



# NEW ZEALAND DX TIMES

Registered at P.O.H.Q. Wellington as a magazine

VOLUME 28 No. 10

JUNE 1976

## N.Z. BACK ON SHORTWAVE

A dramatic about-face has resulted in the return of Radio New Zealand to shortwave broadcasting after a month off the air. The following press statement was released on 1 June:

"The Minister of Broadcasting, the Hon. Hugh Templeton announced today that the Government had agreed to Radio NZ's proposal to reactivate its external service transmitters. The Government had reviewed the situation in the light of representations for direct shortwave broadcasts from listeners in the Pacific, Australia and Antarctica, and the need to retain a SW frequency.

The service, Mr Templeton said, would restart on 5 June with rebroadcasts of the National Programme, including the broadcast of the Rugby Test with Ireland. Broadcasting of this kind would be of particular interest to shortwave listeners in Tonga, Fiji and Western Samoa. There would be a tour later in the year from Western Samoa and this too would attract considerable attention.

Mr Templeton said that Radio NZ had suggested rebroadcasting the National Programme as a means of providing direct broadcast contact at less cost than the telex and taped services previously approved. The Government had agreed to the use of funds from the Ministry of Foreign Affairs as this would provide a NZ broadcast service of considerable interest to the Pacific Islands and of particular use so far as news and current events were concerned to the Island communities with which NZ had special relations. The National Programme was of course carrying programmes of interest to the Island communities, including news in Samoan (0555 GMT Mondays) and Cook Islands/Maori (0555 Thur.)

Mr Templeton emphasised his own pleasure at the decision which would enable broadcasting contact to be maintained with New Zealanders in the South Pacific, with the scientific staff in Antarctica, as well as with listeners in other parts of the world."

While it's difficult to gauge the extent to which our protests were instrumental in bringing about this dramatic reversal by government, it is not unreasonable to believe that the many letters from SWLs and DXers to the Ministers of Foreign Affairs and Broadcasting played their part. Worldwide publicity was given to the closure through DX programmes and clubs. Special thanks must go to Keith Glover and Radio Australia for their immediate & international coverage of the closure. Thanks too, to those overseas clubs, especially NASWA, which took up our call for letters of protest. Cont.P19

### RADIO NZ's CURRENT SKED

(subject to change)  
To the Pacific on 6105kHz  
1800-2000, 9655 1800-2200,  
11960 2015-0045, 15380kHz  
2230-0145, 11705kHz 0100-  
0500, 9585 0200-0700,  
6105kHz 0500-1030 s/off.  
To Australia on 6105kHz  
0730-1030hrs GMT. Note  
that both transmitters are  
on 6105kHz 0730 to 1030.

CLOSING DATE FOR NEXT ISSUE: 5pm MONDAY 5 JULY. DETAILS OF YOUR DX, QSL's, BEST-OF-MONTH ENTRIES TO P.O.BOX 2956, WELLINGTON, NEW ZEALAND. BEST OF DX!

FROM THE EDITOR.

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**FROM THE BRANCHES**

One of the branch notes was post-marked 11.30am on 11 June, 3 days after closing date & many other contributions arrived after 8/6. In future we will have to leave late arrivals unopened. BC

Machon Sweden 21690

SOUTHLAND The May meeting was held at Harry Searles with 12 present as well as visitors Keith Cook and Wellington Branch President Bruce Williams. Bruce outlined preparation and dispatch of the DX Times and answered questions. Correspondence included a letter from the Minister of Foreign Affairs re the closure of the Shortwave Service. A Branch progressive dinner was set down for 3 July. Next meeting will be held at Neville Henry's on Tuesday 22nd June. Competition Results. ECB Sutton Burtenshaw HJNW 1170 10kw. Rest of the World: Arthur Cushen Beromunster 1562 160kw. Merit: Sutton Burtenshaw HJNF 1200 10kw. SW to Wyn 350kw and Steven Greenyer Sierra Leone 3316 10kw.

NORTH OTAGO A meeting was held at the Listening Post on 27 May with 6 members and 1 visitor present. Business included selecting a date for the annual branch auction - 7.30pm on 17 July, and possibilities of setting up a new branch competition. An interval signal competition compiled by Paul Ormandy was held. Some members were quite baffled by most of the items but Ito knew enough to win with 22 correct, and Peter Grenfell was second. Next meeting is to be held at the Listening Post on 17 June.

WELLINGTON The May meeting was held at John Mainland's with 14 present. Ron Cundy was special guest. General business included reaction to the closedown of Radio NZ's External Service, a new system of presenting the Best-of-Month entries, and the results of a branch survey into medium wave QRM. Principal Offender turned out to be 2ZM. Bruce Williams spoke of his recent visit to Otago and Southland Branches. A highlight was his profile of a partially sighted BBC Home Service journalist Jane Finnis, whom he met in Invercargill. Competition Results: SW Junior to Paul Edwards with RNE Canary Is. 11800 and Ghana 3366 10kw. ECB Nth Am: Paul Rawdon KVOO 1170, Open: Philip Brooks VL2NI 1570 50 watts. Next meeting will be held at Daryl New's, 8a Chesney St, Avalon, Lower Hutt. Special guest speaker will be Jeff Haggett, who will tell us about the setting up of broadcasting services in Tonga and East Malaysia.

CANTERBURY The May meeting was held at Bruce Officer's on the 12th with 7 members present. A special welcome was given to National Secretary Ray Crawford, who was holidaying at Leithfield. Next meeting will be held at Lance & Gay Johnstons on Sunday 20 June at 8pm. Competitions: ECB - WBZ 1030 Bruce Officer, WVUV 1120 Peter Mott. SW Over 9 - Bucharest 17790 Austin Hadler and Peter Mott. Under 9 - BBC 3952 Austin Hadler.

WAIKATO-BAY OF PLENTY Next branch meeting is scheduled for 19 June at 11.30am. Due sickness and other engagements the last meeting at Mike Smiths did not eventuate. The high cost of petrol and the general economic situation are effecting branch activities. In an effort to maintain branch activity, a suitable listening post in the Rotorua area is under consideration.

**FROM HEADQUARTERS**

The League's Courtesy Programmes Secretary Steven Greenyer has been unsuccessful in his attempts to repeat previous special DX broadcasts from difficult-to-hear ABC stations. The ABC Manager for Queensland has advised that a special break from synchronisation of 4QB/4QO can not be undertaken, in part because of some costs involved and their present financial difficulties. In 1971 the ABC ran an extended broadcast from 4QO for the League, enabling loggings of a station which would otherwise not be specifically loggable due to co-channel synchronised 4QB. A request to ABC West Australia was also declined recently. If you have a suggestion for a DX Special broadcast, write to Steven at Box 1313, Invercargill.

FROM MAGCOM

COUNTRIES/POINTS LIST A third reprint will be printed shortly, and posted to recent new members in due course.

SW QSL editor Bene Lynneberg is overseas this month. Next edition in July.

# BROADCAST DX

with Bryan Clark

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Wowee! For those of us who chase the Latin Americans, it's been a bumper month! If only our struggling attempts at writing reception reports in Spanish were similarly rewarded. Highlights this month include reception from Honduras, Haiti, Belize, Nicaragua and a new Venezuelan on 1600kHz. Up till now listings have shown that Venezuela does not occupy the band above (or below?) 1500kHz.

David Ricquish and Craig Crawford have returned from a packed 6-week jaunt to the United States and Hawaii. News of their trip features elsewhere in this issue, but from Alan Roycroft the latest Hawaiian news is that both KCCN & KNDI will get new aerial towers soon which will probably reduce their signal towards NZ. Alan also commented that WXLE had closed down, but when your editor checked 1385kHz on 11 June, Canton Island was coming through as well as ever. Shades of the Marie Celeste or Flying Dutchman perhaps?

We've never had a DAYTIME Broadcast Trail before, but Robin Chambers may have started something with the first NZ logging of 2EA Sydney, 500 watts! His trail: 800 2EA with RR prgm, balalaika mx, etc at 0055. Just before 0100 a prgm summary followed by id "This is Radio 2EA, the Voice of Ethnic Australia" Signal only fair but good copy.

Robin comments further: On the Northwest beverage (450 metres), plus 300ft NNE longwire to the AE terminal, there are many Australians appearing during the daytime, including Melbourne stations and 3TR 1240 over 1XX, plus many NSW and Queensland stations.

Australian Community Radio Federation station 3CR has been testing on 840kHz, with regular broadcasts sked to commence on 3 July with hours 2030-2300, 0200-0300 and 0630-1100 daily. The non-commercial organisation has its studios at 1112 (rear) High Street, Armidale, Victoria 3743 and the 440 watt transmitter is located at the same site. Info per Ian Stanley ADKN & I. Rutenfelds via AC.

Finally some hot hints from the National Radio Clubs excellent "DX News": A new MW country is the Turks & Caicos Islands with 1500 watts on 1550kHz. On 1 May, Cesar Objio in the Dominican Republic observed them from 2300 to 0130. One million watter Radio Millon, San Jose, Costa Rica will soon be using 1560 kHz according to their US rep. Ron Schatz. Further info in April & May column. Radio Jumbo, Dominica is now on 545kHz ex 1150 with FF programming, says Ron Schatz. Worth watching around 1000 GMT later in the year for NZ reception.

ANDREW WHITE Christchurch has logged 3GL and QSL'd WGY, KNBR, KTWO, 2XW, 3XF and 4YQ. Thanks for regular notes.

PAUL RAWDON, Lower Hutt concentrates on SW for the winter but survives on QSLs from XEX 730, KVOO, KTWO, KOA and IBA 737. Back soon Paul?

DAVID RICQUISH Christchurch reports a successful DXpedition to ? with logs of KSFO 560, KLUB 570, KCLS 600, KHOW 630, KEOS 690, XETRA, KDWN, KBRT 740, KCBS, KOLO 920, KAFF 930, KHJ, KIQI 1010, KOFY 1050, KUPD 1060, KRLA, KIIS 1150, KCBQ 1170, KNBA 1190, KCBN 1230, KGFJ 1230, KSON 1240, KCUB 1290, KBET 1340, KGB, KRUX 1360, KRE 1400, KVON 1440, KEST 1450, KWUN 1480, KKRX 1500. A good location David! I've only QSL'd 6 of those from here, hi! A lone QSL, first NZ log for KNGS 620 but no doubt a few more "NZ firsts" above! Thanks for all the news.

ALEX WELLNER Sydney has them out to 2LT, ZB, 4RO, ZB, 1ZU, XI, 7EX, SD, 5PI and Singapore 790. QSLs from 7EX....

