>					John Durham	1089	1095	6	128
Sutton Burtenshaw	858	863	5	92	Bill Huddleston	1014	-	-	117
Robin Chambers	833	843	10	-	<u>ACE(501-750)</u>				
<u>ACE(501-500)</u>					Jack Searle	740	756	16	104
Dene Lynneberg	696	701	5	83	Lindsay Robinson	743	-	-	115
Chris Martin	520	524	4	128	Des Davey	730	-	-	122
David Ricquish	506	507	1	47	Laurie Boyer	647	647	0	109
<u>SENIOR(301-500)</u>					Eric McIntosh	645	-	-	110
Paul Aronsen	432	432	-	-	Keith Rogers	584	-	-	114
Ray Babbage	397	403	6	35	Paul Aronsen	562	571	9	-
Bryan Clark	393	397	4	79	<u>SENIOR(301-500)</u>				
Hank Wilkinson	389	392	3	70	Austin Hadler	451	478	27	74
<u>INTERMEDIATE(151-300)</u>					Paul Ormandy	457	477	20	110
Lance Johnston	277	-	-	-	Jim Benzoni	451	468	17	88
Paul Ormandy	269	285	16	42	Lance Johnston	391	-	-	-
Jim Benzoni	237	238	1	22	Alan Gilmour	-	391	-	77
Alan Gilmour	-	224	-	27	Alan Robson	374	-	-	74
Alan Robson	209	-	-	27	Bruce Cavanagh	362	376	14	93
Lindsay Robinson	203	-	-	26	Brent Allred	338	366	28	51
Des Davey	170	-	-	-	Steven Greenyer	339	-	-	122
Jack Searle	162	163	1	18	Paul Rawdon	319	331	12	108
Ash Nallawalla	158	-	-	17	Cecil Symes	307	309	2	67
<u>JUNIOR(51-151)</u>					<u>INTERMEDIATE(151-300)</u>				
Paul Rawdon	139	150	11	17	Bill Vogel	258	264	6	100
Andrew White	123	126	3	13	Paul Edwards	244	247	3	118
Bruce Cavanagh	124	125	1	19	Wyn Machon	235	-	-	63
Ian Cattermole	108	122	14	13	Jack Farrow	230	235	5	47
Gay Johnston	115	-	-	-	<u>JUNIOR(51-150)</u>				
John Allchin	104	111	7	8	Ian Cattermole	142	187	45	54
Graeme Hammond	100	-	-	11	Alex Wellner	140	147	7	71
Leigh Morris	94	97	3	22	Ian Wells	125	128	3	57
Stuart Forsyth	67	-	-	5	Leigh Morris	125	127	2	63
David Feldon	61	-	-	8	Gary Butler	120	-	-	59
Jack Farrow	52	53	1	4	Graeme Hammaond	110	-	-	27
<u>NOVICE(1 - 50)</u>					David Feldon	101	-	-	27
Steven Greenyer	44	-	-	24	Gay Johnston	94	-	-	-
Gordon Hutchison	41	44	3	4	Peter Mott	80	-	-	35
Brent Allred	20	-	-	2	Ash Nallawalla	64	-	-	32
Alex Wellner	16	20	4	5	Andrew White	61	-	-	28
					<u>NOVICE(1-51)</u>				
					Gordon Hutchison	48	60	12	23
					Craig Strathern	-	31	-	-
					Stuart Forsyth	22	-	-	9

Welcome to Craig Strathern & Alan Gilmour. Also to see Alan Robson back on the list after missing the Dec print. Remember to get your notes in early.....

Apologies to Paul Ormandy for not being on the top of the BC Intermediate list. Next time should be right!

See you all next in April.

Ray Babbage.



Congratulations to our TV/FM contributing editor Brian Oliver on being the first NZer to verify a bona-fide FM broadcasting station from New Zealand! Brian's letter, from Paul Walliker, Production Assistant ABC-FM Headquarters in Adelaide is reproduced below.

No room for the planned feature articles this time, but a few brief items on hand: 3RMT-FM operated by the Royal Melbourne Institute of Technology is on air from 7 February, advises Ash Nallawalla. 7CAE-FM 92.1MHz began tests last December and will begin regular stereo broadcasts in February, using an ex-ABC TV transmitter with an ERP of 500w at horizontal antenna. The station is based at the Tasmanian College of Advanced Education, Mt Nelson, just south of Hobart. Info from Paul Jackson ARDXC.

Australian
Broadcasting
Commission

85 Main North East Road,
Collinswood, S.A. 5081
G.P.O. Box 1419, Adelaide, 5001
Tel. 44 0911

NEWS DEPARTMENT,
G.P.O. BOX 1249, ADELAIDE
TELEGRAPHIC ADDRESS "BROADNEWS"
TEL. 44 0911, 69 1778

Ref. PW:CC

.....7th December, 1976.

Mr. B.M. Oliver,
P.O. Box 36,
Kerikeri,
BAY OF ISLANDS.
NEW ZEALAND.

Dear Mr. Oliver,

Thank you very much for your letter regarding reception of ABC-FM in New Zealand. We've had many varied reports of reception since we commenced operation in January. However, your report is the first international one we have received.

ABC-FM originates in Adelaide and is relayed and broadcast in Melbourne on 105.7 megahertz; Canberra on 101.9 megahertz, and in Sydney on 92.9 megahertz. The Adelaide frequency is 92.1 megahertz. All transmitters have an effective radiated power of 50 kilowatts with the exception of Adelaide where it is 10 kilowatts.

The information you give corresponds to our program records. The program was "Straight Down The Middle", our daily middle-of-the-road music segment. The network has a basically classical music format with folk, jazz, rock and features playing an important role.

I am afraid I can't supply a QSL card as the ones we have available are hopelessly out of date as in fact they still show stations operating in New Guinea. However, I would think you were listening to our Sydney transmitter.

Once again many thanks and find enclosed some information about the network.

Good listening.

Shortwave Mailbag with Tony Marr

12

It appears to have been a bumper month for QSLs, judging by the big contributions in the mailbag; so there should be some good Laddie increases coming up. It's good to see an 11 metre verie too, the first for quite a while. Here's hoping there will be more activity on this band from now on, as propagation hopefully improves. TWR Guam should be on air soon, so that's another one worth keeping an ear out for. Now to the QSLs:

PAUL ARONSEN Invercargill is first up with 10 out and QSLs from ELWA 4770 TWR 15445 15275 FEBA 15185 BBC 3989 NHK 17880 Gabon 4777 RA 11705 Athens 9760.

