



NEW ZEALAND DX TIMES

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PRIORITIES or DESIRES?

Any election year is a year of the "gimmes" and "come ons". 1981 is no exception. This year, among the "come ons", is the decision to introduce FM. The Government has made up its mind - after all the children must have their "cookies" - and FM is to be introduced, so the Broadcasting Tribunal has been instructed to advise on aspects of the introduction of an FM service as an integral part of sound radio broadcasting in New Zealand. Among the specific matters on which it is to report are:

- a) the timing and any necessary testing for the introduction of the service;
- b) the procedure that should be adopted by the Broadcasting Tribunal for dealing with applications for warrants for FM broadcasting stations;
- c) the coverage objectives, having regard in particular to:
 - (i) the need for the Broadcasting Corporation of New Zealand to continue without interruption the work of extending the coverage of TV2; and
 - (ii) the needs of rural areas;
- d) whether any interim service should be on a commercial basis or a non-commercial basis or both.

Other matters to be considered mainly deal with the issue of warrants, the type of programming and the like.

Now if there is one thing which is quite certain it is that the proponents of FM broadcasting are not a bunch of starry eyed altruists - they, like most others, are out for a quick buck. For after all what are the advantages of FM - nationally it will be little more than a status symbol, a 'keeping up with the Jones': improved reception - yes, for those who can afford to pay and who can appreciate the nuances of the improved reception - but, in the main, the beneficiaries will be those selling specialised equipment which will have to be imported - a further drain on precious overseas funds.

True the Chairman of the Broadcasting Corporation has said that the introduction of FM "will not divert resources" - perhaps not from TV, but almost certainly from the reconstruction of Radio New Zealand's Shortwave facilities which are estimated to cost upwards of \$6 million.

to page 7

NEW ZEALAND RADIO DX LEAGUE

President: A.T.Cushen, M.B.E.
 Hon.Secretary: Mrs.Irene Simpson
 Administration Committee (Membership, Policy,
 Competitions, Subscriptions) - P.O.Box 1313, INVERCARGILL.
 Editorial (Enquiries regarding content & distribution of the 'Times' ONLY) -
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② FROM THE BRANCHES

AUCKLAND: The March meeting was attended by 17 members who heard a short talk by Douglas Doull on

his interest in the hobby. Bob Logan demonstrated his exotic new digital clock. (Not the Pioneer Audio Digital Timer - by any chance? Ed.) COMPETITIONS: Broadcast: Senior - Mark Nicholls KWKH 1130 50kw. Junior - Arthur de Maine KGMB 590 5 kw (a slow one). SW over 9: Bill Huddleston - Austria 21500. Under 9: Bill Huddleston Sana'a 4853. NEXT MEETING: At the NZART Clubrooms, 3000 Gt. North Rd., New Lynn - 2 pm 26 April. Enquiries/directions - Jim Gorman, Tel. 298-5534.

SOUTHLAND: 17 attended the meeting at Lindsay Robinson's and discussed the recent Tiwai weekend. A letter from the City Engineer raised the question of the height of masts under the new District Plan and the Branch is to be represented at a meeting of interested groups. Laurie Boyer, who had been on the ALL BLACK Tour of North America and Wales last year also visited South Africa. He spoke on his experiences and on the radio stations he had heard on three continents. Another guest was David Lawson, of Gladstone, Queensland, visiting Invercargill on smelter business. David, who is a member of the Southern Cross Club told of his listening in Western Australia and in Queensland. COMPETITIONS: Best of Month - Ray Crawford Biak, Indonesia 1035 10 kw. Rest of World - Bob Dunstan KFAX San Francisco 1100 50 kw. SW - Over 9: Russell Winter Swiss R.I. 15305, Under 9: Bob Dunstan Radio Dublin 6910 400w. NEXT MEETING: At Eddie MacAskills, 167 Isabella St. on Tuesday 28 April at 7.30 pm.

WELLINGTON: No news, but the NEXT MEETING is to be held at Ron Cundy's place, 21 Quetta Street, Ngaio at 8 pm on Friday, 24 April.

SUBS. 1981

THERE FOLLOW LISTS OF MEMBERS WHOSE SUBSCRIPTIONS ARE DUE FOR RENEWAL IN MAY AND JUNE 1981:

MAY 1981 - The amount due is: N.Z. \$6.50: Aust & S.Pac. \$9.00: N.Am & Asia \$10.50: Eur.Af. S.Am & Mid.East \$11.50.

Acott S. Allan A.J. Auld D. Austin T, Baird R.A. Betham F.K. Chenery C. Clarke J.A. Coombe H.W. Couchman K.G. Dalhoff J.E. Greener P. Grenfell P. Helm B.V. Hobnan R. Hodder D.J. Hull P. James R. Jensen K. Johns D.M. Johnson K. Jones W.G. Larsen S. List Mrs V.M. Maclean M.H.A. McLaughlin Fr J. Mainland J.C. Meakin Miss M. Morrison R. Muir G.G. Nicholls M. Padula R.J. Pearse G.K. Perston J. Pijacan M. Ricquish D. Ritchie K.R. Rozendaal H. Schot J.F. Shannon J.L. Simpson J.C. Sutton E.A. Tee G.D. Greenhill T.J. Vickerstaff A.A. Watts E.T. Whittington L.H. Williams M. Williamson Rev G. Sutherland A.J.

JUNE 1981 - And for those renewing in June the amount to pay is: N.Z. \$3.00: Aust & S.Pac. \$4.50: N.Am & Asia \$5.00: Eur.Af.S.Am & ME \$6.00.

Baker G. Balfour G. Barraclough C.E. Bellamy W.A. Bennett S. Bolton D.H. Breeze A. Bunckenburg L.W. Chapman D.C. Conner R.G. Cullen L. Davey D.H. Davies J. De Maine A. Dickason P.A. Donnelly I. Duigan V.M. Durey F.L. Hadlow M. Hurley P.G. Jackson L & R. Jones A. Jonkers J.K. Looker H.J. McFadden T.A.D. Macpherson M. Mallinson Jr. W.J. Mathews R.R. Miller S.D. Olney P. Pacey N.B.W. Palmer, P.C. Rogers K.R. Rose L.T. Sands P.D. Shepherd B.F. Simpson, Mrs.I. Thompson A.H. Van Dyk V. Waters G.R. Watson R. Wright R.W. Yeates J.S. NOTE: The names of members residing overseas are underlined.

market square FOR SALE

SONY ICF6800W Receiver, 2 years old, near new \$500 o.n.o. Tel. Wellington 861-321 after 6 pm or write P.O.Box 25055, Wellington 3.

YAESU FRG7 in good order with narrow band filter (not fitted) \$375. J.Macfarlane, 29 College St. Wanganui.

SONY ICF6700W FM/AM Multi-band Receiver - New condition \$450. J.Thornburrow, 44 McLean Street, Woodville. Tel. 8547.

LATE ITEM: Radio Rhema 1269 kHz, 400 w. Thurs 16 Apr to Sun 10 May 1981. Transmitting station: NZMS Series 1, Nelson S20 527,234 - 0600 - 2400 hrs daily

BROADCAST DX

POR EL PERSONAL NECESARIO

③

Once again conditions have been reasonable, and the improved reception is reflected in the contributors notes. Unfortunately reception from Southern South America has not been as good this year as it was last, and although some loggings have been made from this area, the large number of stations heard from Uruguay last year, have not made an appearance.

The only news this month is from the Southland area. Foveaux Radio 1224 kHz is due on the air officially on the 2 May, but should be transmitting a few weeks before the due date. If you have been hearing tone tests around the frequency don't jump to any conclusions, it seems that the post office have been carrying out tests to see what affect 1224 will have on other frequencies, only problem was that the post office tested on a frequency of 1210 kHz, and succeeded in blocking out 4XO in the Invercargill area.

Once again there is achance to log a short term station in the Gore area. Radio Sunshine will have their transmitter in Gore for the OXFORD Kindergartens fund raising weekend. Transmission will be on a frequency of 1548 kHz, from 1800 on Thursday 16 April to 2400 hours Tuesday 21 April, power of 100 watts. Address for reports, could be Radio Sunshine in Dunedin or the Warrant holders address Oxford Kindergarten, P.O.Box, 23. Gore. A.Cushen.

MAILBAG.

RAY CRAWFORD, Invercargill. is first up this month with some interesting logs of 2ZB, 3ZA, 2XW, 1ZE, 1ZN/zk, 1ZO, 2XA, XEEP, CFOR, KARZ, CHSC, Merida 1490, Seychelles 1368, Sutatenza 590, 700, R.U. 1422, and 4ZG. veries in from KSSK, KRE, 4XS, 4QR, 2XM, RRI Biak 1037, and 4VEF 840, for country 167, very good.

FRANK GLEN, Nelson, in a first contribution has logs of 2XM, 2GN, 1XX and CFCN, veries in from KPBK, CHUB, 5RM, 2JJ, Radio Kapiti. thanks for notes, only one moan, please send mw and sw on separate sheets of paper as one goes to Invgl. and the other to Auckland. ta.

MICHAEL SMITH, Opunake, reports Sabah 780, LRA1 870, LRA1 1070, veries 4EB, WBBM, KSSK, WWL, and Seychelles. ta.

BRYAN CLARK, Auckland. has logs from East Cape of Colo Colo, Active 1233, Onda Popular 1040, Vanuatu, WCBS 880, KLEI, KDEO, Vision 1310, Beromunster 1566, HJBS, HJCO 1130, KGAR, and from Pauanui logs of Dubai, KNUI, Calidad, 2YW, GLOBO 1220. Mineria, Antilles 740, CB118. veries in are KRE, 2XK, and 4XW. beauty, good luck with Globo.

MARK NICHOLLS, Auckland. Logs of R.U. Maska Radio, 1ZE, 1ZU, 2ZD, VL2NI, Antilles 930, Calidad, Tahiti, KUAM, Sutatenza 810 KIRO, KRIO, KGNC, KRMG, and veries back are 1XG, WVUV, KWKH. fine.

