



# NEW ZEALAND DX TIMES

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AUGUST 1980

## DX-er of the YEAR

League Members will all join in offering their congratulations to Arthur Cushen on being nominated DX-er of the year at the recent ANARC Convention in California. The Award was accepted on Arthur's behalf by Barry Williams, Auckland, and we understand that in so doing he noted the unstinted support which Arthur has received from his wife, Ralda, throughout his career. Our very best wishes to you both and may you long continue with your successes. A full report on the Convention appears elsewhere in this issue.

Ed.

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## annual general meeting

The Annual General Meeting for 1980 will be held on Saturday, 18 October in the White Stone Lounge, Brydone Hotel, Oamaru. Lunch will be provided at a cost of \$5.00 per head. To facilitate catering, those wishing to attend should advise C.I.Tsukigawa, 44 Thames Street, Oamaru.

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## competition notes

ADCOM has accepted an offer from the Auckland Branch to provide the administrative back-up for League Competitions in future. This comes into effect from 1 July 1980.

LATIN-AMERICAN DXers are reminded that the Special Competition period ends on 30 September 1980 and that entries have to reach the Editor, NZ DX Times by 31 March 1981. Details were published in the February 1980 issue.

WINDY WELLINGTON DX CUP: It is particularly appropriate that this trophy, donated by Arthur McClay of Auckland, should be competed for in 1981 which has been officially designated the International Year of Disabled Persons. Full details of the Competition which will run from 1 October 1980 to 30 September 1981 will be published in the September issue of the 'Times'.

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## customs

According to an item appearing in the Wellington press, from 1 October full rates of duty and tax will be payable on any radio, etc. products worth over \$50.00.

**NEW ZEALAND RADIO DX LEAGUE**  
PRESIDENT: A.T.Cushen, M.B.E., Hon.Sec. C.G.Chester,  
Administration Committee: P.O.Box 1313, INVERCARGILL,  
(Membership, Competitions, Policy, Subs.) (9500.)  
Editorial: P.O.Box 2956, WELLINGTON 6000. Enquiries regarding content & distribution of the 'Times' only. CLOSING TIME: Noon on 1st Monday Monthly.  
Stationery: P.O.Box 450, DAMARU 8901.  
Archives: Paul Ramsay, 67 Wharfe Street, DAMARU 8901.  
ANNUAL SUBSCRIPTIONS: (All \$ NZ) - NZ \$10 : Aust. & S.Pac. \$15 : Asia & N.Amer. \$18 : Eur., S.Amer., Africa \$20 :  
JOINING FEES: NZ \$3 : Aust. & S.Pac. \$4 : Other Areas \$5 .

DEADLINE: NOON - MONDAY, 1 SEPT. LOGGINGS, VERIES, B.O.M., CONTINENTS, (N.Amer.)

## FROM THE BRANCHES

into effect on 1 October. Bryan Marsh, who asks that the report in the July branch notes to show that it was he and not Bryan Clark who demonstrated the Sony ICF 2001, gave a talk on his participation in the ANARC Convention. He also displayed his new SONY 2001. A mini-auction of pennants etc. donated by Douglas Doull followed. COMPETITIONS: MW Bob Homewood KCCN 1450 5kW, Novice Nicholas Pacey R.Rhema 1503 1kW. SW Over 9 Douglas Doull RSA 21535 Under 9 Bill Huddleston Malawi 7130. NEXT MEETING: Branch AGM - 2 pm Sunday, 31 August at NZART Rooms, 3000 Gt.North Rd. New Lynn.

**CANTERBURY:** The July meeting was attended by 11 members. Ray Crawford was the special guest and an entertaining social evening was enjoyed. David Ricquish was farewelled on the eve of his departure to Wellington. COMPETITIONS: MW David Ricquish KHEI (? Freq. Ed.) SW M.Smith Mongolia 6383. NEXT MEETING: Branch AGM 2 pm Sunday 24 August at Mike Smith's, 51 Springs Rd.

**SOUTHLAND:** 14 members attended the July meeting at which nominations for the Annual Meeting and proposals for a change in the handling of subscriptions were discussed. A report was also given on a successful progressive dinner which had attracted 24 members. DX chat followed and members also inspected the SONY ICF 2001 with its excellent push-button tuning for the blind listener. COMPETITIONS: For the first time in many years Paul Aronsen won all four. MW with KNIX Phoenix Arizona 1580 50 kW and Taiwan 600 500kW. SW Over 9 HCJB Ecuador 26020 Under 9 Kenya 4804. NEXT MEETING: The Annual Meeting will be held at the home of the Branch Patron, Mr.D.Crawford, 20 York Street, at 7.30 pm on Saturday, 23 August. Members' wives are also invited to attend.

**WELLINGTON:** 8 members were present at the July meeting held at Bob Connor's place. Possible methods of introducing newcomers to MW DX were discussed as were various new generation receivers. The League President's letter on subscriptions was tabled and the proposed method of collecting subscriptions was fully supported. This was followed by a very interesting showing of slides taken by Bob Connor during a recent visit to the Middle East. NEXT MEETING: The AGM of the Branch will be held at Ron Cundy's place, 21 Quetta Street, Ngaio, at 7.30 pm on Friday, 29 August 1980.

## Jamboree 1981

Additional to the note in the July issue, the following. The proposal is to have in a tent a number of SW receivers with headphones, and to operate from 9 am to 10pm daily from 2 to 10 January 1981. A potential problem is that an amateur radio station also operating at the Jamboree will be quite close to the SW receiving station. The organiser of radio based activities would like to hear from anyone who has experience of operating SW receivers close to amateur radio stations so that he can learn of any precautions necessary. It is known that filters and traps are needed - but to what extent?

As previously noted any assistance Owers can give in this project will be welcomed. It is understood that if

② **AUCKLAND:** 24 members attended the July meeting at which the August DXpedition was discussed. Also discussed were the changes in Customs duties to come

into effect on 1 October. Bryan Marsh, who asks that the report in the July branch notes to show that it was he and not Bryan Clark who demonstrated the Sony ICF 2001, gave a talk on his participation in the ANARC Convention. He also displayed his new SONY 2001. A mini-auction of pennants etc. donated by Douglas Doull followed. COMPETITIONS: MW Bob Homewood KCCN 1450 5kW, Novice Nicholas Pacey R.Rhema 1503 1kW. SW Over 9 Douglas Doull RSA 21535 Under 9 Bill Huddleston Malawi 7130. NEXT MEETING: Branch AGM - 2 pm Sunday, 31 August at NZART Rooms, 3000 Gt.North Rd. New Lynn.

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members passing through the area are willing to help they can be offered camping and other facilities. Members interested can write either to Mr. Jim Parnell ZL2APT, 87 Duncan Terrace, Wellington (Tel. 872-489) or to Jack Searle, 2 Shrimpton Rd. Haumoana.

### market square

**FOR SALE:** Sony ICF 5900W - \$180.  
Astrad 8 band AM-FM - \$100. ONO.

Reason for sale - moved up to ICF 6800

Reply to: Arthur R. Williams,  
26 Centre Street,  
INVERCARGILL.

**PEN FRIEND:** Bill Farmer, 6 Dixie Ln. Jackson, Tennessee 38301, a 31 year old science teacher and member of three SWL Clubs, would like to correspond with NZ DXer who is also interested in high-power rifle competition.

## BROADCAST DX POR EL PERSONAL NECESARIO

③ This month has plenty of news from the local scene. A lot of new stations are to come into operation over the next months and now would be the time to get all the frequencies cleaned up. Once they are blocked with all night transmitters not much else will be heard.

**PALMERSTON NORTH:** 2XS will operate on 828kHz and it is hoped to have the station on in six months. After an appeal to the High Court the declined application to the Broadcasting Tribunal was overturned. The station will operate 24 hours.

**ALEXANDRA:** 4XA opened on July 26 on 531kHz with a power of 2kW. 4XA has its own breakfast and lunch programme and the rest of the 24 hour broadcasts are relayed from 4XC in Dunedin. Three other relays are under construction, 4XQ Queenstown 1359kHz 1kW expected to be operational by September 1; followed by 4XW Wanaka 1359kHz 100 watts and 4XC Cromwell 1359kHz also with 100 watts. The three transmitters will be synchronized on 1359 and will relay the Alexandra programme.

**INVERCARGILL:** The Broadcasting Tribunal has approved a private commercial station for Invercargill to be operated by Southland Independent Radio. The station will operate on 1224kHz and be 24 hours. Radio New Zealand has also been given the go ahead for a mini-station in Gore to have local programmes and carry the YC programme. This station will be 5kW with its transmitter located at Dacre, site of 4ZA and 4YZ, and is to operate on 558kHz. Te Anau will also get a station to relay programmes from 4ZA. It is hoped to have this station on the air before Christmas on 1548kHz.

