



NEW ZEALAND DX TIMES

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Congratulations!

+ It's anniversary time - and firstly a very special greeting to our sister club across the Tasman, the Adelaide-based Southern Cross DX Club, on the occasion of their fifth anniversary this month. SDC have celebrated this significant happening in Australian DX circles with Australia's first true DX convention - at Waitpinga Beach South Australia over the Queen's Birthday Holiday Weekend. Although inclement weather dampened things a bit during erection of the various beverage antennae, the 4 days of DXing was most successful, the highlights being reception of MW Africans Radio 5 1115kHz, Conakry 1295 and Angola 1232, and morning reception of Radio Timbira Brazil 4976kHz. The number of SDC members in attendance varied between 11 and 20 during the weekend. As well as the strong local contingent, the convention was attended by Melbourne members Harry Weatherley, Dick Whittington & Brian Dodgson, and James Niven of Mount Gambier. In only 5 years SDC membership has passed 150, including many of the leading DXers in Australasia. Our warm congratulations to you all!

+ Other celebrations at this time are the 25th anniversary of Deutsche Welle, the Voice of Germany, and the 30th anniversary of broadcasting by FEBC Philippines. We've also just heard of a League member's success in being placed 5th in Radio Sweden's Contest to commemorate the 30th anniversary of the "Sweden Calling DXers" programme. Once again it's congratulations to regular contest participant Douglas Doull of Auckland!

WARC 1979.

+ Written confirmation has been received that submissions from the League will be considered by the NZ sub-group on broadcasting services, presently formulating the New Zealand case for the 1979 World Administrative Radio Conference. In April last year a committee was set up to prepare a brief for the NZ delegation to the Conference, and since then some 10 sub-groups have been reviewing the existing and future requirements of all radio services, including broadcasting. This work has not yet been completed and therefore the NZ attitude has not yet been formulated.

AC

BCNZ news.

+ Members Eric McIntosh and Bob Homewood recently received the following letter from R.E. Eaton, Technical Superintendent (Radio) in Auckland for their reception reports of IZB's new frequency of 1080kHz: "Thank you for your report on your reception of IZB. In this case we are forwarding a QSL card for 1080kHz, but for the sake of others in the DX group, perhaps you could spread the word that we cannot issue a whole string of QSLs merely on the basis of our new frequency. Recently, we had the ridiculous situation of sending out many cards merely because of a 1kHz test with the USA. This cannot continue. I believe our Central Services Division who are responsible for transmission, are advising DX groups of this. Good luck with your real DX. Yours etc etc". To date this inkling of a possible policy change in Radio NZ's policy on medium wave QSLing has not been confirmed here in Wellington, even though we have contact with various senior personnel in the BCNZ Central Services Division. We await developments, but meantime suggest you don't rush out and log IZB!

+ A spokesman for BCNZ Head Office Engineering said on 7/6 that the National Programme transmission heard in recent weeks on 1260kHz, as far away as Invercargill, was in fact the second harmonic of 2YZ Napier 630. It resulted from changes to the internal feed systems to the antenna and was due to the harmonic ...to page 9

CLOSING DATE FOR NEXT ISSUE - MONDAY 3 JULY at 12 NOON. ALL CONTRIBUTIONS PLEASE TO P.O. BOX 2956, WELLINGTON. LET'S HEAR ABOUT YOUR DXING, QSL'S RECEIVED, BEST OF MONTH ENTRIES, EACH ON A SEPARATE PAPER PLEASE, FOR REDISTRIBUTION TO OUR SECTION EDITORS IN AUCKLAND, WELLINGTON AND INVERCARGILL. BEST OF DX!

FROM THE BRANCHES

2

SOUTHLAND The May meeting was held at Leo Miesenbeck's with 7 present and many apologies. Eric McIntosh chaired the meeting and Arthur Williams acted as Secretary. The Pot Luck dinner with John Campbell had been most successful, with many members, wives and children being present at Ray Crawford's before members went out to Tiwai for some DX listening. Arthur Cushen played a tape of Radio Yesterday 2YD, recorded in Wellington while Arthur was attending a blind conference. It included a greeting to him during the closing broadcast. DX chat followed, and the next meeting was set down for June 27 at Steven Greenyer's. Competition results: broadcast BOM - Eric McIntosh with Radio Tropicana Ecuador 540, Merit Sutton Burtenshaw Lille 1376 300kw; SW Charlie Chester RBL Berlin 15115 100kw and Ray Crawford TGCH 3380kHz 1kw.

OTAGO The May meeting at Doreen's place had a dismal attendance of 4, with only 2 apologies on hand. There was a lively discussion on UHF, VHF, propagation and aerials. Jim ZL4THH spoke about a 3-digit LED display available in Japan to replace the KHZ drum on Yaesu FRG7's, and the boom in DXing in Japan, as witnessed by him last December. Pete DN57 of 142 Albany Street, Dunedin would like to hear from INCBers as he's planning to DX at Tiwai soon. The branch has been offered use of the NZART clubrooms for meetings, but will only use them for large functions. The next meeting is a Family Night, with little or no radio talk. Jim will show his slides of Southeast Asia in one of the University lecture theatres at 7.30pm on Thursday 29 June. Please bring your family and friends. The exact venue will be announced later.

NORTH OTAGO The May meeting at the Listening Post was again well attended, with a welcome extended to Craig Strathern from Timaru. Also it was good to have John Newman with us for the evening, while over from Australia for a short time. Speaker for the evening was Mr W. Deverall, Chief Radio Inspector from Dunedin, and a very interesting talk it was. The Family DXcursion Camp at Iona will be held 9-10 September. Fees will be \$4 per family group, or \$2 per single member. The Junior Section BOM's provided good competition among members, and at least half the section have now qualified for their Logbooks. The next Junior meeting will be held on 1 June, the next combined gathering on Thursday 15 June, with a guest speaker.

WELLINGTON 10 members were present at the 26 May meeting held at the Quartz Hill Receiving Station of the BCNZ. A brief meeting was followed by a tour of the station and late night DX netted AFAN McMurdo and Paraguay 6025. Those who stayed all-night were able to log Sao Tome 4807. Competition Results: Senior SW to John Mainland with Hungary 21525 20kw and Tanzania 4785 50kw; Junior SW Ron Cundy TWR Monte Carlo 7105 100kw; BCB to Paul Edwards for KVEN Ventura 1450 250w. The next meeting will be held at Bruce Williams', 82 Pirie Street, Mt Victoria, at 8pm on Friday 30 June, and will feature a slide show on Bruce's recent Australian trip.

AUCKLAND 12 members attended the May meeting at NZART Clubrooms in New Lynn, including 2 newcomers. It was suggested that for ease of communication Auckland would be divided into 4 areas, with a member being responsible for each area. This is hoped to help newer members to keep the interest between meetings and pass on information to each other. Barry Williams gave a short account of his DXpedition to Whakatane with other League members, while Bill Huddleston gave an interesting item on reports and the QSL policy of stations. The branch is still looking for an ideal DX site, and discussion was held re a possible weekend at Camp Morley, Waiau Pa, this being the most interesting place yet visited in the search for a suitable location for Auckland. This is tentatively set for 15-16 July and members should keep this weekend free. The next meeting will be held at the NZART Clubrooms on 25 June at 2pm, with John Allchin reporting on his DXpedition to East Cape, and more on the Waiau Pa site.

OUR SYMPATHY . . . Keith Robinson of Kapuka, near Invercargill, lost his mother last month, and her funeral was attended by several Southland Branch members on 24 May. Some 20 years ago, when Keith was living at home, Mrs Robinson was a frequent host to local DXers, and Monday nights at Kapuka, listening for frequency checks and specials on AW was a regular DX event in those days. Keith listened in a caravan near his home and many 250w signals were heard by those who took advantage of the hospitality of the Robinson's. Our sincere sympathy to Keith and Faye on the loss of their mother. Mrs Robinson was interested in our members and frequently called upon us, last visiting us 2 months before her death.

AC

FROM HEADQUARTERS

COUNTRIES/POINTS LIST Further to the details published

last month on this page, a meeting of the committee has approved the reduction in points for Colombia from 75 to 70 on broadcast. Afars & Issas and Seychelles (prior to independence) are now extinct counties, replaced by Rep. Djibouti & Seychelles (from 29/1/76). Points as before.

BROADCAST DX

por el personal necesario

3

New Zealand station news dominates the local scene this month. John Campbell of Newcastle, Australia, and shortly to move to Devon in England was a visitor to the Southland Branch listening post at Tiwai and also spent some time on a DXpedition with North Island members. A detailed Trail is included in this issue.

The Broadcasting Tribunal advises they will be holding public sittings in Oamaru in the week commencing Monday 19 June 1978 and in Christchurch in the week commencing Monday 26 June 1978 to hear the following:

"An application by Radio Avon Limited on behalf of a public company to be formed to be known as Radio Aotea Limited, for the grant of a sound radio warrant to establish and operate a medium frequency radio broadcasting station to serve the North Otago/South Canterbury/Mid Canterbury area of New Zealand from transmitters at Ashburton, Timaru and Oamaru."

"An application by the Broadcasting Corporation of New Zealand for the grant of sound radio warrants to establish and operate medium frequency radio broadcasting stations at Oamaru and Ashburton."

The Minister of Broadcasting has announced an upgrading of facilities for Otago/Southland with repeaters at Te Anau and Wanaka. This will depend on warrants from the Broadcasting Tribunal and the capital being available. A.Cushen.

A private station has been proposed for Invercargill and it is understood plans are under way. Once a transmitter has been obtained, site testing will be carried out to provide the background information for an application to the Broadcasting Tribunal for transmitter location and possible station. Two frequencies have been allocated to Invercargill for future use and it is expected that one of these, 558 or 1548 would be assigned to the new station. A.Cushen.

The community station for Palmerston North is expected to have some site tests carried out shortly. A.Cushen.

The Wanganui community station has been assigned the call 2ZR. A.Cushen.

Radio K at Palmerston, North Otago has made an application for a temporary broadcasting warrant. A.Cushen.

Radio Rhema in Christchurch, has been granted a warrant to operate their station. It is expected to be on the air by October and will use 1570 with 2kW. Hours of operation will be, Monday to Friday 6am to noon and Saturday and Sunday from 6am to midnight. A.Cushen.

Radio Yesterday, 2YD, which operated on 1260 from the Wellington Winter Exhibition by Radio New Zealand, would have been one of the most successful temporary short term stations to go on air. The station was heard from Auckland to Ivercargill and a special QSL card will be sent to those who correctly report on reception. It has been suggested by some members that this type of station, playing old records and reliving the early days of radio could become a permanent service if a Wireless Broadcasting Society was formed. With the interest 2YD received it would certainly be a worthwhile venture.

Now let's dip into the mail bag and see what our members have been up to in the past month. Reception at Te Araroa was good but down in the south conditions have been the worst for the last five years, at least for Latins. Chris Martin, also reports poor reception in Goulburn and comments that the Africans are almost non-existent.

DUNCAN WATSON, Edgcumbe has been busy with exams but has reports out to 2YD, 1ZB 1080, Noumea 670 4BK. Veries are to hand from 2ZP 1050, 2VM, 3NE, WCAU and Fiji 810.

ASH NALLAWALLA, Dunedin has a lone report out to 2YD.

STUART FORSYTH, Auckland was home for May and reported 1ZB, 2LM, 4GY, 4KQ, 2YB, 2KP, 4QL, 2ZP. Veries in from 2ZP 3YR, 4KQ, KFBK, KGMB, WOAI, KTNQ. Ta. TWR 800 would be R. Trans Mundial.

HANK WILKINSON, California has verified 4QS 750 and St. Vincent on 705. Great.

M. STIRLING, Nelson has reported 4GY and 4QR. Verified is 3NE. Welcome to the pages. Please keep broadcast and shortwave notes separate.

KEITH ROBINSON, Kapuka has reports out to KPOI, 4QY, 2YD, Noumea 1260, 1ZB, Iran 1386. Replies have come in from 4QY, Contact, 2ZP, Sam, 1XI, 4ZJ, TWR 1466, KHVH and 4XS. Hi.