DAVID RICQUISH, Wellington, has logs from Te Araroa 20-24 March, of 1ZA, ZD, ZH, ZO, ZU. 2ZC, ZG, ZK, 4GY, NA, KSSK, KNUI, KLEI, KRIO, WCBS, CBU, CFPR, Samoa 540, 1359, 1404 Fiji 558, 639, 774, 1206, Noumea 666, Tahiti 738, Kiribati 846, Solomons 945, Tonga 1017, Wallis 1188, Sutatenza 700, and Mundial 1370, QSLs are 1XL, 2XK, 2XN, 1ZH, 1ZO, 2ZG, VOA Thailand 1575 in 2 weeks. Cleaning up the Pacific?

LAURIE BOYER, Invercargill, has a large list of loggings, KKUA, Vladivostok 648 Fiji 927, KSSK, KDEO, R.U. Seychelles, 2oo, Dubai 1487, S. Arabia 1440, Langenberg 1593, Oman 1413, Cyprus 1233, CKWX, Fiji 1467, 891, 5DN, 2MW, KKON, KNIX, KCRL, KARZ, 2ZN, 3ZC, 2ZM, 2ZB, 4ZG, 3YA, Massey, 4XD, 3EA USSR 1548, 2WS, 2KO, 2NZ, Vanuatu, Yemen 1188, Jeddah 1512, 2CP, 7SH, 6PM, 3AK, Syria 828, Turkey 1062, 2EN, 2GN, and veries 2XJ, 1ZA, 3ZC, Fiji 558, 774, Dauphin 1557, Austria 1436, 2ZB, 2ZM, 4XD, 3YA, 2ZC, 3ZM KHVH, Fiandhrantsoa 1602, 2WS, 2NZ, 2KO, KSSK, KDEO, 4ZG, USSR 1548, 2KW, 5DN and 7SH, total must be growing.

STUART FORSYTH, Darfield. (Canterbury) has veries from TEX, 2WG, 2ST 999 and 1215, 3EA, 8TC, 8AL, 1XL, 2XK, 2XJ, 4XS, 1XG, KVOO, KSSK, KFAB, KLEO, KOHO, 4RO, 4YZ, 2ZE, 2ZH, 2ZK, 2ZW, 1YE, 1YW, 2YX, 3YW, 2QN, and KFAY,

ROBIN CHAMBERS, Opunake. reports R.U. Active, CB118, HCEW2, 8GO, HLLK, CX16 Paradise 825, Jeddah 648, Reunion 729, veries 2XM, JOAB, 2XK. good thanks for trail.

LYALL MATHIESON, Morrinsville. logs Fiji 774, KPBK, KVOO, WVUV, KHVH, KDAY, 2XJ, 2XK, 3XA, 3XG, 7SD, KIKI, and Radio Nambassaland 1XN, veries KPBK, with 2 Krisbees, KHVH, 2XJ, KSSK, and 3XA, we dont think Sweetwaters was on the air.

BOB DUNSTONE, Invercargill, has veries from 2XM, KFAK, and reports to WHam, KVOO, Sutatenza 700 and CHLO. ta.

BRIAN WEBB, UPPER HUTT. has reports out to 1XB, 2NC, R.U. 4ZG, 2XA, 2XM, 1ZU, 2XK, 3XG, 4QY, 4XA, 4ZA, 4ZF, 5DN, Fiji 810.891, 927, veries, 1ZU, 2MC, 2XJ, 2ZK, 5DN, 1XB, 2XA, 2XM, 4QY, 8DR, KNIX, and Fiji 810,891 and 927, being two months notes.

CHRIS MARTIN, NSW. Veries KSLM, 3GL 1341, KSDO, CKYL, CJBC, KATB and 4CA no reports. too busy?

TIM AUSTIN, Bluff, one mediumwave QSL vatican 1530. only.

MIKE SMITH, Christchurch. reports 4NA, 3KZ, veries are KGA, CMKA, KSSK and Singapore 792. ta.

KEITH ROBINSON, Kapuka, has reported 3MA, WL, XU. Fiji 774, KARZ, KUHL, KBAI, Samoa 1062, 4ZR, 1YT, KDEO, and QsIs USSR, 1251, 4ZF, 2FC, 1XL, 3XG, 4XS, A3Z 2XM, 2NA 2XK, Noumea, KSSK and 4ZG.

VIVIAN VAN DYK, Auckland. no QSLs in but reports out to 2KY, 3XY, KSSK, Massey Radio, Fiji 774 and Active. thanks.

LYALL MATHIESON, Morrinsville, with a second lot of notes the previous ones being last months. logs KVOO, WVUV, 2BS, 3AK, 4GR, 4AY, 3KZ, 4TO, 2GF, 2LF, 2PK, 3mP. veries KIRO, 2ZG, 2YW, 2GN, 3XY, 200, 2VM, 3CV, 2ZK, 2MC, 2WS, 2GB, 2NZ, 2MW, 2XM, 4AY, 2LF, 7SL, and 3MP.

BRIAN WEBB, Upper Hutt. this is the third lot of notes I have found from you, veries 2NC, 2XK, 4QA, QB, QO, 4QR, QS, RK, JK.

DENE LYNNEBERG, Pukerua Bay. reports out to 3EA, 2XM, 2XA, 1XB, KSSK, KDEO, QSLed are 1YA, YC, ZM, XX, XW, 2XM, 2XK, 3XG, 3ZC, 4ZW, 4XD, 3EA, fine.

HANK WILKINSON, California. veries 2YM, 4ZW, reports, Fiji 774, 4QR your pacific total must be climbing.

IAN CATTERMOLE, Blenheim, Fiji 774, R.U. and 2AP are the reports. and one verie KSSK,

BILL WOLLER. Opunake, has one log verie, Seychelles 1368. great.

RUSSELL WINTER, Invercargill, has one verie only 4ZG.

④

NEWS.

SEYCHELLES. Radio Seychelles currently being heard on 1368 kHz, around 1800 sign off, has verified Michael Smith Opunake, with a plain white card, with a black silhouette of the Island landscape. Verie was from Chief Engineer.

USA. WWL verie signer is Hugh R. Burney Director of Technical services.

AUSTRALIA. 4EB verie signer, Steve Blair P.O. Box 57, West End 4101, Qld. M.S. Opunake. 3EA advised Stuart Porsyth they have no Box number, address is 35 Bank st, Sth Melbourne, Victoria 3205.

Northern Territory. The English language programme of Radio Australia is carried 1430 to 1930 GMT on the following 8AL, 8DR, 8GO, 8JB, 8KN, 8TC. David Ricquish.

MORNING TRAIL, from Robin Chambers.

594 Kuala Lumpur fair 1823.
621 Cairo excellant 1830.
648 Jeddah strong 1803-1833.
684 8TC good 1800.
702 DZAS News 1348, Oman strong with Arabic 1823.
729 Reunion French good signal 1805-1833, heavy QRN, 24/3.
738 Israel Arabic fair good 1850.
747 Sarakeb under Aussie tone 1835.
774 Egypt excellant 1835.
819 Batra Arabic under 1YZ, 1835.
854 Ethiopia very good 1837.
909 LYLA Good news at 1313, ID 1315 DYLA and DYLA-FM, and "Row under South Seas Broadcasting Service." Baghdad strong 1817.
990 8GO good copy at times carrying relay of Radio Australia, 1718.
1125 Libya good 1820.
1134 Kuwait over 4YQ 1835.
1188 Tehran good 1835.
1250 Tripoli good 1830.
1305 DYFX good 1420.
1360 Kirkuk good 1828.
1440 Damman excellant all over Aussie 1915.
1467 HLKN good 0948.
1481 Dubai often here 1845.
1530 Vatican mixed with Iran 1840.
1550 I.C.R.T. good 1835.
1566 Bandar Abbas fair 1845.

NEWS.

BROADCAST TRAIL

⑤

Trail from Bryan Clark at East Cape and Pauanui.
540 Samoa morning service V/ good
580 Tuvalu fair in dialect 0640
600 KOGO "Oldies for Goodies " Ex. 06
620 Unid with AP Nx 0900, call like KTTL .Any clues.
620 KIPA Hawaii in JJ 0712 mixed.
670 Cuba with western orchestals.
690 CBU s/off with " o,Canada"0900
700 TIHB R. Reloj w/ss talks 0639.
700 HJCX Sutatenza good at s/on 0901.
720 La Voz de Cuba 0615 //600best.
725 Unid SS 0834 assumed TILX poor.
730 HJCU Melodia ident good 0905.
740 Radio Antilles in FF 0933 fair.
780 La Voz de Cuba 0541 fair .
825 Radio Paradise poor 0906.
880 Radio Union good all evening.
880 WCBS over Union 0730-0736.
930 Radio Antilles often in EEO900.
940 "KDEO country " fair 1530-1600.
940 Unid RCN net Colombian 0955.
985 Latin assumed Peru quite good.
995 Ecuadoran fair in the clear 0923.
1005 HJCU Colosal still here 0829.
1040 OBX40 Onda Popular 0607-1040.
1060 CB106 Minería V/good 0550-0610.
1070 LRL El Mundo ident thru KNX.
1130 KWKH i/d country Mx 0547 fair.
1130 HJCO Eldorado Todelier net V/ G.
1130 KLEI finally heard 1605 EZL form.
1180 RCN& Colombians mixed 0709.
1180YVUNJ Petrolera singing i.d 0838.
1180 CB118 Chile en el Mundo mxd .
1190 HJCV Cordillera V/good 0652.
1220 Globo Brazil at last 0618-0700.
1310 Martinique V/good with pops.
1310 HJZJ Radio Vision pops 0640.
1339 HJ-- RCN net good 0608 -0635.
1379 CB138 Colo Colo reg all evening..
1420 HJ-- Caracol net 0527 often.
1440 Unid Arabic mixed 2CN past 1812.
1481 Dubai audible 1800 in spite of 1XA.
1520 HJELI Latina - "la maquin ? en radio 0555.
1530 KGBT SS 0524 Ex by 0605 reg.
1530 Vatican fair 1810 in Slav lang.
1550 HJZI Fantasia EE pops 0535.
1560 WQXR w/ classical conc.0643-0710.
1566 Switzerland GG 1754-1824.
590 R. Sutatenza Colombia 0900 fair. TY..
620 WSUN fair Nx & Wx 0830 8/3 TY.
650 WSM fair Wx 0858 8/3 TY.
710 KIRO & KONC mixed 0824 . MN.
770 R. Oriental good 0935-0945. RC..
725 TILX SS here fair 0838- 0852 RC.
740 KRMG good 0622 MN.
780 R. Malaysia Sabah V/good 1200 MS.
790 LR6 fair 0714 MS.
830 R. Huancavilca Ecuador good 1025 TY.
840 R. Aeropuerto 1035 good . TY.
850 R. Carve good 0915-0925. RC.
890 WLS poor splash 2XW 0622. MN.
910 KRIO good mixed others 0800. MN.
960 KARZ fair 0720 TY.
970 "97 Country " i/ds - who? 0730 TY.
990 HJDB good on ESE 0935. RC..
995 HCEW2 " Frecuencia Mil " 0936. RC.
1060 XEEP numerous i/ds then cont. class. music first i/d heard in months 0730. TY.
1140 CB114 EE pops 1035 RC.
1150 Sth Am. good at times 0740 . RC.
1180 CB118 good 0945- 1002. RC..
1233 Radio Active good 2326- 0000. RC.
1490 R. Merido Venezuela fair 1015. TY.
1540 R. Bahamas very good 0610 TY.
1550 " R. 1550" Voz Portena Colombia fair with local & RCNI/ds 0755. TY..
1600 KOGT MIXED KCRG 0800. BW.
R. Chambers. M. Nicholls. M. Smith. B. Woller. TY. Ray Crawford, Bob Dunstone, Arthur Cushen, Steven Greenyer.