**CHRISTCHURCH:** Radio Rhema has been given authority to operate from 1800-1200 GMT (0600-2400 NZT). This will take effect from September 1 and a frequency change will also take place on this date with the choice of frequency being between 1404 and 1503 with the latter being perhaps the best choice. The Broadcasting Tribunal has allowed 3ZB and 3ZM to move their transmitters to Orchuia on the northern outskirts of the city. As a condition 3ZB must reduce power from 10kW to 5kW and the aerial must concentrate on city coverage rather than on rural Canterbury.

**NELSON:** Radio Rhema has been given authority to erect a 61 metre aerial in Lower Queen Street, Richmond for two months from 5 November. To be used as a short-term relay of 3XG.

**WAIKOUHU:** Desert Radio have obtained a transmitter of their own and plan to operate on 1233kHz, hopefully with 250 watts, on 29, 30 October and 1 November for a round the mountains relay. Plans also underway to obtain a warrant for the first week of December for the Desert Fair. A new 75 foot mast also has been obtained.

\*\*\*\*\* Radio Pacific announce they are to change the time of the DX program as from Friday 22 August to 1000pm to 1.00am. The three hour session will include 'Ham' and CB information as well as DX news. It is thought that the informative news from Arthur Cushen will be aired around midnight. Keep an ear out on 1593 for this program and send in some news so that all interested in the hobby may benefit.

Before we dip into the mailbag our thanks to Arthur Cushen, David Riquish, Ian Hitchener, Paul Rawdon and those who sent in paper clippings on the latest developments in their areas. Thanks and keep them coming.

**STUART FORSYTH, DARFIELD,** reports only one report out to 4XA for sign on and a mention in the news. Veries in from KUMU, KKON, 2GO 5PI, 5SE, 5AD, JOUB, KTWO, Pacific, Cuba 600 No doubt we'll see a few Europeans next time.

**DAVID RIQUEISH, CHRISTCHURCH** soon WELLINGTON, has one report out to 4XA and QSL's in from 2BS, 2DU, 2MW, 2NC, 3AW, 4LG, 4H, KDEC and KHEI. Congrats on the new job.

**KNITH ROGERS, LOWER HUTT,** has reports of KIOE, KNIX, KHVH, 1XW, 4NK, 3XG, 2GN, 4XA, KTON, KCCN, 2LF, KNNA, 2NE, KIKI, Fiji 711, 3XA, 4XO, 2CN, 3CV, 3WH, 3NE. Veries in from 4KK, 3XG, 2JJ, 1XI, KHVH, 1XW, 3XA, 4XO, 2CN, 3CV, 3WH and 3NE. Ta.

**MARTYN FLAIVE, INVERCARGILL,** has veries in from 2NZ, 2DU, 2CN and 1XW. Tnx.

**JOHN ALLCHIN, AUCKLAND,** has a lone verie in from KEAL 1280. Looking forward to the goodies?

**BOB HOMEWOOD, PAKAPURA,** has reports out to 1YB, 2LT, 3AK, 3ZC, 4XA, 20C, VL2NI, KNIX, KSDO. Veries in from 1ZU, SA, 2XL, 2GN, 3ZC, 1XX, 2PK, 3XG, 4XG, 4XO, 4XD, WVUV, KLIV, 4KQ, 4ZW, KKUA, KSEK, KHVH, KCCN and KOB.  
**IAN CATTORMOLE, BLENHITON,** has a lone verie in from KOC. No reports this month.

**PAUL SCHNELL, PALMERSTON NORTH,** has logged 4ZW and 4XA 531. Welcome to the pages.

④ **TRAIL**

531 Nightly 2KM Covers 4XO relay.  
 610 0702 HJKL good IDs. **RCh.**  
 700 0900 R.Sutatenza good till 0920 "  
 730 0920 R. Melodia fair. "  
 810 0245 2BA over 4YA. "  
 860 1244 XEMO EZL music good. **JA.**  
 873 0245 2GB good over 3ZE. **RCh.**  
 910 1208 KJJJ "91 Kay Jay Heart  
 of the Country IDs **JA.**  
 930 0915 Antilles good at times in  
 English, Sung IDs. **RCh.**  
 960 0901 Unidentified with Brass  
 Band Anthem, SS. 1/7. "  
 970 0900 KPUA regular till past  
 1300 **JA.**  
 985 1122 OBX4J Radio X good. **RCh.**  
 1010 1220 CBR fair level. **JA.**  
 1030 1035 KTWO poor/fair, splash "  
 1150 1237 KBAI all news format. "  
 1302 KEAI Lominant by this time. **Ti.**  
 1140 0700 La Voz del Valle, good **RCh.**  
 1170 1125 KOHO over 2CH in JJ. **JA.**  
 1190 1218 KEZY with KEX "  
 1230 1315 KDAC good level, local nx  
 1240 0500 TGK Radio Sensacion good  
 IL. **Ti.**  
 1300 1220 KWKW SS prog over KMPS **JA.**  
 1305 1010 Philippino strong. **RCh.**  
 1310 1117 KDIA good peaks "  
 1320 1243 KGRK poor, 1XI splask **JA.**  
 1360 1310 KGB fair with "13 K " IDs "  
 0709 R. Guanabara Brazil briefly  
 over excelsior 1/7. **RCh.**  
 0630 Catatumba Internacional  
 good with mentions of  
 Maracaibo. **Ti.**  
 1390 1002 R.Vision good. **RCh.**  
 1395 4ZW Loud and Clear. "  
 1400 0533 R.Libersan, Mexico? good  
 30/6. GMT -5 ann. "  
 1425 0450 Colombian? R. Expletio  
 or similar. 3/7. "  
 1430 0943 CJXX Good at times anns  
 You're in CJXX Country. "  
 1470 0905 CJVB good. "  
 1490 0555 R.Cinco fair-good. "  
 1500 0545 R.Tigre fair. "  
 1208 KRRX local nxs thru KUNU **JA.**  
 1555 0430 Cayman Islands off with  
 GSQ. fair signal. **Ti.**  
 1570 0501 CRUB Strong with news. **RCh.**

**CRELITS. JA.** John Allchin Auckland.  
**RCh.** Robin Chambers Opunake.  
**Ti.** Ray Crawford & Steven  
 Greenyer, Tiwai.

**BEST OF THE MONTH.** \*\*\*\*\*  
 R.Chambers Radio Antilles 740kHz,  
 20 kw. 144 points.

**Mailbag**

**MIKE SMITH, Christchurch.** QSLs in from  
 NEC 585, 3XY, 2ZG, and Windy. Ta.

**LINDSAY ROBINSON, INVERCARGILL.** has logs  
 over the last two months of 4KQ, 2NZ, 4XG  
 3AE, Pacific, 3KZ, 4IP, and 1XI, QSLs in  
 from 4KQ, 2NZ, 4XG, 3AE Pacific, 3KE and  
 1XI, Lindsay ladder notes must go to  
 Wellington.

**ARTHUR CUSHEN, Invercargill.** has only 1  
 verie from 4ZW, with reports to 1YB,  
 5LC, Alexandra 531, LXRA, XETU, 4LM and  
 Colombia 1390, La Voz de los Andes.

**TIM AUSTIN, Bluff.** veries are 1ZH, XW,  
 XA, ZB, ZK, ZC, XP, 2ZM, ZP, ZH, ZK, 3YA, YR, ZA,  
 4YA, YQ, YW, XD, and reports off to 4ZW,  
 2yW, 2ZW, and 2YZ, Tim please send  
 shortwave and mediumwave notes on  
 separate pages, as they end up in  
 different Cities for typing up.

**DENE LYNNBERG, Wellington.** reports out  
 2BH, and veries are KEEN, KSDO, and  
 YNM 620, very good.

**HANK WILKINSON, California.** reports to  
 2YB, 1XP, 1ZE, 1ZH, Fiji 927, 2ZW, 2XW, 1XI,  
 200, 3ZE, 3AK, 5CK, 1ZO, 1YZ, and 2YZ with  
 tentatives to 4AT and 2CC. veries are  
 1ZH, 1XI, 2ZW, 5CK, 1ZE, 200, 1YZ and 1ZO. Ta

**STEVEN GREENYER, Invercargill.** has logged  
 Voz del Valle, Sensacion and thats all.

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For a verie from 2ST 1215 kHz try  
 Mr Lavid Toohey, Box 14, Mittagong 2575,  
 Include PPC and return postage. **DX Post.**  
 6TP and 6PO on 567 testing with 100 watts  
**C.Martin.**

**PAPUA NEW GUINEA.** A new mediumwave  
 station is testing on 1494 kHz, with  
 10 kw from Enga and announcing in  
 English and Pidgeon according to a  
 cable from Graham Love in Port Moresby.

**NICARAGUA.** Concerning Dene Lynneberg's  
 verie of YNM, The latter was received for  
 a follow up of a March 1979 report a  
 pennant was also received. The station  
 is now called "La Voz de Nicaragua,"  
 Voz oficial del Gobierno de Reconstruc-  
 ion Nacional, Included penant listed  
 620, 11845 and 5920 kHz, with new  
 call signs of YNKR, Verie signer,  
 Myrna Rodriguez Uzaga, Resp  
 Correspondencia.