NORM MAGUIRE, has moved from Hawaii to 1406 Bryn Mawr Drive NE, Albuquerque, New Mexico, 87106. Recent DX includes KKAU, KOHO, 2NC, 2GF, 1YZ, 4YQ. Veries are to hand from KWUN 1480, 3SH, JOMX and JOIF.

RAY CRAWFORD, Invercargill has them out to 2YD, KIOX 1270, KFRO, Ciudad Milagro 1600 and Centinela del Sur 1505. Veries in from CFGO, CHAT, Syria 746, Kosice 1520, Fantasia 1550, Inca del Peru 1470, Malawi 674 and 755 for country 150. Congrats.

PAUL RAWDON, Wellington has one out to 2YD and no veries.

CHRIS MARTIN, Sydney has a heap of reports out to WXLX 1386, 2CT, Ondas del Caribe 1150, 1Z0, 1ZB, KNIX, 6AL, Livingstone 1520, Switzerland 1562, 2CA, 2XL, RRI Bandung 540, Noumea 670, 3SR, Abuzabul 1339, 2BE 750, JOVR, JOYR, JOHR, Israel Forces 1286, Iran 612, 777 933, 1062, 1152, 1386, 1566. Veries are in from 4ZA, Crowborough 1295, BBC Cyprus 1322, WXLG, KYOS, KTAR, KBBX, KWSU, WJVO, KYA, KRLD, KPOD, KSRO and KNDC on 1490 for State 32. Thanks mate.

ARTHUR CUSHEN, Invercargill has sent a report to 2YD and verified 1ZB, 2ZP and Kosice 1520.

BRYAN CLARK, Wellington has reported 2YD from home and KGNC 710, WOKB 1600, Caymans 1205, Faro del Caribe 1075, YSS R. Nacional 655, Radifesa 945, YSCF 1155, Suceso 995, Pacifico 1030, Majagual 1430, Mundial 1370, Monteria 1091.5, from Te Araroa. Veries are in from Turkey 1061 with pennant, KFRO, and KILT 610. Obviously a great trip.

PAUL EDWARDS, Wellington, gas QSLed 4ZA-E, KVEN 1450 and VSZ-1 844. Reported are 1XC 1450, 2YD and Principe 1580. Nice that 1st 250 watter.

JOHN CAMPBELL, Newcastle has about 12 reports out including 2YD, 4XD, XECL 990, Caymans 1555, Norfolk 1570. The veries are back from KBBX 1600 and KONP and WSZO. Nice to have had you down South John. Hope the Devon set-up will bring results.

DENE LYNNEBURG, Wellington has reported 2YD, 1ZB 1071 & 1080, KEEN, KFRO, DYII 1313, Principe 1580, HJBO 1370, Mundial 1370, Reloj 1360, CMJG 1269, Galeon 1450 North Korea 1135. Veries are in from 1ZB 1071, Contact 1450, FEN Iwakuni 1575, WDR 1586, CKDA, DZDL 1423.4 and KNDI Sand Island 1270. Nice list Dene. Tnx. 4

MARK NICHOLLS, Auckland has also reported 2YD and has replies from 4ZJ, 1XC, 4ZA-E, 4XD, KFBK. Congrats on the exam results. Hope we see you in these pages sooner. Hi!

JACK SEARLE, Haumoana has reports of Caymans 1555, Paradise 1265 and KHVH 990.

ERIC McINTOSH, Invercargill has written 2YD and has a lone verie from Tropicana on 540. Hope the Drake is feeling better.

LEIGH MORRIS, Palmerston North has one out to 2YD and veries from KPMC, KVEN and Bahamas 1540. Thanks.

IAN CATTERMOLE, Blenheim has veries from 2ZP, 2NR, 4QS, 4GY and KGMB. Reported are 1ZB, 2ZP, 2YD, 2MG, 2NR, 2NB, 4GY, 4NA, Fiji 680 and Noumea 1260.

MERV BRANKS, Invercargill has a report away to 2YD. Hope we can see more soon.

ALEX WELLNER, Bondi, NSW has sent reports away to and received veries from 1ZB, 2ZP 4KZ and 7SD.

SUTTON BURTENSHAW, Invercargill and Tiwai has reported 2YD, Principe 1580, Santa Fe 1070, Mundial 1370 and Centinela del Sur 1505. One lone verie in Kosice 1520. Ta.

PHILIP BROOKS, Wanganui has written to 2YD, 2YM and 1ZB. Replies are in from 2TL ? 2RG, 2YM, 3MA. Who's 2TL ?

ROBIN CHAMBERS, Opunake has his reports listed as HJKX, HJBO, 4AT, 2UH, 2ZD, 4GC, 1ZH, 2YD, FEN 1580, OBX4D 1519, KIKN 1590 and Noumea 1260. Veries are 1XC, 1ZA, 3WM 4BH, 4AT, 3YB, 2ZD, 1ZH, 2LF, 4GC, KFRO, WIBW and Penang 660. Nice lot there.

JOHN ALLCHIN, Auckland has reported 2DU, 4SB, PJB 800, 6WA, 3WM, 6PR, 2EA, 7SD, 2YD, 1ZB, KGNC 710, KFRO, CRL 1165, KFI, KABC, WOKB 1600, KIKI, KRAK, Cayman 1555, KATZ, VOA Poro 1140, Paradise 1265. The veries have come from 2DU, 4MK, 4RO, 8HA 7EX, 6WA, 7SD and WBBM. Fine business.

BEST OF THE MONTH

OPEN: Leigh Morris with ZNS-1, Nassau, Bahamas on 1540 with 20kW. 140 points

STEVEN GREENYER, Invercargill has a report out to 2YD.

EAST CAPE DXPEDITION TRAIL

Stations heard at Te Araroa Motor Camp, 25km from East Cape, 23 to 26 May 1978. Participants - John

5

Campbell, Newcastle NSW (Barlow Wadley XCR30), Bryan Clark, Wellington (Drake SPR4), Jack Searle, Haumoana Hawkes Bay (Yaesu FRG7 & B-W XCR30) and John Allchin Auckland (Yaesu FRG7). Antennas - 450 metres NE, 400 metres NNE, 250 metres W and 200 metres SW.

- | | | |
|---|--|---|
| 545 No sign of Jumbo. US reports say they are off the air now. | 1005 Radio Colosal fair 0642. | 1295 Latin 0654 - YNOO? |
| 590 CMW back here vg 0527. | 1015 Latin here briefly 1102. | 1320 KXYZ news 0500. |
| 600 Cook Is exc 0450. KOGO 0650. | 1020 Margarita mxd Tonga 0445. KCBQ s/off 0600. | 1360 "KGB-AM" ident 0615. KRYs with pops 0530. |
| 605 Huancavilca SS fair 0552. | 1025 Ecos del Combeima always. | 1370 KFRO ident 0455. Nx 0500. |
| 610 HJKL Nueva Granada vg 0506. | 1030 HJER 'R. Pacifico' ident after RCN news 0527, vg. | HJKX Mundial best one 0500. |
| 620 HJEL vg 0510. KGW/Nuie mixed 0655 26/5. | 1045 Latin here 0331. Gone later. | 1379 CB138 Colo Colo first to fade in at 0305! |
| 640 KFI local nx 1106 over 4YW. | 1055 Voz del Centro always, fair. | 1380 KOTOM on top 0649 C&W. |
| 650 HJJX vg mx prgm 0501. | 1070 KNX "News Radio" 0549. | 1386m WXLLE hearing with 1385 0450. Very strong by 0600. Still anncs freq as 1385. |
| 655 YSS El Salvador vg s/off 0500. | 1075 TIFC Faro del Caribe EE gospel to s/off 0358, good. | 1400 3ZM unreadable due Latins. |
| 675 TICN Sonora vg, regular past 0630 and after 1000. | 1085 HROP peaking good 0432. | 1430 KALI 0510 EE & SS anncs. KELI prgm promo vg 0618. HJPO 0407-0426 reg id's. |
| 680 KNBR t/check good 0528. | 1091 .5 HJAW till s/off 0435 gd. | 1433 Unid Latin good to s/off 0423 23 & 24/5. Also 1112. |
| 690 KKUA thru 3YA 1025. | 1110 KFAB Wx 1042 excellent. | 1440 KEYS anncnt mxd 0944. KUHL dominant 1000. |
| 707 Unid Asian 1113. HLKA drift? | 1100 KFAX after 3ZB signs off. | 1450 Galeon as usual 0643 good. |
| 710 KGNC nx, mx thru KIRO 1115. | 1110 KRLA under KFAB 0700. | 1510 WLAC dom 0415. KGA 0600. |
| 725 Latin here 0535 but QRM 2ZK. SRS Surinam poorly 0847. | 1120 WVUV 'Radio Bingo' game strong 0624 over KMOX. | 1505 Centinela del Sur poor 0438. |
| 740 KRMG advts, mxd 1005. KTRH with local ident 1115. | 1125 TISRHB hetting another Latin 0700. | 1520 KOMA 'Oklahoma City Radid mixed NZ 0658. |
| 735 HCGC1 Melodia poor 0537. | 1130 KWKH over 2ZM 0430. | 1530 KGBT s/off in EE 0500. XEUR Radio Onda exc 0538. |
| 770 KOB 'World Tomorrow' 0554. | 1140 KRAK 1210 during silent period of 1YW. Also VOA Philippines vg s/on 1300. | 1545 Unid, id like "Radio Sanbi" 0427-0448, fair in SS. |
| 782 Russian already good 1115. | 1150 XEJP Variedades over NZ | 1555 Caymans hrd from 0328 till s/off 0430 with full ident, vg. Fair 1058 s/on mxd DYLA |
| 790 KABC good all evening. | 1155 YSCF vg and regular /0500. till signoff at 0600. | 1570 XERF all evening. EE & SS. |
| 800 PJB "Radio Trans Mundial" SS good 1006. | 1165 CRL Antigua 0957 intro fr. | 1580 XEDM over KDAY 0516. KDAY powerhouse 0900. |
| 830 KIKI concert promo 1026. | 1170 KVOO country mx all eve. | 1590 XEVOZ "Radio Voz" 0527 vg. KLIV & KBBQ till 0900. |
| 834 Belize 0458 late nite music. | 1180 WHAM under 2YW 0510. | 1600 YVJR Melodia poor but clear 0318 - 0400 25/5. |
| 844 Tarawa always good 0708. | 1190 KLIF ident 0500. KEX good and clear 1142. Cordillera 0325 mxd SS. | WOKB "National Black Network Nx" 0400 good, clear. KATZ mxd KCRG 0520. |
| 850 KOA news 0706, good. | 1200 WOAL under 2ZW all nite. Latin hetting 2ZW 0440. | |
| 854 Radio Nacional Peru 1023 gd. | 1205 Radio Cayman poor-fair 0416-0433 s/off w/GSQ. | |
| 870 WWL powerhouse 0500-1100. | 1210 Fiji dominant 0405 w/nx. | |
| 880 Radio Union Peru thru 1YC 0420. | 1220 XEB mxd NZ 0553. | |
| 891 Fiji stronger than Windy 0613. | 1225 TIPJ Nueva Victoria 0440 regular here. | |
| 910 KJJJ "Kay-jay Radio" 0556 gd. KRIO "Kay-rio" ident 0646 gd. | 1260 KGIL concluding UPI Nx | |
| 944 HRYW Panamericana 0525 thru Ifesa open carrier 945 het. | 1265 Paradise exc 0900. /1150. | |
| 945 HCDA2 Radifisa 1008-1057 fr. | 1270 KFJZ Dallas advts 0515. CMJG gd 0700 'ticking', | |
| 950 XEGM usually dominant 0640. No sign of any Pacific station. KPRC advts, ident 0535. | 1290 Latin mxd Avon 0526. | |
| 960 KOOL 0539 'Mystery Theatre'. | | |
| 985 Weak Latin here 1045-1049. | | |
| 990 XET mxd KHVH nx 0630, vg. | | |
| 990 HCEW2 Suceso 0915-1015. | | |

MIDDAY TRAIL AT TE ARAROA.