BEST OF THE MONTH

Bill Woller. ZCQ 3 . Seychelles 1368khz 10 kws. 161 pts.

MAILBAG CONTINUED.

JACK SEARLE, Haumoana, reports to VL2NI, 2AP, 2XM, Rhema. QSLs 2XK, 2XM. Rhema.

PETER JONES, Hamilton. logs 4QG, 4ZG, 200, QSLs 1XL, 2XK, 1XP, 4ZG, and KSSK.

ARTHUR CUSHEN, Invercargill. has veries in from Fiji 1467, 2XM, 2XK, and 4ZG, reports are out to Seychelles 1368 and Radio 15-50. good.

STATION HIT BY ATOMIC BOMB

(Reprinted from 'DX News')

Jerry Starr

It is not widely known in DX circles, perhaps not known at all, but in 1955 a 250 watt station (1240 kHz) was rocked by the blast of an atomic weapon which detonated only 4700 feet away. Although I had heard this story years ago from family members who worked for the Atomic Energy Commission (now the other NRC) it was lost in memory until several days ago. While sorting through the veries of the late Norm Maguire I came across what has to be one of the rarest QSLs ever. Here is the story. Now it can be told, as they say in the land of declassified information.

In the spring of 1955 on the Yucca Flats Test Site in Nevada, the United States was still conducting above-ground nuclear testing. This project, officially known as Project 32.5, was better known as Operation Cue. In the area near Mercury, Nevada an experimental "survival city" was constructed by the Federal Civil Defense Administration consisting of various types of structures, houses, stores, public buildings of brick, wood, cement, etc. The "city" was built 4700 feet away from the base of a tower to be used for a test detonation of an atomic devise (bomb). After the films of these various structures being hit by the shock wave were made public, they were shown widely on television and in theater news-reels. Some older members might remember seeing these films. Some buildings were simply swept away as if in a tornado and their mannequin occupants were torn asunder. More sturdy structures only had their windows blown out. It was all very interesting in a morbid sense, and very frightening.

Never publicised was the fact that a complete, operating radio broadcast station had also been built at Survival City. Since radio communications would provide a vital link in the event of an actual A-bomb attack, it was deemed important to study how well a typical station might survive a close hit.

Using equipment donated by the Electronics Manufacturers Association, station KO2XDM was built. Several times in late April 1955 the 250 watt signal on 1240 (the old Conelrad frequency) was put on the air. Chosen for reasons never revealed, the voice of James Little, news director of WTAG Worcester, MA, was heard crackling through the still desert air with this recorded message:

"This is Radio Station KO2XDM located at the test site of the Atomic Energy Commission at 4700 feet, less than one mile, from ground zero. We are part of a test group confirming the effects of a nuclear explosion on typical civilian broadcasting equipment. Of particular interest is this amplitude modulated broadcast station operating on 1240 kilocycles, a frequency set up for communications during Civil Defense emergencies. Whether we will be able to continue to broadcast depends upon the extent of damage our transmitter and other equipment sustain. This is a tape recording especially prepared for this test."

Due to weather conditions the test was postponed several times but in the early morning hours of May 5, 1955 the terror atop the tower in Mercury, Nevada was unleashed. Amazingly, the station remained operational after the blast from Operation Cue except for the fact that the power service line into the building was snapped. Some equipment was "tumbled" in the words of the AEC, but upon restoring power on May 6th, the station was returned to the air. Less than a mile from ground-zero, the 150-foot guyed tower still stood!

Within the month KO2XDN was removed from the site and was never heard again. The short broadcast on the afternoon of May 6, 1955 was it's last.

Post Script: Norm, DXing at 0200 on the morning of May 5 in Albuquerque, heard the test transmission, sent a report and, amazingly, got a nice v/l from the Office of Civil Defense. This verie, along with the rest of his collection, will be on display at the 1981 NRC Convention. See you there.
-Jerry Starr (Feb. 1981)

PRIORITIES or DESIRES? (continued)

And why should we be concerned about RNZ's overseas service. Internationally our future is inextricably bound up with Asia and Oceania yet our voice is carried to these areas - and the rest of the world - only by the over thirty year old, low-powered transmitters located at Titahi Bay just north of Wellington. Ten years ago there were 27 countries with transmissions beamed to the Pacific - now there are nearly 50 using over 400 channels with an average power per channel of more than 150 kW compared to the 7.5 kW used by RNZ. Apart from the BBC, Australia, China, W. Germany, Japan, the USA and the USSR are among those speaking to our region, in many tongues.

It is vital that New Zealand's voice should be heard loud and clear over the airwaves and to achieve this the SW service must be upgraded. Surely this must take priority over a luxury such as FM however desirable the latter may be.

Ed.

bits & pieces put together by cecil symmes

competitions: First up the news that apparently no one wants the very nice Spanish Language Dictionary presented by Ian Cattermole for a competition entries for which closed on 31 March. Sad but that's the way it goes - and so we shall be returning the book to Ian with our grateful thanks for his kind thought.

Second is the 1981 Radio Monitors International Contest - this year, by contrast with 1980, being described as a 'MINI-CONTEST'. The prizes offered, however, appear to be much on the same lines as in earlier years. This year there are just 10 questions to be answered in the 'Mini-Contest' the date of which is Sunday, 31 May 1981. And here are the questions:

- 1 and 2 Identify two stations by tuning signals.
- 3 and 4 Identify two stations in answer to questions.
- 5 and 6 Give reception reports of any 2 AWR or ARN channels.
- 7 and 8 What two AWR programmes do you like best and why? (One paragraph each)
- 9 and 10 What two AWR programmes do you like least and why? (One paragraph each)

Entries which must be postmarked on or before Monday, 8 June, must be sent to AWR-Asia only and must arrive on or before 30 June. Entrants will be notified of the results by post and these are scheduled for broadcast in 'RMI' on Sunday 26 July. The contest answers are scheduled to be broadcast in the 'RMI' programme on Sunday, 21 June.

The contest schedule is as follows:

Saturday, 30 May GMT	1915 GMT	11800	15115	15120	
Sunday, 31 May GMT	1100 GMT	11835	15120	17850	
	1300 GMT	864	693	918	1305
		90.8	93.3	4940	
	1500 GMT	6075	9720		

STOP PRESS

Hope we have this one right - got it second-hand. Arthur Cushen advises that Radio Print Handicapped 3RPH on 1705 kHz with 500 w was heard testing at 1130 GMT on 7 April. The station is located at Collingwood, a suburb of Melbourne.

⑧ from our contemporaries:

A couple of items in FRENEX (Feb.81) caught the eye. The first a report from Ibrahim Caglayan that he is instructor of a class on "Shortwave Listening" being taught at the Experimental College of the University of Washington. He believes this is the first SWL course to be offered through a college.

The second item was an article by Peter Martins, Principal Engineer, Radio RSA, on "Noise & Reporting". The point is made that noise should not be confused with interference, the latter being man-made while noise is created by natural causes such as atmospheric, predominant in the lower frequencies, and galactic noise, predominant in the higher frequencies. He goes on to suggest that most broadcasters prefer monitors to omit a noise rating from reports as there is nothing they, the broadcasters, can do about it. To an extent this also applies to the 'P' (propagation) or the alternative 'F' (fading) and he says the BBC uses only SIO ratings, these being the only ones over which the station has some control. RSA, however, prefers to use a SIFO system, these being the most important categories to the station. The 'O' is the summation of the general readability of the signal - if, for example, the SIFO report was 5442, the only possible reason for the 2 would be noise. The last point made is that RSA prefers to use only 'S' = satisfactory, and 'U' = unsatisfactory, to describe the general readability of a signal, the point being that the listener finds the signal pleasant or unpleasant - there is nothing in between.

Noted from Danish SWCI News - World Music Radio is back on air every Sunday at 2120 GMT (until summertime is introduced 2220 GMT). The station is overloaded with reception reports and listeners are asked not to ask for a QSL card for the next few weeks but to write with requests and news for the DX programme. (Mar.81 via Poul Foged.)

We note that the 1981 UADX Survey of Afro Asian Pacific Stations in the Tropical Bands is to be published in April. No indication of the cost as yet. This year the survey will be compiled and printed in Germany by Gerhard Werdin, Niederbeckstr. 43, 4000 Dusseldorf 30, W.Germany.