ALEX WELLNER N.S.W. has 3 away and has the 11 metre QSL from IBA 25605 and NHK 15195. IBA very good.

PAUL EDWARDS Wellington has a good list RSA 15155 11800 Andorra 6230 Moscow/Chita 15385 ORU 21460 plus a pennant Inca 4762 Cinco 5040 Sabah 4970 FEBA 9510 11845 SABC 4880.

COLIN CAMPBELL Rotorua has a loner back in from Sofia 9700. Better than none....

AUSTIN HADLER Christchurch has 28 out and a lot in Tunis 11970 Hungary 7215 Paris 7285 FEBC 15235 21515 NHK 17825 WFC 15345 Lisbon 11875 15390 HCJB 6095 9560 WINB 15355 15375 SBC 11850 9570 RN Bon 9590 RN 6025 RA 7290 9530 17870 IBA 7412.5 vatican 9645 Sweden 9665 Bucharest 7195 9590 1.775 15345.

DENE LYNNEBERG Wellington has 14 out, veries from RN 5955 15120 RSA 11800 WYFR 15110 Moscow/Chita 15385 Budapest 17715 Greece 17830 RFI 17800 Quito 4920 Galei Zahal 2441 FEBA 11845 Bandjarmasin 5969 for country 188. coming along....

PAUL RAWDON Lower hut has 10 out, QSLs from ELWA 4770 RSA 15155 21535 Andorra 6230 ORU 21460 plus pennant FEBA 9510 SBC 21520 with a sticker, and a pennant from Springbok Radio. very good.

BRUCE CAVANAGH Invercargill has 31 out, replies from BBC Tebrau 6065 ABS 9640 Oslo 11870 N.Dist 2468 Singapore 6155 Jan Bator 6383 Sweden 11740 15305 17770 SSB RFI 6040 SBC 11745 Galapagos 4810 Vatican 9625 R&P 12020.

BRYAN CLARK Wellington has 2 out, QSLs RSA 11800 VOA Monrovia 3990 Grenada 15105 Andorra 6230.

DEREK SMITH Auckland in his first contribution to us, has a good list, RN Bon 9715 9630 Praha 11855 RA 9530 TWR Bon 11925 SBC 9590 11775 HCJB 9745 DW 9765 ON 9555 RNE 11880 Peking 9380 AIR 11775 P&P 11780 BBC 11955 Moscow 9700 IBA 12025 WRF 11890 Brasil 15245 RFI 11705 NHK 15195 Moscow 11690 KGEI 5980 VQ05 5020. Thanks, Derek - I don't think a quad would be much use for general frequency coverage, perhaps a 20 foot whip might do the trick.

PAUL ORMANDY Oamaru has 40 out, veries from RFI 9730 IBA 12045 SRV 10040 AIR 15190 Budapest 6000 Pyongyang 7203 Cameroun 4972.5 Ghana 4915 IGNC 3300 RTVA 6145 for country 110.

JACK FARMOW Lower hut has them back from BBC Antigua 6195 DW 6185 9615 IBA 9435 RA 17870. Ta.

JOHN MAINLAND Wellington has QSLed SBC 9560 11950 Kabul 15390 WINB 15375 WFC 17890 Vox Rifei Malta 6185.

CRAIG STRATHERN Timaru tells of 4 QSLs in his first letter to the times, NHK 17880 P2A4, P214 4890 Sofia 9700 plus a record of folk music. welcome, your layout is fine.

LEIGH MORRIS Palmerston Nth has 2 back from Andorra 6230 Cameroun 4972.5.

BRENT ALLRED Motueka has a large list RA 15160 15240 IBA 12045 Cuba 9525 NHK 15310 Lisbon 11925 VOA 9530 RN Bon 9630 RFI 6040 VLM 4920 RSA 15220 Malaysia 15290 HCJB 11915 Tahiti 11825 RNE 9505 11880 RN Bon 9630 RFI 9570 NHK 15195 MAI 7275. Brent, your letter dated 30/12 reached Box 2956 on 26/1 after misdirection by the P.O. So....

ALAN GILMOUR Greymouth has 9 out, QSLs from BBC Asc 15260 OIX2 9550 IBA 9009 5900 RFI 17765 6015 brunei 7215 LLD 9550 Sweden 17775 Kuwait 17750 KGEI 5980 NHK 17880 RSA 17780. A good collection.

IAN CATTERMOLE blenheim has a fair list
vatican 9645 NHK 17880 15105 9605 BBC
Cyprus 11760 MA 11740 VOA Phil 6110 RNE
9505 11730 11920 9530 11880 Moscow 11940
9520 Lisbon 6025 11875 VLW6 6140 Sweden
21690 BBC Antigua 6175 VOFC 11825 RNZ
11960 IBA 7395 VL16 6090 RN Bon 6165
JUZ3 9595 ABC 11745 AFRTS Phil 11840 DW
Antigua 9545 5960 Brasil 11780 Peking
17635. you've been busy!

CECIL SIMMS wellington has verified
RNE 9530 SBC 9535. thanks.

JACK SEARLE Haumoana has 12 out and has
heard back from RFI 11930 Malaysia 15290
Red Cross 7210 Peking 7080 Moscow 5980
Tirana 7065 IBA 15465 NHK 11800. good
luck with the FRG7.

HARRY WEATHERLY Mt Waverley has 7 out,
QSLs from Sierra Leone 3316 brazzaville
4765 VOFC 11825 TWR Bon 15445 RSA 21535.

IAN WELLS milton has QSLed noumea 3355
DW 3995 RNE 9360. They all help the grand
total.

GORDON HUGHESON Kaipoi has heard from
IBA 9435 NHK 17880 Tirana 9500 MA1 7275
Peking 15060 BBC 9915 9410 9510 Praha
7345 AFRTS 6030 SBC 11775 MA 970. ia.

MAINE LAWRENCE waipukurau has logged 12,
verified VOA 9670 Budapest 7220 Peking
17635 RN Bon 9660 NHK 6030 15325 11840
5960 RNZ 11960 MA 11790 11740 9515 15140
9570 RNE 11775 9530 BBC 11955 5975 Moscow
15380 11940 RFI 11730 with a pennant and
another pennant for 7135. good luck in
Japan, keep us posted on the DX over there

STEPHEN LILLIS Auckland is another new-
comer, and tells of veries from MA 12
freqs RNZ 9520 VLM4 4920 VLQ9 YJB4 3945
HJJB 5970 L-915 6130 RCI 9625 AFRTS 6030
KGRI 5980 NHK 9585 15105 Peking 7035. 8
reports away. welcome to you, too!