**A DXER'S WORLD TOUR**

League member Pete Taylor  
 of San Francisco, accompanied by wife Kristine, Sony  
 ICF6700W and SM2 ferrite loop antenna, made an exten-  
 sive DXpedition last November-December. The  
 trip took the Taylors through Africa from Capetown to  
 Cairo, thence to Hong Kong and a pioneering DX  
 visit to the Peoples Republic of China. The following  
 series of articles was condensed from 11 pages of ob-  
 servations, and will serve to illustrate the radio and DX  
 scene in the countries visited. To start - South Africa:  
 DX in Capetown is ecstasy - only one local MW sta-  
 tion, Radio Five on 729kHz. DXwise I underestimated  
 the number of Europeans which would be regularly  
 heard in South Africa. Last DX to fadeout at local sun-  
 rise: Antilles 930 (heard 0107 till 0407 GMT), Radio  
 Paradise 1265 (mamoth signals) and PJB 800. Other  
 highlights: 580 WKAQ Puerto Rico 0040, 621 Cairo  
 growling with equal strength Canary Islands at 2110,  
 639 BBC Cyprus fine signal everywhere checked in  
 Africa, 648 BBC UK noted weak //639 at 2115, 675  
 Marseilles vg 2345 //1161, 756 Unid African here  
 2140, 759 possibly Sac Tome s/off 2303, 765 Dakar  
 strong with erratic modulation 2315, 819 Cairo exc AA  
 at 2130, 855 Spain synchro networks here and on 639,  
 774, 873, 1107, 1134, 1224 and 1260, 873 AFN  
 Frankfurt with US football 0315, 880 WCBS New York  
 carrying same game but a different commentary!, 900  
 Milan EE news 0104 - frequency readable throughout  
 Africa, 918 Unlisted Italian //900 at 2145, 972 Bots-  
 wana ident 1900 over USSR, 1010 WINS New York  
 weak but steady 0350 - other US stations: 1020 KDKA,  
 1030 WBZ, 1040 WHO (furthest west identified), 1050  
 WHN, 1060 KYW, 1070 WIBC, 1090 WBAL, 1120  
 KMOX, 1140 WRVA, 1180 WHAM, 1500 WTOP, 1510  
 WLAC and 1530 WCKY, 1035 Lisbon 2150 fair, one  
 of the first Europeans noted, 1053 BBC Domestic good  
 2330, 1080 Poland with Chopin mx, 1088 Luanda good  
 evenings with enjoyable Cuban-influenced mx //944,  
 1115, 1197 VOA Munich EE in the clear, 1220 Globo  
 Brazil at varying levels 0050-0405. Other Brazilians  
 on 770, 1240 Recife, 1280, 1360 & 1380, 1224 Bulg-  
 aria monster signal 2200, 1233 Radio Monte Carlo via  
 Cyprus good everywhere in AA with pops/disco, advts  
 for Johnsons Baby Powder, Merit cigarettes etc. Breath  
 of fresh air amongst the frustration of unid Arabs, 1250  
 Libya strong but low modulation //1124, 1413 BBC  
 Masirah pretty consistent signal around Africa, 1480  
 WMDD Puerto Rico good SS 0240, 1530 Vatican bells  
 0040 another widely hrd signal, 1570 XERF presumed  
 the EE gospel here 0405, 1580 CBJ in FF fading into  
 WSRF 0217, 1593 Langenburg great signal 1755, 1602  
 Volcano Radio Ascension ls. full id after BBC mx 0005.

In the next article, news of the southern hemisphere's  
 strongest MW transmitter, and of DX from Kenya **BC**

**ROBIN CHAMBERS, OPUNAKE,** has reports out **⑤**  
 4XG, KGYM, KDIA, Antilles 930, 4ZW, CJXX,  
 KNDI. Veries in from 3NE, 3BO, 2XG 1503, 4EC  
 4XG, Antilles 740, 2ST and KGYM. How about  
 an article on the aerial set-up with details  
 on building the tuner etc.

**KEN GUAHAN, MOUNT MAUNGANUI,** reports little  
 doing DXwise but is awaiting veries from  
 about 30 stations. KWHV on 990 coming in real  
 strong.

**BRYAN CLARK, AUCKLAND,** reported 4ZW on opening  
 day and has veries in from 4XR, KOPI, KARN,  
 4ZW, CFPB and Port Moresby 585 for country  
 94. That 100 not far away now.

**ALASTAIR STEWART, CHRISTCHURCH,** has been busy  
 and reported 4ZA, 3ZW, 2ZB, 4XA, 2YA and  
 verified 1ZA, XB, ZH, ZD, YZ, ZC, YA, ZU, ZC,  
 YW, ZB, XI, ZN, XV, ZT, ZE, XE, YC, ZM, YF,  
 2BS, ZH, ZA, ZG, ZK, ZV, YZ, XG, YK, ZC, YX,  
 ZN, GB, ZP, NF, XL, ZB, YK, ZM, NJ, 3YR, ZA,  
 ZB, XA, YC, ZK, 4ZB, YA, XG, ZB, YD. Will  
 look into QSL problem here. Nice seeing you  
 last month.

**ANDREW BOOTH, DARFIELD,** reports his veries as  
 1XX, 1ZM, 2DU, 2WV, 2NN, 2NZ, 2SM, 2TM, 2WG,  
 2WS, 3CV, 3DB, 3LO, 3XA, 3YR, 3ZM, 4BC, 4GR,  
 4MB, 4MK, 4WK, 4ZE, 5CK, 7PO. No logs this  
 month? Teacher giving too much homework?

**KEITH ROBINSON, KAPUKA,** has reported KSKK,  
 1XP, 7IA, China 1062, KATB, 6VA, 4MK, Vila,  
 2FC, 4NA, 4LM, Fiji 558, 4QI, and verified  
 2XG, 4XG, 2TR, Fiji 711, 5CK, 2YB, 2GO,  
 Shenyang 1089, KGMN, 2ST 999, 1215, 3SH, 4BU,  
 2CY, 5RK, Wencheng 909, 5CL, 5AN, 3BA, 4PO,  
 5SE, 4ZW, 2EA 1386, and 58Y. Fine list, tnx.

**BRIAN WEBB, UPPER HUTT,** Reports logs of  
 2BL, 2BY, 2HT, 2HR, 4AT, 4ZH, 7NT, 7ZR, Vila.  
 Veries in from 2BL, 2BY, 2KP, 2TR, 3UZ, 4GR,  
 4MA, 4TO, 4WK, 7NT, 7ZL, 7ZP, Vila.

**MAX BURKE, CHRISTCHURCH,** has reports out to  
 2SD, 2CF, Fiji 558, 3WV, 3AR, 4YW, 2NU, 3ZA,  
 3LC, 4ZA, 2ZG, 12N-2Z, 2ZM, 4ZG, 4XD, KPBK.  
 Veries in from 2CR, 2HU, 2FC, 2EL, 4ZB, 1XX,  
 4YW, 4YZ, 2ZK, 4ZA, 1XW, 2ZG, 1ZK-ZN, 1YZ,  
 2ZM, 3ZM, 3ZA. Notes to the pages just need  
 to be set out as above.

**MARK MURRELL, NELSON,** has reported 4MB, 2NX,  
 3NE, 2KK, 4ZW and 2CC. Veries in from 3XY,  
 2PK, 2YN, 4W, 2NE, 3UH, 2NK, 4ZW. Have  
 passed on loop query to Arthur Williams.

**CHRIS MARTIN, LANE COVE and JIMDAVINE, NZ,**  
 reports snow on the hills and veries in from  
 CQVR 350, KZAM personally collected, VNET,  
 WGF 760, WABC, KGHU 1360 with a tee-shirt.

**RAY CRAWFORD, INVERCARGILL,** has reports to  
 4XA 531, Sensacion 1240, La Voz del Valle  
 1140, and veries from 6MK, GF, 2E, BC, KW,  
 GH, ED, CA, DB and 6ZP.

⑥

**ANARC 1980** New Zealanders attend.

California over the weekend 18/21 July. 150 DXers gathered on the University of California campus from the U.S., United Kingdom, Australia and New Zealand and were joined by broadcasters from Switzerland, Sweden, Canada, Belgium, New Zealand, Holland and Ecuador.

Unlike Conventions in Australia and New Zealand, the DXing was minimal - the pursuit of a low powered State-side SW pirate on 49 metres being the only catch. However the daytime programme was well supported. Delegates were treated to presentations on 'DXing in the Third World', 'Women in DXing', the 'Review of International Broadcasting Awards', a slide history of ANARC, presentations from Ian Macfarland of Radio Canada, Tony King for Radio New Zealand, as well as a provocative panel discussion with the international broadcasters.

The exhibition hall carried trade displays by innovative Radio West with the latest Yaesu and Panasonic equipment and accessories; Sony paraded their range of digital receivers and, for those interested in the DX fringe, there were police scanners, low frequency equipment and utility monitors. Numerous DX clubs covering all parts of the spectrum also displayed their brochures and Radio New Zealand, Radio Nederland and Radio Canada had exhibits.