In December last 'Sweden calling DXers' stated that at the European Security Conference in Madrid the Soviet Union, after years of denials admitted that it jams broadcasts from the West. This was during a discussion on compliance with the Helsinki Agreement on the free flow of information between East and West. The Soviet stance was that Western broadcasts are 'harmful to detente' and that the jamming was necessary to protect detente. (via AP) SCOX also notes that the 'western-backed' government of South Korea operates extensive jamming against North Korea. No fewer than eight MW channels, some SW and one TV channel are jammed in the Seoul area. The MW jamming is a sophisticated mixture of noise and over-modulation of a Korean broadcast. However, the jamming is rather narrow band so that it does not splatter adjacent channels.

Lastly another item from FRENEX (Mar.81). Reply to a question regarding the disbanding of the SW Club and the change in QSL policy, Ian McFarland of Radio Canada International said that the adverse reaction from the DX community at the time had been natural. He went on to say:

"Well, as I guess most of our listeners realise by now, it wasn't a matter of saving money on QSLs and spending it on programs or anything else. It was a matter of having to cut expenses because the money simply wasn't there in the first place. In the last couple of years before we switched to our present QSL policy we sent out about 40,000 QSL cards. Last year we received about 2800 QSL cards from listeners who sent them in to be verified. So it would appear that the majority of the 52,000 people on our program schedule mailing list are quite content to keep the annual QSL card and either discard it or use it as a wall decoration. So it would appear that the QSL card hunters are indeed a rather small percentage of the overall SW listening public. In the light of what a number of other major international broadcasting stations have done in the last year or two, it looks like RCI was something of an innovator."

LETTERS:

I always enjoy it when what I write draws some sort of comment - anything is better than being ignored. ⑨

The editorial on 'Radio Countries' has drawn both flak and cautious interest. At this time I don't propose to say more than that I have had one comment each from New Zealand and Europe and a couple from USA. Hope there may be more forthcoming and then I'll have another go.

Our Californian correspondents are both with us this month. Have sent your notes on the antenna on to Barry Williams, Frank Crow, and he will deal with that I hope. You take me to task about my denigration of the ladders - I think it right that from time to time we should question the value of the 'sacred cows' of any hobby or occupation. I question the value of the Ladders as a measure of achievement - I also know that, largely because of the changed policies of many of the major international broadcasters, few, if any, of the newcomers to the hobby are likely to achieve the 7500 verifications which Arthur Cushen noted in his February column. Radio Countries though are something else again except perhaps as I used them - to analyse the source of my 500 plus verifications. And now on to Hank Wilkinson who is also a supporter of the Ladders and Continents sections - so am I incidentally - he also comments on the Radio Countries issue in a second letter. Lastly he says he hopes to move to Oregon and to do some occasional MW DXing from a seaside area using 'Beverages'. Hank says the location he has in mind would be the 'Tiwai' or 'Te Araroa' of mainland USA. Good luck to you Hank, we'll expect some fabulous trails in the future! And I knew I'd forgotten something - Hank would like to know the name(s) of the editor(s) who is (are) responsible for the Broadcast DX section of the 'Times'. So would I! It is a co-operative effort down there in the far south. I know that Arthur Cushen, Ray Crawford, Steven Greenyer and Eric McIntosh all take a hand from time to time. There are probably others who I don't know about. What about coming out into the open, fellows, and take a bow?

My next letter is from B.F. Shepherd who writes:

"When I first began to receive copies about a year ago, I was surprised to read of loop aerials, etc which, so far as I was concerned went back to my earliest days of radio along with TRF and Autodyne sets and similarly part-forgotten things.

And there it would have stayed had not your man stated that little seems to have been written about the Beverage aerial: out of curiosity I looked up the ARRL antenna book, and would agree that the description is pretty yuk.

But I reflected that I did have a good description of the Beverage. It is from the first radio textbook I bought, the Admiralty Handbook of Wireless Telegraphy 1931. It is hardly a handbook, being the size of a pretty large dictionary and having over 1000 pages of solid matter - in fact, it's a bit forbidding. A good deal of the matter is obviously long since superseded, but more than a little remains as true today as it was then. I no longer use it, of course, and retain it mainly out of some sort of sentiment."

Mr. Shepherd continues with some comments and even suggests a little competition - roll your own Beverage aerial from the ground up. He has also sent the text from the Admiralty Handbook including the diagrams. Thanks a lot for all that - I'm passing your letter and the enclosure on to Barry Williams, the author of the article on Beverages. He is also an Aucklander so it seems likely he may be in contact.

My thanks go to Paul Ormandy and Bryan Clark for producing Latin QSL Scoreboard. Wonder how your 'Coordinated Listening Project' went. I see that Barry didn't get it into Bandwatch and I got your note as I was leaving to go on holiday on 12 March. Why not set up one or two more of the same - but give us a bit of warning so that the membership can get geared up.

Lastly thanks to those members who wrote offering their services for editorial duties. One of the positions was essentially Wellington based and the other Auckland. For the time being the problems seem to have resolved themselves but again thanks for your offers anyway.

latin qsl scoreboard

prepared by
PAUL ORMANDY

LATIN QSL SCOREBOARD 1977-80 (continued)

11

The following is a compilation of QSLs from Latin America received by League members during the period April 1977 to December 1980 and follows on from the last survey published in the April 1977 DX Times. For comparison with the earlier survey, which covered 1974-1977, the number of QSLs received for each country in that earlier period is noted in brackets. The list excludes international broadcasters such as HCJB, Radiobras and the Caribbean relays of BBC/DW.

Statistically, the number of verifications reported has increased by 70% from 278 to 469, with the emergence of previously unlisted countries Surinam and El Salvador lifting the total to 488. The greatest increase in QSLs is from Brazil, up nearly 500%, and the number of stations listed is up from 93 to 149. With any luck we will see an even greater number of Latin American QSLs reported in the next 3 years.

I hope this guide gives all members a better idea of their chances of verifying those exotic Latins, and aid those wishing to expand their countries total. The bracketed number after each station is the number of veries - if no number is specified, there was only one verie reported over the last 3 years.

ARGENTINA (10)

Radio Splendid 9585 9740 11880 (7)
Radio Nacional Mendoza 6180 (3)
R. Municipal de Malargue 6160 (3)
Radio El Mundo 6120 11755 15290 (14)
Radio Nacional B.A. 6060 (7)
Radio Rivadavia 5882 (3)

LA EMISORA MAS POPULAR DE
LATINOAMERICA

"GRIGOTA"



ONDA CORTA 4.825 KHz. 80 Mts.
ONDA MEDIA 1.340 KHz. 223 Mts.
F.M. 90 MHz
974 CRUZ BOLIVIA

BELIZE (13)

Radio Belize 3285 (3)

BOLIVIA (5)

Radio Fides 4845 (9)
La Cruz del Sur 4875
Radio Nueva America 4797 (6)
Radio Tropico 4775 (2)
Radio Nacional 4815
Radioemissora Bolivia 4755
Radio Batallon Colorados 6185 (2)
Radio Los Andes 4775

CHILE (5)

La Voz de Chile 15130 15150 etc (30+)
Radio Patagonia 6080
Radio Universidad 6135 (4)
Radio Agricultura 9630 (2)
Radio Calama 6100 (2)

COLOMBIA (58)

Radio Nacional 6180 9635 11795 15335 (9)
Ecos del Combeima 6025 (2)
Emissora Nueva Granada 6160 (4)
La Voz del Caqueta 5035 (3)
Radio Sutatenza 5075 5095 (6)
Radio Neiva 4855 (4)
Radio Surcolombiana 5010
La Voz de Cinaruco 4865 (3)
Radio Bucaramanga 4845 (6)
La Voz del Cauca 6145
Radio Guatapuri 4815 (4)
Emissora Kenedy 4775 (2)

COLOMBIA (continued)

Radio Mira 6015 (2)
Ondas del Orteguaaza 4975
Radio Santa Fé 4965 (6)
Radio Cinco 5040
La Voz de los Centauros 5962 (4)
Emissora Meridiano 4929
La Voz del Llano 6115
Radio Melodia 6140 (now 6045)
Radio Super 6120



COSTA RICA (16)

Radio Noticias del Continente 9490 9615 (9)
Radio Casino 5954 (4)
Radio Reloj 4832 6006 6035 (12)
Faro del Caribe 5055 6035 6175 9645 (20)
Radio Rumbo 6075 (8)
Radio Universidad 6100

DOMINICAN REPUBLIC (24)

Radio TV Dominicana 9505 (2)
Radio Clarin 11700

ECUADOR (33)

Radio Quito 4920 (4)
Escuelas Radiofonicas Populares 3985 (9)
Radio Luz y Vida 4850 (3)
Radio Zaracuy 3390 (2)
Radio Splendit 5025 (4)
Emissora Gran Colombia 4910 (2)
Radio Federación 4960 (6)
La Voz del Napo 3280
Radio Pastaza 3315
La Voz de los Carás 4795 (3)
Radio Nacional Espejo 4680
Radio Rio Amazonas 4870
Ondas Azuayas 4980 (2)

EL SALVADOR (-)

Radio Nacional 9555 (2)

BRAZIL
See
Page

continued...