ARTHUR CUSHEN Invercargill has verified
RFI Bancjarmasin 5970 YJB7 7260 Athens
15045 Sweden 9665 WINB 15355 Austrian Army
6227 Roland 9955 Budapest 17715 Andorra
6230.

JOHN DURHAM Meremere has a couple back
this month from Monaco 5945 and SBC 6045.

DES DAVEY Te Anau has a loner in from
MA 7240 and has 2 out.

MASAMI UNIZAWA Japan has had success
with Cuba 11780 with a badge RNE 6140
with pennant and a spectator 11835 with
2 QSLs. very good.

BILL VOUGL Adelaide has sent 11 out,
QSLs have come in from UHF 17850 RNE
9505 Sierra Leone 3316 ulan bator
6383 Budapest 17715 RFI 15125.

LINDSAY HOBINGTON Invercargill has 5
out and veries from martyrs 6145 BBC
Antigua 6195 6175 Argentina 6180 BBC
21710 Sweden 21695 vatican 9645 Bcom
del Combeima 4875 with stamps and
money. could become a profitable
hobby with a few more like that!

BRUCE OFFICER Christchurch has them
back from Moscow 17700 7100 DW 9545
Praha 7345 5930 9540 RNK 17880 RNE
6065 Sofia 9700 9550.

BRUCE WILLIAMS wellington has one in
from AFRTS 6095.

BEST OF THE MONTH

UNDER 9MHZ

Galei zahal 2442kHz 1kw 1.5 pts

Dene lynneberg

OVER 9MHZ

RSA 21535kHz 250kw 108 points

Paul Rawdon and Paul Edwards

RAY CRAWFORD Invercargill has QSL'd
DW 17800, NHK 15235, JKQ22 Kumamoto
6130 600w, Hungary 6000, Austria
11835, Rhodesia 3396, Tanafo 3990.

JIM BENZONI Hamilton has 1 out and
2 in - Central Districts 3286, RAI
9575. Just made it Jim!

WAIKATO/BAY OF PLENTY BRANCH NOTES

From page 2....Competitions - BCB
to Mike Smith, Rhema 1230; SW to
Dave Feldon, RTVE 9585. Members
pse contact Secretary Colin Camp-
bell, 6 Clouston Crescent, Rotorua
for info on next meeting. Past and
present members who have won a
branch competition, should contact
Mike Smith, Box 259, Matamata re
certificates. Mike will also be in
charge of branch countries award.

SHORTWAVE BANDWATCH

coordinated by John Mainland



Highlights this month include the reception of Turkish Police Radio; Voice of the Malayan Revolution is noted on the 31 metre band, Uganda has been heard again on their 9mHz channel; TWR from Swaziland is heard for the first time on the 25 metre band; Deutsche Welle have added a new 6mHz outlet from Antigua; and Syria and Kuwait are using out-of-band frequencies.

TIMES ARE GMT (Add 13hrs for NZDT) FREQUENCIES IN KILOHERTZ

FREQ	TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	INITS
2340	0915	PAPUA NEW GUINEA	Radio West New Britain	poor in Pidgin, news.	CS
3222+	2045	TOGO	Lama Kara	in FF with anncts, pop mx 14/1. Same day 1759 on 3288 MALAGASY with vernac ident; 3290 UNIDENTIFIED in FF with talks and mx 2000-2045; 3338 MOZAMBIQUE in PP 2038; all GK 3316 SIERRE LEONE in vernacs 2035; 3300 GABON Libreville 2040.	
3225	1233	INDONESIA	RRI Tanjung Pinang	fair with popular Indonesian songs. Ident 1300.	DL
3225+	0147	VENEZUELA	VYTC Occidente	in SS. 3255 L.V de El Tigre at 1025.	RY
3270+	1938	CHINA	Radio Peking	here in Italian! Nx, orch. mx, fair.	DW
3285+	0307	BELIZE	Radio Belize	on new freq with EE nx and weather.	RY
3355	0835	NEW CALEDONIA	Noumea	fair with news in FF.	CS
3433	1346	INDONESIA	RPDK Kediri	hrd with fair sigs in Indonesian. Ident as 'Suara Canda Brawa'. 1400 has relay from Surabaya.	FE DL
3550	1017	INDONESIAN	TIMOR RRI Kupang	good with EE songs. Better 1230.	PO
3955+	2036	SOUTH AFRICA	SABC Afrikaans	//4880. Other 75m SABC outlets 3965 in EE 2014, 3980 in EE Springbok Radio //4810 at 2005.	GK
3965	1302	PAKISTAN	Radio Pakistan	fair with EE news. S/off 1310.	BCa
3975	1227	INDONESIA	RRI Suabaya	with country mx, many ids, good.	PO
4030+	1209	USSR	Anadyr Mayak	prgm //4040 jammed from this time. 4040 Yerevan with Mayak ident 2030 & RR Nx, another USSR under. 4610 Khabarovsk local prgm in RR 1002. 4485 //4050 at 1200.	GK
4725	1249	BURMA	BBS Rangoon	good with EE pops, Burmese anncts.	PO
4750+	1957	ZAIRE	Lubumbashi	in FF, also at 2050. GK. 1850 fair in vernacs.	DW
4760+	1730	SWAZILAND	TWR Manzini	with organ mx. Lang prob. Afrikaans. Other 60m Africans hrd by new contributor George Kuznecovs of Sth Australia: 4777 GABON often in FF 2024. 4780 AFARS & ISSAS with nx 1801. 4783 MALI //5995 regular 2052. 4820 ANGOLA Luanda in PP 2019. 4865 MOZAMBIQUE in PP 2135. 4911 ZAMBIA Lusaka mx prgm 1747. 4972 CAMEROUN in FF 2107. 5010 all Garoua in vernacs 1922. 5020 NIGER FF prgm info 2003. 5038 GK	
4765+	1950	CENTRAL AFRICAN REP.	regular 2038. 5047 TOGO	politics FF 2032. CONGO Brazzaville fair in FF 15/1. Others hrd this day were GABON 4777, TANZANIA 4785, TWR SWAZILAND 4790, MAURITANIA 4845, MOZAMBIQUE 4865 - latter quite regular.	BV
4790+	1057	PERU	Radio Atlantida	in SS. Other 60m Latins heard by Robert Yajko in Pennsylvania: COLOMBIA Ondas del Meta 4885 at 1058, Colosal 4945 at 1107, BRAZIL R.Clude do Para in PP 4855, 0235.	RY
4832	0458	COSTA RICA	Radio Capital	with good signals. MS 0918 in SS.	GK+
4853	1805	YEMEN	Sanaa	good in AA. F/out 1845. JD 2010 AA Mx, vocals.	DW+
4860+	2021	USSR	Moscow	with Mayak //4930, 4895. Ashkabad 4825 at 2100. Kiev in Foreign Service JJ on 4920 under ABC 2010.	GK
4872	1029	INDONESIA	RRI Sorong	good with local ident at this time.	JD
4880	1647	SOUTH AFRICA	SABC	fair. Mass 1700. PE. 1653 Radio Suid Afrika in Afrikaans with classical mx. DL. (Is this RSA or SABC? Ed)	
4885	1745	KENYA	Nairobi.	MS. 1751 talks in vernacs.	GK+
4910+	1902	GUINEA	Conakry	poor in FF with African mx.	BV
4932	1140	INDONESIA	RRI Surakarta	has news at 1200.	PA
4965+	0803	COLOMBIA	Radio Santa Fe	fair with mx, ids.	MO
4970	0902	VENEZUELA	Radio Rumbos	with SS mx prgm.	CS