- 560 Radio Fiji Suva good, Fijian.
- 640 Fiji //560 poor but clear.
- 670 Noumea very good in FF.
- 710 Radio Fiji Two EE pops vg.
- 791 Fiji causing bad het to 2XW.
- 1020 Tonga usually poor.
- Aussies hrd on 680, 610, 580, 600,

PAUL ORMANDY and BOB HOMEWOOD - notes too late for inclusion this month. Bob, yr letter was put in Box 2693 by our dear friends at the GPO!!

MEDIUM WAVE STATION NEWS

6

AUSTRALIA...When Cyclone Alby swept through the south-west of Western Australia 6TZ and its associated stations 6NA and 6CI stayed on air throughout the night, as did 6BY Bridgetown. 6TZ relayed information, defined major trouble spots, organised evacuations in flooded areas and directed volunteers. People flocked to the station's building - an estimated 500 were there at one stage - for shelter. The staff at 6BY also continued to broadcast all night - in between fighting fires on three sides of the studios. The three men from 6BY and their wives and children fought the fires while one of the wives played records and broadcast emergency calls.

B & T

3CS Colac, Victoria expanded to 24 hour operation on March 13th. Its boost in transmission power from 2 to 5 kilowatts now makes it one of the most powerful stations in Victoria outside Melbourne.

B & T

The new translator for 4CD Gladstone in the Biloela region, estimated to reach an audience of 10 000 more people, is awaiting technical requirements from the Post and Telecommunications Department before it can proceed. The translator should be operating in a few months.

B & T

Port Hedland's first commercial station, 6NW, is at present operating 10.00am to 10.00pm NZT, but this will probably be extended in the future. 6NW has a prime coverage area of 50km radius of Port Hedland but listeners up to 300km north are able to receive broadcasts. Owned by North West Radio, the station has one director and 20 shareholders. The station manager, Alan Clements, is supported by a staff of 10 full time and part time workers, all of whom had to be trained rather quickly in the communication aspects of broadcasting. It took seven years to set up the station and it is hoped that another station, 6KA, will be established at Karratha and administered from Port Hedland. 6NW's headquarters are at Kennedy Street, South Hedland.

B & T

ARGENTINA...According to the Argentinian news agency Telam, the Communications Secretariat announced on 10 May that the National radio network is being expanded with new radio stations broadcasting on medium wave and VHF-FM.

BBC-MS

COSTA RICA...A new station operated by the Costa Rican Ministry of Sport and Culture on 575kHz under the name of Radio Nacional de Costa Rica, was inaugurated on 30 April. Programming will consist of mainly cultural features.

BBC-MS

ECUADOR...Radio Mambo, Guayaquil on 560 has changed its name to 'La Voz de Rio Guayas'.

BBC-MS

GUATEMALA...La Voz del Tropico, Coatepeque, Quezaltenango on 1490 has been authorised to increase power from 1 to 10 kilowatts.

BBC-MS

A two year extension of the concession to operate the station TGAL - La Voz de la Perla de Oriente has been approved by the Guatemalan Communications and Public Works Ministry. The station operates on 990 with 5kW from 11.00 to 06.00 in Chiquimula.

BBC-MS

NICARAGUA...Ondas Sonoras, 1340 is on air to 0420.

NRC

EL SALVADOR...YSTA 990 on air to 0600. YSMM 1160 ex 1390...YSNB 1220 Radio Sensacion ex Radio Recuerdos.

NRC

SURINAM...RANI 914 now uses 3kW (since March 1) Scheduled 10.30-19.00 and 20.30 - 02.00.

NRC

ARGENTINA...LRA15, R. Nacional de San Miguel, 1030 now using 50kW.

NRC

CZECHOSLOVAKIA...A 14kW transmitter for Prague's domestic service, First Prog., became operational in Jihlava, Moravia on 12 April according to a newspaper report. No frequency was mentioned but it is presumed to be 1331.

BBC-MS

Kosice 1520 now 600kW and the station on 1232 is now 400kW.

NRC

ITALY...Milan 899 is silent on the first Wednesday of the month.

NRC

YUGOSLAVIA...Belgrade 683 now 24 hours with 2000kW days and 1000kW nights.

NRC

CHINA...The Lanchow Kansu provincial station announced that as of 13 April its frequency would be 684 ex 730.

BBC-MS

SOUTH KOREA...AFKN Seoul on 550 ex 560 KBS Pohang testing on 560 24 hours and relays 970.

NRC

NBC of Papua New Guinea recently celebrated its 1st Anniversary of commercial broadcasting.

COMMUNITY PROGRAMMING---Through their involvement with their locality, ILR stations are naturally concerned to give local people a better understanding of the workings of their community. As with all ILR programming, much of this is included within the general mix of day-time information and entertainment but there are also special types of programmes on this subject.

Local Government is perhaps one of the most contentious and yet closed subjects of the present time as far as ordinary people are concerned. ILR stations have special programmes covering particular local issues and explaining in more general terms the working of local government, and many officials and representatives of the new Metropolitan Boroughs and the older County Councils have been quick to respond to the challenge of the new medium, where members of the public can question and consult them on the machinery and problems of local government and local services.

To give listeners an even more direct means of approach, the phone-in programme can give direct access to councillors and people involved with the local community. This type of programming can cover many items of local importance and deal with local social services, community relations and the issues which matter to the people in the locality of the radio station. The station can also help to interpret national changes in a local way and allow the listener to ask and have explained what these really mean to him or her.

The stations also broadcast public service announcements. These may be advertisements or news, 'featurettes' or information items which the station thinks are particularly relevant to its listeners. They cover a very wide range of subjects - from public transport and traffic news, to information about changes in social service arrangements or explanations of new Acts of Parliament. Consumer programmes are shown by research to be among the most popular items broadcast by ILR stations. These may be feature programmes giving consumer information or they may be investigations of specific points raised by listeners. Phone-ins of course have a part to play here as well. However, although some of these consumer items are concerned with complaints, it is not the only job of the radio stations to look at this aspect of shopping. They also broadcast a great deal of general information about what to buy and where.

ADVERTISING---Advertising on ILR is not just a source of revenue for the programme companies. It is also a major source of information (and often entertainment) for the listeners. Usually, advertisers buy 'packages' of advertisements; they may, for example, book 49 advertisement spots in a week. These are then 'rotated' so that they are broadcast at different times of day and through the week. The division between the local and national advertising varies with individual areas but in general has so far been broadly fifty-fifty. Although many advertisements are prepared by advertising agencies or production companies, the radio stations also have their own production studios where they can make radio advertisements of a very high standard.

THE AUDIENCE---Independent research shows that, for the first ten stations alone, at least 'well over ten million' people listen in weekly. Before ILR started, the BBC estimated that people listened to radio for an average of 8½ hours per week. Most ILR stations alone are now listened to for between 10 and 12 hours weekly, and the total listening to radio as a whole has more than doubled in ILR areas. Although the most popular time for listening is during the day, especially in the mornings, people listen at all times. The stations which broadcast 24 hours may have tens of thousands of people listening in the 'small hours' of the night.

RECEPTION---The ILR programmes come from modern transmitters and modern studios, built and operated in accordance with a tough IBA Code of Practice. All ILR services are broadcast on both medium wave and VHF FM transmitters. The two transmitters are normally intended to provide a roughly comparable service area. The ILR transmitters are intended to provide a 'local' service of sound broadcasting and the maximum power is fixed by the licensing authorities.



LEAGUE LADDERS

Shortwave

DIVISION	Dec	Jun	Inc	Cnt
<u>GOLD STAR(over1250)</u>				
Norman Maguire	2294	3016	22	81
Arthur Cushen	2254	2270	16	145
Merv Branks	2120	2121	1	132
Keith Robinson	2090	2104	14	114
<u>GOLD ACE (1001-1250)</u>				
Ray Crawford	1167	1202	35	150
<u>SILVER ACE(751-1000)</u>				
Sutton Burtenshaw	839	922	33	102
Robin Chambers	876	908	32	114
Dene Lynneberg	735	755	20	91
Eric McIntosh	—	948	—	86
<u>ACE(501-750)</u>				
Chris Martin	565	688	123	151
David Ricquish	525	531	6	47
<u>SENIOR(301-500)</u>				
Bryan Clark	429	456	27	88
Ray Babbage	412	414	2	41
Hank Wilkinson	399	403	4	72
Paul Ormandy	333	358	25	58
<u>INTERMEDIATE(151-300)</u>				
John Campbell	248	290	42	80
Alan Gilmour	236	251	15	31
Jim Benzoni	247	249	2	25
Bob Homewood	—	243	—	—
Ian Cattermole	219	235	16	19
John Allchin	161	213	52	21
Philip Brooks	143	195	52	20
Ash Nallawalla	—	189	—	18
Paul Rawdon	—	175	—	22
Paul Edwards	126	171	45	47
Jack Searle	166	167	1	18
Leigh Morris	111	154	43	31
<u>JUNIOR(51-150)</u>				
Stuart Forsyth	79	97	18	6
<u>NOVICE(1-50)</u>				
Alex Wellner	22	37	15	8
Mark Nichols	—	32	—	3
Steven Greenyer	47	57	10	25

Now the winners; Broadcast Gold Star
Norm Maguire, Gold Ace Ray Crawford,
Silver Ace Sutton Burtenshaw, Ace
Chris Martin, Senior Bryan Clark,
Intermediate John Allchin, Junior
Philip Brooks, Novice Alex Wellner.

SHORTWAVE Gold Star John Mainland,
Gold Ace Bill Huddleston, Silver Ace
Jack Searle, Ace Paul Ormandy, Senior
Ivan Cattermole, Intermediate Gavin Waters,
Junior Bill Jolly, Novice John Allchin.

Welcome to new ladder entrants Ron James,
Mark Nichols and Philip Hamlin.
Remember your ladder total must be
updated at least once during the six months
or else you are out and have to start from
scratch again. Dont blame the post but we
have printing deadlines to meet;;

Apologies to Ian Wells I left you off
the BC List you have 134 from 60 Cnt.

DIVISION	Dec	Jun	Inc	Cnt
<u>GOLD STAR(over 1250)</u>				
Arthur Cushen	4452	4500	43	240
Dene Lynneberg	2156	2187	31	193
Barry Williams	2021	2057	36	213
John Mainland	1358	1416	58	193
Ray Crawford	1334	1355	21	154
Ray Babbage	1248	1273	25	127
<u>GOLD ACE(1001-1250)</u>				
John Durham	1152	1231	79	156
Bryan Clark	1149	1185	36	188
Bill Huddleston	1103	1189	86	133
Ron James	—	1154	—	102
<u>SILVER ACE(751-1000)</u>				
Jack Searle	847	886	39	117
<u>ACE(501-750)</u>				
Paul Ormandy	610	678	68	141
John Campbell	606	630	24	203
Ian Cattermole	434	607	173	103
Peter Greener	459	503	44	100
<u>SENIOR(301-500)</u>				
Jim Benzoni	486	496	10	93
Alan Gilmour	444	447	3	90
Paul Rawdon	—	424	—	122
Steven Greenyer	354	374	20	127
Cecil Symmes	334	357	23	83
Paul Edwards	317	338	21	151
Gavin Waters	258	312	54	55
<u>INTERMEDIATE(151-300)</u>				
Jack Farrow	240	248	8	48
Alex Wellner	162	190	28	85
Leigh Morris	137	162	25	75
Bill Jolley	106	162	56	43
<u>JUNIOR(51-150)</u>				
Bob Homewood	—	115	—	—
Ian Hitchiner	83	100	17	38
Tim McSweeny	58	70	12	29
John Allchin	48	69	21	47
Ash Nallawalla	—	64	—	36
Mark Sterling	—	59	—	—
<u>NOVICE(1-50)</u>				
Craig Strathern	45	49	4	15
Mark Nicholls	—	45	—	15
Philip Hamlin	—	44	—	31
Stuart Forsyth	24	40	16	23
Norm Maguire	30	36	6	24

Congratulations to Ray Crawford in
reaching 150 BC countries, also to
Arthur Cushen who's BC total of 2270
Exceeds Ken Mackeys total of
2269 listed in 1969 which was then
the Highest in the Country.
Philip Hamlin regardless when you
reach 50 you stay in the current
division until the end of the 6
month period. Bill Jolly: your
award inquiry has been referred
to the Competitions Secretary
in Invercargill for action.