...2LT, 4RO, 2ZB, 1XI, 7EX & Singapore 790. PAUL ORMANDY Oamaru, another of our Latin fiends, has reported HJKC, Pakistan 580, Radio Vision 1260, YNX, Voz de las Antillas 1300, Malleco 1490, Pyongyang 849, Baghdad 1196, 7NT, Guatemala 1600, Petofi 1187, Bari 1115, Peace & Progress 1475, JOUF, Malacca 1005, Kuwait 1345 & WSM. Rewards from 7ZR, 4AT, QL, JK, 3XF, YB, GI, 2GB, LP, WWWE, KXEN 1010, KFRE, JOWF, Port Moresby 1250, Rhodes 1259, KTRH, Nice 1554, XEROK, KGB & KTWO. A very good month Paul! KMPS 1300 address is P.O. Box 24888, Seattle, Washington, 98124, USA. V/s is Chief Engineer.

ROSS CLARK Lower Hutt is our new contributor this month, with logs of 1XI, XX, ZM, 2BL, ZD, ZC, ZF, ZW, 3XA, ZA, ZB, ZM, 4ZA, ZB. Welcome Ross. QSLs coming soon? Please keep SW notes on separate paper.

ROBERT SCOTT Te Aroha is just back from a visit to New Caledonia. He took along a cassette tape of Radio Noumea & believe it or not, they didn't have a cassette recorder! Thanks for news Robert. Will write re your enquiries.



KEITH ROBINSON Kapuka has reports to Alleppy, Pakistan 1340, Tiruchi A, Doha 952, Jammu, Gorakhpur, Sharjah, Babylon, Diyabakir, DWRP, Raipur, Neumunster, Oman 1035, Vatican, Istanbul 1016, HLDA. QSLs from Vatican 1529, 3XF, KIOE, 5AA, 2XW.

PHIL BROOKS Wanganui has reported 2BL 2WN, 2BS, Norfolk Island 1570, KHVH, 3LO, 4BC, QD, 5SE, 6KG, 7NT, XERF. Veries from 7HT, Noumea 670, KORL 650, Norfolk 1570 (last 3 new countries), 2BL, WN, 4BC, QD, 3XF 1030 (QSL 100), 6KG, KHVH & a 50th Anniversary supplement & stickers from KOB. Sorry missed last month!

PHILIP HOPE Oamaru has verified CKWX, FJB, TXA, 2LM, OY, GB, WN, 3AR, 4RK, 7LA, NT, KNDI. Logs: 2CY, WN, Noumea 670, 7NT, Nth Korea 849, VOA Rhodes 1259, Baghdad 1196, TWR Monaco 1466. Thanks!

ARTHUR CUSHEN Invercargill has QSLs from 3XF and Beromunster 1562. Single report out to Multan 1033. Wheres that Arthur?

CRAIG CRAWFORD Christchurch, just back from the States, has veries in from 3XF test and 3XB test (QSL no.1). Are there any more of those Craig? Thanks for very interesting article. Doubtless some logs too?

NORM MAGUIRE Honolulu has reports out to HLDA, 3WV 590 (KGMB off for once!), KUMU, Fiji 560, 3NE 1600, 2RE 1560, 2JJ 1540. Follow-ups to Ponape, Sabah, Fiji 810. Verie in: 3WV. Thanks for papers Norm! Tuvalu 580 only, per QSL. Re 615 Feking with RR noted here 1700 last year. Ladder breakdown printed twice yearly, otherwise just 2 main totals.

IAN CATTERMOLE Blenheim, in his first contribution, advises reports out to 2CR, NR, BL, CY, GB, UE, GZ, KY, MO, UW, WG, CH, NZ, GF, MG, DU, SM, GN, WL, AY, NA, VM, JJ, RE, 3LO, BO, DB, LK, SR, AW, BA, NE, 4QR, QY, WK, BC, AK, MK, 5RM, DN, KA, 7NT, HT, LA, 6MD, XERF, KORL, KGMB, XEPRS, WVUV, WXLE, KFBK, VOA Bangkok 1580, Cooks 600, Fiji 1320, 710, Tahiti 740, 4Z Tonga, Rajkot 1070. QSLs from 2CR, BL, GB, Noumea 670, PJB, Norfolk 1570 and 19 locals. A solid start Ian! That Trio is doing a good job. Yanks are at their poorest this time of the year, but check 770, 1080, 1170, 1510 before Aussies fade in.

BOB BOUNDY Christchurch has a 4th log of La Voz de Cuba 590. hope you're well now Bob! New set sounds interesting.

DAVID FELDON Rotorua has logged 7NT and 2KTZC 600. Two veries 2WL, 4ZA. Thanks David.

LAURIE BOYER Invercargill has logged TWR Monaco 1466, DW 1570, 3UL, 2CH, 1XW, Sigatoka 930, 6GF, 6BS. Veries from 2AY 4QR, 6WN, Munich 1602, Quadvima 737, Abu Dhabi 728, Yavneh 656 and 1XW.

ROBIN CHAMBERS Opunake has QSLs from Ahwaz 1390, 7ZR, 4NA, Malacca 1160. Logs are HJKL 610, 2EA 800, Port-au-Prince 1330, Iran 770, YV-- Melodia 1600, HJLK, Delhi A 809, CMAN, 2RG, CMJL 742, Belize. Every month better than the last! Am writing. Thanks for solid support!

ALAN ROBSON Christchurch has QSLs in from Sutatenza 810, 3XF 1030, KXYZ & KNGS 620. Latter advised that reports from David Ricquish & Alan were their first from NZ. Great! Loggings soon?

BRUCE CAVANAGH Invercargill rests on his laurels with only QSLs in: 3CV, 2PK, KORL and 2LF.

GRAEME HAMMOND New Plymouth has recently logged 2WN, 4IP, 4BK, Fiji 640, KORL and QSL'd KING, 4IP, 4BK. Keep at it!

RAY CRAWFORD Invercargill has been out hunting for Latins. At Leithfield north of Christchurch, courtesy of Don Reed: WKVM 810, HJED 820, Union 880, Peru 854, America 1010, XEW 900, Rumbos 670, Gran Colombia 615, TIPJ 1225, HJEL 620, HJFZ: 1055, HJEW 1110, Campesina 605, Huancavilca 605, XEPOP 1490, Ecuador 805, Aeropuerto 1085, Belize 835. Tiwai logs: Colosal 1005, Melodia 1600, HJQD 1550, YVOZ 1200, Santa Fe 1070, Mersing 1055. Phew! Habla espanol? Ta.

BRYAN CLARK Wellington, also amongst the Latins, with reports to go to RCN Colombia 1030, Imperio 1490, Heroica 1170, Tequendama 770, HROD Aeropuerto 1084, Haiti-Inter 1330, YNX 750, Belize 834 & Colosal 1005. QSLs KMO 1360, 3XF and Monte Carlo 1466.

IAN WELLS, Milton, in between Varsity studies has reported WLAC, KING, KRLD, KTOM, PJB, Cooks 600, XESM, XECO, KOA, KEX, WVUV (another try), 4NA. Veries from KFBK, KXYZ (one of only 3 NZ reports in recent years!), KOMA, KPOL, 43Z, XEPRS, KVOO, WLAC, KRLD, Cooks 600. Good work!

ASH NALLAWALLA Dunedin (where are the other Otago boys these days?) reports 3LK & 6IX. QSLs in: KXEL, KTW0, WBZ, 2MO and 3LK. Still writing Ash. Regards. Sorry your Trail notes too late 9/6.

**BEST OF THE MONTH - OPEN SECTION**

KNGS Hanford, California 620kHz 1kw  
119pts - Alan Robson.

2nd: KXYZ Texas 1320 5kw - Ian Wells



# BROADCAST TRAIL

540 Tropicana & XEWA 0500.RCR.Unid SS s/off 0505.Tropicana exc 0515.RCh  
 550 CMAN //590,600 fair 0525-0550Many  
 600 Cuba fair in Cooks null 0533. BC  
 615 Emis.Gran Colombia off 0600. RCR  
 670 Radio Rumbos off 0500 mxd Noumea  
 675 Sonora,Costa Rica gd 0515.RCh/RCR  
 690 KKUA perfect over NZ 0650 3/5. RS  
 720 KUAL exc 0648,0752 on one occas."  
 730 XEX always good 0430. RCR  
 SS here very good 1015-1025. Rch  
 735 Melodia occasionally 0500. RCh  
 740 KTRH Nx,ident thru ABC 0900. BC  
 742 CMJL strong at times 1027-1035RCh  
 "...Radio Liberacion..la Habana."  
 750 YNX over HJDK 0511-0536 off. BC  
 "Estacion Equis" 0552 good. PO  
 765 Unid SS good 0510 9/5. RCh  
 770 Radio Tequendama id good 0421. BC  
 775 Weak Latin here 0508 6/6. BC  
 790 Sports cmtry in SS-Mex? 0521 29/5  
 805 Ecuadorean 0410-0500 21/5 who?RCR  
 810 WKVM Puerto Rico s/off 0500. RCR  
 820 WBAP or HJED 0500 take yr pickRCR  
 834 Belize fair 0431-0506 6/6.BC.Nx  
 0500,rlg then off 0510,12,13,18/5  
 850 HJKC exc 0533.PO.0930 exc RCh/RCR  
 880 Radio Union 0430 before 1YC s/on  
 at 0500 Mon-Thu. RCR  
 900 XEW 0430 before 4YC on as above."  
 910 KRIO very good pops 0640 20/5. BC  
 Radio Aeropuerto good 0440. RCh  
 945 Latin still peeping thru 0556. BC  
 950 KPRC very good 0443 w/oldies. BC  
 985 Spanish fair here 0550 19/5. RCh  
 990 XET good at 0530. RCR  
 1020 Margarita exc 0410 19/5. RCh  
 1030 "RCN la Radio de Colombia" 0501-  
 0720 now regular here.Who? BC  
 1055 La Voz del Centro exc 0530.RCR BC  
 1070 Santa Fe 0600 over 12B.RCR.Latin  
 thru 12B,not Santa Fe 0510 23/5BC  
 1084 Radio Aeropuerto,Honduras 0500  
 16/5.RCR.0649-0806 21/5 HROD. BC  
 1080 KRLD first Yank in, 0410 Sport.BC  
 1091 Unid SS 0533-0552 23/5.XEPRS loop  
 -ed.BC.Unids on 1080,1090,1110 at  
 0430, all in SS. RCh  
 1110 HJEW Reloj at 0540. RCR  
 1170 Voz de Heroica peaks vg 0520. BC  
 1188 SS fair 0420-0430 5/5.RCh. TGT.Ed  
 1190 Cordillera good 0525. RCh  
 1200 YVOZ Tiempo 0430-0700 quite gdRCR  
 1225 TIPJ Neuvo Victoria off 0500. RCR  
 1240 TGK Sensacion id 0450 fair. RCR  
 1252 Unid 0503"Voz de la Val..vaquer-  
 imas..", poor 18/5, 19/5.Who? RCh  
 1260 Venezuelan anthem 0400 7/6. BC  
 Radio Vision vg 0556.EE id 0604PO  
 1265 Paradise 0400 7/6,0500 Mondays,  
 0430. All night Mondays NZT.Wany