SORRY WE'VE HAD TO SQUEEZE UP THE LOWER BANDS THIS TIME ROUND

FREQ	TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	INITIALS
4976	1623	UGANDA	H.S.Red Network	in EE. Poor, noisy. Nx 1700. Het, telegraphy.	15
4980	1015	VENEZUELA	Ecos del Torbes	with excellent sigs in SS.	MS./PE
4980	0659	GHANA	Accra concluding rlg prgm	Sunday, EE id, nx. Fair, steady.	BC
5030	0920	VENEZUELA	Radio Continente	with SS DJ prgm, poor, ident often.	CS
5039	1600	SUDAN	in AA. EE Nx 1630. AA again 1645.	Poor with het USSR 5040.	PE
5050 ⁺	1725	TANZANIA	Dar es Salaam with EE news.	Poor due heterodyne.	FR
5053	1000	MONGOLIA	Ulan Bator with ident in Mongolian	after relaying Radio Moscow Service in Mongolian.	Mx prgm followed. Poor.
5057	0621	ALBANIA	Gjirokaster vg in Albanian	with light pops, later opera.	MS CC
5055 ⁺	1743	SWAZILAND	TWR Manzini	with EE preaching & anncts.	DL
525 ⁺	1247	INDONESIA	(SUMATRA) RRI Sibolga	with Indonesian prgm.	GK
5882.5	0544	ISRAEL	IBA good in Hebrew	with ballet lessons //7460. PO 0602	PE
5885	1430	INDONESIA	RRI Pekanbaru	with music prgm.	BA
5900	0500	ISRAEL	IBA EE Nx //7412	both vg. JS 7412 vg 0507. BA. 0515 FF Nx.	AC
5935 ⁺	2045	LATVIAN	SSR Riga in Swedish.	Ident 'Lettlands Radio Riga' 22/1.	BCa
5955	1440	HOLLAND	Radio Nederlands,	Lopik with mx requests, fair.	GK
5980	0700	USA	KGEI rlg prgms good.	TP. EE gospel prgm. CC. JJ from 0800.	TP
6000	0730	AUSTRIA	Aldrans with GG prgm.	CC. (Is 10kw transmitter now. Ed)	BA
6000 ⁺	1130	COLOMBIA	HJNX Radio Super de Medellin	with SS advts, idents.	RY
6015	1245	SRI LANKA	SLBC All Asian Service	closing at this time.	AC
6025	1812	PORTUGAL	Lisbon in EE.	Very good signals. MS. 1800 EE Nx strong.	JB
6025	0919	PARAGUAY	Radio Nacional, Ascuncion	poor-fair with mx. Many ids.	JD
6030	0735	USA	AFRTS Bethany in EE	fair-good. CC. 0800 Nx, excellent.	TP
6040	0715	HUNGARY	Budapest in Turkish,	Sunday only. Good. New freq ex 6150.	JM
6045	0429	SWITZERLAND	SBC Berne good with 'Dateline'	in EE after Nx.	PO
6055	0755	JAPAN	NSB in JJ, good.	CC KUWAIT here at 0440 in AA, fair.	PO
6065	1224	CANADA	CBC Northern Service	good. TP SWEDEN in RR 1930. BL. 0805.	CC
6070 ⁺	1008	VENEZUELA	YVSR Radio San Sebastian	in SS with Latin Mx.	RY
6085	0600	ANTIGUA	Deutsche Welle relay in GG	for Australasia. Fair. nf 4/2.	JM
6100	2030	SPAIN	RNE Madrid in EE,	fair.	BL
6130	0830	ECUADOR	HCJB Quito strong in EE	to Sth Pacific. CC. 0910. MS. 0645.	BCa
6135	0630	TAHITI	Radio Tahiti, Papeete	in FF. Good to close 0800.	CC
6145	0610	ALGERIA	Algiers good in AA	till 0835. CC. Full ident 0701. Exc.	MS
6160	0710	ALGERIA	Martyrs good with AA mx.	Slight QRM. LR. (In FF Lindsay?)	MS
6185	0612	LIBYA	Tripoli with exc signals.	0659 ident as in WRTVH.	MS
6200	0615	ALBANIA	Tirana in Albanian.	Very strong.	CC
6210	2115	PAKISTAN	Radio Pakistan EE World Svce	Nx, fair. DL. 2140 EE pops.	RY ⁺
6230	0715	ANDORRA	Radio Andorra now regular	Sundays with pop mx prgm in Dutch till f/out 0835, peaking fair.	EE ident 0800 "You are listening to ... on Radio Andorra, 48.15 metres, 6230 kHz". Power is 3.5kw per DSWCI. BC. 0735 In FF with FF & Greek pops.
6232	0802	UNIDENTIFIED	Radio El Condor	weak in SS, peaking 0815 on. Who?	PO
6275	0528	UNID	European hrd from 0516	to abrupt off this time. Poor-fair.	BC
6340	0643	TURKEY	Turkish Police Radio	poor with Turkish anncts, mx. Lost at 0700. JM. Turkiye Polis Radyosu, Ankara suffering considerable CW and telegraphy QRM. Hrd from 0559. Mainly Turkish mx.	DL
7038.49m	1231	BHUTAN	Radio NYAB	fair in Dzongkha & EE, but suffers from CW & hams. Opens with EE ident, then Dzongkha till 1315 EE Mx prgm till s/off 1330 12/1. Tentatively here 5/1 but too poor to identify positively. DL. 5/1 1259 very poor, heavy QRM. Off 1330.	PE
7080	1900	ALBANIA	Tirana strong in AA.	JB 7065 has EE fair at 1843.	PA
7105	0827	SPAIN	RTVE Madrid opening in SS,	good level. CC. Ident 0830.	MS
7105	0725	MONACO	TWR Monte Carlo religious	prgm. TP. EE fair. BV+ 0733 'Back to the Bible'. BA. 0800 'Your Worship Hour' CC MS (See 7125 too Ed)	MS
7115	0430	BULGARIA	Sofia in EE	to Nth America. AC. New time & Frequency 14/1 Also here Sunday only in Serbo Croat at 0730 GMT fair.	JM
7121 ⁺	1555	SOMALIA	Mogadishu	poor after 1600 with QRM BBC 7120. Mx prgm.	PE
7125	0725	MONACO	TWR here Sunday only,	to 0900 fair ex 7105. JM 0745 good in EE 30/1. On 7105 other days. BL. 0800 'Back to the Bible'	CC