Ray Babbage.

suppression in the dual coupled antenna system (2ZK,2YZ) being below normal. This has now been rectified. The spokesman estimated the output on 1260 to be 20 watts ERP and was surprised to hear it was reaching Invercargill. 9

- + On Friday 9/6 unidentified tone tests were heard at strong level on 790kHz in Wellington. Enquiries of the relevant departments in the Post Office and Broadcasting Corporation have drawn a blank on this one.

Win a Reindeer Skin.

Radio Finland wants to know what else its listeners listen to. To enter, you have to list your 5 favourite shortwave programmes in each of 3 categories - news or current events, music, and feature programmes. All entries will be put into a sack and the first 5 drawn at random will each receive a magnificent Finnish reindeer skin, covered with grey-and-white fur. Other runners-up will receive Finnish musical selections. If you'd like to enter, send a stamped (10c) self-addressed envelope to Contest, P.O. Box 2956, Wellington, and we'll mail out a copy of the rules and entry form. But you must be quick! Your completed entry must be in Helsinki Finland by 1 July at the latest.

DXpeditions.

- + Elsewhere in this issue appear the comprehensive results of a highly successful DXpedition in late May to the Northeast corner of NZ, coinciding with the brief visit to this country of roving DXer John Campbell. John had an inkling of good DX to come, when, in Gisborne en-route to East Cape, we were able to easily hear PJB Bonaire 800 on an old 6 valve Pacemaker 618P set in the motel, with a few feet of wire for an aerial. 3 days of light but steady rain did nothing to dampen the enthusiasm of the small group of DXers who converged on the Te Araroa Motor Camp to hire 2 small cabins for 4 days of listening to MW and SW. The long journey to this isolated corner of the country was well worth it, not only for the great DX heard, but also for the comradeship of fellow enthusiasts. Before and after the Te Araroa sojourn, the former 1XX transmitter house and mast near Awakeri were utilised, courtesy of Radio Whakatane Ltd. This site proved exceptionally good for shortwave reception, and special thanks go to General Manager Rod Prater and Technician Graham Bryce for their cooperation, interest and hospitality. Incidentally the 1XX facility is probably no longer available, as it's dismantling following sale of the antenna mast is believed imminent. Thanks too, to Phil Brooks of Wanganui who's earlier trips to Te Araroa & 1XX revealed the potential and opportunity for DX at these locations.
- + Why not try a DXpedition yourself? In Australia and the United States 'beverage parties' are the in-thing for the mediumwave enthusiast. You'll be amazed what the very long 'beverage' longwire will bring in! Spurred on by the success of the Campbell DXpedition, Wellington DXer Paul Edwards is interested in spending 7-10 days at Te Araroa between 24 June and 7 July, and would like to hear from anyone who would be interested in joining him anytime during this period - call him collect at telephone 766-364 Wellington evenings after 6.00pm (except Thursdays).

Box 2956.

When space permits we try to squeeze in some of the comments and anecdotes included with members contributions:.... After an absence from NZ for 8 years teaching in Canada, Tony Ward has returned to our shores. Tony made his mark as a top DXer during the 1960's, on both BC and SW. Although he is now mainly interested in ham radio (ZL1AZV), he still takes an interest in general listening and in particular - propagation. We may hear more from him on this subject in the future. While on the subject of names from the past, I had great pleasure in working ZL4LG George Beardsmore on 80 metres last year. George was one of our top BCB DXers for many years, with some terrific North American loggings. (Bary Williams).... I had a reply from Jens Frost in answer to my response to the Questionnaire in the 1978 WRTVH. He does like some of the suggestions I made but he cannot make the frequency listings the last section in the book as the "Listen to the World" section could only be inserted into the middle of the book if the end of one of the 'editorial' sections happened to coincide with the end of the printed sections. (Bruce Lister).... Re the penpal request from Jeetendra Bhatt of India which appeared in the April DX Times - He was very pleased to receive a reply from NZ as he does not know very much about this country. In his letter he says "It is impossible to receive Radio New Zealand here because of their very low power. Result - I don't know anything about NZ." He also makes a mention about how so many backward countries have such powerful transmitters, compared with NZ, to reach all corners of the world. (Graham Tee).... Thank you for your good wishes and thoughtfulness. after 5 weeks plus in hospital I have been in bed at home since late April... I am typing this in bed on a "table" Ray Crawford & Eddy (over)

MacAskill especially made for me to encourage me to write some reports... What a lovely typewriter with such a clear black face... to think we started using a Hermes Junior Portable, printing on newsprint instead of duplicator paper, and using printers ink instead of duplicator ink. Of course if we hadn't had someone in the know, we could never have made it pay with the small subscription list. (Merv Branks, League Patron & first Editor of the DX Times)... Have you any information regarding the Icelandic elections in July and consequent extended schedule for Reykjavik 12175? Would be great to QSL this country! (John Durham). (Will let you know if we get any info. Ed)... Last year I made contact with a Mr Bob Gillingham, a DXer from the early 30's era. A few weeks ago I visited him and was given his collection of BC veries, those that he could find, consisting of some 50 cards of the early NZ and Australian private stations. Also of great interest to me was a 1933 NZ Radio Call Book, published by the NZ Radio Record, price 1/-. I would remind all members to keep an eye out for any DX material of interest. We have an Archives Section in Oamaru where these items can be kept. (Barry Williams) (NZRDXL Archives c/- Peter Grenfell, 11 Sussex Street, Oamaru. Ed)

BANDWATCH CONTRIBUTORS Thanks to a bumper 23 contributors! Many thanks for the notes.

PR Paul Rawdon	BW Barry Williams	BL Bruce Lister	HC Hamish Campbell	TMc Tim McSweeney and
PE Paul Edwards	DL Dene Lynneberg	JS Jack Searle	BH Bill Huddleston	MB Mike Byrne, both from
IW Ian Wells	JM John Mainland	DD Des Davey	SF Stuart Forsyth	Queensland, Australia.
JAD John Adams	RC Ray Crawford	CS Cecil Symmes	BC Bryan Clark	AC Arthur Cushen
JF Jack Farrow	PG Peter Greener	JA John Allchin	THANKS CHAPS!	



TRANS WORLD RADIO
P.O. BOX 64 — MANZINI
SWAZILAND — AFRICA

The Swaziland Government has now officially given TWR permission to expand its facilities with the erection of a new curtain antenna to East Africa and a new 100kw transmitter on SW. These should be operational late this year or early 1979. Here is TWR Swaziland's schedule as from

7 May: Afrikaans 0315-0345 on 3200 & 4760, 0430-0600 on 4760 & 9730, 0600-0800 on 5950

& 11955, 1500-1530 on 9730, 1630-2000 on 3200; Bemba 1700-1730 (Su/M) on 9590; Chichewa 1730-1800 (Su) on 9590, 1730-1745 (Sa) on 9590; English 0415-0420 (Sa) on 3275, 0430-0615 on 5055 & 9590, 0630-0835 (Su 0905) on 6070 and 11760, 1600-2035 (Su 2105) on 3275, 1900-2035 (Su 2105) on 5055, 1845-1860 (Sa) on 3240; French 1500-1545 on 9520 and 17745, 1930-2015 on 9 MHz channel (unconfirmed); German 0400-0430 on 4760 and 9730, 1600-1630 on 3200; Kaonde 1730-1800 (Tu/Th/F) on 9590, Lamba 1730-1800 (We) on 9590; Lingala 1445-1500 on 17745, 1915-1930 on 9 MHz channel (unconfirmed); Lomwe 1600-1615 (We) on 3240 and 7215; Macua 1600-1615 (Su) on 3240 and 7215; Malagache 1430-1500 (Sa) on 9520; Mbundu 1800-1815 (Su/Tu/F) on 9590; Ndebele 0345-0415 (Tu/F) on 3240, 1815-1845 (Tu/F) on 3240; Pedi 0400-0415 (Tu/Sa) on 3275; 1730-1745 (Tu/Sa) on 3240; Portuguese 1600-1650 (M/Th/F/Sa) on 3240 and 7215, 1615-1650 (M/Th/F/Sa) on 3240 and 7215, 1800-1905 (M/We/Th/Sa) and 1815-1905 (Su/Tu/F) on 9 MHz channel (unconfirmed); Russian 0800-0830 (Sa) on 5950 and 11955, 2000-2030 (Sa on 3200; Shangaan 0300-0315 on 3275, 1530-1545 on 3240, 1600-1615 (Tu) on 3240; Shona 0345-0415 (exc Tu/F) on 3240, 1845 (exc Tu/F) on 3240; Sotho 0400-0415 (F) on 3275, 1730-1745 (F) on 3240; Tshwa 0315-0330 on 3275, 1545-1600 on 3240; Tswana 0315-0345 on 3240, 0400-0415 (M) on 3275, 1730-1815 (M) on 3240, 1745-1815 on 3240; Zulu 0330-0400 on 3275, 0330-0415 (Su/We/Th) on 3275, 1700-1730 on 3240, and 1700-1745 (Su/We/Th) on 3240 KHz. TWR now broadcasts in 23 languages; Russian replaces Czech. Further language programmes are to follow, including Herero for South West Africa and various East African languages. Colin Miller

BEST OF THE MONTH

Shortwave Winners for June:

<u>Under 9mHz:</u> Nairobi Kenya 4804kHz 4kw	121 pts
Paul Rawdon	
<u>Over 9mHz:</u> Radio RSA 17780kHz	102 pts
Jack Farrow	

SABC is now back on 90 metres ex 60 metres, using some new frequencies - English Svce on new 3215, Afrikaans on 3285, Springbok on 3250 & Radio Five on 3320. Latter is 0300-0530, 1530-2200. Others s/off 0520, s/on 1620. CM

QUEENS BIRTHDAY WEEKEND REPORT

from Chris Martin, DXing at Goulbourn, NSW.

2370 Surabaya hrd at 2045 running all night 3/6
No co-channel QRM from Stanley.
3290 Peking here 1850 blocking any chance of
Tristan da Cunha, hi!
4790 Luanda Angola here ex 4820 on 3/6, 4/6.
5969-5975 variable RTV Dominicana at 1010.
6151 Angolan regional hrd at 2050 in PP.
6185 RRI Manokwari ex 6150, s/on at 0800 vg.
7245 Angola with Cuban Nx in SS 2100 - is it
an International Svce or Home Service, hi!



Once again the winter months are here and the latins are again being heard in abundance which should with luck mean a fine crop of QSL coming up in the months to come, but even at this early stage there are some fine QSL Cards and letters already being received by the Invercargill boys. It seems though that prepared cards may be the answer in future. Well without further ado lets into the mailbag.

BANGLADESH: Radio Bangladesh 21685 kHz. Light brown post card type QSL with full details on one side, and station address on the other. 3 cards sent in the one envelope. Received in 4 months for English report on EE program. (B.Huddleston)

BRAZIL: Radio Amazonas, Manaus. 4805 kHz. Postcard of Manaus, with note in English from (stamp collector) José Joaquim Marinho. Received in 4 months for Portuguese report. (S. Greenyer) **RADIO GAZETA.** (freq?) Printed letter verie from Regina da Gloria Lepes. Received in 6 months for a Portuguese report. (S. Greenyer) Radio Educadora de Xapuri, Xapuri 3411 kHz. Personal letter from José Ailton de Farias, Director for Portuguese Report. Received in total time of 12 months after a f/up report. (S. Greenyer. Nice one Steven. Hope they verie my report also. Ed.)

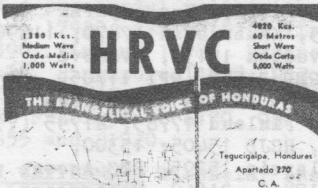
Dubai: A follow up QSL Card received to QSL letter. Attractive map QSL card featuring ensign. 6040 kHz. (P. Ormandy. Sri Paul but I seem to have misplaced your earlier info on this one. Ed.)