GALAPAGOS ISLANDS (4)

La Voz de Galapagos 4810 (7)

GUATEMALA (5)

TGMUA Union Radio 5980 (2)
Radio Nacional 6180 (4)
Radio Tezulutan 4835 (5)
La Voz de Nahuala 3360
Radio Cultural 3300 5955 (4)

FRENCH GUYANA (5)

Cayenne F.R.3 4972 (3)

GUYANA (2)

Action Radio 5950 (10)

HAITI (2)

4VEH La Voz Evangelica 9770 11835 (11)

HONDURAS (10)

Radio Juticalpa 4782 (3)
La Voz del Junco 6072
La Voz Evangelica 4820 (6)
Radio Progreso 4920

MARTINIQUE (8)

Fort de France F.R.3 3315 (2)

PARAGUAY (3)

Radio Nacional 6025 9735 (2)

PERU (19)

Radio Imagen 5035
Radio Pampas 4855
Radio Chincaycocha 4860 (2)
La Voz de la Selva 4825 (2)
Radio Nacional 6082
Radio Union 6115 (3)
Radio Tarma 4770
Radio Inca del Peru 4762 (4)
Radio Panamericana 5980
Ondas del Huallaga 3330 (6)
Radio Atlantida 4790
Radio Quillabamba 5025 (2)
Radio Victoria 6020 (2)
Radio San Martin 4810
Radio Tropical 4935 (3)

SURINAM (-)

S.R.S 4850 4780 (16)
Radio Apintie 4790

URUGUAY (1)

Radio El Espectador 11835 (6)
S.O.D.R.E 9515 15273 (7)

VENEZUELA (54)

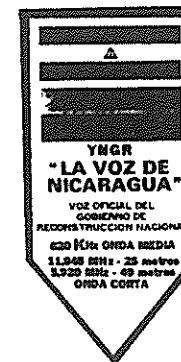
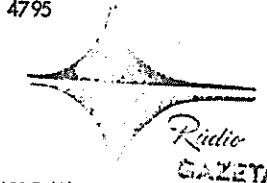
Radio Continente 5030 (2)
Radio Juventud 4900 (3)

VENEZUELA (continued)

Radio Nacional 6170 15390 15400 (7)
Radio Yaracuy 4940 (2)
Radio Los Andes 6010 (2)
Radio Lara 4800
Radio Turismo 6180 (3)
Radio Rumbos 4970 9660 (4)
La Voz del Tigre 3255 (3)
Radio Barquisimeto 4990 9510 (4)
Radio Impacto 3355
Radio Universo 4880
Radio Tropical 4870
Ecos del Torbes 4980 6190 (12)
Radio Maturin 5040 (2)
Radio Occidente (2)

BRAZIL (24)

Radio Cultura da Bahia 4895
Radio Brasil Central 4985 11815 (3)
Radio Bandierantes 6185 9645 11925 (24)
Radio Gazeta 5955 (5)
Radio Difusora Londrina 4815 (6)
Radio Difusora Aquidauana 4795
Radio Tupi 6095 11765 (4)
Radio Rio Mar 9695 (2)
Radio Marumbi 9675 (2)
Radio Timbira 4975 (3)
Radio Tabajara 4795 (2)
Radio Anhanguera 4915 (2)
Radio Nacional Boa Vista 4835 (2)
Radio Guaiaba 5965 11785 (9)
Radio Baré 4855
Radio Clube do Pará 4855 (2)
Radio Sao Paulo 6165 17815 (5)
Radio Relogio Federal 4905 (6)
Radio Cultura 5045 (2)
Radio Barborema 5025 (3)
Radio Globo 6125 (3)
Radio Sociedade 4865
Radio Excelsior 9585
Radio Continental 6195
Radio Guarajá 5975 (2)
Radio TV Gaucha 6135 11915 (9)
Emissora Rural 4765
Radio Aparecida 5035
Radio Diario de Manha 9675 (2)
Radio Educadora Braganca 4825 (3)
Radio Ribeirão Preto 3205 (2)
Radio Capixaba 4935 (2)
Radio Difusão Amazonas 4805 (2)
Radio Xapuri 3411
Radio Cultura Araraquara 3365 (3)



continued next column

Typed by
BC

LEAGUE LADDERS

Broadcast

Shortwave

DIVISION	DEC	APR	INC	CNT
<u>GOLD STAR (1250+)</u>				
Arthur Cushen	2451	2479	28	145
Keith Robinson	2354	2367	13	116
Ray Crawford	?	1593	?	166
Laurie Boyer (1388)	1413	25	-	
Eric McIntosh	1119	1141	22	88
<u>ACE (501 - 750)</u>				
Dene Lynneberg	?	879	?	104
David Ricquish	?	661	?	?
<u>SENIOR (301 - 500)</u>				
Hank Winkinson	499	524	25	79
Ian Cattermole	477	479	2	27
John Campbell	?	374	?	103
<u>INTERMEDIATE (151 - 300)</u>				
Stuart Forsyth	258	206	48	20
Michael Smith(1)(251)	256	5		41
Paul Rawdon	190	193	3	27
Jack Searle	188	193	5	20
Günter Jacob	173	173	0	34
<u>JUNIOR (50 - 150)</u>				
Peter Jones	143	156	13	12
Mike Smith(2)	132	136	4	13
Mark Nicholls	110	123	13	8

KEY TO ABOVE:

- () = did not start until February.
- ? = do not know totals missing, have temporarily misplaced Dec.80 copy of The Times.
- (1)= Michael Smith of Opunake
- (2)= Michael Smith of Christchurch

⇒ When entering the Ladders, PLEASE tell me what the Dec/Jun total was, what your new total is, what the increase is, & how many countries you have!

DIVISION	DEC	APR	INC	CNT
<u>GOLD STAR (1250+)</u>				
Arthur Cushen	4970	5088	118	240
Dene Lynneberg	?	2446	?	218
Ray Crawford	?	1748	?	175
John Mainland	?	1635	?	210
Ian Cattermole	1450	1510	60	141
Günter Jacob	1339	1354	15	131
Jack Searle	1128	1144	16	140
<u>SILVER ACE (751 - 1000)</u>				
John Campbell	?	854	?	225
Lindsay Robinson	796	802	6	120
<u>ACE (501 - 750)</u>				
Peter Jones	746	772	26	123
Eric McIntosh	684	690	6	118
Laurie Boyer (671)	679	8	-	
Paul Rawdon	590	591	1	139
<u>SENIOR (301 - 500)</u>				
Bill Jolly	366	377	11	77
Jack Farrow	331	341	10	55
Mike Smith(2)	321	353	32	76
<u>INTERMEDIATE (151 - 300)</u>				
Stuart Forsyth	178	199	21	67
<u>JUNIOR (50 - 150)</u>				
Michael Williams	135	144	9	43
Arthur deMaine	120	130	10	58
Les Boyd	94	105	11	38
Frank Crow	55	70	15	23

Apologies Bill, perhaps I was crystal ball gazing; Frank, please submit ladder totals and veries on a separate sheet of paper for each. Tai

See ya in June! Stuart.

Shortwave Mailbag

compiled by
Bill Huddleston

The column this month reflects the low DXing period of the summer months. the most interesting veries reported back from R. Apintie, 350watts from Ray Crawford, before he leaves for Australia. A good selection from John Campbell at the present time in England or Sweden. The first report veries from the new Portugese station Radio Renascenca, and other QSLs from Comoro State, Yemen Arab Rep. and Yemen (PDK). This month the Best of the month contest is down to (2) entries, most certainly in need of a little more support, many of the veries reported as in Mailbag, would add greatly to the competition if entered in the Best of the month section. Now to open the Mailbag with:-

Ray Crawford Invercargill? with veries back from WINB 15145, Chile 17790, Apintie 5006, 350watts according to verie Thanks Ray all the best in your new job.

Leigh Morris Now Adelaide has a rare one from Nepal 3425, along with Andorra 15025, Gabon 4777, FEBA 15360, Qatar 9570, Minsk 7420, Kabul 15077, Ulan Bator 11825, Cario 9475 12030, Aden/ Yemen D/A 7190. As you say Leigh, it must be quite different over there, its always good to hear from that side of the Tasman. Tx.

John Campbell England or Sweden has a most interesting group of veries from Peshawar 4965, after (5years) Sao Vicente 3931, Tezulutlan 4835, Namibia 4965, Nicaragua 5950, Spendid 5985, Jayapura 6070, (4years) South Dublin 6210, Polish Pathfinders 11800, Renascenca 11885, plus hobby pirates, Champion 6206, KPO 6227, ARTOHolland 6240, Boston 6275, Corina 7282. many thanks, you seem to have been busy over the long European winter, enjoy the summer if any;

Brian Webb Upper Hutt has been hard at it with 73 reports out and QSLs back from VOA 6060 7110 7200 7230 15180 15205 most after 12 months, SFR 7275 9585, Lisbon 6185 9575 9670 9740 17880, DW 7285, HCJB 15155 15355, KTW 9510 11735 11840 17770, WINB 21525, 17730, Andorra (AWR) 15026, NRK 11850, WYFR 21525, NHK (Sines) 15130, RN B-9770 B-9715, In a report that went astray last month John had veries from RBI 21465, ZYE365 17810, SFR 11730, ZK5 5045, RN L-17605, TWR Monte Carlo 9495, keep up the good work Brian.

Bill Huddleston Auckland has 14 reports out and veries back from R. Bras 17695, KTW 11895 17770, Portugal 9575 11925, RN-Bonaire 9575, Moscow 9800 Minsk 15490

Jack Farrow Lower Hutt has QSLs back from Radio Bras 17810, M6scow 15305 17805 21530, Seoul 15375 with pennant AFRTS 25615, NHK (Sines) 11790, Tx.

Ron James Wellington brings his list up to date with veries back over the last three months from Tashkent 11785, R. Bras 15125 15290 17830, YLE 21465, BEG49 15270, R. Gulf 3245, KTW 9510 17770, RN B-7210, NHK 21610, SRI 21570, RFE Gloria 21730, BBC-Lesotho ? 11720, Malaysia 15295, RNZ 11675, ORF 21740, Kuwait 21545, Vanuatu 7260, Lorengua 3905, Ulan Bator 6383, AFRTS-BY 15345, RA-Shep 21660 21650 17890 17755 15115 15130 11865, good to hear from you again.

Mike Smith Christchurch has 15 report out and QSLs back from ABC/SW VLW9 9610, SRI 9560, FEBC 6030 NHK 15235, RNZ 11675 + pennant, HCJB 15155.

Paul Rawdon Eastbourne has 4 reports out and one back from SKI 17850, if you don't send them out, they don't come back Mike.