FREQ	TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	INITS
7170	2200	NEW CALEDONIA	Noumea	in FF with Catholic Church Service, good.	CC
7275	0700	NIGERIA	Lagos	quite good strength, but severe JRM.	EE nx, mx. BA
7275	0700	HUNGARY	Budapest	with Turkish service //6040.	Fair ex 7215. JM
7280	1330	GREECE	EIRT Athens	good in European language.	BCa
9022	2030	IRAN	Teheran	Persian nx after EE.DW+ 0440 Farsi HS sports nx, vg.	JM /DL
9300	2000	SYRIA	Damascus	poor in FF.Mx prgm. New frequency 5/2.	JM
9410+	2300	GREAT BRITAIN	BBC	World Service with news, fair.	MD
9425	2000	ISRAEL	IBA	with EE to Africa good, //9009 poor.	JS 2025 DX nx. DW+
9500	0700	ALBANIA	Radio Tirana	excellent with propoganda.	TP
9505	2200	SPAIN	Madrid	vg, clear in EE. Nx & mx. PO. 2115 Mx prgm, good.	MD+
9510	0530	CLANDESTINE	Voice of Arab	Syria fair in AA to s/off 0601.	JM
9525	1820	INDIA	All India	Radio with fairy tale & nx in EE. Good.	CS
9525	1000	SOUTH KOREA	Radio Korea	fair with nx, new freq. MD+ TP. EE good.	BCa
9530	0747	USA UN	Radio via Greenville	good with news to West Africa.	BA
9545	1400	SWEDEN	Stockholm	in EE on this new frequency.	AC
9550	0930	FINLAND	Helsinki	in EE weekends only, fair. BL. 0930 Poor.	TP
9555	1930	KUWAIT	Radio Kuwait	strong in EE with pop mx. S/off 2000.	JB
9560	0700	SWITZERLAND	Berne	exc in EE to NZ. JS. BCa. 0710 good, co-ch JRM.	BA
9580+	1000	SOUTH KOREA	Radio Korea	fair with nx. New frequency.	MD
9590	0218	NETH. ANTILLES	RN Bonaire	vg in SS to Sth America. BA. 0350 fair.	CS
9595	0934	JAPAN	JOZ Tokyo	weak with JJ prgm.	PA
9605	1429	CZECHOSLOVAKIA	Radio Prague	opens in English.	AC
9610+	0710	CONGO	Radio Brazzaville	poor in FF under VLW9.	HW
9615	0625	USA	KGEI in SS to Latin America.	Good, mod. JRM DW 9615. EE 0630.	BA
9620	0945	VIETNAM	Ho Chi Minh City	in EE, very fair. BL (See next item. Ed)	
9620	0930	CLANDESTINE	(China) Voice of the Malayan Revolution,	good signal with propoganda talks. (New frequency)	TP
9630	0140	ITALY	RAI	poor s/on in Italian. BCa. 0345 int. sig, severe jamming.	
9640	2030	WEST GERMANY	DW	int. sig then Deutschelandfunk relay, strong	JB/ MS
9645	0641	VATICAN	Vatican Radio	vg with Latin Mass. BA. 0700 rlg exc.	TP. BCa
9650	2335	SINGAPORE	Radio Singapore	quite good in CC. Rarely hrd this time.	
9670	2030	PORTUGAL	Adventist World Radio	good in EE. JB. 2101 EE fair. BL. /DL	
9675	0610	SOUTH KOREA	Seoul	EE cntry, fair. JM. POLAND Warsaw Nx 0630.	MD+
9690	2058	USA	WYFR Family Radio	s/on in SS with full ids then rlg prgms.	DL
9700+	1933	BULGARIA	Sofia	with EE nx to Europe, fair. JRM.	DW
9720	0330	EAST GERMANY	RBI	EE to Africa, poor. CS. SRI LANKA EE id 0330.	DW+
9730	2053	UGANDA	Kampala	weak and poor in EE.	BCa
9750	0308	GREECE	EIRT Athens	good signal, //11730 and 9760.	PO
9760	1952	MOROCCO	VOA Tangier	fair in EE to Europe,	JS
9765	2100	WEST GERMANY	DW	vg in EE to NZ at s/on. News & cmt.	BA
9780+	1945	YEMEN	PDR Sanaa	with AA chants.	RY
9800	0315	UKRAINIAN	SSR Kiev	in EE to North America.	AC
9895	0930	HOLLAND	Radio Nederland	with EE tx. Test frequency.	AC
10040	1000	VIETNAM	Hanoi	with propoganda. TP. 0937 Malay //12035. DW+ 1306.	RY+
11700	2125	DOMINICAN REP.	Radio Clarin	good in SS. Nx 2200. PR. 1925 good.	BC
11710	0354	NEW CALEDONIA	Noumea	good with EE pop music & FF anncts.	JS
11715	0710	VATICAN	Vatican Radio	with int. sig & ident in EE, fair.	CS
11730	0814	SPAIN	RTE in SS.	Ident 0815. MS. 0840 SS to Aust/Philippines, gd.	CS
11745	0530	IRAN	Teheran	in Farsi Domestic Svce fair //11770. New freqs.	JM
11750	0026	PAKISTAN	Radio Pakistan	Urdu. EE Nx 0030, then Urdu past 0100.	EE
11755	0059	ARGENTINA	Radio El Mundo	fair in SS with id, pops. Off 0132.	DL
11760	0405	CUBA	Radio Havana	with request for reports. TP (Assume in EE Trevor)	
11760	0728	CYPRUS	BBC World Service	relay. News 0800. Poor.	CS
11765	0830	PHILIPPINES	FEBC International,	Manila new freq ex 11890 poor in EE. CC. 0835 EE id exc. MS. 0750 poor. MD+ 0830 EE Nx good, //11850. Both new freqs. BC. 0833 Listeners Letters. Poor. TP 0900 EE gospel prgm. AC. 0934 fair in EE. EV+ BL. Fair on 11850 with religious prgm 0900 //11765. Freqs replace 11920 & 11890.	JM
11770	0659	INDONESIA	RRI Jakarta	tuning signal then II nx. Poor signal.	JD
11770	0857	SWEDEN	Stockholm	int. sig & ident at 0900 for RR prgm.	CC
11775	1000	INDIA	AIR Delhi	EE s/on then news. MS 1005 good signals.	CC TP