ECUADOR: Radio Splendit, Cuenca. 5025 kHz. Personal Spanish letters from Edmundo Valencia V., Sub-Gerente after 30 months for Spanish reports with return postage. (S. Greenyer/R. Crawford)

FRENCH GUYANA: FR3 Cayenne. 4972 kHz. Plain black and white card for f/up report in French with table mat and 2 IRC's. Received in 37 days. 60 mb frequency listed on QSL Card as 4472 instead of 4972 kHz (P.Ormandy. Yes Paul seems a mistake as my QSL was the same. Ed.)

HONDURAS: HRVC, la Voz Evangelica. 4820 kHz.

Airmail QSL Card depicting location of Honduras with large red HRVC across on reverse. Received in exactly 365 days for EE report from verie signer Miss Ines Alvarado A. (P. Ormandy)



MONGOLIA: Radio Ulan Bator. 6383 and 12070 kHz. Attractive blue card with gold crest and station name on one side and full details on the other. Received in 2 months for EE report on EE program for 1 IRC. Also sent two pennants. (B.Huddleston)

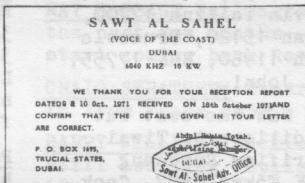
PERU: La Voz de la Selva. 4825 kHz. Printed letter verie with (/on) personal note added, from Eduardo Arévalo Da Silva, Sub-Gerente. Included a postcard and a request to correspond. Received in 7 months. (S. Greenyer)

PHILIPPINES: Radio Veritas Asia. 11955 kHz. Very colourful card of scenes of Baguio City with full details on reverse. Received in 30 days with program schedule for English report with 1 IRC. (B. Huddleston)

PORTUGAL: Radiodifusao Portuguesa. 15340 kHz. Good quality postcard of Portuguese village in colour with full details stamped on reverse side. Received in 30 days. (B. Huddleston)

SRI LANKA: Sri Lanka Broadcasting Corporation. Postcard verie for 11800 and 15120 kHz with picture of local girl, on reverse full data in English. Signed by Superintending Engineer (name not decipherable). Received in 4 months for report on test transmissions after numerous reports and letters over the past 5 years. (J. Searle. Always a hard one to get back, but nice when it does arrive.Ed.) Well thats all in the bag this time. Lots more in two months time. Thanks go this month to the following: Bryan Clark, Wellington; Ray Crawford Invercargill; Steven Greenyer also Invercargill; Bill Huddleston, Auckland; Paul Ormandy, Oamaru and Jack Searle, Haumoana. All contributions for next QSL Review to be in by closing time for August issue. Till then best wishes and good QSL'ing. 73's Section Ed. Dene Lynneberg

Just to hand some exciting latins from Ray Crawford but these will have to be held over till next time.



HUNGARY: Radio Budapest 21525 kHz. Purple card with satellite picture of the world and station name on one side, with full details of transmission and infor on their DX Club on the reverse. Received in 3 months for report on EE program. (B. Huddleston)

LIBERIA: ELWA, Monrovia. 3227, 11835 & 11945 kHz. Usual cards depicting native beating drum. Received with out of date program schedules by airmail in 8½ months, 9 months and 9½ months respectively, for rpts sent with 2 or 3 IRC's each. (B. Clark)



Shortwave Mailbag

with JOHN ALLCHIN

12

A large number of contributions have been received for Shortwave Mailbag, with many members this month verifying Radio Moscow transmissions with local transmitter site as well, in response to our recent article - great! Uruguayans SODRE 9515 and El Espectador 11835 have returned for Bryan Clark and Ian Cattermole and quite a number of replies from The Voice of Kenya have been reported. Conditions on the low band frequencies, especially 60 and 90 metres, have been providing very good reception in the past month with many of the less regularly heard Latin American and African stations being logged, so we should find some good QSLs being featured over the next couple of months. Now straight to this month's MAILBAG

NORM MAGUIRE Honolulu, but shortly to move back to Albuquerque, NM has two in from RN Bonaire 9715 and Kuala Lumpur 15295.

JOHN MAINLAND Wellington, has sent 16 out this time and has heard from Tanzania 4785, RM Minsk 11745, Alma Ata 17850, Dushanbe 21505, Peace & Progress via Tallinn 17700, STA Varberg 15190, Vatican 15120, Brussels 15280, Kenya 4934, Riyadh 11960, NHK 17755, and RNZ 17710. Good list John!

JOHN CAMPBELL Newcastle, NSW has sent out 30 after successful DXpeditions to Tiwai and Te Araroa and has verified Sumedang 2727, Lama-Kara 3222, NHK Tokyo 3607, Cook Islands 5045, Santa Fé 4965, Relej 6006, Calama 6100, Mendoza 6180, BCC Taiwan 11905, and European hobby pirates Tulip 6217.2, Viking 6225 and Partisan 6250. Usual quality list John and good to see you out at the Cape. Good luck in Sweden!

IAN WELLS Dunedin, has sent just one out but has none in. The simplest of aeriels should do the trick Ian, until you can put something more permanent up.

ARTHUR CUSHEN Invercargill, has verified HCJB 17890, Vatican 6210, Luxembourg 15350, KGEI 9750, KTWR Guam 11850, Brussels 15205, and RSA 5980. Thanks Arthur.

JACK SEARLE Haumoana, another to make the trip out to Te Araroa has sent 20 out and has had QSLs in from YLE 17785, IBA 11655, 12077, Spanish Foreign Radio 6100, HCJB 17865 and RA Shepparton 15260. Hope they all come back soon, Jack!

PETER GREENER Auckland, in a recent surge has sent 23 out and verified RN Bonaire 9770, RN Madagascar 15220, Peking 15270, Guam 17855, AIR 15165, ELWA Liberia 3227, and NHK 17795. Thanks Peter.

MARK NICHOLLS Auckland, but presently in Taupo has QSL'd YJB-4 3945 and Sri Lanka 11835. Yes, saved again! CU soon.

STUART FORSYTH now back in Christchurch has sent five out this time and QSL'd VOA 15205 WYFR and ORU Brussels 21460. What happened after your trip out north?

H. CAMPBELL Hastings, is our new contributor this month and reports verifications from BBC 9410, NHK Japan 17825, Radio Australia 21680 and a 'quick' one from AIR 9912 in four weeks. Welcome!

RAY CRAWFORD Invercargill, has heard from BBC Ascension 7105, Moscow 17860, Poland 3955, Cultural 3300, YVSB 6010, Chortis 3380, Emisoras Meridiano 4929, La Voz Del Llano 6115 and La Voz De Los Caras 4795. A nice bunch of Latins there Ray, and thanks for the note!

PAUL RAWDON Eastbourne, will just about have his own column with this list - Radio Moscow via Chita 21515, Serpukhov 17730, Frunz 17825, Alma Ata 17850, Omsk 15150, Ryazan 5980, Moscow 7360, 7280, 9480, 9625, 9685, Armawir 9655, Frunze 11820, Krasnoyarsk 9565, Tiblisi 17805, Khabarovsk 17870, 11690 Chita 15130, Vladivostok 15130, Ivanovo-Frankov 11880 and RBI 21540, RFI 11705, ELWA 11835, WINB 11775, Kenya 4804, KTWR 15115, 9640, 11705, Finland 17785, 21795 (?), WYFR Florida 11725, HCJB 15405, 15300, 11955, Voice of Malaysia 15295, BBC Ascen. 15105, RN Bonaire 17810, 21640, Madagascar 15220, Prague 21700, SBC 9685, RFE 9595, 21665, VOA Tangiers 9760, SBC 11780 and lastly Bucharest 11735.

DAVID MUNN Hamilton, has sent 19 out in the past two months and has had returns from RAI 11810, RFI 11745, 11735, VLB9 9680, BBC 9410, 6915, NHK 9605, Cuba 15230, Malaysia 11900, RSA 11900, Korea 9525, KGEI 9615, HCJB 15300, SBC 11775, Budapest 17715, Praha 11855, Finland 17785, TWR Bonaire 9570, VOA 9640, Spain 11910, Pakistan 15110 and Cook Islands 5045. Good, and all the best with your new FRG-7.

ALEX WELLNER Sydney, NSW has sent 16 out with QSLs back from Finland 21495, Norway 9645, IBA 15100, SABC 4835, KTWR 17830, Penang 7295, DUH2 6170, Santa Fé 4965, RSA 17780, Rarotonga 5045 and Grenada 15105 for country 85.

JOHN ALLCHIN Auckland, has QSL'd Baghdad 9745, Cook Islands 5045, and AIR 11740 after a 13 month wait.

TIM McSWEENEY Mount Isa, Queensland has sent 10 out and verified RBI 17780, Port Moresby 4890, NHK 15195, 15270 and 17795.

IAN HITCHINER Auckland, has sent 8 out since March and has QSL'd NHK 15105 and RSA 17780. Hopefully more next month Ian!

CECIL SYMMES Wellington, has heard from KTWR 9640, UN 11900, Grenada 15105, Israel 11655 and Yugoslavia 15240. Thanks Cecil.

JACK FARROW Lower Hutt, has 5 out and QSLs back from HCJB 15300, RSA 17880 and Vatican 11705.

JIM BENZONI Hamilton, with 2 reports in the mail has QSL'd Helsinki 17785, IBA 11655, Prague 11990, RA Shepparton 21455 and RA Shepparton 21680. Frequencies are generally announced at sign on Jim and those two Russians could be any of a number of frequencies. The latter is probably 17815.

BRYAN CLARK Wellington, has verified Nairobi 4934, Radio 5 3320, AFRTS Bethany 21500, DW Montserrat 6145, Radio Moscow via Alma Ata 17850, Tbilisi 11755, Tallinn 17700, Frunze 17825, SODRE Uruguay 9515 and a BBC World Radio Club pennant won after 11 years as a member. At last! A very successful DXpedition!

MICHAEL BRYNE Charters Towers, Queensland has had a successful month with replies from Cairo 17920, FEBC 21515, Tirana 9500, VOF 17890, Finland 17785, Budapest 15160, RFI 15425, Singapore 11940, RNE Spain 11910, RBI 21540, Saudi Arabia 21500, NHK 17880, DUH2 Philippines 6170, ORF 17710, and RFE 21655 and 21720.

IAN CATTERMOLE Blenheim, has his usual long list with Rome 11765, RNZ 11800, Peking 15520, RFI 11735, Moscow 9760, 7130, 7195, 15185, 15460, 21505, 17730, 17765, Sarawak 6060, RN Bonaire 17810, Lisbon 21700, FEBA 11840, RCI 11945, RBI 21540, Oslo 9605, KGEI 15280, RA 21680, 9600, Singapore 11940, VOA Kavala 9770, 7270, 5955, Tashkent 6030, FEN Tokyo 3910, WINB 15185, VOA Philippines 15345, SBC 11780, Chad 4904.5, Tupi 11765, El Mundo 6120 and a good one from El Espectador, Uruguay 11835.

JOHN DURHAM Meremere, has a very good list of QSLs - Israel 7412, ELWA 3227, 11835, RSA 21535, 4990, TWR Manzini 9730, Abidjan 4940 (good!), Yerevan 4990, HRVC 4820, WYFR 11780, KTWR 15175, ORU 11735, Helsinki 17785, NHK 17795, RN Talata 17815, Bonaire 21640, Seoul 9580, Berne 9685, ERT 9760, Liberty 21455, Caltanissetta 6060, Sweden 15125, ORF 17710, FEBA 11865, Kenya 4934, HCJB 6160, and Radio Moscow via Tula 7195, 9635, Riga 15220, Omsk 15150, Vinnitsa 7130, Baku 11920, Moscow 9745, 7280, Chita 15385

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JOHN DURHAM continued Armavir 7205, 11710, Khabarovsk 7175, 17870, Ryazan 5980, Simferopol 7105, Kiev 6020, Tbilisi 11755 and Frunze 17825. Good to hear from you John!

BILL JOLLY Kawerau, has 5 in the mail and returns from France 15200, RA 15160, Sweden 15125, RNZ 11800, 15380, Peking 15270, VOA Monrovia 17870 & RN Madagascar 15220. Hope all is well Bill!