Arthur Cushen Invercargill had a list of verifications from WYFR 21465, Turkey 9725, AFRTSVS PHIL 15385, AFRTS GR 11710, Singapore 9530, Kavala 15260 9700, Tinang 11725 7280 15445 6110 15150, Tangier 15205, Wooferton 9760 11760, Riyadh 21530 21440, Moscow 7150 7195, 7230 7240 7370, Yunnan China 4760, WORD 6215, Rome 15245, 15330, Tashkent 9540, 9600, Veritas 17705, Thanks Arthur.

ORF 21500, RFI 15425, Dubai 21700. 11775, Peking 17855 REE 9765.

Shortwave Mailbag

Les Boyd Wanganui Austria 21500
15560, Peking 17635, RN Lopik 11720,
NHK 15145, Norway 21730, Moscow 15300
17805 17870 17880, Poland 7270, Bucharest.
11940 many thanks.

Bryan Clark Auckland has 9 reports out
and QSLs back from WORD Lebanon 6215,
BBC Cranji 11955, BBC London 9915
R. Renascenca 11775, R. Dublin 6288
6910.

Dene Lynneberg Pukerua Bay with 9 reports
sent out and veries back from R.Peking
6520. V.of Vietnam 4944 9840, Tx.

Jack Searle Haumoana has veries back from
RN Lopik 17695, Peking 11600+ Panda pennant
Bucharest 11940, Dubai 17810, R.Korea
15575, AFRTS Philippines 26000,
RM Zhiguleusk.Many thanks Jack.

Laurie Boyer Invercargill reports he has
10 sent out and QSLs back from LLG----?
R. Gulf 3245, Moscow 15320 9450, RN Lopik
11720, Peking 15120, many thanks keep
them coming.

Bill Jolly Kawerau has 9 reports out
and veries back from NHK 17785, RNZ
11945, Tx.

Russell Winter Invercargill sent out
4 reports, and received veries from,
RN Lopik 5955, RN Bonair 9770, SEC
9560 15305, Nth Korea 15570 + pennant.

Peter Jones Hamilton Has QSLs back
from Surinam 4850, Singapore 5052,
SRI 11715, BBC Ascension 11720, BBC
(SSB) 20345, Liberty (Gloria) 25690,
SDR Muhlacker 6030, thanks Peter.

John Mainland Wellington has veries
back from Tripoli 17930, Tehran 9138,
Dublin 6290, WORD Lebanon 6215, Renascenca
11885, Singapore 9535, nice one's John.

Jim Webb Manukau has 9 reports out and
QSL's back from NHK 9505, AIR 11602,
KTWR 11770, Peking 15120, Finland 15265,
RCI 15325, Sweden 21610, RSA 21695, Tx.

Tim Austin Bluff has kept the postie
busy with QSLs back from Saudi Arabia
15060, RN Lopik 11930, +sticker and
pennant. Luxembourg 6090, REE 11730+
pennant. Seoul 6165 + pennant. Polonia
7270, Vatican 9765, Yaounde 4850.3 of
these are new countries. Keep up the good work Tim.

BEST OF THE MONTH

Under 9 MHz

R. Dublin International 6319 Khz
200Watts 139 points

Stuart Forsyth Darfield

Over 9 MHz

Austria 21500 100 KW.
98 Points

Bill Huddleston Auckland

Michael Williams South Australia has
8 reports out and veries back from
BRT 21490, Seoul 9570, HCJB 9745,
TWR Monte Carlo 9495, Budapest 21525,
RN Bonair 9770, Vatican 9615, good to
hear from you, keep up the good work.

Mrs T.B. May New Plymouth has veries
back from R.Bras 17830, Veritas Asia
17705, Bucharest 11940, RAI 11905
Bulgaria 11750, I will write in regard
to the note in your letter.

John Durham Hamilton has a list of
interesting veries for the last two
months, including :-Ikorudu 3326,
RA Shep 17890, RSA 15325, ELWA 4765,
AWR Andorra 6220, Vemarana 3522,
R Educ.Rural, Brussels 26050, Xieng-
-Khouang 5602, Comoro's 3331, Sheng-
yang 4830, Lanzhou 4865, Wenzhou
2476, nice going John.

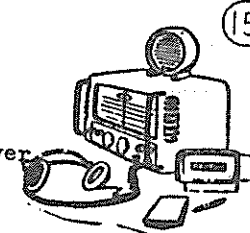
Ian Cattermole Blenheim Has QSLs
back from Moscow 9750 17885, AFRTS
26000, VOA 17740, Calama 6100, BBC
21710, many thanks.

Lindsay Robinson Invercargill has 10
reports out this month with veries
back from Vatican 6210.

Frank Crow Los Angeles has QSLs
back from RSA 11900 NHK 9505, RNZ
17860, RN-Bonair 9590, RSA 15325, RBI
15240, HCJB 15155, good to hear from
you over there.

SHORTWAVE BANDWATCH

with BARRY WILLIAMS of Auckland



We are approaching the time of year for peak
reception of Latin American stations. Already Steven Greenyer
has logged a Brazilian on 90 metres. Our friend Emilio
Povrzenic of Argentina has some very interesting and up
to date South American information which I am sure our
Latin experts will find of great interest.
The logging of the month would be R.Apinte 5006 khz made by Steven. Radio
Dublin is still being heard on 6910 khz and the Cook Islands noted on 9695.

All times are GMT. Add 12 hours for NZ Time. Freq, in khz

FREQ	TIME	COUNTRY	STATION	PROGRAM & RECEPTION DETAILS	INITS
3220	0500	ECUADOR	HCJB	QuitHeard to s/off	SG
3225	0855	BRAZIL	Lins R.Clube	Portuguese, Prog." Music sertaneja	EP*
3335	1758	TAIWAN	Central BC System	Music to 1800 then time pips ID in Chinese then news. Fair signal.	DL
3235	0900	BRAZIL	R.Clube	Marilia, Poor. Music sertaneja.	EP*
3265	0230	BRAZIL	R.Cultura	Pocos de Caldas, Portuguese, ID & slogan " Primeiro lugar em audiencia, primero lugar em corazon do povo."	EP*
3275	0905	BRAZIL	Difusora	Caceres, News, " Despertar alegre "	EP*
3335	0910	BRAZIL	R.Alverada	Londrina, ID, Adverts & music.	EP*
3375	0928	BRAZIL	R.Nacional	San Gabriel, Fair signal with mention of San Gabriel, Full ID and frequency 0957.	SG
3381	0140	ECUADOR	Circuito de Emisoras Iris	(NEW NAME) Esmeraldas Poor in Spanish.	EP*
3385	0920	PAPUA NEW GUINEA	R.East New Britain	Poor with local prog.	EP*
3386	0219	PERU	La Voz del Valle del Mantaro	Jauja, Poor Spanish. Music and poems for lovers.	EP*
3395	0130	ECUADOR	R.Zaracuay	Santo Domingo de los Colorados. Slogan " R.Zaracay escuchada como local dentro y fuera del Ecuador."	EP*
3396	1800	ZIMBABWE	Zimbabwe BC Corp.	Fair with English ID & news.	DL
3985	0050	ECUADOR	Escuelas Radiofonicas Populares	Riobamba, Spanish, Educational program.	EP*
4680	0550	ECUADOR	R.Nac. Espejo	Good signal.	RC
4770	0540	NIGERIA	Kaduna	Strong in English.	RC
4790	0105	PERU	R.Atlantida	Iquitos, ID and announcement asking for reports because this station now using new equipment.	EP*
4795	0205	ECUADOR	La Voz de los Caras	Bahia de Caraquez. Spanish s/off with local music " The Pasodoble "	EP*
4800	1830	LESOTHO	R.Lesotho	Local Gospel Service on Sunday.	AC
4811	0615	UNIDENTIFIED		French with musical program. Utility QRM (This will probably be Africa Number One, Gabon, which has been noted on this frequency. Ed.)	OC
4815	0540	UPPER VOLTA	Quagadougou	Good signal.	RC
4820	1807	ANGOLA	Luanda	heard 19/3 only, with live commentary in Portuguese to past 1825.	BC
4826	1000	PERU	R.Sicuani	(new freq.) s/on and Andean music. " Amanecer cuzqueho "	EP*
4835	0907	BRAZIL	Boa Vista	Good with frequent ID's.	SG
4850	0933	SURINAM	SRS Paramaribo	Poor but clear with pop.mx.Dutch	BC
4870	0600	COTONOU	Benin	ID and again 0630, Fair signal.	RC OC
4990	1825	NIGERIA	FRON	VG copy with " Africa This Week "	JS
4934	1810	KENYA	Nairobi	BBC African news in Eng. followed by BBC news	BC
4965	0900	BRAZIL	R.Sociedade	Frianulo Mineiro, Uberaba, Port. ID	EP*