The interest in Radio New Zealand and in New Zealand generally was marked. The exhibit drew considerable attention with a turnover of 300 packs of material on RNZ which included a special ANARC pennant, RNZ car stickers, mini-pennants, a colour brochure on RNZ, commemorative tiki and a preferential frequency release for the SW services through to March 1981. Special posters were provided by Air New Zealand and the presentation on Radio New Zealand was supported by a film - 'A Simpler Place in Time' - narrated by U.S. Golfer Arnold Palmer.

Social highspot of the weekend was the Saturday night banquet topped off with the now famous H.A.P. auction at which Ian Macfarland of RCI officiated. The New Zealand offerings went well - RNZ tie \$11, Muraiki book \$25, 'This is NZ' book \$16, RNZ T Shirts \$25, 22M \$15, 22B \$20, 12U \$10, RNZ/ANARC commemorative cassettes (2) \$15. Also on sale - HCJB tube from 26000 kHz test rig \$20, the HCJB dipole from the 26 MHz tests \$30, plus receivers, cassette recorders, clocks, vintage magazines. The Saturday night banquet keynote speaker was Andy Sennitt from the WRTVH in Denmark and the highlight of the evening - the International DXer of the Year Award went to Arthur and Ralda Cushen in recognition of their continuing contribution worldwide to the DX hobby. Broadcaster of the Year Award went to Bob Zanotti and Bob Thomann of SRI.

The 1981 ANARC Convention is to be held at Thunder Bay, Ontario, Canada.

**from overseas**

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BILL SULLI VAN, of Pt. Pleasant, N.J., writes that he can hear RNZ on 17860 kHz between 0400 and 0600 hrs GMT though it was previously not heard in that part of the USA. He uses a Hammerlund HQ-180A and an old Rheem DB22R Preselector with a long wire multi-band antenna from the ARRL Manual cut for his HAM frequencies of 10 - 15 - 20 m. Bill and his family lived at 4 Harold St. Dunedin from 1975 to 1978 and made many friends. BRIAN WITHERS, late of Christchurch, now of 1 Barwick, The Ridge, Shirehampton, Bristol BS11 0BQ, sends greetings to his friends. He also tells us of 'pirate' activity in S.E. and North England operating on SW on Sunday mornings between 6200 and 6300 kHz and 7300 and 7400 kHz. In Ireland there are a couple, one, on 6317, transmits all day every day - had only just started on 21/7/80. He is looking for tapes of two Auckland pirates on VHE - offers cassettes of 'free' radio in return - and for Hauraki when a 'pirate' of R. Caroline on 963 kHz.

BRYAN MARSH, BARRY WILLIAMS and TONY KING attended the CONVENTION held in Irvine,

**PENNANTS POST**

From: Bill Jolly, Kawerau:-

R.Korea - 1978 Seoul, yellow centre with dark blue border in fine synthetic material. R.K. emblem in centre.

I.B.A. - Blue fabric with IBA emblem and Israel Broadcasting Authority in white.

R.S.A. - Blue and white background. At hoist white circle with mast, radiating circles and bird in orange. Die Stem van Suid Afrika and English translation in black. Radio RSA in black at fly. Fine fabric.

Radio Nationale de Espana - Red & gold in fine fabric, gold through centre from hoist to fly, Spanish coat of arms at hoist. Mast and radiating circles at fly. 'Radio Nationale de Espana' in centre.

XERMEX - Plastic, white background with red & green line design. Black eagle in circular form. R.M. in red, XERMEX & Radio Mexico in black.

R.F.I. - Blue & white plastic - Radio France Internationale in blue on one side and Teledifusion de France in red on reverse. Also T.O.F. logo above in blue.

From: Jack Searle, Haumoana -

Turkey - White silk bordered in black with orange and red 'Sunshine Radio' logo. Words 'The Voice of Turkey' in black along centre line. 30cm by 18 cm on scarlet hanging cord. Arrived airmail with QSL card and enamelled lapel badge on 'Sunshine Radio' logo.

R.Korea - 24 cm by 10 cm Cloth of almost fluorescent pink bordered in green suspended from yellow cord. Central blue/red logo. At top 'Radio Korea - Overseas Service of the Korean Broadcasting System' near base '1978, Seoul, Korea'.

Cecil Symmes notes the BBC World Radio Club pennant - pink with a dark mauve border, at hoist circle map of world with BBC logo superimposed, also words 'World Radio Club' - Two colours only.

**a dx poll**

Rick Jackson, P.O. Box 12159, Beckenham, Christchurch, advises that the American DX Club is having its first worldwide DXers poll and has asked for help from NZ DXers. Members wishing to participate can obtain the questionnaire from Rick for an S.A.E. Contributions will be forwarded in bulk to the ATDXC thus saving postage. Closing date in America is 30 September.

**HCJB jubilee**

Paul Ramsay who, judging by a card received from him, is visiting the United Kingdom, sends the following note:

1981 is HCJB's Golden Jubilee and the staff of the station are interested in finding the stations oldest QSL. If any NZ DXer can help either with a photo-copy or the card itself, please write to Mr. P. Grenfell, 11 Sussex Street, Weston, Qamaru. Any record must predate 1935.

**bric-à-brac**

On a recent visit to Honolulu I was attracted to a number of furniture stores. Several recreate entire rooms with bookshelves and books! I was curious to scan the shelves of display books and one which caught my eye was 'So, you want to go on the Air.' Closer inspection showed that it was written in 1934, was a primer for budding broadcasters, contained a popularity poll for 1933, and a log of stations dominant in 1933 (KFBK 1310 kHz 100 w.; KOA 830 kHz 12500 w.; KOMA 1480 kHz 5 kw.). Vintage stuff - amused that the book was of interest, the shop donated the book to me from their stock of "library throw-aways." It came from the Library of the Benjamin Franklin High School, Los Angeles, U.S.A.

⑦

### LEAGUE LADDERS

Broadcast					Shortwave				
DIVISION	JUN	AUG	INC	CNT	DIVISION	JUN	AUG	INC	CNT
<u>GOLD STAR(Over 1250)</u>					<u>GOLD STAR(over 1250)</u>				
Arthur Cushen	2430	2430	9	145	Arthur Cushen	4836	4881	45	240
Keith Robinson	2310	2334	24	114	Bob Padula	4719	-	-	-
Ray Crawford	1497	1510	13	163	Dene Lynneberg	2383	2413	30	218
Eric McIntosh	1088	1102	14	88	Ray Crawford	1659	1676	7	171
<u>SILVER ACE(751-1000)</u>					<u>SILVER ACE(751-1000)</u>				
Robin Chambers	979	-	-	119	John Mainland	1581	1601	20	203
Dene Lynneberg	829	832	3	103	John Durham	1571	1588	17	189
<u>ACE (501-750)</u>					<u>ACE(501-750)</u>				
David Ricquish	628	647	19	54	Bill Huddleston	1405	-	-	144
Bryan Clark	514	524	10	94	Ray Babbage	1366	1372	6	136
<u>SENIOR(301-500)</u>					<u>SENIOR(301-500)</u>				
Hank Wilkinson	483	489	6	79	Bryan Clark	1317	1322	5	204
Ray Babbage	451	452	1	45	Gunter Jacob	1311	-	-	127
Ian Cattermole	445	452	7	24	Ian Cattermole	1311	1355	44	132
Lance Johnston	330	-	-	30	<u>GOLD STAR(1001-1250)</u>				
John Allchin	318	362	44	29	Jack Searle	1110	1119	9	138
John Campbell	343	-	-	98	<u>SILVER ACE(751-1000)</u>				
<u>INTERMEDIATE(151-300)</u>					<u>INTERMEDIATE(151-300)</u>				
Alan Gilmour	264	-	-	36	Lindsay Robinson	776	783	7	117
Stuart Forsyth	213	218	5	13	John Campbell	776	-	-	224
Lindsay Robinson	206	-	-	26	<u>ACE(501-750)</u>				
Paul Rawdon	188	189	1	27	Eric McIntosh	676	678	2	117
Jack Searle	185	187	2	20	Peter Jones	651	678	27	109
Leigh Morris	182	-	-	33	Keith Rogers	-	640	-	129
Keith Rogers	182	-	-	17	Paul Rawdon	573	581	8	136
Gunter Jacob	170	-	-	34	<u>SENIOR(301-500)</u>				
Paul Ramsay	160	-	-	5	Alan Gilmour	-	474	-	101
<u>JUNIOR(50-150)</u>					<u>JUNIOR(50-150)</u>				
Peter Jones	138	-	-	6	Steven Greenyer	447	-	-	139
Mike Smith	127	132	5	11	Lance Johnston	439	-	-	80
Mark Nicholls	99	101	2	6	Bill Jolly	362	363	1	77
Steven Greenyer	73	-	-	27	Leigh Morris	328	345	17	124
Alex Wellner	59	61	2	9	Jack Farrow	326	329	3	53
<u>Plenty of rather expensive receivers in Wellington.</u>					<u>Plenty of rather expensive receivers in Wellington.</u>				
A big welcome back to the Ladder to some long lost members, Alan Gilmour from Greymouth, (now about some Whitbait this year) and Keith Rogers who I presume resides in the Wellington area. Good to hear from you both again. Notes to people who miss the deadlines at the end of each period, you have to start again. Bill Jolly writes to Invercargill for your ladder sticker. It will appear eventually. Good to see that increase Bryan on BC, you are getting closer to Dene. Keep trying..... Would be good to see more members names in this ladder, considering the size of the membership the percentage who appear on ladders, continent listening is indeed small. Get around and count your logs and join in the various competitions.....					The Hitachi KA 3800W is available at \$795 and I understand there has been one or two sold. Even overheard a gentleman requesting that his name be placed on record for the next set available! The RP 8980 has gone from Cuba but there is another in the PSIS at \$850.....				
					Ray Babbage				