51295 Unid Latin off with anthem 0500.  
 1300 Voz de las Antillas 0455.BG.PO/RCh  
 1325 SS weak-fair 0505.RCh.Non-stop  
 Latin mx 0509-0606 when I gave up  
 in disgust.Quite regular. BC  
 1330 Haiti good in FF 0450-0500. RCh  
 4VJGD good to s/off 0500,FF id.BC  
 1370 FF 0400 till 0500 25/5.Haiti? RCR  
 1379 Colo Colo exc 0903.RCh(Het culprit)  
 1420 HJ..Caracol mxd NZ 0525-0535. RCh  
 1450 YV anthem strong 0352.Alegre? RCh  
 1475 SS here 0445, on 1495 at 0505.RCh  
 1490 XEPOP exc 0600 12/5. RCR  
 Radio Malleco,La Voz de Victoria  
 poor-fair 0535. PO  
 1525 R.Columbia s/off 0502.Also 1043RCh  
 1530 SSB anthem 0500 8/5 who? BC  
 1540 Latin thru Yank 0417. BC  
 1550 Reloj,Colombia good 0530. RCR  
 1600 Melodia,Venezuela YV.. 0440-0459  
 s/off good.Annct "Radio Melodia,  
 1600 kiloHertz en Caracas." RCh  
 0500-0630 Sundays,good signalsRCR  
 Voz de Guatemala,good,often0546PO

## MORNING

580 Islamabad fair.EE annct 1730. PO  
 737 Israel good 1820. RCh  
 740 Tahiti good after 1600 often. RS  
 770 Iran 1810-1840 fair, erratic. RCh  
 809 Delhi exc EE id,address 1830. RCh  
 810 FEN Tokyo always exc 1840,sportRS  
 849 Pyongyang exc 1648. PO  
 962 Algiers fair 2010 1/5. RCh  
 985 Radio Kermanshah,exc 1910 4/5.RCh  
 1005 Malacca,Malaysia good 1552. PO  
 1055 Malaysia here //1005 good 1200RCR  
 1188 Powerful Eastern type 1850 1/5RCh  
 1187 Petofi Radio mxd USSR? fair 1756  
 1196 Baghdad very good 1822. PO /PO  
 1220 WXLG? US prgmg 1818-1833 30/5RS  
 1286 Czech fair 1830 30/4. RCh  
 1304 Algeria in FF 1950-2007 1/5. RCh  
 1345 Kuwait good 1633.PO.good 1815.RCh  
 1475 Peace & Progress CC 1730 s/on. PO  
 Sabah good 1130.RCR.(Morning shift?)  
 1493 RR strong 1840.Also 1546 exc. RCh

THE CONTRIBUTORS: Robin Chambers, Ray Crawford, Paul Ormandy, Robert Scott & Bryan Clark.Some great quality chaps!

## CHATHAMS ROUND-UP Tony wagon

580 WIBW at 0457,620 WSUN at 0417.  
 730 Jamaica EE advt tentative 0415.  
 810 HJCY Sutatenza s/off 0400.  
 834 Belize from 0315 to s/off 0505  
 910 HJDO at 0337. 1075 TIEP s/off  
 Mons.0430.Other days 0400.EE.  
 1165 Surabaya with RRI relay 1500.  
 1265 Monalisa B.C.Jakarta 1332.  
 1000 ZNB clear 1400-1450 S..net.  
 820 DYRE s/off 1500. 900 LYRC 24hrs  
 620 KIPA in JJ 1500. 550 KMWI has  
 regular 1500. Peak id: FF 1530.

## PACIFIC ASIAN REPORT

LORD HOWE ISLAND Radio Lord Howe Island, 1490kHz with 12 watts is scheduled 0600-0800 GMT and 2000-2300 GMT. Local time is 1 hour behind NZT. See Feb. DX Times for station address. Tony Magon

NORFOLK ISLAND VL2NI 1570kHz with 50 watts is scheduled to 0430 Mon, Tue, Thu, Fri; to 0930 GMT on Wednesday and Saturday; to 1100 on Sunday. Weekday sign-on time is 1930 GMT. Phil Brooks  
 Heard well with Radio Australia News Relay 0400 30/5. Regular weekends. B.Clark

BRUNEI is in the process of ordering four 100kw MW transmitters, which will probably be linked in pairs, ie, as two 200kw outlets. via IRCA

SOUTH KOREA HLCR Andong is a new KBS station on 960 with 10kw. Operations began on 9 April. BEC MS(c). KBS Pusan 1450 noted ex 1480 in parallel to 890 till sign-off 1700 GMT. All Korean except 1500-1600 in Japanese. Hayashi JSWC

ISRAEL IBA Jerusalem 529kHz 100kw is new.

BDXN via Sunspot

NORTH VIETNAM First Network 1010kHz 2055-1600GMT and 587kHz 0001-1400 GMT. Second Network carried on 803 and 830kHz 2245-1600. The External Service in English announces a MW outlet of 1240kHz for 1600-1630. BEC MS (c)

IRAN Radio Qasr-e Shiran 612kHz is a new station.

BBC MS(c)

LEBANON Current status of medium wave broadcasting under civil war conditions, 836kHz 100kw operated by Govt of President Franjeh 0400-1000, 1630-2330 GMT. 989kHz with two 10kw transmitters and 836kHz 10kw standby transmitter under control of Military Governor General Ahdab's faction. Latter interferes with the main government transmitter. The Phalange Party's Voice of Christian Lebanon is reported on 880kHz. The Voice of Palestine is heard in Arabic on 1515 kHz at 1700-1900. WRTVH Newsletter 5/76

HAWAII A full-time, non-directional 5kw Educational broadcasting station is requested for 1600kHz. NRC Possibly the planned Public Broadcasting System? BC

NZ A recent Broadcasting Council Survey shows commercial radio breakfast session audiences split as follows:- Auckland - 1ZB 47%, Hauraki 16%, Radio I 7%. Wellington - 2ZB 41%, Windy 19%, 2ZM 13%.

CANAM REPORT • BROADCAST NEWS FROM THE AMERICAS
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MEXICO Recent notifications to the FCC via Glenn Hauser and IRCA.

660 XERPM 50/5kw from 10/5kw.

710 XEDP Ciudad Cuauhtemoc, Chihuahua 5kw days is new.

760 XEABC is now 20kw day, 5kw night.

900 XEWB Vera Cruz nights 10kw ex 5.

950 XEFY Cortazar, Guanajuato 0.5/0.25kw has construction permit.

1060 XEEP Mexico City 50kw day and night ex 5kw/0.5kw.

1140 XEMR Monterrey 50kw day/night ex 10kw/0.35kw.

1190 XEWK 50kw nights ex 10kw. ↗

1270 CP for Uman, Yucatan 2.5/0.5kw ex XEYUC Merida, Yucatan.

1300 XEHU 5kw/0.1kw ex 1kw/0.5kw.

1450 XEIE Matehuala, San Luis Potosi CP for 1kw/0.2kw.

XEYZ 0.5kw days ex 0.25kw.

1490 CP for Ciudad Cuauhtemoc, Chihuahua 1kw/0.1kw. Another CP for Benjamin Hill, Sonora 0.5/0.1kw.

1500 XERH now 20kw nights ex 5kw.

1540 XEYN Hermosillo, Sonora 5/5kw CP. XEAVR Alvarado, Veracruz 5/1kw CP.

1560 XEVIP 10kw nights ex 0.5kw.

FUERTO RICO WKZE 1030kHz new call for San Juan station. NRC

N.I.S. NBC's News & Information Service, the all-news format which we hear on KFBK Sacramento 1530 and KHVH Honolulu 1040, is now carried by over 60 stations, including WPOM 1600, KRXV Fort Worth 1540, WANR 1520, WNUS & KLVG on 1490, KARM 1430, KUDL and KTSM 1380, KNWZ 1360, WRNL 910 and KOH 630. This is not a complete list, but stations listed were the only NIS on their frequency as at 25/2. Gary Siegel NRC

SURINAM Radio ABC, Scherders, Howardstraat, Paramaribo has started broadcasts on 1050kHz. Sign-off is 0430 GMT. BDXN via Sunspot



VHF and UHF signals normally follow a straight path over the horizon except with some special means of propagation. This time we deal with... TROPOSPHERIC PROPOGATION

This is the most common form of DX propagation and is associated with weather phenomena. Hot days followed by cold evenings, in the absence of wind, under a prevailing slow moving anti-cyclone, will produce the required conditions, the best period being November to March in New Zealand.

What actually happens is that under certain conditions the air in the troposphere (the bottom layer of our atmosphere) tends to become stratified into layers of different density, and the signal when passing from one layer into another, becomes 'refracted' and bent down to reach us again at distances of approximately 200 to 1200 miles away.

Television reception within NZ and from Australia often occurs with this propagation in the early to late evening, and has been found to have been of long duration, with slow fading. Conditions are best when the path of the signal is along the trailing edges of the anti-cyclone condition mentioned above. Tropospheric propagation occurs on Bands I through to V, although in NZ we will be restricted to Bands I and III (TV) and Band II (FM) as we have no broadcasts on Bands IV and V. Aerials of moderate gain, to be discussed in a future issue, will be required.