FREQ	TIME	COUNTRY	STATION	PROGRAM & RECEPTION DETAILS	INITS
4990	0345	VENEZUELA	R.Barquisimeto	Internacional, (new name) ID and announcement of new freq. 9510 khz.	EP*
5006	0829	SURINAM	R.Apinte	fair to good some nights. Indian type music.	SG
5010	0515	CAMEROONS	R.Garoua	Strong local program.	JS
5021	0305	BOLIVIA	R.Dos de Febrero	Rurrenabaque, poor with end of program "Serenata" and s/off.	RC OC
5050	0115	PERU	R.Esmeralda	Huanta, Program of musical congratulations	EP*
5055	0604	BRAZIL	R.Maua	Good Portuguese. Portugues songs, Freq. IDs and time checks given.	DL
5900	0958	CHINA	Fujian Front	VG Standard Chinese. Music prog. Full ID 1000.	DL
5950	0955	CHINA	Hellongjiang PBS	Harbin, VG in Standard Chinese. Program Chinese music.	DL
5970	0050	PERU	R.El Sol	Poor with Sports program. "Peru en Sintonia"	DL
5985	1438	BURMA	Ranggon	music to news at 1445.	EP*
5995	1200	CHINA	Xizang PBS	Lhasa, Program heard under R.Australia and mixed with Moscow. Suspect to be Tibet.	FC*
6000	1200	CHINA	Fujian Front	Good with Standard Chinese. Music.	DL
6000	0615	AUSTRIA	Austrian Radio	Aldrans, Fair in German	DL
6000	0850	BRAZIL	R.Inconfidencia	Good with many IDs & time checks	DL
6005	1203	CHINA	Gansu PBS	Lanzhou, Fair with news relay CPBS then local ID 1230.	DL
6005	0551	GERMAN FED. REP.	RIAS	Fair German.	DL
6010	0500	PERU	R.America	on late with continent sports event 22/3	JS
6015	2300	PARAGUAY	EM.Paraguay	Asuncion, with Gubernamental party program National network.	BC
6030	0955	PHILIPPINES	PEBC	Fair in Tagalog, Suffers strong het. Seems slightly higher than 6030. 1000 ID then news.	EP*
6055	1027	JAPAN	NSB	Good Eng/ Jap. lessons.	DL
6055	0050	BOLIVIA	R.Panamericana	La Paz, (new freq.) Soccer match	EP*
6055	0500	PERU	R.Continental	VG to s/off Saturdays.	BC
6065	0550	SWEDEN	R.Sweden	Strong Swedish.	JS
6070	1015	CHINA	Jilin PBS	Changhung, Fair over HCJB. Chinese till 1030 when local ID given.	DL
6070	1015	ECUADOR	HCJB	Fair Portuguese. Eng. ID 1030	DL
6080	1055	VENEZUELA	R.Zaraza	Excellent with news & ID at 1100	MS
6090	0520	LUXEMBOURG	AWR	Religious German, Sundays.	JS
6100	0543	GERMAN FED. REP.	DW	Good, Eng. news to Nth. America	EJ
6100	0930	CHILE	R.Calama	Fair at s/on.	EP*
6100	0630	CHILE	R.Calama	Excellent running late 1/4. Power?	BC
6105	1103	PERU	R.Nacional	Adv. "Banco de Bolivia", Pops.	MS
6160	0105	ARGENTINA	R.Provincia de Misiones	Posadas, Local news	EP*
6165	1000	SOUTH KOREA	News in Korean	excellent.	EJ
6165	0230	BONAIRE RN	Opens to Nth America	with news.	FC*
6207	1230	INDONESIA	Irian Jaya	HRI Biak, Good signals in Indonesia	Ray C
6383	1240	MONGOLIA	Ulan Bator	Good English to s/off 1250	JS KJ
6910	0700	IRELAND	R.Dublin	Good on this freq. but some Utility QRM	AC
7025	0930	CHINA	Peking	Chinese music.	DL
7135	0535	FRANCE	RFI	Very good in French. Music and speech.	JW
7175	0530	ITALY	RAI	Caltanissetta, Homes Service, Italian, news	DL
7230	0533	USSR	R.Moscow	World Service, English.	DL
7280	1545	INDIA	AIR	Fair with news, English.	AS
7345	0300	CZECHOSLOVAKIA	Prague	s/on to Nth. Am. with program	KJ FC*

FREQ	TIME	COUNTRY	STATION	PROGRAM & RECEPTION DETAILS	INITS
7395	1647	USSR	R.Moscow	World Service, Fair signal	KJ
9420	2030	KOREA	NORTH	Pyongyang, English, Fair - good	JS
9495	1805	MONACO	IWR Monte Carlo	Good signal. English s/on. Program Latvian; 0738 "Back to the Bible"	OC PR
9553	0258	EL SALVADOR	R.Nacional	Poor in Spanish. QRM jamming	BC
9560	0702	SWITZERLAND	SRI	VG English. World & local news	JW
9580	1208	AUSTRALIA	RA	Fair with news, improving.	KJ
9580	1307	USSR	R.Moscow	fair with news.	KJ
9585	0240	BRAZIL	R.Excelsior	Good with Portuguese commercials.	BC
9590	0230	BONAIRE RN	Opens to Nth. America	with news.	FC*
9605	0301	PHILIPPINES	R.Veritas Asia	VG Indonesian. full sign on	DL
9610	2045	TAIWAN	FOPC	Poor in English.	JS
9615	1706	CYPRUS	BBC	World Service, News, poor.	KJ
9660	1252	AUSTRALIA	VLQ9	Music. Poor with QRM.	KJ
9680	1310	AUSTRALIA	VLR9	fair with weather forecast.	KJ
9700	1535	USA	VOA	Good news. Special English 1606 & 1707.	KJ
9710	0034	USSR	Kuanas	VG with news and pops. English	EJ
9740	1210	SINGAPORE	BBC	Fair World Service. Held to 1538	KJ
9695	0800	COOK ISLANDS	Rarotonga	Noted Sundays with telephone request sessions. (sorry being out of sequence .ED)	AC
9760	0917	ECUADOR	HCJB	DX Program.	AS
9760	1313	USA	VOA	Special English heard at 1211 & 1517.	KJ
9820	1255	CHINA	R.Peking	End of DX program then silence. No usual s/off. Fair 15/3.	KJ
9860	1425	CHINA	R.Peking	Fair with usual Magazine program. Heard through to 1709 when good signal. ; 0930 VG News English	JW
9915	0155	GR. BRITAIN	BBC	Excellent with World news.	EJ
11620	2027	INDIA	AIR	Recorded Cricket commentary India/NZ	JS
11630	1740	USSR	R.Moscow	Good with African Service in English.	KJ
11637	0000	ISRAEL	IBA	Opens to Nth/ America with news.	FC*
11650	1908	KUWAIT	R.Kuwait	(new freq.) Friday requests, Good	PR
11695	0015	BELGIUM	Brussels	English to Nth. America, good sig.	FC* AC
11720	0939	CHINA	R.Peking	New English, good	JW
11750	1605	SINGAPORE	BBC	World Service news, fair.	KJ
11755	0330	DUBAI	Good English news,		LR JS
11760	2330	COOK ISLANDS	Rarotonga	Music, Time check 0000, then R. Aust. news, Good at best. Deep fading. "R. Cook Islands	BC FM
11765	0235	BRAZIL	R.Fupi	with sports. Sao Paulo leading Porto Alegre 4-0. ; Good signal. ID on hour and half hour.	MS BC
11785	1220	USSR	R.Tashkent	Good tp close 1228.	KJ
11785	1748	GERMAN FED. REP.	DW	Good Asian Service, Close 1750.	KJ
11800	2050	ITALY	RAI	Good Italian, 2200 music.	JS EJ
11805	0017	BRAZIL	R.Globo	Fair in Portuguese. Commercials.	BC
11850	1225	INDIA	AIR	Fair with program summary // 11895.	KJ
11880	2130	BULGARIA	R.Sofia	English to UK, Severe jamming.	AC
11915	2244	PARAGUAY	R.Nacional	Asuncion, (new freq.) folk music "Melodias nativas" Fair in Spanish.	EP*
11955	2200	PORTUGAL	R.Japan	vias Sines, English. often mixed	RFEAC
12070	1220	MONGOLIA	Ulan Bator	now back on this frequency.	AC
15020	1714	ANDORRA	AWR	Fair in Russian.	JS
15084	0532	IRAN	Islamic Rep Iran	BC. VG Farsi Home Svce. News	DL
15120	0740	NIGERIA	LAGOS	Poor English. QRM Assie.	EJ
15140	0952	JAPAN	NHK	Good signal.	AS
15170	0700	PORTUGAL	R.Japan	vias Sines, English but often mixed	RFEAC
15190	1230	SWEDEN	R.Sweden	New freq. with Eng. to Asia.	AC

FREQ	TIME	COUNTRY	STATION	PROGRAM & RECEPTION DETAILS	INITS
15190	1408	USSR	R.Moscow	English news . Noted 1440 relaying " Peace & Progress " .Poor with QRM	KJ
15273	2325	URUGUAY	SOD: E	, Fair , clear signal with pop.music .	BC
15310	1342	OMAN	BBC	World Service . Good when R.Japan off .	KJ
15315	1545	PORTUGAL	relay R.Canada	, Good with Reports from Correspondence No news due to technicians strike .	KJ
15320	0330	DUBAI	R.Dubai	, English to Nth/America . Pop music.	LR AC
15325	0200	SOUTH AFRICA	RSA	, Opens to Nth.America with news .	FC*
15330	2225	ITALY	RAI	s/off English // 9710 ,11800 khz .	OC
15390	0550	SWEDEN	R.Sweden	, // 6065 khz .	JS
15405	2050	ITALY	RAI	, Italian , mixed with Athens .	AC
15415	1040	BRAZIL	Clube Ribeirao Preto	, Folk music , " Bom Dia,Ribeiro	
15435	2030	GABON	Africa Number One	, relay RFI , s/off 2130 ,// 11810	AC
15495	1320	USSR	R.Moscow	, Fair with English commentary .	KJ
15510	1356	USSR	R.Peace & Progress	, Fair with listeners questions till close at 1359	KJ
15560	0920	MADAGASCAR	RN	, Good English news ,	RC
17700	0645	GERMAN	DEM.REP.	RBI , Opens English ,VG // 21465	JS
17705	1566	CZECHOSLOVAKIA	R.Prague	, Fair with Afro/Asian Svce.s/off 1626	
17705	1704	GT.BRITAIN	BBC	, Good world service news . Also 0906	JW
17730	1204	USSR	R.Moscow	, world service , news	KJ
17770	0030	GUAM	KIWR	, Fair , religious .	LR
17775	0540	UAE	Dubai	, Strong English news then closed .	JS
17780	0650	SOUTH AFRICA	RSA	, Fair opening English .	JS
17825	1745	MALTA	DW	, Asian Svce. Fair at close 1750	KJ
17830	1340	SWITZERLAND	SRI	, Poor to Aust/NZ ,German .	KJ
17835	1238	MALTA	DW	, IS then s/on 1240 in Indonesian .	KJ
17840	1657	NORWAY	Oslo	, mixed Prague at s/on . Norwegian till f/out 1732	
17845	2238	USA	WYFR	, English Mailbag . Religious , Fair signal	EJ
21480	0445	PAKISTAN	R.Pakistan	, signs on . Hets Moscows CC Svce.	BC
21488m	0338	PAKISTAN	5 mins.Eng.news	during Swahili Svce. Strong	BC
21495	0455	BULGARIA	R.Sofia	, Eng.followed by French for Africa ,Ex.	BC
21595	1545	CZECHOSLOVAKIA	R.Prague	, Good English to Africa	BC
21535	0703	SOUTH AFRICA	RSA	, Fair musical program .	EJ
21545	0400	KUWAIT	R.Kuwait	, VG opening Arabic .Freq.no longer Eng.	BC
21595	0930	SPAIN	Madrid	, Excellent Spanish at s/on	BC
21610	0815	JAPAN	NHK	, Excellent in English . Varied prog.	EJ
21610	0900	AUSTRIA	Vienna	, English Sundays with SW program	AC
21610	0930	PORTUGAL	Lisbon	,Portuguese to Macau,Timor & Australia . Heard up to 1100 / Using new interval signal .	BC
21610	0535	ISRAEL	IBA	, Russian Svce. s/on Sat/Sun . New freq.	BC
21615	0830	ITALY	RAI	, New freq. Good Italian .	AC BC
21655	1950	UAE	Dubai	, Good signal in Arabic till s/off 2050	BC
21690	1840	GREECE	Athens	,Eng.news to Africa .s/off Greek 1851	BC
21700	0940	GREECE	Athens	, New freq.to Aust. English news.s/off 0950	BC
21755	1100	PAKISTAN	R.Pakistan	, English ID introducing program in Burmese , Good Also heard Eng.1610 ,Eng. Distation 0230	BC
21790	1000	BELGIUM	Brussels	, Opening at fair strength .	AC
21810	1105	BELGIUM	Brussels	, noted in Dutch mast 2100 .Good	BC
25680	1950	ALGERIA	RTVA	, Arabic Service // 21635 noted all day past 0400 . Weak to good .	BC
2500	2110	ALGERIA	RTVA	, Ex.with Eng. news Not regular .FF 2130	BC