### antennas

The HALF-WAVE DIPOLE

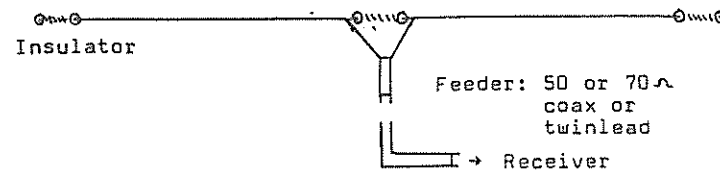
By Barry Williams

- two lengths of wire connected at the centre having an overall length of one half-wave length.
- its impedance is 72 ohms.
- lengths of wire are connected at the centre by an insulator and are insulated at each end.
- feedline runs from the centre to receiver.

#### Finding the length in feet of a half-wave dipole

Length in feet =  $\frac{468}{\text{Frequency in MHz}}$

Example: Resonant frequency - 9.5 MHz:  $\frac{468}{9.5} = 49.5$  feet



The dipole is easy to construct, effective and considered the 'standard' antennas. There are now a few other factors to consider.

#### Selection of resonant frequency

Unlike the Ham Bands the SW bands are not harmonics of each other. Hams, with careful design, can construct an antenna to work satisfactorily on most HF amateur bands. The SW listener can design an antenna to work effectively on one band only.

#### Direction of reception

Antennas are directional. Fortunately the basic dipole is fairly broad except for the nulls which are off the ends of the wire.

#### Height of antenna

There is an ideal height for a dipole depending on the angle of radiation of the received signal. Because of various factors it is enough to say 'the higher the antenna, the better.'

#### Siting of antenna

For maximum reception the incoming signal should be at right angles to the axis of the dipole. For general reception it is suggested the wire be run NW/SE thus beaming NE/SW. However this is not critical. More than likely your house and section will dictate the direction of your antenna.

#### Erection of a half-wave dipole

- select favourite band.
- take middle frequency of band.
- cut antenna to suitable length according to formula.
- select suitable supports for dipole - house, tree, mast, etc.
- height should be 30 feet or higher.

#### Summary

So far I have given a few basics in antenna theory and the construction of a half-wave dipole. This will be effective on the band for which it is cut. I personally use an 80 metre dipole for general listening mainly because of my interest in ham radio. In the past I have used a 60 metre dipole and found it very good on that band.

I suggest that new SWLs put up a half-wave dipole for their favourite band and as a second antenna hang a length of wire as high and as long as possible around the section. The comparison of the two on different bands will be very interesting.

The next RCI QSL will be available for the Asian edition of 'DX Digest' in conjunction with the 1980 'World's Biggest DX Contest' as part of 'Radio Monitors International' from SLBC on Sunday, 5 October. During the last half of 1980, the RCI Asian Edition of 'DX Digest' features the 35th Anniversary of Radio Canada International.

via RMI

RMI DX Contest - Full details can be sent to members in return for a S.A.S.E. and 10c stamp to cover photocopying. Date of contest - 5 to 12 October.

**practical tapes**

There is an increasing tendency on the part of DXers to send tapes and cassettes in lieu of written reports. While these will positively identify the stations heard, DXers should consider the extra work involved at the station. More often than no there will be no replay facilities in correspondence sections and the chances are that the tape will simply be dumped; if tapes are required back extra postage will be entailed and unless this is provided the station will be put to additional expense or, more likely, won't return the tape.

If what you hear is significant, rare, or exceptional reception send a very small tape or cassette of up to, say, 4 minutes; record reel to reel at 7 1/2 i.p.s. and try to provide ID announcements or studio originated items like weather reports etc. Send plenty to cover cost of return postage.

THE TAPE SHOULD SUPPLEMENT A WRITTEN REPORT AND NEVER BE IN LIEU OF IT.

TK

**Mailbag** seems to have gone adrift somewhere between Auckland and Wellington. We'll try and catch up with it next month.

**CHIPS**

With the introduction of the SONY 2001 we are at the beginning of the transition from radio to computer and nearing the time when all electronic processes in the home are controlled by microprocessors. Another result of the development of the 'chip' will be the earlier obsolescence of radios now considered to be way ahead of those we were hailing as a major advance a year ago. Already there are suppliers who accept that new development is so rapid that the technical side cannot keep up. The next step will surely be when, after a couple of years or so, not only will the technicians be unable to repair a set if this appears necessary but spare parts will be unobtainable because of changes in the interim period

And as for modifications carried out by the enthusiastic amateur - will these remain possible. CS

**ideas**

One of our younger members, Nicholas Pacey (Age 11) of Auckland, has told us that he keeps his QSLs in plastic envelopes which he punches and puts in a ring binder. By his listening post he has pin boards which are used for pennants, calendars, radio posters etc.

Nice to hear from you, Nicholas - hope you will write again when you have more of interest for us. Ed.

**F M**

According to a report from Melbourne, commercial FM radio went on the air in Melbourne on 10 July. The station, callign EON, is one of seven for which ABC has issued licences, two each for Melbourne and Sydney and one each for Adelaide, Brisbane and Perth. By the time this appears at least the Sydney station TWO-DAY should also be on air.

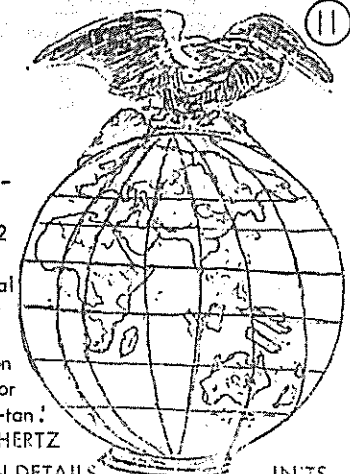
'Star', Dunedin.

**SHORTWAVE BANDWATCH**

Guest Editor: Bryan Clark

Top DX story of the month is undoubtedly reception of Radio Vemarana, an anti-government station on the northern New Hebrides island of Espiritu Santo, first heard by Owen Cullen on 11 July. The station continued to operate after the Anglo-French condominium territory became the independent nation of Vanuatu on 30 July and is still on-air as I type this (5/8). See 3522 for details! We also have a report of the long-running Radio Tanafo, last heard back in 1976 and news of test transmissions planned by Radio Ecuatorial - both these items from Peter Jones. Other highlights include some excellent Latin and African reception again, and continued tests from Dubai. If you're wondering what the logo at right is, see 114.63kHz for the first information on a further series of DX Tests for NZ from "The Voice of Ireland", Radio Condor International. Barry W. will be back next month, sporting a Californian sun-tan!