Brian Oliver

## DX PEOPLE

Recently Magcom have received visits from two overseas DX personalities: YOSHIKUNI TAKI of Tokyo, Japan made a flying visit to Wellington to obtain material for his DX programme, which is broadcast on Station JOKR 950kHz, 100kw, Monday through Friday at 1543 to 1600 hrs GMT. A very pleasant young man, Yoshikuni is employed by Sony Corporation's advertising agency and through the weekday programme Sony products are promoted to the increasing number of ECL's (broadcast listeners) in Japan. The programme has 50,000 registered members! The NZ trip was a bonus, with Yoshikuni taking time out from escorting 12 young ECL's on a visit to Radio Australia. Their trip, sponsored by Sony, was first prize in an interval signal contest broadcast over JOKR. Yoshikuni was able to show us one of Sonys latest products - the small ICF5900 Sky-sensor portable. This has a 250 kHz spotting oscillator and associated bandsread, allowing accurate readout every 25kHz at least. Next time you're up on an all-night DX session, try for JOKR and Yoshikuni's programme. Reports are verified with a most attractive QSL card.

have taken him to all parts of the world. John's interest in DX has travelled with him. Those who attended a hurriedly called get-together in Wellington were treated to some wide-ranging reminiscences and comment: European 'hobby pirates' - John is the acknowledged authority on this subject with some 50 stations verified during his sojourns in Switzerland, Britain & Scandinavia; a visit to the Paris-based Basque Government-in-Exile seeking a QSL from Radio Euzkadi; DXing north of the Arctic Circle; nursing his Barlow Wadley through a bus crash in Guatemala; logging Radio Bhutan while in the jungle near Penang; his views on the low reply rate of Latin American stations - some visited by John proudly produced their files of DX reports as evidence of their station coverage, but they sincerely could not see why these listeners required a reply! He also saw disadvantage in registered reports - registration inferred valuable content and mail thefts were not uncommon. John has a doctorate of Mathematics & is now based at the University of Newcastle, NSW. The University has authority to operate on FM and he is looking forward to assisting in this venture. We welcome him back to this corner of the world, and to League membership.

JOHN CAMPBELL must qualify as the "Globe trotting DXer". A doctor of mathematics, John's academic pursuits

**BROADCAST DX Contributions from the following were received after typing of this section: SB, MB, HJS, BA, JA, LJ & GJ. Will be included next month.**



## Broadcast

## LEAGUE LADDERS

## Shortwave

DIVISION	Dec	June	Inc	Cnt	DIVISION	Dec	June	Inc	Cnt
<u>GOLD STAR(over 1250)</u>					<u>GOLD STAR(over1250)</u>				
Arthur Cushen	2193	2207	14	141	Arthur Cushen	4217	4273	56	228
Merv Branks	2075	2090	15	132	Bene Lynneberg	1955	1976	21	184
Keith Robinson	2046	2056	10	110	Ray Crawford	1227	1260	33	139
Norman Maguire	-	2858	-	-	<u>GOLD ACE(1001-1250)</u>				
Laurie Boyer	-	1270	-	-	John Mainland	1217	1236	19	171
<u>GOLD ACE(1001-1250)</u>					Ray Babbage	1193	1205	12	121
Ray Crawford	1017	1043	26	118	Bryan Clark	1053	1074	21	160
<u>SILVER ACE(751-1000)</u>					John Durham	1002	1052	50	118
Eric McIntosh	897	908	11	84	Hans De Jong	996	1005	9	89
<u>ACE (501-750)</u>					<u>SILVER ACE(751-1000)</u>				
Dene Lynneberg	669	679	10	82	Bill Huddleston	966	973	7	115
Graeme Shillito	612	624	12	64	<u>ACE(501-750)</u>				
<u>SENIOR(301 - 500)</u>					Lindsay Robinson	700	723	23	114
David Ricquish	473	488	15	47	Jack Searle	650	685	35	98
Chris Martin	405	470	65	120	Laurie Boyer	-	632	-	107
Paul Aronsen	413	414	1	-	Eric McIntosh	606	612	6	110
Ray Babbage	381	391	10	30	Des Davey	524	608	84	-
Hank Wilkinson	-	387	-	69	<u>SENIOR(301-500)</u>				
Bryan Clark	344	371	27	70	Paul Aronsen	491	500	9	-
<u>INTERMEDIATE(151-300)</u>					Jim Benzoni	430	438	8	85
Paul Ormandy	151	244	93	33	Austin Hadler	343	410	67	69
Alan Robson	181	207	26	26	Daryl New	-	404	-	94
Lindsay Robinson	198	201	3	25	Alan Robson	345	373	28	74
Sinclair Bennett	190	193	3	10	Paul Ormandy	189	339	150	83
Des Davey	163	168	5	-	Bruce Cavanagh	257	332	75	85
<u>JUNIOR(51-150)</u>					Steven Greenyer	302	306	4	117
Jack Searle	141	144	3	17	<u>INTERMEDIATE(151-300)</u>				
Ash Nallawalla	51	142	91	17	Paul Rawdon	257	271	14	62
Paul Rawdon	117	126	9	16	Cecil Symmes	212	257	45	65
Bruce Cavanagh	104	122	18	19	Bob Boundy	248	251	3	58
Andrew White	100	114	14	13	Jonathan Aitchison	229	243	14	62
Michael Smith	112	114	2	8	Jack Farrow	202	223	21	46
Gavin Bennett	92	107	15	18	Michael Smith	201	218	17	55
Philip Brooks	81	104	23	13	Bill Vogel	179	217	38	95
Graeme Hammond	88	97	9	11	Paul Edwards	152	184	32	84
John Allchin	-	74	-	6	Brian Molloy	169	181	12	47
Philip Hope	-	70	-	10	Brent Allred	87	168	81	31
Stuart Forsyth	-	60	-	5	Wyn Machon	113	162	49	52
David Feldon	42	59	17	8	<u>JUNIOR(51-150)</u>				
<u>NOVICE (1-51)</u>					Ian Wells	117	121	4	56
Jack Farrow	47	50	3	4	Gary Butler	100	118	18	58
Steven Greenyer	38	41	3	23	Alex Wellner	88	114	26	68
Bruce Officer	-	32	-	3	Graeme Hammond	104	109	5	27
Alex Wellner	-	14	-	3	David Feldon	80	95	15	27
					Peter Mott	50	61	11	32
					Andrew White	59	60	1	27
					Ash Nallawalla	45	60	15	31

Now for the winners. Quite a few were deleted due to sending no totals over the last six months.

BROADCAST Gold Star Merv Branks, Gold Ace Ray Crawford, Silver Ace Eric McIntosh, Ace Graeme Shillito, Senior Chris Martin, Intermediate Paul Ormandy, Junior Ash Nallawalla, Novice David Feldon,

Welcome to Bruce Officer, Daryl New and Norman Maguire from Hawaii.

My apologies to Brian Cliver for missing him off the BC list. Brians total is 116. Hope you improve your totals in the

NOVICE(1-51)

L. Missen - 49  
Bruce Officer - 26

SHORTWAVE Gold Star Arthur Cushen,

Gold Ace John Durham, Silver Ace Hans De Jong, Ace Des Davey, Senior Austin Hadler, Intermediate Paul Ormandy,

Junior Brent Allred, Novice Ash Nallawalla, Congrats to all winners.

Par north.

Brians total

## TWO KIWIS IN 'K' COUNTRY

You may think listening to US stations here in NZ is difficult, but it can be just as hard when you lessen the distance by 6000 miles ! All our listening was done on a small battery transistor, a Sanyo RP5140 covering AM/FM.

In Los Angeles the major problem was noise especially because we were in the middle of the city. During daytime a variety of signals was evident from many local daytime-only stations such as KBRT 740, but reception was only from stations within a 150 mile radius, meaning that Tijuana, Mexico stations were about the limit. At night, interference was terrific, signals surging in from all over California and Mexico. Local stations dropped to nighttime power and some such as KIIS 1150 were barely audible.

Travelling to Flagstaff, Arizona we passed through San Bernadino and listened to 5000 watt station KCKC 1350 which gave a good signal for about a 50 mile radius. Small towns like Needles in the Mojave Desert had a local 250 watt that faded in about 10 miles on one side of town and faded out the same distance away on the other. But Flagstaff was different probably due to the 7100 ft altitude, and gave excellent nighttime reception. Signals from many states were audible, such as Iowa, Florida, Wyoming - and the Mexicans were a pest. One strong signal was XETRA 690 and they even pushed at local 500 watt KEOS 690. All three locals were logged, KCLS 600 KEOS and daytimer KAFF 930. Phoenix was even better for Mexicans, and some of the more popular stations were from the cluster of small towns around the fringes of the city such as KUPD 1060 in Tempe and KRUS 1360 in Glendale.

Mexicali, Mexico adjoins Calexico, California and must have some powerful signals if the swarm of antennae was any guide. San Diego seems out of place; perhaps it should be in Mexico, but most signals were Mexican and several locals were daytimer only or reduced power such as KCBC 1170. The band seemed a real jumble down there. In San Francisco the 250 watters were more fun with many daytime signals from towns near the city like KEST 1450, KNBA 1190 and KVON 1440. At night these became badly distorted and reception was not at all good with signals swamping each

other. Driving up the coast near San Luis Obispo it was strange that the best signals were coming from the San Joaquin Valley over 100 miles inland with a coastal mountain range in between. KCHJ 'Freeway 99' Delano was an excellent signal.

Central California is heavily populated with small towns every 25 miles along the freeway and many small stations. Climbing into the mountains I was intrigued with KTRT 1400 Truckee, high in the hills and a great signal five miles either side of town, but not in Truckee itself. Reno was an interesting spot, again fairly high up with a number of daytimers we missed, but a good selection of 250 watters at night like KCBN 1230 and KBET 1340. The new Las Vegas KDWN 720 was fair reception at midnight on reduced 10,000 watts power and stations from Utah and other parts of Nevada were good.

Honolulu is different, and with Alan Roycroft in charge I know why! It is remarkable we hear some of the Hawaiians so well, as they are hard to hear there. In daytime, only Honolulu stations were heard; KCCN 1420 is excellent on Waikiki but is swamped by KPOI 1380 splash a mile away... and a mile closer the KPOI tower. At night only Honolulu stations were audible, no other islands and no sign of mainland US signals. Alan gave us a guided tour of 'Honolulu Radio.' and stories about sites, transmitters, and signals would make a tale on its own. Something a little different to our Kiwi ears was FM radio. It certainly has advantages for highly urbanised nations, so far more stations can operate co-channel fairly close to each other. FM is big here... the current leading station in the Los Angeles metro market is an FM stereo station, and the AM stations don't like it. Format was predominantly music of the 'good music' type because its automation makes the station inexpensive to run. Several dominant acid rock stations, black soul and gospel almost account for the remainder. In the cities it was better reception from the FM rather than AM outlet, for example KABL in Oakland, and KHSS the new FM outlet of KPOI 1380 which has moved to cheaper good music automation. In the small towns a gospel FM was guaranteed, not only the reception but the boring similarity of the black hot gospel preachers.