This month our thanks to :- LR Lindsay Robinson , SG Steven Greenyer
AC Arthur Cushen , BC Bryan Clark , IM Tony Marr , OC Owen Cullen
KJ Kevin Jensen JW Jack Webb , RC Robin Chambers , AS Alan Scott ,
DL Dene Lynneberg , MS Mike Smith , Ray C Ray Crawford
JS Jack Searle , PR Paul Rawdon , EJ Liz Jackson (nice to see a lady
amongst the contributors) , FC* Frank Crow Los Angeles USA ,
EP* Emilio Povrzenic Villa Diego Argentina .

ARTHUR CUSHEN'S SHORTWAVE REVIEW

Many countries in Europe on March 29 moved into Summer Time and those countries which did not continue with GMT in their schedule are now heard one hour earlier and these include Finland, East Germany and Hungary. The BBC commenced to use 15155 from Singapore on March 29, while Chile has returned to Standard Time and stations are heard opening one hour later.

This is part of New Zealand Calling broadcast on April 6 at 0350 and 1015GMT. All times in GMT, add 12 hours for NZST and frequencies are in kHz.

BELGIUM: Brussels has been heard on 11695 with English 0015-0100 at much better strength while the same programme is available on 15175kHz. Also noted on 21790 replacing 21625 0630-0720 1000-1200GMT.

BULGARIA: Radio Sofia now broadcasts in English 1930-2000 9700, 11720, 11880; 2130-2200 11860, 11880, 11920; 0000-0100 11830, 15330 and 0430-0500 11860kHz.

CANADA: Radio Canada International announces that as their contribution to IYDP their programme schedules will be available on cassette free to blind radio listeners.

CHILE: Radio Patagonia 6080kHz opens 1030 and at 1032 has a short announcement in English.

COOK ISLANDS: Raratonga 9695 replacing 5045 heard closing 0900 and noted on Sundays with telephone request session 0800.

DUBAI: Tests continue to be heard on various frequencies and English at 0330 is now on 9640, 11755 and 15320 and at 0530 on 11940, 17810, 21700 and at 1030 on 17775 and 21700kHz.

FINLAND: Helsinki is now heard one hour earlier with External Service and English to the South Pacific 0830-0900 on 21465kHz and on Sundays also 0700-0830. Broadcasts from East Germany and Hungary also heard one hour earlier.

GREAT BRITAIN: BBC World Service from March 29 using new frequency to New Zealand 15155kHz replacing 15310, 1700-1815 this transmission from the Singapore relay base. Other changes only of a minor nature.

HONG KONG: The BBC have announced plans to install a relay base on Hong Kong for broadcasts to China and negotiations are now under way with the Hong Kong Government.

ITALY: Rome broadcasting in Italian to Australia using two new frequencies 0830-0930 on 21615 and 2050-2130 on 15405kHz.

KUWAIT: English broadcasts now only on one frequency for Europe, 0500-0800 on 15345 and 1800-2100 on 11650kHz.

LEBANON: Verification from the King of Hope 6215kHz gives power as 10kW and an omnidirectional aerial. Broadcasts in English include news at 0555 and Arabic at 0600. My report first from the South Pacific. Verification signed by Charles Pollak, Vice President and General Manager of Voice and King of Hope at Hotel Arazim, Metulla, Israel. Transmitter is located in the Valley of the Springs in an area called Free Lebanon.

NORWAY: Oslo best received in this area 0700-0830 9590, 15135, 25730; 1700-1230 21730, 25730. English last 30 minutes of the Sunday broadcast.

PHILIPPINES: AFRTVS relay via the Philippines is now on 15305, 2000-0200 and 26000 0200-2000GMT.

PORTUGAL: Radio Japan via Sines 0700-0730 on 15170 and 2200-2230 11955, English the first 15 minutes of transmission.

Radio Portugal using new frequency 21610 in Portuguese 0930-1100 to Macau, Timor and Australia but mixed with Austrian Radio.

..sign off..

with JOHN MAINLAND

20



A W R

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AUSTRALIA Work is now going ahead on the \$10-million restoration of the Darwin site after years of frustrating delays. Radio Australia managed to get the final Federal Government clearance for the work when the Department of Foreign Affairs decided that it was necessary to boost the station's audience in China in line with Australia's diplomatic objectives there. The Education Department is preparing a prestige-seeking 104-part English language series for the Chinese which will go to air after the Darwin transmitters resume operation in late 1982. The ABC is now looking at the possibility of building a transmitting stn at Townsville to improve reception for listeners in Papua New Guinea and the South Pacific. The Bulletin, Feb 3, '81

U.S.S.R., The 1530-1600 special newscast in Russian from Radio Moscow for listeners in the Polar regions is now heard on 9615 and 9590 every Monday and Thursday.

BBC MS 5/3

PARAGUAY Radio Nacional del Paraguay in Asuncion is operating on 11915.

BBC MS 5/3

ALGERIA Radio Algiers' domestic service in AA has been observed since 1st March on 25680 and is probably in use from 0600-2300.

BBC MS 5/3

TURKEY The newspaper 'Milliyet' reported in its edition of 30th December

1980 that the external broadcasts from Turkish Radio would be heard more clearly when two 500kW txs went into service in 1981.

BBC MS 12/2

FRANCE Radio France International is to have a relay station at Kourou in French Guiana and would be completed by 1984. The three 500kW txs would enable RFI's broadcasts to be heard in Mexico, Brazil and the whole of Latin America, as well as in North America and Africa. Initially broadcasts would be in French.

BBC MS 19/2

ANDORRA Adventist World Radio is to experiment with a week of live radio with the intention to raise money for HAP. The dates are eight days between April 12-19, each night from 2030-2200 6220 10kW. The px will include a live phone-in. RN DX19/3

BRAZIL Radio Nacional de Porto Velho is reported as active on 4945. The 1981 WRTH lists this station as inactive. RN DX 19/3

PERU Jack Jones(USA) reports a station on 6190 opening at 1103 believed to be Radio Oriente, Yurimaguas.

RCI DX 14/3

DX-PHILATELY Christer Brunstrom, Jarnvagsgatan 8-309, S-302 49 Halmstad, Sweden has published a 24 page booklet in EE on DX-Philately for all those many DX-ers who collect stamps with motives of radio stations or broadcasting services. The price is US\$3 or 6 IRCs. The price includes airmail delivery anywhere in the world.

DSWCI

HOW INTERNATIONAL BROADCAST STATIONS REGARD RECEPTION REPORTS AND QSL CARDS. Is

answers to questions put to broadcasters throughout the world in the EDXC/ANARC QSL SURVEY conducted in 1980 and has now been published in a nine page report printed in conjunction with R. Nederland. Write to: European DX Council, P.O. Box 4, St. Ives, Huntingdon, Cambs. PE17 4FE, England enclosing 3 IRCs.

DSWCI

IRELAND Terry Colgan in Texas reports R. Dublin hopes to add a second sw channel, 14400 or 28000kHz. The station is currently on 6910v.

RCI DX 21/3

CHINA(PEOPLE'S REP) Andy Newton & Ralph Munster(USA) report time signal stn BPM on new 14961.7 heard with cw ids at 0059 and 0129

RCI DX 21/3

FINLAND EE one hour earlier wef March 29 0230-0300, 0700-0825(Sun), 0830-0900, 1200-1230, 1230-1325(Sun), 1330-1400, 1830-1900, 2030-2100. No fo changes until May 3rd.

RCI DX 21/3 DSWCI

BULGARIA Since March 25 Radio Sofia has new broadcasts in FF 0700-0730 and EE 0730-0800 for Europe on 9590 and 15160. A 25-metre band fq, 11970, was also included in a station annct. A further EE broadcast at 2230 is on 15110/5 and 15330 but this has not been heard.

JM

NICARAGUA A Socialist press report says The Voice of Nicaragua on 5950 hope to begin a one hour English broadcast in the period 0000-0600.

RCI DX 28/3



**Radio France
internationale**