ALL TIMES IN GMT (Add 12 hours for NZT) FREQUENCIES IN KILOHERTZ



FREQ	TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	INITS
3220	1223	PAPUA NEW GUINEA	Radio Morobe	very good but QRM at times.	KG
3230	1850	SOUTH AFRICA	Radio RSA	in PP opening, good signal.PR. 1855 EE & PP ids at s/on.Fair.	CS
3250	1800	SOUTH AFRICA	Radio Five	with EE pop music, very good some days.	PJ
3265	1844	INDONESIA	"Radio Republik Indonesia Gorontalo"	ident, fair. Cn extended sked for the Moslem holy month of Ramadan (this year 13 July to 11 August). Other Indonesians noted late July incl: 3975 Surabaya vg 1908, 4932 Surakarta 1905, 3427 Manokwari gd 1915, 3384 unid often 1919, 3323 Jember assumed 1912, 4753 Ujung Padang vg clear 2003.	BC
3307	1848	ZIMBABWE	ZBC Gwelo	with bi-lingual commercial service till f/out 2009 14/7. EE time checks on the hour, interviews, Sth African nx relay 2000. No sign 3396 lately.	BC
3315	1816	INDIA	All India Radio Bhopal	w/brief EE news, then back into Urdu. Good.	BC
3326	1827	NIGERIA	Lagos "Federal Radio Corporation of Nigeria"	ident 1830 after EE news.	JS
3331	1844	COMOROS	Moroni finally allowed good logging 31/7.	FF, Swahili from 1900. S/off with anthem 1959. Suffers heavy QRM most days from teletype on 3330.	BC
3345	1155	INDONESIA	RRI Ternate	with talk prgm. CW QRM. 3223 RRI Mataram at 1310 too.	TKY+
3360	0800	PAPUA NEW GUINEA	Radio Milne Bay	poor.MB. 1226 vg in EE. Some ABC prgms.	KG
3522n	0900	VANUATU/CLANDESTINE	Radio Vemarana	carrier noted 0700a with Bislama prgms followed by FF. EE begins 0900 though varying as late as 1020 some days. Id as "This is Radio Vemarana, broadcasting to the world from the island of Santos in the New Hebrides on a frequency of 3522 kiloHertz. First hrd 11/7.OC. 0900 Espiritu Santo w/EE news 0915. AC. 1020 rebel station w/prgm in Pidgin & EE.SG. 3520 hrd 1015-1115 EE & FF 2/8. PJ. Hrd thru CW 0850 3/8.DM. 0937 3/8 pushing thru CW with EE anti-govt haranguing & western pops. Vemarana is name given to island of Espiritu Santo by secessionist group when they announced their breakaway independence earlier in the year. BC	
3905	1226	ADMIRALTY ISLANDS	Manus Island	hrd nightly, very good in EE and Pidgin.	KG
3910	1045	JAPAN	Far East Network Tokyo	with poor-fair signals.	MB
3935	1820	INDONESIA	RRI Semarang	very good in Indonesian. Hrd last Nov. at same time.DW(see 3265/	
3945	1830	VANUATU	Vila ran morning tx	week before & after independence.Exc //7260 & 1125.BC. Ed)	
3952a	1815	UNID.	vg in AA most mornings.	Clock chimes 10 at 1900.S/off 2000. First hrd 3960 8/5 but approx 3952 since. No // hrd.DW.(Have also been monitoring here Dave. Was 3950 on 5/6 but up to 3951.5 next day. Almost certainly Hurriyah, Iraq but still chasing id too. BC)	
3965	1755	AFGHANISTAN	Kabul	assumed the //4740,6230 vg since 6/3.Signals improved in June.	DW
3965	1835	UNID	in Afrikaans,	hrd twice since 29/6,poor under Afghanistan.Assumed SABC.	DW
3985	1007	ECUADOR	Radiofonica Popular	opens with a march.AC. 1043 vg most nights in Quechua.	PJ
3990	1801	VANUATU/CLANDESTINE	Radio Tanafo	hrd with EE pop mx till 1826 full id & s/off.	PJ





TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	INITS
4040	1055	USSR	Yerevan fair with disco & rock mx. Ufa 1105 poor on 4485. Khabarovsk 4610 at 1110.	MB
4120	1100	INDONESIA	RPDT2 Gurut fair signal. News? (Did you get an ident on this Max? Ed)	MB
4680	0715	ECUADOR	Radio Nacional Espejo presumed the SS here with Latin mx, no ids 21/7, 23/7.	CS
4719	1145	INDONESIA	(Celebes & Moluccas) Ujung Padang with Indonesian mx, id, fair.	CS
4765	1300	INDONESIA	RRI Medan with "Raynan pulau Kelapa".	NY+
4765	1920	LIBERIA	ELWA Monrovia with Childrens prgm in EE, good.	PR
4780	0500	DJIBOUTI	Radio Djibouti in FF. Used LSB to knock out Gabon 4777. PJ (East African reception extremely unusual at this time, think you mean USB to get away from lower freq.? Ed)	NY+
4789	1140	INDONESIA	RRI Fak Fak popular mx prgm, good in Indonesian.	NY+
4779m	1832	MOZAMBIQUE	Radio Mocambique here regularly since 1/8. 4 gongs & id in PP.	BC
4800	0510	ECUADOR	Radio Popular Independiente in SS, plenty id's, Latin mx prgm.	CS
4810	0327	GALAPAGOS	HCVJ8 held for 20mins 8/7, weak signal. Heavy QRN.	PJ
4815	0530	UPPER VOLTA	Oadougoudou w/weak signal in FF, s/on at this time.	PJ
4832	1000	COSTA RICA	Radio Reloj very good in Spanish.	TA
4835	1000	BRAZIL	Radio Nacional seems to open at this time, signal clear.	AC
4845	1045	BOLIVIA	Radio Fides good clear signal, mx, ids. OC. 1055 Station ident, fair.	CS
4845	1830	MAURITANIA	Nouakchott id, EE nx, FF 1845 followed by AA. CS. (Do not confuse with 4850 Cameroun which has EE nx 1830 too, Ed)	
4855	0930	COLOMBIA	Radio Neiva opening irregularly at this time. Also 0500 s/off. AC. Since 11/7.	SG
4855m	2045	UNID	Middle Eastern mx prgm with no anncts 1/8, 2/8 till 1/out 2105. Little Yemen splat.	BC
4870	1055	ECUADOR	Radio Rio Amazonas fair with pop music.	OC
4890	0600	SENEGAL	Dakar s/on with harp and FF ident "Ici Radio Senegal, Dakar".	PJ
4922	1115	INDONESIA	RRI Surakarta with popular music and talk prgm.	NY+
4945	0705	COLOMBIA	Radio Colosal, latin mx, ids in SS, fair. CS. 0730 PS. 1010 good in SS.	TA
4990	0915	VENEZUELA	Ecos del Torbes fair in SS, with Latin mx, plenty of idents.	CS
5020	0845	SOLOMON ISLANDS	Honiara mssgs to outlying islands, EE gd. JW 0739 very good.	KG
5030	0500	VENEZUELA	Radio Reloj Continente fair in SS.	TA
5035	0941	BRAZIL	Radio Aparecida very good 8/7 w/PP talk and religious mx.	PJ
5075	1020	COLOMBIA	Radio Sutatenza good in SS. TA. 5095 Sutatenza strong sig, id at 0857.	PS
5100	1100	PERU	Radio Esmeraldas with full ident annct, then popular music.	AC
5130	0820	ECUADOR	HCJB fair-good with prgm //6130. Testing? Hrd this time last yr on 5950.	DW
5155	0606	GREECE	VOA Kavala with world newscast, good.	JW
5157	1100	COLOMBIA	La Voz de Centauros good but very strong het. Advt for 'Electric Compania'.	SG
5180	0356	GUYANA	Demarara, on late with calypso mx. Full ident 0358 and s/off 0400.	PJ
5185	0935	ARGENTINA	Radio Splendid exc most days w/SS advts, mx. PJ. 1030 ident, poor.	CS
5185	0405	MEXICO	XERMX Mexico City heard here on Sundays, fair in EE.	PJ
6000	0810	BRAZIL	Radio Inconfidencia in PP, fair. CS. (Note freq. Ed). 0850 strong till 1000, mx, advts.	PJ
6010	0100	BRAZIL	Radio Aparecida fair w/full ident & freq. annct. SG. 0300 s/off, 0900a s/on.	AC
6035	0610	LIBERIA	VOA Monrovia EE nx, mx and ident, fair.	CS
6040	1000	COLOMBIA	La Voz del Tolima lbague vg in SS with clear identification.	DW
6060	2300	ARGENTINA	Radio Nacional fair at this early time. 6120 also heard.	SG
6080	0800	COLOMBIA	Radio Super, Cali fair, but suffers splash QRN.	SG
6100	1130	CHILE	Radio Calama clear signal from this rare Chilean.	SG
6110	1830	AZERBAIJAN	SSR Radio Baku s/on with good clear ident as VOA s/off. Own anthem and interval signal, language assumed Azerbaijani. Not a Radio Moscow prgm.	DW
6130	0905	ECUADOR	HCJB Quito exc w/"DX Partyline". 9745 also exc in EE 0717.	JW
6135	0707	TAHITI	Radio Tahiti in like a local with island music.	KG
6140	0600	PERU	Radio Huayllay good signal, several idents. S/off time varies around 0700.	SG
6150	0230	CHILE	Radio Nacional heard to past 0500, when blocked by BBC.	AC
6150	0700	BOLIVIA	Radio Luis de Fuentes election results in SS 30/6. Off 0719, vg. (Excellent! Ed)	PJ
6165	0940	SOUTH KOREA	Radio Korea in SS, good over Radio Cultura Brazil. DW. 1030 EE news.	AC
7050	0345	EGYPT	Cairo fair. (Appreciate more prgm info & reception cmts with contributions. Ed)	MB
7120	0230	ALBANIA	Radio Tirana with EE prgm to 0300.	AC
7180	0555	ALGERIA	Algiers FF network, ident fair, //17718 20/7.	JM
7260	1945	EAST GERMANY	Radio Berlin International EE transmission, good.	MB