BILL HUDDLESTON Auckland, has sent 15 out in the past month and QSL'd Budapest 21525, DW Kigali 21540, RBI 21530 with pennant and first day covers, SBC 21520, Moscow 17870, 7200, RN Madagascar 15380, Springbok Radio 4810, Moscow via Kenga 9765, IBRA Malta 5990 with pennant, Finland 17840, and RA Shepparton 11775. Thanks Bill - more pennants!

RAY BABBAGE Wellington, has sent 12 out in the past few months - let us know when they start coming back Ray!

CRAIG STRATHERN Timaru, has one out and one in from Praha 6055.

BARRY WILLIAMS Auckland, has 10 out but is still awaiting replies - phasing down your 'Russian assault'?

DES DAVEY Te Kuiti, has 5 out and verifies to hand from Yugoslavia 15240, NHK 17880, 15235, 15195, RA 21455 & 15240. Bryan Clark says Chile has been heard on 15115, 15130 and 15150 as early as 2200 with EE at 0000, 0130, & 0330. Address is P.O. Box 244V, Santiago. Good luck with other pursuits Des!

DENE LYNNEBERG Titahi Bay, has been very active with 51 reports out and QSLs in from Norway 17840, Israel 21500, Vilnius via Khabarovsk 15100, KTWR 17830, Krasnoyarsk 11940, Khabarovsk 7175, Red Cross 7210 and BBC Crowborough 5975.

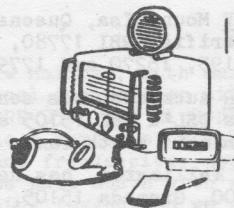
PAUL EDWARDS Wellington, has verified Laos 7145 (good!), Tanzania 4785, Tallinn 17700 & Alma Ata 17850. Followups well worth it! Too much work to make Matata this time. Have advised MN. How about the end of the year!?

RON JAMES Wellington, has a large list - RA Shepparton 11855, 11705, 17725, Carnarvon 17745, 6005, AWR Sri Lanka 15425, Liberty 21655, RNZ 11800, 9620, WINB 17775, 15340, Stockholm 21555, RN 11740, 15235, 17700, HCJB 6160, 15405, Vatican 9645, 9615, BBC 15260, Peking 11695, RNE 11810, 11815, KTWR 17855, YLE 17785, ORU 21460, P2T4 4890, RN Bonaire 17810, RM Frunze 11820, RM 9550, 11720, 11730, 11770, 12050, 15420, 17820, Sana'a 4853 (good!), Amman 11920, Tanzania 4785, WYFR 11725, VOA Bethany 21485 bringing up 102 countries. Very good Ron, and do you have a verification signer for Sana'a?

OUR MAILBAG OVERFLOWS TO PAGE 19!

SHORTWAVE BANDWATCH

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Coordinated by Barry Williams

What a month ! 21 contributors and some fantastic loggings . Sao Tome 4807 , Lesotho 4800 , Bhutan 4691 , Rhodesia 2335 , Angola 3375 , Galapagos 4810 , Uganda testing 9730 , Maldives 4754 , Paraguay 6025 , Nigeria 5965 , AFAN 6012 and numerous Latins from 120 metres up . The DX'pedition made by several members to Whakatane and Te Araroa produced some great loggings and has warranted a special page . Not far behind was Ray Crawford at Tiwai and Dene Lynneburg and Paul Edwards in Wellington . Other contributors have been hearing good DX on all bands . Keep this up and we are in for a great winters DXing .

TIMES IN GMT . (Add 12 hours for New Zealand Standard Time .) Frequency in khz .

FREQ	TIME	COUNTRY	STATION	PROGRAM AND RECEPTION DETAILS	INITS
3220	0955	Papua NG	Radio Morobe	poor with news	CS
3230	1857	SOUTH AFRICA	Radio RSA	EE & FF idents to s/on FF at 1859	BC
3230	0438	PERU	Radio es Sol de los Andes	, Also ID "Radio V" . Many adverts and IDs to s/off 0505 . Peruvian music .	PE DL
3265	0940	INDONESIA	RRI Gorontalo	.News in II . Many local IDs . Good	DL
3300	0540	PERU	Ondas del Huallaga	good signal with ID 0610	RC
3305	1000	PAPUA NG	Western Highlands Radio	.Poor with news in pidgin	CS
3322	1204	PAPUA NG	,Nth.Solomons	good with request session .	PR
3335	0900	BRAZIL	R.Cl. da Conquista	good with typical Brazilian program	EDL
3365	0931	BRAZIL	R.Cultura de Araracuara	. Breakfast session with roosters in background . A good signal .	PE DL
3380	1124	ECUADOR	R.Iris	.Excellent with Latin music program .	PE
3385	0945	PAPUA NG	,Radio East New Britain	.Station ID in Pidgin	CS
3395	1040	VENEZUELA	R.Universidad	with a good signal	RC
3411	1000	BRAZIL	R Educadora de 6 Agosto	or Radio Xapuri fair at s/on	RCDLPE
3515	1018	ECUADOR	R.Centro	very poor with LA vocals . Tentative log.	PE
3890	1300	NORTH KOREA	Pyongyang	.Good with EE commentary .	PG
3910	1005	JAPAN	FEN Tokyo	EE news . Typical AFRTS program .	CS PG
3989	1700	CYPRUS	BBC	good with EE World Service	BW
4115	1400	NORTH KOREA	" Voice of Rvolutionary Party	for Reunification . Half hour propaganda in EE . // 1135 khz . Announces 4120 khz	DL
4415	0350	BOLIVIA	Unidentified .	(Any help John Campbell ?)	RC
4750	1930	CAMEROUNS	R.Bertous	fair in FF till past 2000	DL
4754	1515	MALDIVE IS.	R.Maldives	fair with gospel program . Poorly modulated . (X 4740 khz)	DL
4760	Lo53	PAPUA NG	NBC (ex 4890 khz)	with usual program and adverts . (Where have they moved to now ? 7/6 not on 4760 or 4890 khz EE .)	DL PE
4770	1000	VENEZUELA	R.Bolivar	fair - good but het. on frequency .	RC
4775	0345	CLOMBIA	Em.Kennedy	fair at s/off varies 0355-0410 .	RC
4775	1300	AFGHANISTAN	Kabul " Radio Afghanistan "	Good with EE News 1400	
4780	0217	USSR	Petrozavodsk	good on long path reception but soon faded./AC Heard from 1755 when Jibouti faded out . Local program to 1900 . Severe het. and QRM on frequency . Best on USB .	BH PE BW
4795	0458	ECUADOR	Voz de las Caras	Fair is SS with full ID .	BC
4795	1120	BOLIVIA	R.Nueva America	with a very good signal .	RC
4797			Hrd 1042	announcing new frequency 840 khz MW . Very good copy	DL

STOP PRESS: Port Moresby was back on 4890 at 2000 GMT 9/6 BC On 4992.5kHz measured 4/6 0515-0532 assumed Lusaka with EE ident "This is the Zambian Radio" at 0526. Popular hospital requests, poor. JS

FREQ	TIME	COUNTRY	STATION	PROGRAM & RECEPTION DETAILS	INITIALS
4800	0453	LESOTHO	R.Lesotho	heard in clear with hymns and BBC news at 0500 . Poor .4/6 . Ecuador back on 4801 khz 5/6 . (Congrats)	BC
4807	1950	SAO TOME	PP talk and music to 2021	tune out . poor . Hrd 2050 weak on 4/6 only (PE) Hrd 1830 with stat.ID ; Also hrd with very weak sig s/on at 0530 . BW	JM
4810	0358	GALAPAGOS IS.	HCVG8	Voz de Galapagos . Fair with numerous IDs . s/off 0410 following Seagull Interval signal and Anthemn .	BC
4810	0402	VENEZUELA	R.Popular	fair at sign off at this time .	RC
4815	0500	COLOMBIA	R.Guatapuri	.fair at s/off .	RC
4815	0820	BRAZIL	R.Dif.Londrina	Gd with PP variety program	DL PE
4825	0345	PERU	La Voz de la Selva	Good sig with s/off 0500 . Many IDs	DL PE
4825	0600	MALI	s/on with IDs in FF	. Fair signal .	DL
4845	0350	COLOMBIA	R.Bucaramanga	Fair with old songs to 0400 s/off	DL
4850	0839	SURINAM	SRS	very good to 1000 . II DD and Hindi . JS . Good	DL
4850	0513	CAMEROUN	Yaounde	good with news in EE PE : Peaks at 0510	JS
4850.8	0415	ECUADOR	Ondas del Zamora	Good in SS with Ecuadorian music requests	
4875	0240	BRAZIL	R.Jornal do Brasil	Very good with many EE songs after 0330	DL
4885	0420	PERU	R.Huancavelica	good at this time then covered by Ondas del Meta who signs at 0500 .	DL
4902	1930	SRI LANKA	Colombo	strong signal with what seemed like religious chants .On late Tues 23rd till well after 1930 .	RC
4905	0130	BRASIL	R.Religio Federal	Good with local PP program to s/off 0300 with full ID.	BW
4925	0221	BRASIL	R.dif.do Taubate	good with frequent IDs in music prog.	PEDL
4930	0550	DOMINICAN REP.	R.Mil	fair to s/off 0557	PEDL
4935	0730	BRASIL	R.Capixaba	good at s/off .	RC
4934	1725	KENYA	Voice of Kenya	fair to good in Swahili , local music	RC
4958	1910	USSR	AZERBAIJAN R.Baku	, good with local music prog. ID 1930	BH
4960	0240	ECUADOR	R.Federacion	.Light music . 0303 s/off full ID anthemn	DL
4960	1018	VENEZUELA	R.Sucre	good in SS . Other Venezuelans heard around same time 4800, 4870, 4940, 4970, 4980, 4990 & 5030 khz .	DL
4965	0231	Brasil	R.Poti	good with PP music prog. ID 0240 . Hrd to 0310	BC
4972	0510	CAMEROUN	Yaounde	fair in EE . // 4850 khz	DL
4980	0452	SWAZILAND	Swazi Music Radio	.Regular with progressive Rock . English advertisements .	PE RC
4996	0530	PERU	R.Adina	good with local music program	BC
5010	1000	COLOMBIA	R.Surcolombiana	hrd to s/on 21/5	RC
5010	1510	SINGAPORE	R.Singapore	fair in EE with late s/off 1700 20/5	RC
5015	0535	BRASIL	R.Cultura	all night 4/6 good with popular music .PP IDs	JMc BC
5025	1143	PERU	R.Quillabamba	fair in Quecha to past 1220 .	BC
5025	0600	ECUADOR	R.Splendit	fair signal . Also heard at 1000 .	PE DL
5030	1000	VENEZUELA	R.Continente	s/on Sundays .Hrd 0945 CS	RC PE
5035	0910	BRASIL	R.Aparacida	. Fair at s/on 0855 with Anthemn	RC
5040	0912	VENEZUELA	R.Maturin	fair sig with s/on announcements	RC
5885	1500	INDONESIA	RRI Pekanbaru	good with ID . II news and music	RC
5955	0345	GERMAN DEM.REP.	RBI	Good in EE // 6080 khz	BH
5955	0750	BRASIL	R.Gazeta	fair signal . Teletype QRM	RC
5960	0409	CANADA	R.Canada International	fair in EE news .	RC
5965	0430	NIGERIA	Jos	opens in EE but blocked 0445 by TWR Monte Carlo	JA
5985	0430	USA WYFR	fair with EE Rel.prog. JM ; JA ; s/off 0500	BL	AC
5990	0500	FRANCE RFI	IS	then ID and frequencies in FF	BL
6000	0415	Hungary	R.Budapest	fair in EE	CS
6005	1530	JAPAN JOZ2	EE program with commercials . //9595 khz		JA BH