Our last page allocation for Bandwatch and too much to squeeze in, so will be pruning out a lot I'm afraid. In future, we will be obliged to limit overseas contributions to this section to stations/times likely to benefit NZ members.

FREQ	TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	INITIALS
11775	1910	USA	WINB Red Lion	regular in EE.BL.2102 Gospel prgm,good.	CC MD+
11800	0330	SRI LANKA	SLBC	fair with Hindi.BCa 0415 Hindi.Local mx	pgm.DL
11805	0413	USA	AFRTS via Dixon,	good to the Pacific.	BA
11810	0945	CHILE	Voz de Chile	fair in EE. Anncd metre bands. 7/1.	JM
11825	0245	TAHITI	Papeete	good in FF,mx prgm.CC. TAIWAN VOFC nx 0200.	MD+
11830	0700	ROUMANIA	Bucharest	in EE.Best in many years.JS. 1202 EE poor.	BCa
11830	1811	ETHIOPIA	ETFL Addis Ababa	fairly good in Fulfulde.1843 EE id.	DL
11835	2031	HAITI	Cap Haitien 4VEH	with SS rlg prgms. Fair signal. Ident at 2100 as 'Quatro V.E.H.'	JD
11845	1315	SWITZERLAND	SBC Berne	with s/on in EE.	MS
11855	1915	SAUDI ARABIA	Riyadh	fair with EE nx.JM.1930 poor.RY+ 1920 pr.	BL
11855	0845	CZECHOSLOVAKIA	Prague	with 'Postbag'.MS. 0900 good in EE.	CS
11865+	1959	CANADA	RCI Montreal	very poor with test tx in EE 7/1.	BV
11870+	0100	PHILIPPINES	Radio Veritas	in EE, fair. Rpts requested.	HW
11875	2243	JAPAN	NHK Tokyo	time signal & opening in EE to Nth Am.Good.	CC
11890+	0406	OMAN	Muscat	with spoken prgm in AA. A play?	GK
11895+	0800	NORWAY	Oslo	poor with talk. Also 11860,fair.MD. (EE Sundays Ed)	
11935	0500	PORTUGAL	Lisbon	good.TF. 0518 vg with current affairs. RM HCJB.	
11945	0805	SWITZERLAND	SBC FF to Far East.	Sked 0700-0930 ex 11950. JM/BA	
11945+	1928	LIBERIA	ELWA	in EE 15/12 to 1945,then Ibo. Not hrd in EE since	DW
11955	1800	SWAZILAND	TWR Manzini	with int.sig & id "Escouta Radio Trans Mundial, Swaziland" in PP. Fair 21-23/1 as late as 1900. BBC Tebrau irregular here.BC 1800 rlg mx.DL. 1900 PP id.Mx.RY+	
11990	0815	KUWAIT	Radio Kuwait	in AA s/on. Mx prgm. Fair,new freq 7/2.	JM
15100	1205	ISRAEL	IBA	here in EE.TF Poor //12025 fair,15465 good.	MD+ CC
15100	0045	UKRAINIAN SSR	Kiev	fair in EE to Nth.Am. CS EE cmtry vg 0040	HW+
15110+	1455	FINLAND	Radio Finland,	Helsinki with EE talk.	RY
15115	1205	EAST GERMANY	RBI	vg in EE. ECUADOR HCJB good EE after RBI off	BCa
15120	2030	NIGERIA	Voice of Nigeria	with African Arts Festival broadcasts	SPR
15205	0000	AUSTRALIA	RA s/on in Vietnamese,	vg.Unlisted.JS.0100 II nx gd.	CC
15210+	1140	BELGIUM	Brussels	in FF with mx prgm. Fair.	HW
15225	0718	TUNISIA	RTV Tunis	good with AA mx.FC 1859 full id.MS.0604 AA.	HW+
15230	0200	CUBA	Radio Havana	in SS to the Americas, strong.	CC
15260	0625	ETHIOPIA	ETFL	in FF for Zaire fair to s/off 0640.	JM
15270	2316	TAIWAN	BEG49 VOFC	in Korean to s/off 2330. Fairly good.	DL
15290	0630	ARGENTINA	Radio El Mundo	clear when RA s/off.EE pops,SS advts.	BC
15290	2210	PHILIPPINES	VOA to Oceania	vg with nx in standard & special EE.	
15295	0630	MALAYSIA	Radio Malaysia	in EE,fair.CC. 0702 vg.Ba 1053 CC.MS/BA	
15305	0700	SWITZERLAND	SBC to Aust/NZ	good EE.CC 0900.TP Strong to 0930.	JB
15315	2156	LIBERIA	VOA Monrovia	good in FF.Other VOAs hrd 15445,17855.	PO
15345	0610	KUWAIT	Radio Kuwait	fair in EE.JS.0630 very strong.CC.0728vg.	HW+
15345	0204	TAIWAN	VOFC Taipei	good with EE prgm.PO 0300 news, fair.	MD+
15390	1001	AFGHANISTAN	Kabul	good signal with AA news & music.	JD
15407m	0514	BANGLADESH	Radio Bangladesh	identification at 0515.MS(Lang? Ed)	
15425+	1440	SRI LANKA	AWR religious	prgm poor in EE via SLBC. BV/15470	DW+
15440+	0452	SEYCHELLES	FIBA in AA,	fair. Into Urdu at 0500.	HW
15445	2241	NETH.ANTILLES	TWR	strong in FF.Rlg pgm.JS BRAZIL at 2300.CC(same?)	
17715	1033	HUNGARY	Radio Budapest	TF 1030 Nx,then Classical mx.EE good.	DW+
17730	1131	IRAN	Radio Iran Domestic	Farsi Svce with mx to 1200 t/out.Fair.	
17740	1240	BELGIUM	RTB/BRT Brussels	vg in Dutch.	BCa/JM
17750	2100	CUBA	Radio Havana	in EE good //11850. Ident at 2130.	CC
17765	1200	AUSTRIA	Vienna s/on in GG,	fair. BCa 1230 poor with talk.	MD+
17810	1802	NETHERLANDS	ANTILLES Radio Nederland	relay with AA nx,cmt.	CS
18080+	1326	GREAT BRITAIN	BBC Asian Service	with Cantonese talk.	RY
21450	0940	ARMENIAN SSR	Yerevan	with nx,id 0945. RR mx prgm, fair.	CS
21500	0955	ISRAEL	IBA int.sig & s/on in RR Sat/Sun	//21625.Both jammed.	BC
21620	0950	FRANCE	Radio France International	good with FF music prgm.	LR
21555	1037	SAUDI ARABIA	Voice of Saudi Arabia	good with AA mx prgms.	PO