A traveller tends to make comparisons, and I'm guilty. I liked the variety of programming choices so that I could hear the format I liked when I liked. In NZ once you've heard an RNZ community station you've heard them all - in the States once you've heard a 5000 watt or less middle-of-the-road station you've heard them all. I missed the RNZ National Programme style format, because the Public Broadcasting stations there are dry and worse than a continuous diet of our Concert programme. The studios and stations themselves did not seem as professionally run as some NZ stations I've visited.

Any DX hints ? For example, don't address reports to 'KDAY Los Angeles' because Los Angeles is over 15 miles from Santa Monica - the distances over those metro areas is terrific. So get the exact address, the Box number, or street number, and don't forget that some streets there are 25 miles long. My pet theme is being proved - a sterile DX report will go into the WPB, but an interesting letter, often highly informal stands a better chance of a reply even if the report itself is very sparse and short. DX reports are boring to a station, but friendly letters are interesting. One more hint - if you can't hear Yanks here then don't worry - you can't hear most of them over there either, but if you want to hear your first 250 watter, do as I did - go to the station.!

--David Ricquish.

#### CRAIG CRAWFORD LOOKS AT HAWAII

Our arrival in Los Angeles May 6 coincided with the final day of the CBS Annual Conference at the Century Plaza Hotel, Los Angeles. We were invited there as the guests of Mr Thaddeus Sanstrom, president of WIBW, Topeka, Kansas. Mr and Mrs Sanstrom gave up a whole day to drive us around the southern Los Angeles area including the San Clemente area and Long Beach. Mr Sanstrom also arranged a personal tour of KNX News Radio and KNXT-TV on May 10. Our guide was Mr George Mair, CBS Director of Community Services and the visit provided us with a look at some of the most up to date broadcasting equipment. The newsroom of KNX contains eight teleprinters connected to various international news agencies and five monitors on various LA emergency services. In addition there are two studios for the recording of telephone interviews with prominent people and for mixing on the spot interviews; and another

small studio for the recording of reports from the highway patrols. Scripts are made up in 30 minute packages by a staff of about ten reporters. At the engineer's console we met verie signer Ted Denton. The engineer plays stations ID's and commercials to the news reader's visual cues leaving the announcer free to concentrate on the news script. Inside the announcer's console are three tele-printers so that 'flash' news can be transmitted to the announcer for immediate broadcasting and hence 'scoop' the other stations. I was surprised to see these units as I had always imagined that the teleprinter sound heard continuously behind KNX transmissions was recorded on a continuous tape. Mr Mair confirmed that I was correct as the sound picked up by the studio microphone sounded unreal and had to be mixed with a recorded effect to add realism.

A short walk down Sunset Boulevard to the bus caused us to pass the studios of KPOL and KMPC. A complete contrast to the modern equipment at KNX was seen at C & W radio KLAC. The inferior mixing and reproduction equipment, and cramped conditions were little short of hilarious even by NZ standards.

Over the next fifteen days we travelled to Flagstaff, Grand Canyon, Phoenix, San Diego, Los Angeles, San Francisco, Reno, and Fresno, and needless to say we spent a lot of time tuning the AM and FM dials. On AM the decrease in the quality of presentation was obvious, from stations in the smaller cities or with low power output. Occasionally recording quality and cueing was unbelievably poor. However, transmission quality on FM is consistently good. The most popular FM format is continuous light orchestral music with commercials and ID's each quarter hour. Stations are largely automatic and staff cue up 24 hours of music on reel to reel tape, load commercial and ID cartridges in two 40-cart decks (which are automatically cued by third track tones on the reel tape). The operation is simple and results in a popular format.

One of the highlights of our 24 day trip occurred on May 24, our first day in Honolulu. At 5.45.a.m. the phone in our hotel rang and evil laughter emitted from the other end. A power failure at one of Alan Roycroft's transmitter sites had kept him working all night so he kindly deprived us of some sleep too! (Continued next month)

# Shortwave Mailbag

with TONY MARR

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Some good veries this month, amongst them being the Azores on 4865khz with just 1kw; indeed a good catch. It also seems an opportune time for a reminder about the rules governing the BOM entries - Your entries must comply with League rules to be eligible for this competition. See your "DXing Made Easy" for details - don't forget to include the location, frequency, power, date and time heard, month reported to the Times, and the points score. Now to the mail ;

LINDSAY ROBINSON Invercargill is first up this month with 11 out, and veries from IBA 7412 Brunei 7215 Iran 15084. Yes, postie may be busier next month.

RAY CRAWFORD Invercargill has a loner back from Quito 4923, worth keeping an eye out for Belize, I should think.

STEVEN GREENYER another one from Invercargill, has them back from R. Mil 4922 YVKB 4890 Sierra Leone 3316. Ta.

ALEX WELLNER Sydney has 2 out and QSLs from IBA 5900 Finland 6120 BCC 11860 FEN 3910.

BRYAN CLARK Wellington has sent 6 away, and has heard from Oslo 15135 RNZ 6105 9520 4VEJ 11835. Nice Haitian....

PAUL RAWDON Wellington has 15 away, and success with VQ05 5020 Togo 5047 Azores 4865 Ghana 4915 and 6 from RNZ. Congrats on the Azores.

BILL HUDDLESTON Auckland has 12 out and QSLs from NHK 15420 ORF 6015 RA 9540 IBA 7413 SBC 6165 TWA Monaco with pennant. Good, Bill, some more next month.

WYN MACHON Invercargill has QSLs from TRT 9515 11880 Sweden 21690 IBA 5900 TDF 21580. Sorry, that one omitted in error last month.

PAUL EDWARDS Wellington has them from VOA Colombia 11740 Canary is 11800 Ghana 3366 Congo 4765 FEBA 11810 15270. Some nice Africans.

ARTHUR CUSHEN Invercargill has verified IBRA Malta 6035 Seoul 11850 IBA 7462 Nac Colombia 9682 RNZ 15380 9520 Finland 15105 ORF 6015. Thanks.

IAN CATERMOLE Blenheim in his first contribution to us, has an impressive list of veries RA 6005 15400 VLM4 4920 Peking 9460 11720 11600 15435 6590 9380 Praha 11855 HCJB 11915 9745 6130 BBC 7300 3945 RN 9640 9715 NHK 17825 15420 9585 Vila 3945 RNZ 15130 P2K4 4890 P & P 11960 Bougainville 3322 Gulf 3245 Moscow 15380 Bucharest 11940 9690 VQ05 5020 SBC 3985 11840 KGEI 5980 P & P 17880. Was your BBC 6440 a broadcast or a point to point relay? The transmitter location determines the country. A good list, Ian.

DARYL NEW Lower Hutt has them from Oslo 9645 NHK 15235 AFRTS 9700 Peking 11720 RN 11930 9715 11730 CBC 9625 Moscow 9500.

PAUL VOGEL Adelaide has 4 out, and QSLs in from RA Carn 9540 Shepp 15290 Clarin 4850 RNE 11730 Oman 11890 NHK 9670 Togo 5047. Thanks, Paul.

WAYNE LAWRENCE Waipukurau in his first notes to us, advises of 4 out, and veries from HCJB 6095. Welcome, Wayne.

JOHN DURHAM Meremere has them from Sofia 11730 EIRT 7140 Sudan 5039 Oslo 11870 ELWA 4770 Brunei 7215 Iran 17735 Oman 11890 IBA 9435 Simferopol 15455 Lyndhurst 6045. A good list, John. No news of any changes in the Azores....

BRUCE CAVANAGH Invercargill has 10 out, and QSLs from Riyadh 6085 TWR Monaco 7110 Sweden 11970 Kuwait 7120 RBI 11700 VOA Gvle 9635 Tinang 7240 6110 Munich 9615 ETLF 11800.

AUSTIN HADLER Christchurch has QSLed BCC 11825 RN 15320 IBA 7412 17685 Cuba 11815 SBC 11840 21520 NHK 5990 7205 Hungary 15220 HCJB 15375 17755 Paris 9740 11890 15200 Peking 5090 RAI 15330 RNE 11880 ORF 9720.

JOHN MAINLAND Wellington has heard from IBRA Malta 6035 Korea 11850 IBA 7462.



MASAMI ONIZAWA Japan in his first notes to us, tells of QSLs from Kiev 9580 Yerevan 9610 IBA 9009 Cuba 9525 ETLF 11955 15250 Iran 9022 P2T9 9520. Welcome to you, too, Masami.

DES DAVEY Te Kuiti has 10 away, and has heard from KGEI 5980 BBC Tahiti 15170 TWR Monaco 7105 RN Bon 9715 Kuwait 9505 NHK 17880 At least you could still spin the dials....hope you don't have any more problems.

IAN WELLS Milton has 2 out and 2 in from KGEI 9615 Athens 5960. Good luck with the Varsity work.

PAUL ORMANDY Christchurch logged 16 and QSLed HJGC 5075 Oman 11890 Iran 9022 Ghana 4980 Clarin 4850 SABC 4875 Togo 5047 Mendi 0275 Tahiti 11825 AFRTS 17765 11790 RA 9515 11820 RNE 11880.

TIM McSWEENEY Queensland has 9 out and QSLs KGEI 5980 HCJB 6100 9745 11915 Lagos 7275 RNZ 11705 SBC 11775 FEBC 11810 11890 NHK 11875 Hanoi 12035 . Ta.

DAVID FELDON Rotorua has success with RA 11725 6045 15270 15400 NHK 9585 15105 11815.

BOB BOUNDY Christchurch reports a couple of visits to hospital, but on the brighter side has 14 reports out and QSLs Malaysia 15290 Vila 0945 Athens 7215. The FRI01 will be great. Hope you're OK now.

### BEST OF THE MONTH

#### UNDER 9MHZ

CSA67 Azores 4865 1kw

Paul Rawdon

#### OVER 9MHZ

FEBA 11810 25kw

Paul Edwards

BRENT ALLRED Motueka has QSL'd Peace & Progress 25m, VLM4, TWR Bonaire 11925, TWR Monte Carlo 7105, NHK 15310, RA 11725, 9580, RNZ 6105, IBA 5900, AFRTS 11790, HCJB 11915, 6130, KGEI 5980, France 11835, Tunis 11970, RN Bonaire 11730.

JIM BENZONI Hamilton has 5 out and veries from RA Shepp 9515, Warsaw 7270, Oman 11890 the last being country number 87. Jim, your Bandwatch & Ladder totals arrived too late for distribution to section editors.