<u>FREQ</u>	<u>TIME</u>	<u>COUNTRY</u>	<u>STATION</u>	<u>PROGRAM & RECEPTION DETAILS</u>	
6015	0430	AUSTRIA	Austria R.	Fair in EE	
6025	1024	PARAGUAY	R.Nacional	poor in SS with frequent IDs . Heard on rhombic beamed 135 degrees . All other antennas had an Asian PHILIPPINES FEBC HS prog. local IDs and news just above AFRTS	BL PE PE
6031	1030	ANTINGUA	DW.	fair in EE s/off 0550 . ID " This is Radio Deutsche Welle Carribean Relay Station " .Fair Signal	SE
6040	0550	GERMAN DEM.REP.	RBI	Poor in SS with news	CS
6040	0135	COLOMBIA	La Voz del Centro	SS records .	RC
6095	0820	PAKISTAN	R.Pakistan	causing het on 6115 . ID at 2100	BC
6113.5	2000	ARGENTINA	R.El Mundo	always a good signal	RC
6120	0820	BRASIL	R.Nacional	fair with some splash from 6130 khz	RC
6125	0830	ECUADOR	HGJB	FAIR in EE	JA
6135	0730	BRASIL	R.Gaucha	full ID 0830 . Excellent signal	RC
6135	0830	CHILE	R.Univesidad da Concepcion	.Full EE ID asking for letters and offering pennants etc then SS program . Korean also on 6135	PE
6135	1102	AUSTRIA	R.Austria	good with EE news. X to Africa & Europe	BW
6155	1830	COLOMBIA	R.Succeso (X Neuvo Granada)	Excellent with pop Mx.	DL
6160	0741	MEXICO	La Voz de America Latina	.Details of Miss Mexico contest	RC
6165	1150	BRASIL	R.Guarani	good with many commercials	RC
6175	0820	ARGENTINA	R.Nacional	Mendoza Fair- good	RC
6180	1100	ANTIGUA	BBC	s/on in EE . Also here this time R. R.Continental	RC
6195	0900	GERMAN FED.	REP. DW	good in EE to Africa	RC
7130	2100	POLAND	Warsaw	good in EE to USA . News ,music and comments	BW
7145	0300	VATICAN		Good with usual religious program in EE .	BH
7250	2030	POLAND	Warsaw	poor in EE to North America .	BW
7270	0300	ALBANIA	R.Tirana	good with usual propaganda in EE .	GW
7300	0329	USSR	R.Moscow	good with EE to GB&I . // 7390 khz	PR
7310	1935	GT.BRITAIN	BBC	News EE poor CS ; 1945 EE very good	PR
9410	0005	EGYPT	Cairo	Good in EE to North America	PR
9475	0230	USSR	R.Moscow	EE to Africa // 11950 & 12010 khz	GW
9480	2012	INDIA	AIR	General Overseas Service Good EE // 9535 khz poor	PR
9525	2100	SWITZERLAND	SBC	fair with EE Panorama program .	BW
9560	0700	RUMANIA	Bucharest	Excellent in EE to NA	CS
9565	0400	PORTUGAL	Lisbon	PP & music to fade 0039 . Lisbon Ex. on 9635	GW
9620	0024	VATICAN	s/on	but severe QRN	JM
9645	0630	SEYCHELLES	FEBA	EE ID then unidentified lang. Fair	PG
9650	0315	JAPAN	NHK	Poor in EE to SE Asia then Malay from 1145	JA
9675	1115	BELGIUM	Brussels	Fair EE news JF ; Good BL ;	JMc
9685	0015	DENMARK	R.Denmark	Carrier tone , IS and EE ID . Danish .	
9710	2055	UGANDA	External Svce.	Uganda BC Corp. EE ident and news . s/off 2100 Mon,Wed,Fri,Sun. only . fair signal	JM
9730	2028	ISRAEL	Israel R.	End of EE trans. Gave full EE sched /freqs	BC
9815	2030	CHINA	R.Peking	fair- good in EE	BW
11302	2040	USSR	R.Moscow	good with EE news and commentary	JS
11715	0215	Hrd	0134	EE to NA // 11730 ,11750 khz	CS
11720	0830	AUSTRALIA	RA	Very good with EE news in Pacific service	PR
11740	0830	PHILIPPINES	FEBC	Good with EE Rel prog. & news . BH ; 0830 good	PG
11765	0930	SWITZERLAND	SBC	SSB sig. bad QRM BL ; s/on EE upper SB poor	JA
11780	0145	0708		very good in EE HC ; 0900 Guam ETWR mixed SBC fair copy	BL
11790	2300	LITHUANIA	SSR	fair with EE to USA . News , music and comment	AC
11800	2300	FINLAND	Helsinki	good in EE to NA . AC ; fair // 15265 khz	BH
11840	2140	SPAIN	RNE	EE news good signal	JM
11875	0930	JAPAN	NHK	fair with EE news .	PR
11880	2330	ARGENTINA	RSplendid	. Sports interview . ID " R.Football Splendid" 0000 relay R.Nacional	JA
11900	0500	SOUTH AFRICA	RSA	news in FF JF ; Also heard well	DL
11950	2245	SAUDI ARABIA	FROM Diriyva	50KW fair in AA . Splash Lebanon	BL
					DL

FREQ	TIME	COUNTRY	STATION	PROGRAM & RECEPTION DETAILS	INITIALS
11965	0230	LEBANON	Beruit	s/on EE . 0300 into SS . trans to NA, ex 11825 khz Good with news followed by popular music . (Many reporters)	
11965	1230	KOREA	Seoul	news in EE . Heard to 1300 .	AC
11990	0300	CZECHOSLOVAKIA	Prague	good in EE // 9630, 9540, 9530 & 7345 khz SS at 0430 VG Station ID 0436 CS ; Hrd SS with good signal .	GW SF
12040	0032	USSR	R.Moscow	EE to NA // 11960, 11845 khz	PR
12065	2300	LITHUANIA	R.Vilnius	Good with EE on Saturdays	BL
12450	0900	CHINA	R.Peking	Good with EE commentary	PG
15110	2320	INDIA	AIR	New frequency in GOS in EE . Fair	JM
15115	1200	UZBEK SSR	R.Tashkent	Ex.sig in EE . // 15460, 11925, 11730 khz	PG
15155	1738	MOROCCO	Rabat	Poor in AA service . New frequency .	JM
15205	2300	INDIA	AIR	Fair with news in EE .	JA
15385	0200	MEXICO	XERMX	News in SS . Talks .	DD
17630	0638	ISRAEL	Jerusalem	Poor in Hebrew . News 0700 .	JM
17685	2255	ISRAEL	Jerusalem	EE to 2300 then ID . Into unident. lang.	CS
17700	0700	HOLLAND	RN	fair in EE to 0720 s/off	JMc
17710	0300	NEW ZEALAND	RNZ	Fair in EE with music and poetry .	HC
17755	0100	JAPAN	NHK JJ 0130	EE to NA . new frequency	JM
17762	0050	LEBANON	Beruit	ID 0062 . s/off 0055 poor over AFRTS .	CS
17765	0918	USSR	R.Moscow	Good in EE . " World Today "	CS
17770	0054	ITALY	RAI	Good with IF news CS ; It, SS, PP to IA good sig.	JS
17805	0142	USA	WYFR	SS Gospel program to 0200 s/off . ID . Good sig.	DL
17820	0615	USSR	R.Moscow	Poor in EE news .	CS
17840	0930	FINLAND	Helsinki	Good in EE to Far East GW ; Fair ex 17785 khz	JM
17875	0045	USA	WYFR	Good at s/off in GG .	JS
17890	2150	TAIWAN	Voice of Free China	. VG with EE commentary .	PG
17900	1700	VATICAN	Vatican R.	EE to Africa . Religious .	BH
17920	1236	EGYPT	Cairo	Good with EE news and program .	BH
18000	0415	Unidentified .		Strong with continuous music . No announcements . Followed for 45 minutes on 7/5	JS
21495	0533	ISRAEL	Jerusalem	IS , RR 0535 . Poor , JM ; 0405 // 21580, 21650 RR . all fair sigs . Jamming 0430 . BC	
21515	2340	PHILIPPINES	FBC	Good in EE with Popular music .	HC
21520	0900	SWITZERLAND	SBC	Poor in EE to Far East .	GW
21535	0630	JAPAN	NHK	Very good to Europe s/on Swedish , EE at 0800	BC
21610	2250	USA	VOA	Very good in EE . 2300 BREAKFAST SHOW .	HC
21615	1310	USSR	R.Atlantika	in RR . ID at 1317 and 1327 . Fair .	MB
21680	0439	AUSTRALIA	RA	Very good in EE . Popular music etc.	HC
21685	1957	MADAGASCAR	R.Ned.	FF for Africa . Fair to 2020	BC
21730	0240	PAKISTAN	R.Pakistan	Fair with EE news . s/off 0245	JMc
21735	2030	USSR	R.Moscow	IS and possibly CC program . Poor .	BC
21735	1120	MOROCCO	Rabat	AA service to fade out 1200 . New frequency	JM
25690	0907	PORTUGAL	R.Liberty	Good RR with news then political comment till jammed 0937 . 9/5 only	DL
26040	2000	USA	VOA Greenville	. Weak but regular . EE to Africa	BL
15175	0900	USSR	R.Moscow	EE to SE Asia // 11820 , 15415, 17765 & 18825	PR
15450	2005	USSR	R.Moscow	Goos EE to Africa	PR
15465	0441	USSR	R.Moscow	EE to Africa // 11710 , 9720 khz	PR
15490	2041	USSR	R.Moscow	EE to Africa Good	PR
17850	1009	USSR	R.Moscow	SE Asia service in EE 17815 , 15415 and 15500	PR
21600	0836	USSR	R.Moscow	EE to SE Asia Fair	PR

Contributor List appears on page 10, along with SW Best of Month winners.

STOP PRESS Further to the report for 9730 on page 18, you can hear a 'big daddy' of a signal from **UGANDA** testing to USA & Canada on 15325kHz between 0300 & 0400 GMT. EE and FF ids are hrd at excellent level, with s/on time variable between 0300 & 0330. JM/BC

The results of recent DX trips to Radio IXX Whakatane's old transmitting tower (besides the 187ft tower, various longwire/beverage antennae, including 300 metres S, 150 metres SW, 150 metres W and 90 & 60 metre dipoles to Africa) and Te Araroa (60 metre dipole, longwire/beverages 450m NE, 400m NNE, 250m W, 200m SW) by Barry Williams of Auckland (Drake R4A), John Campbell Newcastle NSW (B-W XCR30), Tony Marr of Wellington (Drake R4A), Bryan Clark (Drake SPR4), Jack Searle of Hawkes Bay (Yaesu FRG7 and B-W XCR30) and John Allchin of Auckland (Yaesu FRG7).