Numerous NHK reports & repeats from January issue had to be squeezed out...

VOICE OF AMERICA

1178 1100-1500 to Sth East Asia 1000kw
 6010 1100-1500 to Nth East Asia 15kw
 6075 2115-2200 " " " " 35kw
 7160 2215-2300 " " " " 35kw
 7165 1045-1500 Nth East Asia & Philippines with 35kw/35kw.
 7255 2145-0030 35kw, 0945-1400 100kw, both beamed to China.
 7265 1400-1600 to China with 100kw
 9560 2145-0030 to China with 100kw
 21490 2300-0130 to Sth East Asia 15kw
 Frequencies in kHz, times are GMT.

RADIO NACIONAL DE BRASÍLIA

Brent Allred



The International Service of Radio Nacional de Brasília is broadcast over a 250kw transmitter located some 55km from the Brazilian capital. The current sked has FP at 1900 GMT, GG at 2000, and English at 2100, on the frequency of 11780kHz. At 2200, the same transmitter carries a national government programme "A Voz de Brasil".

Highlights of the EE programming include a Mailbag feature 'Just Ask and RNB will Answer' on Wednesdays (Thursday NZ date) and repeated on Sunday (Monday NZ date). The RNB DX Programme is broadcast every Friday (saturdays here). Reception reports are to be addressed to Radio Nacional de Brasília, International Service, P.O. Box 07/0173, Brasília, D.F., Brazil. The stations other broadcasts are of a commercial nature, on shortwave 0800-0300 GMT on 15445, 11720, 9665 & 6065kHz. On medium wave, 980kHz with 300kw is on air 0300-0700, and 1210kHz 10kw 24hrs.

BANDWATCH CONTRIBUTORS A great turnout this time. Our thanks to...

JB Jim Benzoni BA Brent Allred TP Trevor Phillips JM John Mainland
 JS Jack Searle CS Cecil Symmes MS Mike Smith (Ta!) DL Dene Lynneberg
 BL Bruce Lister BC Bryan Clark JD John Durham CC Colin Campbell(Ta!)
 AC Art Cushen PA Paul Aronsen PE Paul Edwards LR Lindsay Robinson
 PR Paul Rawdon PO Paul Ormandy BCa Bruce Cavanagh...and overseas members
 DW Dick Whittington, HW Harry Weatherley, BV Bill Vogel, MD M.Dalrymple(Aust)
 GK George Kuznecovs(Aust) MO Masami Onizawa(Japan) RY Robert Yajko(USA)

ADDITIONAL DEUTSCHE WELLE FREQUENCIES

believed to be from Antigua, possibly from the second 250kw transmitter mentioned above: In Spanish 1000-1120 on 6085kHz. In German 0600-0950 on 6085, 1200-1220, 1300-1320 and 1330-1350 all on 11810, 2200-0150 on 9680, 0200-0550 on 6085kHz. via JM

The Saudi Arabia Government has approved the project to develop "Radio Call of Islam" to enable it to be broadcast from Holy Mecca to all parts of world.

OKINAWA in the RYUKYU ISLANDS, JAPAN is expected to close down on 11 MAY 1977. Here's their current schedule, up to 5/3/77 to help you catch them before it's too late! 18

BBC/DW CARIBBEAN RELAY UPDATE

Deutsche Welle's first 250kw transmitter at Antigua was inaugurated on the first of November 1976, and the second was due on air at the beginning of February 1977. 'Hallo Friends'

The 1976 DW Handbook refers to a 50kw transmitter being built on the island of Montserrat, and says it will be used by both BBC and DW. In a letter, BBC advise that the Montserrat site will be used for a 'shortrange service'.

Padula, Hanner ADXN

Two transmitters (15kw and 50kw) are under construction on Montserrat. The following schedule has been advised:

5995kHz	50kw	1000-1035	GMT	DW.
6020	50kw	1100-1330		BEC
6040	50kw	0215-0415		BBC
6055	50kw	2000-2115		BBC
6145	50kw	0600-0950		DW
9590	50kw	0130-0150		DW
9590	15kw	1000-1130		DW
9760	15kw	0530-0550		DW
11970	15kw	1200-1220 and 1300-1320		

with Deutsche Welle pgms.

Roger Legge ASWIC

ARTHUR CUSHEN'S SHORTWAVE REVIEW

19

New frequencies have been observed in use by many stations in the past month, the most unusual being Radio Nederland on 9895 from 0930 to 1050, and 1400 to 1520. The Red Cross tests in January on 7210 suffered severe interference from Moscow.

All Times in GMT

All frequencies KHZ

BULGARIA Sofia is being heard on the new frequency of 5915 with Spanish 0430 to 0500. They may also be heard in English to North America on 7115 from 0430-0500.