LANCE JOHNSTON Christchurch has just the 2 QSLs - Oman 11890 & Japan 9700. Ladders missed it, I'm afraid Lance.

JACK SEARLE Haumoana has veries in from RA Shepparton 9600, RNE Madrid 9600, RAI 21690, TWR Bonaire 15255. Also: XMPA Nanking China 12020kcs 1kw QSL'd by Jack in 1948 and only recently rediscovered and returned to Jack. With it was an envelope & letter (but not the QSL) from HP5K Panama 6005! He comments that 'one should never give away a good thing and then take it up again'. On top of all these surprises Jack received, unsolicited, from Radio Bucharest a woven article 5 feet long and 20 inches wide, bright red with black, yellow and white patterns and tassels at each end. He's not sure what it is, but it was certainly appreciated! Jack, afraid your notes missed deadline, but will squeeze in if possible, or next month.

PETER MOTT Christchurch has verified Tahiti 15170, 11825, Spain 6065, Iraq 9745.

STATION OF THE MONTH - insufficient space for this feature this month; instead some items from the BBC Monitoring Service (C).

TIMOR Test transmissions have started from a new transmitter of the East Timor Provincial Government, in addition to Radio Dili. Frequencies of 3855 and 3850kHz were mentioned in a report from Jakarta.

...and from Frendx, magazine of the North American SW Association.

GILBERT ISLANDS Tarawa is seriously considering a return to SW. In a QSL letter to a US DXer they say "we are thinking of having a shortwave transmitter to cover the Phoenix and Line Islands, about 2000 miles east of Tarawa. The frequency & power of the transmitter are not yet decided upon."

via Bill Whiteacre/DX Hotline.

Like most DXers starting out, John Ridge of 5 Papawai Place, Palmerston North has difficulty in measuring the frequency of stations heard. He would like to hear of a good circuit for a 100kHz/10kHz crystal calibrator. Can you help?

# SHORTWAVE BANDWATCH



Coordinated by JOHN MAINLAND.

Optimum reception conditions are now being experienced from the African and Latin American areas. Belize has reappeared on 90 metres, while Martinique and French Guiana continue to be heard in the same band. Bill Huddleston of Auckland notes Kabul Afghanistan on a new channel. On the higher frequencies Madrid has reintroduced English broadcasts for Europe after a break of nine years. Radio Zambia's Sunday transmission in English is observed on 11880kHz and Deutsche Welle has two new channels for the evening English broadcast to Asia & Australasia.

FREQUENCIES IN KILOHERTZ TIMES ARE GMT (Add 12hrs for NZT) + = OVERSEAS CONTRIBUTOR.

FREQ	TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	INITS
2240	0500	UNIDENTIFIED	Latin American	here with weak signal. On 2380kHz at 0400 many idents for Radio Cultural. Time checks GMT-6. Good signal. First hrd last year. Location unknown.	SG
2420	0400	GUATEMALA	Radio Rumbos	good signal most days. Probably harmonic of 1210kHz MW but could be legitimate frequency.	SG
3220	1030	PAPUA-NEW GUINEA	Bougainville	with native music. Others hrd: Radio Gulf 3245 at 1040 C & W mx; Radio Madang 3260 at 1050.	AW
3250	0344	PERU	Radio Collasuyo	good sigs with mainly female vocals.	RC SG
3285	1400	AFGHANISTAN	Kabul	here in move from 4775. EE news, weak.	BH
3300	0507	BELIZE	Radio Belize	poor-fair with anthems at s/off. PR. PE 0310 excellent signal at Tiwai. But for Guatemala underneath, it would have been as strong as a local! Weather 0315, The Val Doonican Show 0330, News 0400 26/5. RC 0330 Mixed with Radio Cultural, Guatemala till s/off at 0505. Good signal.	SG
3315	1000	MARTINIQUE	Fort de France	s/on in FF. Good till t/out 1030. Fair signal with time sigs & news 1030. Fade-out 1045. FR3 very poor at 1000. PR. 1000 Int. sig, anthem & FF ident, time check, nx, followed by Caribbean mx. Often, poor-fair.	RC PE
3316	1915	SIERRE LEONE	SLBS Freetown	often good in vernacs. Also 0630.	PE
3355	0330	VENEZUELA	Radio Impacto	popular mx to s/off 0356. SG Off 0400.	RC
3360	0345	GUATEMALA	La Voz de Nahuala	good till 0440 s/off. SG Off 0430.	RC
3380	0245	GUATEMALA	Radio Chortis	good to s/off 0305 26/5 at Tiwai.	RC
3380	2000	MALAWI	MBC Blantyre	with EE news. Hrd past 2020.	PE
3385	0900	FRENCH GUIANA	Cayenne	good opening with Marseillaise anthem but very rapid deterioration. SG. 0900 Guitar int. sig & s/on. Peaking around 0930. Mainly spoken prgm. Mixed Rabaul.	JD RC
3390	1000	ECUADOR	Radio Zaracuy	fair with SS mx. Many ids. LR. Good 0300.	RC
3395	1000	VENEZUELA	Radio Universidad	fair but exc by 1045. RC. 1049 ids.	SG
3560	1342	NORTH KOREA	Pyongyang	EE cmtry. S/off 1350. RR s/on 1400. Fair.	BCa
3925	0830	PAPUA NEW GUINEA	Port Moresby	with EE religious songs, fair.	DN
3990	0530	LIBERIA	VOA Monrovia	fair in English.	PO
3995	1700	SOUTH AFRICA	RSA int. sig & s/on	in Lozi. FF at 1800 mxd DW. 1750 int. sig poor mixed with DW. PR. 0455 poor under Cologne.	PE EC
4698+	1220	INDONESIA	RKIP Surabaya	poor in Indonesian with id & mx.	BV
4725+	1020	BURMA	Rangoon	with indigenous music, fair.	AW
4764+	1120	INDONESIA	RRI Medan	poor-fair with id, mx and anncts.	BV
4765	1840	CONGO	RTVC Brazzaville	vg in FF. PO. 1838 weak in French.	PE
4770	1858	LIBERIA	ELWA	vg in vernaculars. EE nx 1900, childrens prgm 1915. 1900 "This news is coming to you from ELWA Monrovia". vg. 1906 good with EE newscast.	PE FR
4780	1844	AFARS & ISSAS	Djibouti	good with AA type music prgm.	PE
4805a	0545	UNIDENTIFIED	poor-fair	with animated PP talks. Brazilian or perhaps Sao Tome 4807 now being hrd in USA again.	BC
4815+	2245	ANGOLA	Radio Nacional	, also ids as Radio Popular de Angola. Probably drifting from 4820. Poor in PP, mainly mx prgm.	BV

FREQ	TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	INITS
4832	0530	COSTA RICA	Radio Reloj	with EE pops, exc. RC. 0735 Radio Capital ident no longer used, now Radio Reloj. SG. 0815 Ids as Emisora Radio Ajos & Radio Reloj, fair in SS. BV+ 0700 Radio Reloj pgm carried in //6006 good. Bill's Ajos is probably Radio Ellas, new call for Capital's MW outlet 1120kHz as advised by BBC MS. Radio's Reloj & Ellas(ex Capital) are owned by Barahona family. BC	
4840	0242	PERU	Radio Andahuayalas	noted until s/off 0258 at Tiwai.	SG
4875	0425	SOUTH AFRICA	Radio RSA	in EE. Lozi at 0428. AC. 0426 EE id & s/off fair. Int. sig & idents till Lozi prgm. BC. 2745 EE fair to 2150. BV+	
4885	0921	COLOMBIA	Ondas del Meta	frequent station & Todelar idents.	SG
4915	1822	KENYA	Nairobi	with music prgm. Ident at 1830½.	FC
4915	0456	COLOMBIA	Radio Guatapuri	news 0500-0525 then chimes & ident.	SG
4940	0606	IVORY COAST	Abidjan	regular around this time with popular mx.	JD
4972½	0455	CAMEROUN	Radio Yaounde	in FF to f/out 0520. SG. 0501 vernacs gd.	JD
4975	0220	PERU	Radio del Pacifico	with talk & choir mx, at Tiwai.	RC
4980+	2140	GHANA	Ejura II	fair in EE, Gospel prgm at 2145.	BV
4985	0400	BRAZIL	Radio Brazil Central	vg with long station annc't on hour.	SG
4990	2000	ARMENIAN SSR	Yerevan	in AA. PR. 1853 AA external service from transmitter in Armenia. 1900 in Armenian. Good reception.	FE
5005+	1100	SARAWAK	Sibu	with talk in Iban but advts in EE.	AW
5030+	0920	VENEZUELA	Radio Continente	good in SS. BV. 1010 Latin mx, good.	AW
5047+	1115	INDONESIA	RRI Jogjakarta	fair in II with mx and annc'ts.	BV
5900	0330	HUNGARY	Radio Budapest	in Hungarian to Nth. Am. New freq //6000.	JM
5955+	0845	UNITED STATES	UN Radio	via Dixon good in EE "Week at the UN".	TMS
5962	0832	COLOMBIA	La Voz de Centauros	fair but adjacent freq QRM.	SG
5970+	1124	INDONESIA	RRI Banjarmasin	fair-poor in II with mx, news, id.	BV
5980	0615	PERU	Radio Panamericana	fair with music prgm.	LR
5990	0430	ITALY	RAI	very good in EE to Mediteranean with news.	IW
5995	0809	AUSTRALIA	RA (Lyndhurst 10kw)	exc with mx. Also 7290 (Shep. 100kw)	DN
6015	0430	AUSTRIA	Vienna	in EE fair //17840. BH. 0447 very poor in EE.	BA
6025	0445	PORTUGAL	Radio Portugal	strong in EE with Press Review & mx.	IW
6030	0723	USA	AFRTS Bethany	excellent with Sports results etc.	BCa
6030	1202	PHILIPPINES	DZHG FEBC	Manila with religious prgm, fair-good.	BH
6030+	1430	UGANDA	Kampala	with EE pops and African music.	AW
6035	0910	AUSTRALIA	RA Carnarvon	testing with EE annc'ts & mx. Fair to 1010.	O.
6035	2030	MALTA	IBRA Radio	good in EE Saturdays. JD. 2045 Radio Mediter- anean in EE with 20mins mx and tourist prgm.	JM PO
6065	0700	COLOMBIA	Super Radio	with mx, many idents. Good.	LR
6075	2030	SPAIN	Madrid	in EE to Europe. Was on 5955 in early May. AC. Has EE to 2130 & repeated 2130-2230 when also on 9505. JM. 5955 EE good to Europe with Nx, mx, "Spain Today", "Stamp Corner" etc. BV+	
6075	1810	LIBERIA	ELWA	Monrovia int. sig under DW. New frequency.	PR
6080+	0700	USA	VCA Greenville	good with EE "African Safari". S/off 0730.	TMS
6082	0639	PERU	Radio Nacional	good with popular songs & time checks. Better on //854kHz! BC. 0800 Extended sked. Good sig but het.	SG
6095	0400	ECUADOR	HOJB	Quito fair after Warsaw closes.	AC
6100	1134	CHILE	Radio Calama	fair signal but much fading. Many EE pops one night but Latin music the next.	SG
6105	0100	VATICAN STATE	Vatican Radio	in EE to Nth. Am. French at 0115.	AC
6105	0300	POLAND	Radio Warsaw	in English to North America.	AC
6120	2300	SWEDEN	Stockholm	in EE to North America. Swedish at 2330.	AC
6135	1101	SOUTH KOREA	Radio Korea	in JJ fair to 1150. EE on 7150 at 1130.	JM
6140	1430	INDIA	All India Radio	with world news in English.	AC
6160	0800	COLOMBIA	Nueva Granada	vg with pops, freq ids. Off abrupt 0817. 0957 fair in SS with idents and music.	BC BV+
6160+	1900	IRAQ	Baghdad	weak under Deutsche Welle.	AW
7050	0400	EGYPT	Cairo	good with music & mailbag show.	LR
7105	0633	MONACO	Monte Carlo	weak but clear with EE religious prgm.	BH
7155	0433	JORDAN	Ammen	fair with AA mx prgm. FE. 0444 fair in Arabic.	FR
7180	2200	HUNGARY	Radio Budapest	opens in SS.	AC
7225	0512	RWANDA	DW Kigali	poor in EE. GG id 0515 then FF. Het from Iraq.	FE
7235+	1800	CANADA	MT Montreal	with 30mins in Hungarian, good. (UK site?)	AW