- 2335 Rhodesia in vernacs 1842-1923 f/out, poor-fair.
 2340 China Fuzhou mxd Kundiawa P-NG good 1036.
 2420 Brazil R. Caraja 0855-0911 26/5 fair in PP.
 2428 Radio New Ireland good by 0910, along with all other 120m P-NG's. 2376 was best.
 2442 Plenty of time trying to hear Israel & Falkland Is., but Glen Hauser on RCI 28/5 reports via IBA DX prgm that Galei Zahal off for yr.
 2450 Brazilian poor 0903, later hetting Papua-NG.
 2500 Latin here under WWVH - harmonic? Poor.
 3215 Indonesia RRI Ujung Padang vg copy 0923.
 3222 Togo Lama Kara fair, clear at s/on 0530 in FF.
 3235 Brazil R. Clube de Marilia (500w listed) good copy 0859. Bad het at 0935. Other Brazils on 3255 and 3365 at same time 26/5.
 3260 Niger likely Niamey the FF here 1818.
 3265 Indonesia RRI Bengkulu fair 0927.
 3300 Guatemala TGNA good at s/on SS 1200. Hymns.
 3316 Sierre Leone fair but not regular 0630.
 3320 South Africa Radio 5 regular with pops 1804.
 3331 Comoro State in FF 1705. Poor past 1800.
 3365 Brazil Radio Cultural hrd 0939-1000 26/5.
 3375 Angola Radio Nacional PP 0510 28/5 only. Seemed to be // 4820.
 3380 Malawi vg in vernacs 1645. Best for some time.
 3380 Ecuador Radio Iris fair with id, t/c 1138. Het.
 3396 Nigeria Kaduna poor 0445 local prgming.
 3396 Rhodesia Gwelo in EE 1800 not as gd as usual.
 3960 West Germany Radio Liberty in RR readable at 0310. No jammer audible. Only 75m audible.
 4691m Bhutan 1230-1330 Wednesday. Better at Whakatane. Local & western mx hrd.
 4765 Congo Brazzaville s/on in FF 0400 best ever hrd. Audible past 0600.
 4770 Liberia ELWA in EE 0645. Local nx 0655, BBC news relay 0700. Fair-good.
 4777 Gabon in FF 0440 fair, one day only.
 4780 Djibouti fair 1645 but bad QRM & het from co-channel Petrozavodsk. Hrd till USSR dominant at 1740. Russkie hrd past 2000.
 4807 Sao Tome Radio Nacional s/on 0530, fairly regular. Also hrd between 1803-1840, 1935-2005.
 4810 Galapagos hrd as early as 0200. Closing 0403 w/ 11800 Finland Helsinki fair in EE to Nth Am 2300-2330. seagull theme. Poor-fair at 1215 s/on in SS.
 4815 Upper Volta Ouagadougou fair in FF 0630.
 4820 Angola R. Nacional in clear after HRVC s/off at 0509. Appeared to s/on 0400 under Honduras.
 4843 Congo Pointe Noire hetting Botswana 0445, FF.
 4850 Cameroons with EE nx, exc 0505. 5010 // for nx.
 4850 Surinam SRS ran all night 26/5 at exc level. Hrd as early as 0300, mainly in Dutch.
 4865 Mozambique fair 1915 with PP sports cmtry past
 4870 Benin exc at 0410 s/on in FF. /2000.
 4871 Indonesia RRI Sorong good in Indonesian 0910.
 4900 Venezuela R. Juventud exc 1015 with ads, pops.
 4905 Brazil Relogio early f/in, past 0300. Vg after 0800.
 4926m Equatorial Guinea surely the abrupt s/on 0501 & indig.mx regular till f/out 0540. No anncts hrd!
 4932 Nigeria Benin poor-fair 0430 but regular.
 4934 Kenya Swahili svce vg 1945 till s/off 2010, anthem.
 4940 Ivory Coast vg from 0601 s/on with full FF ident.
 4952.5m Guinea Bissau seemed to be here 27/5 with FF 0640 past 0730 f/out. 'Radio Nacional' ident.
 4960 Ecuador R. Federacion orch mx 0235 to s/off 0302.
 4975 Colombia R. Ondas del Orteguezza good 0947.
 4976 Yemen Sanaa running parallel to 4853 1935 24/5.
 4980 Venezuela Ecos del Torbes good reception 0212. Before 0230 Latins weak-good on 4680, 4795, 4810, 4825, 4831, 4880, 4860, 4875, 4885, 4900, 4910, 4920, 4930, 4940, 4945, 4960, 4970, 5015, 5025, 5040, 5060 and 5095.
 4990 Nigeria Lagos s/on 0430 in EE, good.
 5038 Central African Empire Bangui daily s/on 0430 FF.
 5041 Guinea Bissau id 'Radio Nacional' 0715 good but QRM 5040 Latin. See also 4952.5 entry.
 5095 Colombia Radio Sutatenza good in SS 0337.
 6012 Antarctica AFAN McMurdo Sound exc 0613 27/5 with weather report for -21°C, -6°F and PSA's for drunken driving (too cold for that!) Still good 0800. Hrd again 2030 at fair level. Best ever.
 6070 Canada CFRX easy listening mx prgm, clear 0620.
 6100 Radio Yugoslavia fair in EE 1844.
 6115 Peru Radio Union "La Radio" 1127, 5mins of advts.
 6206 Libya SPLAJBC Tripoli with EE nx 1821 23/5. Off following ident & anthem at 1830.
 6550 Lebanon "Voix du Liban" ident 2000, vg FF & AA.
 9730 Uganda UBC International Service testing in EE to Eastern Europe at vg level 0400 past 0500. First hrd by Barry 24/5. Pop mx & EE ids asking for reports to Chief Engineer, Box 2038, Kampala.
 15400 Venezuela Radio Nacional de Venezuela with EE anncts 2240 then orchestrals. Into PP at 2255.
 21650 Israel IBA int.sig 2155 & s/on 2200 in FF, fair but but fading. //9435 good, 9815 fair, 11655 vg.

ARTHUR CUSHEN'S SHORTWAVE REVIEW 19

Further new frequencies are reported this month as stations move into their winter schedule. Radio Moscow has dropped their service to Australia and New Zealand and this now forms part of a expanded service to South East Asia. All times GMT. All frequencies kHz.

Argentina: Radio El Mundo heard on 6120kHz with its allnight broadcasts and best around 0500GMT.

Bolivia: CP161 Radio Stentor, La Paz heard on 6173kHz opening at 1100GMT, but announcing as 6125kHz. (John Campbell)

Bulgaria: Sofia 15330 English to North America 0000-0100GMT replacing 9707kHz. (John Mainland).

Denmark: Copenhagen 9710kHz heard from 20:5 to 2105 with interval signal English then Danish programme.

Finland: Helsinki 11800kHz in English to North America 2300-2330 also on 15265kHz. On 15270kHz heard in English 2130-2200 but mixed with VOA Tangiers. On 17840kHz used 0930-1000 to Australia and New Zealand replacing 17785kHz.

Germany: (East) RBI Berlin heard on 9620kHz at 2230GMT under Belgrade. 21465 now heard 0645 in English to the Far East also on 17700 and 17815kHz.

Guam: KTRW 11780kHz noted at 0900GMT mixed with Berne but after 0930 suffers continued interference.

Korea: Seoul KBS 15360kHz heard in Korean 0830-1000GMT. (John Mainland).

Lebanon: Beirut heard in English on 11965kHz 0230-0300, this frequency replacing 11825kHz. Noted on 17765 at 0100 in Spanish this channel suffers interference from AFRS.

Nigeria: Jos heard on 5965 opening 0430 but blocked by PWR Monte Carlo 0445-0515 in German then in the clear and heard till around 0600GMT.

Philippines: 15290kHz carried VOA to Oceania 2200-2400 but was scheduled to move to 15285kHz. 15365 operates 1100-1500 to Oceania and this frequency replaces 15345kHz.

Romania: Bucharest in Romanian 2300-2400 on 15255kHz. In English to North America 0400-0430 on 11705 and 11840kHz. (John Mainland)

Sweden: Stockholm in English to North America 2300-2330 on 15205 replacing 11800kHz, but the new frequency blocked by Radio Australia.

Switzerland: Berne received with good signal on 21585 in German to closing at 2245GMT.

Turkey: Ankara opens 0355 on 9665, 9515 and 7170kHz.

U.S.A.: KGEI, San Francisco uses 9530 in Russian at 1200GMT; 9555 with Japanese 0800 and Russian 0900; 9580 English 1000 and Chinese 1100GMT. WYFR Oakland on 5985 to 0500; 15390 in Spanish at 0100 and 21525 in English to 2100GMT.

U.S.S.R.: Moscow has cancelled its service to Australia and New Zealand and now opens at 0800 in English to South-East Asia and uses several frequencies including 15130, 15175 mixed with Oslo to 0830, and 15415kHz.

SW MAILBAG continued

PHILIP HAMLIN Tauranga has QSL'd Malaysia 15295, DRF 9765, Bangladesh 15400 and Bucharest 11735, 11940. RCN is Radio Cadena Nacional, a major network/chain of Colombian stations. Perhaps you heard their HJKJ on 6160, one of the better signals.

STEVEN GREENYER Invercargill has veries from Radio Five 3320 & Casino 5954.

GAVIN WATERS Wellington advises 2 out and QSLs from Bucharest 17785, 15335, Singapore 11940 (cntry 55). Gavin would like to hear from anyone who has modified their PRG7 such as per Sanserino, etc. His address: 139 Ohariu Road, Johnsonville, Wellington 4.

PAUL ORMANDY Oamaru has veries from Liberty 21455, 21745, RFE 21720, 21665, RAI 21690, HCJB 11840, 9645, Sabah 4968.

..sign off..

BBC SINGAPORE is only 15km from the former Tebrau, Malaysia site. Kranji already has 2 transmitters in operation. Since 1975 the 14 hectare swamp-land site has been filled to raise it's level by about 1 metre and at one point 800 lorryloads of soil were being tipped into the swamp each day by local contractors. Even so, because of the swamp, the actual relay station transmitter house has been built on piles and some of the aerial support towers are actually in the sea. This new SW relay station will transmit the BBC World Service in English and Asian languages to the same area served by the present Far Eastern Station. The work will, it is hoped, be completed by Spring 1979, when all transmitters will transferred from Tebrau to Kranji in an orderly fashion so as no loss of broadcasting is incurred. Buildings and masts are completed and half the aerals are finished. Barracrough WDXC via NASWA Listeners Ntbk 5/78

RADIO EXTERIOR DE ESPAÑA, P.O. Box 150.039, Madrid advises "We are sorry to tell you that due to the recent change in our identification as Spanish National Radio, we are preparing a new pennant & other printed matters, including the QSL cards. We hope that in the near future we will satisfy your legitimate desire." Jack Searle

RADIO NEDERLAND will begin using satellite links to it's relay transmitters on 1 July. This means the station will no longer need to make feature prgms like "DX Jukebox" 3 weeks in advance. SCDXers.

YENED GREECE operates with 5kw on 6045kHz 0345-1200 (0100 Sundays). Address for reports is Public Relations Office, 136 Messoghion Avenue, Hollargos, Athens, Greece. K.Larsson SRK 4/78

market square

FOR SALE: Lafayette HA310 1 watt hand-held CB transceivers with channels 2, 4, 6 & schematics, etc. Cost \$149; selling for \$75.

6 ft helical CB antenna with base - \$16

3 ft gutter grip helical CB antenna & base - \$12

"Alpha SDH-7" 8ohm headphones mono/stereo \$7

"Coral" E55 8ohm headphones mono/stereo - \$13

Enquiries to Leigh Morris, 14 Kettle Avenue, Palmerston North. Telephone 79-587.

VOA has decided to mothball the Bethany & Dixon transmitting stations and switch to satellite prgm feeds to the relay stations. VOA is adding 12 new transmitters by 1980-81, 4 each in England, Liberia and Philippines. via Hauser Listeners Ntbk NASWA

MALAWI MBC noted at 0400 GMT 11/5 on 5995; likely the 100kw tx. 3380 ///. Colin Miller.

NEW ZEALAND RADIO DX LEAGUE

ADMINISTRATIVE OFFICE

P.O.Box 1313, INVERCARGILL

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

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MOSCOW QSLs According to Mrs O.Sergeeva of the Australian Section Letters Dept of Radio Moscow - "we indicate transmitter sites on our QSL cards only at the request of our listeners". Jack Searle

THE VOICE OF PEACE, broadcasting from International waters in the Mediteranean, had intended closing down 28/2 following an IBA Survey claiming the station had very few listeners and resultant withdrawal of advertising support. Abie Nathan, owner of the Peace Ship, made a last minute appeal for listeners to meet in a Tel Aviv square. 60,000 people turned up, advertising flooded in, and the Voice of Peace remained on the air. So far the station has raised more than £2 million for worldwide charities. Tests on 6250kHz SW are in parallel to 1538kHz medium wave. SCDXers 2/5.

BELGIUM's current EE sked is 1615-1700 on 15250(250kw) and 11940(100kw) for Africa. DX Corner is aired on 2nd & 4th Sunday of the month. 0015-0100 on 6080 to North America & 9685 to South America. DX Corner dates as above. Address for reports is BRT, P.B.26, B.1000 Brussels, Belgium. BC

RADIO MOSCOW is reported to be relayed by Havana Cuba at 2315 in EE, into SS at 2330. Frequencies are 7150,7215,7400,7410,9610,11790 and 15100kHz.

Orloff via NASWA Update 5/78

THAILAND's External Service broadcasts in EE on 9655 (100kw) and 11905kHz(50kw) at 2330-0155, 0415-0515 and 1055-1155hrs GMT. Best bet for reception in NZ is the 1055 GMT transmission. SCDXers 21/3.

RHODESIA The Voice of Free Africa broadcasts in PP are now noted on SW 5016kHz at 1830-1930. The 1002 kHz MW frequency formerly used now carries RBC's new Radio Three prgm, with news at 1745. Colin Miller RSA