FREQ	TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	INITS
7260	0710	VANUATU	Radio Vanuatu with anncts in Pidgin, mx, good. CS. 0824 vg in English.	KG	
9450	0511	USSR	Radio Moscow good in EE with weather and "Olympic Report".	JW	
9495	0625	MONACO	Trans World Radio fair with EE transmission.	MB	
9515	0341	GREECE	Voice of Greece with news, good signal. Closed 0350.	PS	
9525	0200	POLAND	Radio Polonia in EE, poor due noise QRN.	TA	
9570	1000	SOUTH KOREA	Radio Korea good with EE transmission. MB 9870 fair in EE 1015.	TA	
9590	0240	NETHERLANDS	ANTILLES Radio Nederland good in EE "Newsline".	GP	
9605	0005	NORWAY	Oslo in EE with commentary, poor.	CS	
9695	1200	KAMPUCHEA	Voice of the People of Kampuchea poor most nights in EE. 11938 not hrd.	CS	
9710	1130	ARGENTINA	Radio Splendid, weak noisy signal, with news at 1200.	SG	
9735	1000	ANTIGUA	Deutsche Welle relay w/int signal & ident, then SS news, good.	CS	
9740	0300	CZECHOSLOVAKIA	Radio Prague vg with news & art prgm. Also on 9540.	GP	
9750	0201	CHILE	Radio Minería vg on 25/6 with football cmtry in SS. Full ident 0215.	PJ	
9840	0230	HUNGARY	Radio Budapest very good with world news.	GP	
9880	2115	CHINA	Radio Peking vg in EE. Also 11695 noted very good EE 2100.	TA	
10040	2125	VIETNAM	Voice of Vietnam in English, Sign-off 2130, QSL already to hand.	TA	
11463	--	IRELAND	Radio Condor International, the hobby pirate which conducted special tests to mark the 1980 NZRDXL Convention has advised that while they were not received in NZ, the tests were successfully hrd in Europe and North America. In view of the reception in NZ of their 6243kHz outlet last March, they will conduct further test tx on this frequency on Sunday 5, 12 and 19 October from 0600 to 0800. On 26 October timing will be 0700-0900, and on Sundays from 2 November the frequency of 11463 will be used. Address for reports is 53 Charleston Road, Ranelagh, Dublin 6, Ireland. IRCs and a self addressed envelope are requested for replies.	BC	
11637	0120	ISRAEL	IBA Jerusalem good in EE with "Thank goodness it's Friday".	CS	
11715	1700	ECUATORIA GUINEA	La Voz de Rio Muni will conduct test transmissions, beginning shortly, to Europe, Africa and Asia on 7150, 9555 and 11715kHz between 1700 and 2000. This according to an EE annct heard on Radio Ecuatorial Bata 4926, which also stated that reports would be welcome. PJ. (Morning GMT tests were hrd in NZ last Sept on 11714. Ed)		
11730	0730	SPAIN	Spanish Foreign Radio with World news, exc in EE.	JW	
11750	1800	PORTUGAL	IBRA Radio via Sines, in Russian.		
11800	2200	ITALY	Rome with EE ident & frequency info, then news. QRM from DW, poor.	CS	
11800	2045	PORTUGAL	Lisbon in EE with music prgm. QRM from RTI. (RAI? Ed)	CS	
11880	0553	SPAIN	SFR Madrid excellent in EE with world news. JW. 0535 "Olympic Report" noisy.	PS	
11880	0804	FRANCE	Paris w/interval signal, FF to Antarctica, Monday only. Fair 28/7.	JM	
11895	1532	NORTH KOREA	Pyongyang EE ident, music, talk. Fair 18/7 ex 11885.	JM	
11815	0300	POLAND	Radio Polonia Warsaw fair in EE transmission.	MB	
11860	0443	BULGARIA	Sofia at fair level, but a lot of noise QRN.	PS	
11905	0600	WEST GERMANY	Deutsche Welle African Service exc in EE with world news.	JW	
11975	1340	USSR	Radio Station Peace & Progress with RR news, good.	GP	
11985	0700	ALBANIA	Tirana interval signal and ident. Not loggable due noise.	PS	
11990	0306	CZECHOSLOVAKIA	Prague fair signal with news.	PS	
12015	0435	AUSTRIA	Vienna "Report from Austr" vg, best to NZ at present. GP. EE cmt, fair.	CS	
11938	0000	KAMPUCHEA	Voice of the People, Phnom Penh fair in EE but heavy QRM from jammer on 11935. FF from 0015. //9695 heard on one occasion only, much weaker.	BC	
15110	0030	INDIA	All India Radio in EE, good.	TA	
15200	0808	ECUADOR	HCJB Voice of the Andes "DX Partyline" good, featuring Reunion int. signal.	JW	
15200	0830	INDONESIA	Voice of Indonesia good in EE. MB. 0835 good with local news.	GP	
15230	2030	CHINA	Radio Peking very good in EE. 15120 noted in EE 1005, also very good.	TA	
15305	0724	SWITZERLAND	Swiss Radio International fair in EE, local nx. JW 0145 good in EE.	MB	
15315	0329	IRAN	Teheran s/on in Farsi, talks, ident, good //15084 20/7.	JM	
15345	1857	NORWAY	Oslo with opening anncts in EE & Norwegian, then Norwegian prgm, fair.	CS	
15400	0305	SEYCHELLES	FEBA fair in Farsi.	TA	
15560	1736	AUSTRIA	ORF Vienna with 'lieder' in GG, then cmt, good. CS. 1838 "Austrian Report" vg. GP	GP	

TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	
15570	0825	SOUTH KOREA	Radio Korea Seoul fair w/world news. JW. 1000 very good in EE.	TA
15582	0015	ISRAEL	IBA Kol Israel good in EE. MB 0100 EE to North America. Also 21710.	AC
17605	0707	HOLLAND	Radio Nederland with "Newline" to West Africa.	GP
17635	1000	CHINA	Radio Peking very good in EE. 17855 also noted vg at 0100.	TA
17710	0200	HUNGARY	Radio Budapest here in English, fair.	MB
17750	0238	UNITED ARAB EMIRATES	Dubai testing in EE with ident, mx, fair 20/7.	JM
17775	0609		Dubai with mx, mainly jazz & orchestral. Test tx ident w/address 0615. QRM Radio RSA 17780. Faded 0640. 29/6. Very good following day with regular ident. GP. (See 21700 too)	
17775	1330	USSR	Radio Station Peace & Progress fair with EE transmission.	MB
17773	2000	ALGERIA	Algeirs with EE ident, music & news, fair 1/8 ex 17718.	JM
17785	1329	HUNGARY	Radio Budapest EE to Asia, news, Olympic Report, fair 23/7.	JM
17805	0030	USA WYFR	Family Radio very good with Bible Reading in slow English. 17845 vg 0050 EE.	GP
17810	0700	JAPAN	NHK Overseas Service from Tokyo, world news, excellent.	JW
17830	0235	PAKISTAN	Radio Pakistan w/news & music. GP. 0120 fair with ident, cmt in Bangla?	CS
17850	2230	SWITZERLAND	SRI Berne new frequency, closing in GG 2245.	AC
17860	0300	NEW ZEALAND	Radio Nz, Wellington very good in EE.	TA
21560	2000	GREAT BRITAIN	BBC World Service mx & "24 Hours" on this new frequency 4/7, vg.	BC
21690	1100	SWEDEN	Radio Sweden Stockholm in EE. News & "Panorama", poor.	CS
21700	0115	UNITED ARAB EMIRATES	Dubai very strong in EE w/pop mx till 0203 s/off. AA lang.	PJ
25900	0710	FRANCE	Radio France International good in FF.	TA
26020	0400	ECUADOR	HCJB Quito fair-good w/religious prgm 21/6. GP. (Power drop to 10w proposed !Ed)	

CONTRIBUTORS: Thank you this month to:					
GP Graeme Pearce	PJ Peter Jones	JW Jim Webb	JM John Mainland	OC Owen Cullen	
TA Tim Austin	CS Cecil Symmes	DM David Munn	DW David Webber	PR Paul Rawden	
BC Bryan Clark	AC Arthur Cushen	MB Max Burke	SG Steven Greenyer	KG Ken Graham	
and overseas member NY Yoshihiko Nakayabu of Hyogo, Japan.					

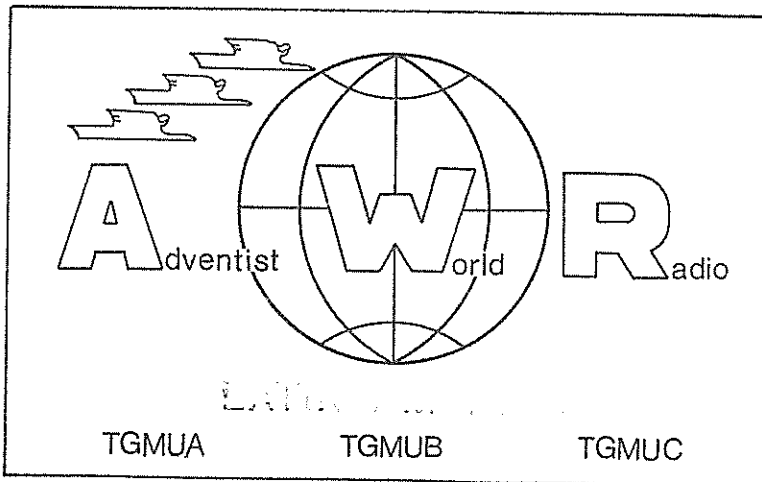
A few pleas to contributors - please submit items in format as above, ie frequencies in ascending order, time, country, then station name and some detail of programming and reception. Those who send out-of-sequence, free flowing items give your editors a headache when there is a deadline to meet. Also a contribution saying just Japan poor, doesn't make very interesting reading for our readers. Thanks for your cooperation fellahs!