<u>FREQ</u>	<u>TIME</u>	<u>COUNTRY</u>	<u>STATION</u>	<u>PROGRAMME &amp; RECEPTION DETAILS</u>	<u>INITI</u>
7262	0924	MONGOLIA	Ulan Bator	with Mongolian H.S.news.Moscow relay 0930.	FE
7285	2300	MALAGASY REP.	Radio Nederland	relay with Indonesian Service.	AC
7325	2200	GREAT BRITAIN	BBC	excellent with World Nx & "World Today" pgm.	LR
9022	0400	IRAN	Teheran	good with local mx,nx.LR.0130 good in Persian.	AW+
9420+	1300	NORTH KOREA	Pyeongyang	fair in EE with nx,mx,cmtry.Off 1348.	TMS
9435+	2000	ISRAEL	IBA Jerusalem	poor in EE with DX prgm.	MO
9460	0836	CHINA	Peking	in EE to NZ,exc.11445 also hrd 0842 with EE cmt.	BA
9475	0300	EGYPT	Radio Cairo	with Listeners Mail. Good in EE.	DN
9480	0430	ALBANIA	Radio Tirana	good signal with EE nx. Overall fair.	DN
9520	0630	PAPUA NEW GUINEA	Port Moresby	NBC with BBC Top 40. Fair.	LR
9520	0630	USA	KGEI San Francisco	EE gospel prgm,good.MO+ 0740 fair in EE to Asia. JJ from 0800. Move here ex 5980 10/5.	JM
9555+	1803	KUWAIT	Radio Kuwait	good in EE with jazz music.	MO
9565	0501	RWANDA	DW Kigali	relay fair in the clear after VOA off.EE to 0515, then GG ident, then FF prgm.Blocked by VOA at 0530.	FE
9570	1000	CANADA	RCI Montreal	to Sth Pacific from 26/5 ex 9625.AC//5970.	JM
9570+	0825	NETH.ANTILLES	TWR Bonaire	fair in SS.Id as "Radio Transmundial"	BV
9575	2030	ITALY	RAI Rome	fair in EE to Great Britain //9710.	BH
9585	1400	JAPAN	NHK's General Service	good in EE //9505 & 11815.	DN
9590+	0600	SWAZILAND	TWR Manzini	poor in EE with Gospel prgm.	MO
9610	0300	USSR	Radio Kiev	good with EE nx.PR.AW+ 0330 Ukrainian,poor.	BV+
9615+	0600	USA	KGEI	fair with SS gospel prgm.MO.0928 fair in SS,mx,ident.	BV
9625+	1145	CANADA	Montreal	poor-fair with Northern Service. FF at 1200.	TMS
9640	1234	SOUTH KOREA	Seoul	fair-good in Korean to s/off 1245.	BCa
9640	0038	USA	Voice of the Organisation of American States(OAS),Greenville	good in SS. FF from 0100,FF 0120.EE id at s/off 0130.New freq.	BC
9645	1245	USSR	Peace & Progress	good in Asian lang.BCa(Mongolian Bruce! Ed)	PR
9655	0030	USSR	Radio Murmansk	with EE Nx,after Radio Moscow prgm.	PR
9655+	1054	THAILAND	Bangkok	Radio Thailand poor with EE news.	MO
9660	1800	PAKISTAN	Radio Pakistan	with Turkish.Brief EE nx 1815-1820.New freq ex 7085,9645. //11672.	JM
9665	2000	EAST GERMANY	RBI	fair in EE to Africa //15390.	BH
9670	0930	JAPAN	Radio Japan	new freq to Aust/NZ.Very good.MC. Replaces 15235.AC. EE to Aust/NZ //11875, fair 21/5.	JM
9670	2039	PORTUGAL	IBRA Radio	EE 2045-2100,exc.BA 2045 'Happy Songs' pgm	MO+
9670	2100	PORTUGAL	Voice of Hope	EE id then GG gospel prgm. Excellent.	BA MO+
9690+	0508	ARGENTINA	RAE	fair in SS. EE prgm from 0600.	MO
9695	0200	SWEDEN	Stockholm	to Sth America in PP,fair-good.MC.0230 EE fair.	MO
9730+	1900	UGANDA	Kampala	External Service, good in FF.	MO /AW+
9750	1050	INDIA	AIR Madras	with Hindi Service, closing at 1100.	AC
9805	2203	EGYPT	Radio Cairo	exc in EE to North America.	BA
9833	0322	HUNGARY	Budapest	with news prgm, good overall.	DN
9915+	2250	GREAT BRITAIN	BBC	fair in EE to antarctica with Sports prgm.	TMS
10110+	1900	CLANDESTINE(ROUMANIA)	REI	fair in SS with ident "Aqui Radio Espana Independiente..."	MO
11705	2230	VATICAN	Vatican Radio	fair in EE to NZ. //9615 poor.	BH
11705	0231	SWEDEN	Stockholm	good in EE with "Panorama" & DX prgm.	BA
11715	0150	SWITZERLAND	SBC Berne	excellent in EE.	BCa
11735	0000	USSR	Radio Moscow	in EE, followed by Radio Kiev 0030 Saturday.	MC
11745	2120	AUSTRIA	Vienna	GG/SS prgm ex 11930.Poor-fair till t/out 2331. 2300 strong in GG.MC. 2258 poor in GG.QRM BBC 11750.	JM
11750	2345	PAKISTAN	Karachi	mixed with BBC in EE service.AC.BBC exc 0203.	BCa
11765	0400	CANADA	RCI Sackville	ex 6135.EE to USA till 0600 //9655.	JM
11770+	1800	YEMEN	Aden	fair in Arabic with music prgm.	MO
11785	1316	USSR	Peace & Progress	vg in EE. 15210 fair-good at 1250 in EE.	BCa
11790+	1730	ROUMANIA	Radio Bucharest	good in EE to Africa.	MC
11810	1730	SPAIN	RNE	opens in AA poor ex 11930.Mixed USSR. //9600.	JM
11810	0405	SEYHELLES	FEBA	testing to East Africa.AC vg int.sig,ident & mx prgm.//15270.PO 25kw output.QSL in 19 days.PE. Both freqs very good.Reports requested to Box 234.BC. 0427 testing vg.	PR
11820	2010	CYPRUS	BBC	relay fair in EE but splash from RFE 11815.	FE
11830+	1940	USSR	Radio Moscow	new freq in Dutch to Europe. Id 1946,fair.	BV
11835+	1030	SRI LANKA	SLBC	fair in EE.Prgm repeated in GG,FF.Id 1045,1100.	BV