CHILE La Voz de Chile on 11810 has been noted at 0945 with an English transmission. Closes with list of frequencies and transmissions.

INTERNATIONAL RED CROSS. Test transmissions during 1977 on 7210 are planned as follows: Hours: 0600-0700, 1130-1230, 1700-1800, 2200-2300. On Mondays the broadcasts will be in English, Wednesdays in French and German, Fridays Spanish and Arabic. The dates are March 21,23,25; May 23,25,27, July 25 27 29, September 26 28 30, and November 21 23 25.

MONACO TWR has made a frequency change from 7105 to 7125 for its Sunday transmission 0725-0900.

PHILIPPINES FEBC is using 11765 with English noted at 9845. The same transmission has also been noted on 11850 but with interference from Paris.

SEYCHELLES FEBA on 9700 opens at 0311 with interval signal and the Swahili to 0330. English follows.

SOUTH AFRICA RSA has been noted on 11800 opening at 1758 in French and 1859 in Portuguese.

SRI LANKA SLBC All Asian service has been heard on the new frequency of 6015. Signs off 1245.

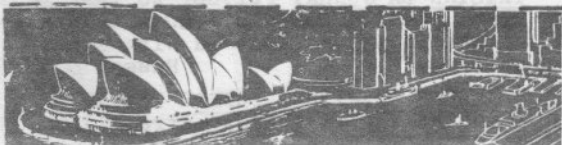
SWEDEN Stokholm is using 9545 in English 1400-1430 replacing 9750 and 9765.

SWITZERLAND Berne has moved to 11945 from 11950 for the period 0700-0930. English is carried 0700-0730 and 0900-0930. The programme is also carried on 9560 11775 and 15305.

U.S.A. WYFR Oakland has been heard on 17845 closing at 2055.

USSR Radio Kiev has English to North America on the unannounced frequency of 9800 from 0315 to 0330.

VENEZUELA YVXJ Radio Barquisimeto is being heard on 9510 from 0300-0500, but during this period it experiences interference from Paris and sideband from Turkey on 9515 from 0400.



DXCURSION AUSTRALIA 77

DEPARTING 4 MAY

SIX WEEKS ONLY LEFT TO ENROL !

As the air fare portion of this years DXCURSION must be paid by 30 March it is now important that members contemplating the trip but who have not registered do so now. This will be perhaps the last DXCURSION under the present arrangement, so don't miss this opportunity. + Melbourne + Radio Australia + Shepparton + DXer hospital-ity + 10 day luxury camping tour to Alice Springs (with about 20 "others") 8AL + 8HA + 2MBS + Sydney. ALL YOURS for \$825. Full details: DXCURSION P.O. Box 3160, WELLINGTON.

..sign off..

RADIODIFUSORA NACIONAL DE NICARAGUA has been reactivated after a 4 year absence following the disastrous earthquake which hit Managua on 23 December 1972. In late December 1976 a new high power transmitter was heard testing on 5920kHz, from as early as 2300 till s/off at 0330.

Legge, Thompson ASWLC

RADIO HAVANA's current EE schedule is 2010-2140 to Northern Europe on 17885kHz; To the Americas 2050-2150 on 17750, 11865; 0100-0450 on 9685; 0100-0600 on 11725; 0330-0600 on 11760; 0630-0800 on 9525. Brent Allred

WWV/WWVH CUTBACKS On February 1st standard time & frequency station WWV discontinued broadcasts on 20MHz and 25MHz. On the same day WWVH closed down it's 20MHz frequency.

ASWLC, Craig Strathern

RADIO NEDERLAND's budget will be cut by 5 million Dutch guilders over the next 3 years, 1 million less to be spent each year on programmes, and 2 million less on the new Lopik transmitter site. Staff dismissals and dropping of planned expansion into additional languages is expected.

Stumvoll SCDXers

POLISH PATHFINDERS radio station is now using 5960kHz, with a pop music prgm in Polish heard at 1045 GMT on 12/12.

DSWCI, via NASWA

RADIO AUSTRALIA will use 9540kHz to NZ from 6 March, in the period 0830 through to 1800, replacing 6045. BrW

market square

FOR SALE: Zenith Trans Oceanic portable Royal 7000. \$250 or near offer. Write to Arthur Williams, 26 Centre Street, Invercargill.

OLD TYPE RADIO VALVES for sale. Used but OK octal, loctal, some miniature - \$3.50 ea. One new 5Y3 Power Rectifier Valve \$4.50. Also 5Z3's & 80's used rectifier tubes \$3.50. Include 25c postage, NZ only. Any enquiries to state number of old valve. Write to D.H.Davey, 16 View Rd, Te Kuiti.

TWR GUAM's test frequencies are 9505, 11705, 15160 & 17830kHz.

Roger Legge NASWA

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.

EDITORIAL OFFICE

P.O.Box 2956, Wellington.

Only queries relating to content & distribution of the Times should be addressed to Wellington.

Closing date for contributions:-

5pm on first Monday in 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.

RADIO BERLIN INTERNATIONAL has English for South East Asia at 0645 on 17700 & 17740kHz, at 1200 on 15115, 17880 and 21540, 1400 on 17880 and 21540, and at 1530 GMT on 11975kHz. EE for Nth America is aired at 0100 and 0230 on 9730, at 0330 on 5955, 6080, 9730kHz. B.Allred

MYSTERY NOISE. Further to our item in the November 'Sign Off', the Russians have admitted to the origins of this interference. The Soviet authorities have replied to a note from the Swedish Telecommunications Directorate and the Foreign Ministry. They promised to take steps to reduce the disturbance.

Los Angeles Times via NASWA

TRISTAN DA CUNHA. Further to last mths item, station ZOE's old 40 watt transmitter is to be replaced with a new unit.

Husgen SCDXers

AZORES ON HIGHER POWER? The 4865kHz outlet is being heard strongly in USA & Europe with relays of Radiodifusao Portuguesa.

SCDXers, NASWA

RADIO NORDSEE INTERNATIONAL's ship Mebo II, has finally left the Dutch harbour where it has been since 1974. The ship is not allowed to anchor in European waters. The ship and transmitting facilities have apparently been sold to Libya. Mulder SCDXers

NIGERIA on 4900 (see January Band-watch) is Lagos ex 4990 according to BBC, but Bill Whiteacre NASWA has hrd an ident. for Enugu. Sogunle per QSL 9/2 DL