FREQ	TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	INITS
11840	0206	POLAND	Warsaw	with EE news & cmtry. Poor to Fair.	BCa
11845	2300	HOLLAND	Radio Nederland	good with SS for Sth America.	LR
11845	0400	AUSTRALIA	RA Shepparton	in EE to Africa ex 11835.//15290.Gd.	JM
11850	0130	USSR	Radio Moscow	in EE to Nth.Am //11870.MC.0144 good in EE.	BA
11855+	0730	CZECHOSLOVAKIA	Prague	fair in EE with nx,mx,cmtry.S/off 0800.	TMS
11860+	1100	SOUTH KOREA	Radio Korea	with EE very good.	AW
11880	0200	SPAIN	RNE Madrid	in EE to North America, fair.	MC
11880	0554	ZAMBIA	Lusaka	with External Service,Sundays only. Poor due co-channel Turkey causing het.Fish eagle int.sig,idents,then pop mx past 0630. <u>PE.0557</u> S/on with call of the Fish Eagle.PR.Over Turkey 23/5.Mx prgm till f/out 0650.Lusaka abt 11880.5kHz. <u>BC</u>	
11885	0130	ECUADOR	HCJB	in EE to South America. Good signal.	MC
11890	0306	OMAN	Muscat	fair in AA. QRM from Berlin at 0327.	BCa
11890	1243	USSR	Radio Moscow	in unid Asian lang,very good. <u>BCa</u> (Cambodian Ed)	
11900+	0614	SOUTH AFRICA	Radio RSA	poor in EE.Nx,etc. QSL recd in 14 days.	
11905+	0350	ITALY	RAI Rome	with 30 min EE prgm. QRM from Moscow.AW.	/TMS
11925+	0345	GREECE	VOA Kavala	poor in EE."African Safari",Breakfast Show."	
11940	2128	BELGIUM	ORU Brussels	hrd with int.sig but blocked 2130 Buch.	MC
11950	2128	HOLLAND	Radio Nederland	Lopik interval signal very faint.	MC
11965	2230	SPAIN	RNE	with ident in SS,fair. New frequency 14/5.	JM
12045	0500	ISRAEL	Jerusalem	EE nx to Australia/Asia ex 15465.Good,10/5.	JM
15105	2030	0503 IBA	with EE news & Press Review,very good 20/5.	BA	
15115	1316	UZBEK SSR	Tashkent	fair in Asian language - Urdu?	BCa
15120	1300	SWEDEN	Stockholm	Swedish to Asia.Fair ex 15275 25/5.Off 1330.	JM
15125	2300	SPAIN	RNE Madrid	new freq for SS to the Americas.Fair 28/5.	JM
15135	0750	NORWAY	Oslo	in Norwegian to Far East.New freq ex 11870.Poor.	JM
15160	0726	ALGERIA	RTVA Algiers	with AA programme.	PR
15190+	1000	INDIA	All India Radio	vg in EE with nx,cmt & Indian music.	MO
15225	1207	WEST GERMANY	Deutsche Welle	fair with nx in SS.	BCa
15240	0906	SWEDEN	Radio Sweden	fair in RR with talks and music.	FO
15250	0814	USSR	Radio Moscow	in EE to Australia & NZ. Good.	BA
15280	0032	PHILIPPINES	Radio Veritas	testing in EE.Poor,QRM KGEI 22/5.	JM AC
15290?	0820	MALAYSIA	Voice of Malaysia	fair in EE.DN.0758 EE mx,vg.(15275?BA	
15370+	0005	SPAIN	RNE	back on this freq but not to Australia.Fair in SS.	BV
15410	2158	RWANDA	DW Kigali	relay s/on in GG under VOA.Clear 2202 fair. Severe splatter from Radio Budapest s/on at 2225.	PR
15415+	1040	KUWAIT	Radio Kuwait	fair with AA Home Service. Mx & anncts.	BV
17715	1030	HUNGARY	Radio Budapest	EE to Aust/NZ,fair.JM.Good with DX pgm	MO+
17725	1000	WEST GERMANY	DW Cologne	in Persian to Iran.New freq, fair.	JM
17780	0930	WEST GERMANY	DW	in EE to East Asia/Aust/NZ.S/off 1030.Poor.	
17810+	0230	PHILIPPINES	DZIG FEBC	poor in EE.Nx,rlg prgms.QSL in 14 days.	TMS
17810+	0802	AUSTRIA	Vienna	poor in GG under Radio Nederland.BV.0831 EE nx.	MO
17890	0235	TAIWAN	Voice of Free China	poor to fair with jamming.EE nx,mx.	BH
17920+	1355	EGYPT	Cairo	good in EE to Asia with "Arabic by Radio" lesson.	MO
21495	1845	PORTUGAL	Radio Portugal	,Lisbon fair in FF 16/5.	BC
21590	0235	PAKISTAN	Radio Pakistan	with news in EE, poor.	DN
21665	0903	PORTUGAL	Radio Free Europe	vg with "Morning Mx" id in EE,FF,GG.	
21715+	0420	UNIDENTIFIED	Popular mx prgm.	Off abrupt 0436.BV(RA Carnarv? /BC	
21745	0930	USSR	Peace & Progress	exc in CC. RR Home Service prior 0930.	BC

CONTRIBUTORS: Thanks to new member MO Masami Onizawa of Japan. Also to:-  
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# ARTHUR CUSHEN'S SHORTWAVE REVIEW 19

The installation of high frequency transmitters at Masirah will give the BBC another shortwave transmitting site. Frequency changes have also been announced by Canada and Japan. As winter reception is now at its peak with signals on the lower frequencies at their best during daylight hours. All times are GMT - add 12 hours for NZST - all frequencies in Khz.

CANADA Since May 26, Radio Canada has had its Pacific transmission on 9570 in place of 9625. The transmission is from 1000-1100 and is also carried on 5970.

GREECE Athens schedule to Australia effective from May 2 is:  
0900-0950 in Greek and English on 15345  
2100-2250 in Greek and English on 6175

HUNGARY Budapest is heard on the new frequency of 7180 opening at 2200 in Spanish, but is mixed with Tebrau in Japanese,

INDIA AIR Madras 9750 can be heard closing at 1100, but is mixed with R. Moscow.

JAPAN Radio Japan to Australia and New Zealand is using 9670 and 11875 in the transmission from 0930-1030.

OMAN Marconi Electronics have signed a contract to instal the new high frequency relay station for the BBC at Masirah Island to be operational in 1977. The aerials will give the station a range from 6 to 26 mhz. This operation will augment the two 750kw MW transmitters which have been operating since 1969.

PHILIPPINES Veritas is heard testing on 15280 at 0100 but suffers co-channel QRM.

POLAND Radio Warsaw broadcasts to North America in English 0200-0230 and 0300-0330; Polish 0230-0300 and 0330-0400. Best reception is on 6095 but after 0300 this frequency suffers interference from HCJB. Poland is using 6095 6105 6183 9675 11815 and 15120 at this time.

SEYCHELLES FEBA has been heard testing on 11810 and 15270 with interval signal at 0405 and transmission from 0410. Both signals are fair and reports are requested to Box 234 Seychelles, Indian Ocean.

SOUTH AFRICA RSA on 4875 is heard in English at 0425, and from 0428 to 0458 in Lozi. The English programme is also carried on 3230 and 3995.

SPAIN Madrid has a new transmission to Europe from 2030 to 2130, repeated from 2130 to 2230. It was first noted on 5995 but is now on 6075 for both periods, with the addition of 9505 from 2130-2230.

SWEDEN Stockholm broadcasts to North America in English on 6120 at 2300 and in Swedish at 2330. Sweden is testing in Swedish to Australia and New Zealand 0630-0800 on 11705. Prior to May 20 the frequency had co channel interference from France but the latter moved on the date. Sweden has replaced 15275 with 15120 for the transmission 1200-1330 to East Asia, with English 1230-1300.

U.S.A. According to the latest Technical Facilities Release from the VOA they now operate 41 transmitters in the U.S.A. and 72 overseas with powers from 35kw upwards. These 113 transmitters have a total output power of 23010kw. Current transmissions to Oceania are from 2200-0000 on 11760 15205 and 17820.

USSR Moscow broadcasts in English to Australia and New Zealand 0800-1000 on 15150 15250 17700 and 17870.

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From Page 1: ..We know that government received, and is still receiving letters from many parts of the world objecting to the shortwave cut. The League must continue to promote the need for an upgraded external radio voice for NZ. Replying to League submissions on 26 May, the Minister of Foreign Affairs wrote: "It has been decided that when economic circumstances improve, the review of the transmission system and programme content should continue, with the aim of developing a system which would deliver to the South Pacific region, through up-to-date technology, a range of news & programme material which would provide a representative picture of NZ". (More comment next month)



# ..sign off..

RADIO DENMARK has purchased a new log periodic antenna to replace the worn out curtain antennae dismantled last year. This will be in operation in a few months. According to the stations Programme Director, there are also plans for a new SW station with 2 500 kilowatt transmitters. SCDXers

DEUTSCHE WELLE PLANS. According to a clipping in ASWIC's SWL magazine, the joint DW/Radio Teheran relay station in Sri Lanka will have 3 250kw SW transmitters and a 600kw MW outlet. The DW/BBC relay station at Antigua will have 4 250kw SW outlets and 2 of lesser power. Deutsche Welle already has 2 MW transmitters on the neighbouring island of Montserrat - radio Antilles 740 and 930. There are plans to add a third 250kw unit at Kigali, Rwanda but this has so far been hampered by electricity supply problems. Kigali receives transmissions from Cologne via the Franco-German satellite 'Symphonie'.

POLISH RADIO English broadcasts include 1630-1700 and 2000-2030 on 19 & 25 metres to Africa; 0630-0700, 2030-2100, both on 31 & 41 metres; 1600-1630, 1830-1900, both on 31, 41 & 49 metres; 2230-2300 on 31, 41, 49 metre. All these beamed to Europe. To North America in English/Polish 0200-0400 on 19, 25, 31, 41, 49 metres. Choice of frequencies in these bands: 15275, 15120, 11800, 11815, 11840, 11955, 9675, 9540, 9525, 7285, 7270, 7145, 7125, 6155, 6135, 6095 & 5995kHz. John Ridge

TRANSKEI in South Africa could be a new radio country, following independence on 26/10/76. A broadcasting corporation, independent of the SABC will be set up in the capital Umtata. R.Ginbey SCDXers

CHILE Radio Presidente Balmaceda has apparently been closed down again! - this time in mid-January last. Dist

JORDAN Radio Amman no longer has an External Service but the domestic AA prgm is beamed to North Africa on 11810kHz. The English Home Service is beamed to Europe & North America at 1000-1300 on 7155, 1500-1730 on 9560.

RADIO TANZANIA National Service noted on 9685kHz ex 9550, from 0700 s/on to after 1500 GMT. Colin Miller

## 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.

ANTIGUA Further to last months info on the BBC/Deutsche Welle relay station's proposed frequency schedule, 6010,6065 9545,9590,9605,9735,11765 & 11810kHz at the times specified will carry DW programming. 9605kHz will be beamed to South East Asia/Oceania 0600-1000. We can presume that other frequencies - 5995, 6055,6085,6175,9765 will be used by the BBC. Latest stab at operational date is 'before the end of August'.

Colin Miller/WRTVH Nxletter

SOUTH AFRICA Current domestic sked for SABC includes: Market Reports Mon-Fri 1605-1650 on 3230 & 3995kHz; Springbok Radio 0300-0520 on 3250, to 0635 on 3980, 0520-1620 on 7185, 0635-1520 on 9710 and 1520-2200 on 3980,3250(latter from 1620). English incl. 0400-0635 on 3965(sunday from 0500), 0520-1620 on 7285, 0635-1520 on 9680, 1520-2115 on 3965, 1620-2115 on 3285. Afrikaans is aired 0400-0635 3955kHz(Sunday 0500-), 0520-1620 on 7170, 0635-1520 on 9560, 1520-2115 on 3955, 1620-2115 on 3320. On Saturdays all services extended to 2200 GMT. Colin Miller RSA

NEW QSL CARDS have been introduced by Radio Japan. Radio Bucharest has 6 new coloured postcard QSLs including two views of Bucharest, 2 examples of Roumanian folk art and a sculpture. Michael Cole

PAPUA NEW GUINEA The NEC require 2 IRCs for airmail replies. P.Ormandy