**SHORTWAVE MAILBAG** Maxwell Burke of Christchurch has QSL'd Iraq 9745, Portugal 11925, ORF 5945, DW 9650, Radio Nederland 9715 (likely Netherlands Antilles relay - used for 0730 & 0830 tx. Ed), TWR Monte Carlo 9495, Nth Korea 9977, Peking 11720, Malaysia 15295, FEBC 11890, AIR 11620. Notes sent to me due submitted in Bandwatch format Max. Please just list station or country followed by frequency. Thanks.

**RIGHT:** QSL card of the newest Adventist World Radio outlet. Their address is Apartado 35-C, Guatemala City, Guatemala. Last hrd in May on 5980kHz.

**AUSTRIA:** New frequencies effective 7/9: 21735 to A/NZ 0400-0600; 17830 to A/NZ 0600-0900; 21595 to A/Nz at 0900-1200; replacing 21740, 15440 & 21585 respectively. 15155 to East Africa 1700 to 1900 replacing 15225. D. Doull

**NIGERIA** 4770 address (not in WRTVH is Federal Radio Corp of Nigeria, P.O.Box 250, Kaduna. QSL letter from Chief Engineer says power 50kw BC



## ARTHUR CUSHEN'S SHORTWAVE REVIEW

(15)

The interesting propaganda war in the South Pacific with Radio Vanuatu and the station operated by Jimmy Stevens both being heard over the past month. was one of the highlights of listening. The reception of a new frequency from Brazil and broadcasts from Malta have been observed while daylight signals are gradually fading as we move towards better reception at night. This is part of a script broadcast on July 28, 1980 at 0530-0600GMT on 15345, 17860kHz and repeated 0845-0915GMT on 6105 and 11945kHz. All times are GMT, 12 hours behind NZST. All frequencies in kHz.

**AUSTRALIA:** Radio Australia's November schedule shows the use of a new frequency 9560kHz operating 2100-2300GMT.

**BOLIVIA:** Radio Panamericana on 6035kHz heard closing at 0500 and opening at 1000GMT.

**BRAZIL:** New station presumed to be Radio Aparecida has been noted on 6010kHz closing 0300GMT and opening 0900GMT. It is presumed this frequency replaces the allocated 5035kHz.

**CAMEROON:** On 4850kHz heard opening at 0500GMT with news in French and English.

**CHILE:** Radio Nacional heard with devotional programme on Monday at 0230GMT on 6150kHz. The frequency is blocked by the BBC at 0500GMT.

**COLOMBIA:** Radio Neiva 4855kHz heard opening at around 0930GMT and closing at 0500GMT.

**COOK ISLANDS:** Raratonga 5045kHz now closes at 0900GMT.

**ECUADOR:** Radiofonicas Populares in Riobamba 3985kHz heard opening at 1007GMT with a march. On 4820kHz "La Voz Catolica de Ambato" heard opening at 0923 with march and announcements in Spanish and Quecha.

**EGYPT:** Cairo very well received in English to North America on 9475, 12050, 0200-0330GMT.

**INDONESIA:** Radio Pakfak opens at 2027GMT with chimes and a march on 4790kHz.

**ISRAEL:** English to North America 0000-0030, 0100-0130 on 17637, 15582 and 27710kHz and 0200-0230 9815, 11637 and 15582kHz.

**KOREA:** Seoul heard on 6165kHz with English 1030-1100GMT. This is a relay of the Home Service.

**MALTA:** Radio Mediterranean 5960kHz heard opening with English at 1800GMT over Radio Tirana. Has Arabic to 1820, French to 1835 and English to 1900GMT.

**NEW HEBRIDES:** Vila continues to be heard on two frequencies 3945kHz and 7260kHz with English 0830-0845 Monday to Friday. A new station has been heard on 3522kHz on Espiritu Santo operated by the opposing group with the call "Radio Vemarana" or such, operating from around 0730GMT in French to 0900 then English 0900-1130 or later. News broadcast 0915 programme mainly of old recordings and signals much stronger than when broadcast from Tanafo 3990kHz when the power was 60w. (Owen D. Cullen). The station's last broadcast was on Wednesday July 23 and has not been heard since the British and French Forces reoccupied the Island on that day.

**PAPUA NEW GUINEA:** A new mediumwave station is testing on 1494kHz, 10kw from Enga and announcing in English and Pidgin according to cable from Graham Love in Port Moresby.

**PERU:** 3552kHz Radio Dif. la Convencion heard at 1100; 5300kHz Radio Esmeralda also heard at 1100 while on 6140kHz Radio Huayllay heard closing at 0700, irregular. (S. Greenyer).

**SWITZERLAND:** Berne new frequency is 17850kHz replacing 17760kHz and heard 1815-2245GMT. Also on 15125, 17830, 21585, English 1815-1845.



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# ..sign off..

with JOHN MAINLAND

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HONG KONG "Bob Hill received a letter from Radio TV Hong Kong saying their shortwave broadcasts were temporary and have ended. Mark your calendar for March and April 1982 when they are expected to re-activate sw during the next China Sea yacht race from Hong Kong to Manila". G.Hauser RN DX 19/6

NAMIBIA/SOUTH WEST AFRICA According to a report on 7th June from Radio RSA, the two new shortwave txs are expected to use this sked: 0300-0515 4965, 3270; 0515-0615 7190, 4965; 0615-1515 9650, 7190; 1515-1615 7190, 4965; 1615-2200 4965, 3270; 2200-0300 3270.

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MALI Radio Mali will be equipped with three txs—two shortwave ones of 100 kw and 50 kw each and one 100kw mediumwave transmitter, according to a report from Bamako on 10 June. BECMS

ECUADOR HCJB's 500kw transmitter should now have arrived in Ecuador. First tests are expected in September during the morning broadcast to Europe on 25 metres and the early evening programme to Europe on 16 metres.

M.Jensen(USA) via RCI DX 30/6

POLISH PATHFINDERS STATION has a new summer schedule, the new fq is 8100 in addition to 6195, Tues-Fri 1000-1600, Sundays, certain Saturdays and holidays 0800-1600.

G.Hauser RCI DX 30/6 via SCDX

FRANCE According to a letter from Radio France International they intend to resume broadcasts to the Americas in PP, FF and SS.

RCI DX 30/6

FRANCE France-Inter reported that, in an address to the Union of French People Abroad on 23rd June, the Prime Minister had stressed the importance he attached to the retransmission of RFI broadcasts in the world. Two txs—one in Guyana and one in Gabon were to go into service shortly to improve the audibility of RFI in Latin America and Africa.

BBC MS

EAST TIMOR The RRI station in Dili, operated by the Indonesian occupation forces, has changed frequency from 3120 to 3305 kHz.

Takuva Nakayama, Japan(SCDX)

PUBLICATION Miki Vcelar has published a new issue of "External Services of African Stations", covering the period beginning in May. This one page summary is a complete list of African stations' external/internal services in EE, based largely on actual monitoring. The list is sent automatically four times a year to subscribers to "QTH Africa". It is also available separately for 2 IRCs airmail anywhere in the world. "QTH Africa" has entered its second year of publication... A one page summary of changes on the African radio scene, it is issued every ten days. Besides the regular list of external broadcasts, subscribers also receive twice a year "Survey of the Clandestine Stations of Africa". Sample copies of "QTH Africa" as well as more information and the external lists can be obtained from: QTH Africa, Box 28250, Pretoria 0132, South Africa. SCDX 17/6

MEXICO Radio Mexico announced on 5th July that with the help of engineers from the German Democratic Republic, Mexico would build a short-wave broadcasting centre at Oxaltepec, 50km from Mexico City. BBC MS

BULGARIA "Radio Sofia" EE:0000-0100 15330; 0430-0500 11750; 1830-1900 17825, 15310; 1930-2000 11720, 9700; 2030-2130 17825, 15310, 11735; 2130-2200 15135, 11750. BBC MS

ISRAEL The Voice of Israel domestic sce announced on 15th July that Summer time would be introduced in Israel from 2nd August. Clocks will be moved one hour forward for the period from 2nd August to 13th September. Pxs will be 1 hour earlier.

BBC MS

LESOTHO Radio Lesotho has three powerful SW transmitters under construction, to be in operation possibly in August.

R.Ginbey, RN DX 12/6 via NASWA LN

SOUTH AFRICA Radio RSA will introduce a South American sce in SS and PP in Sept 1980, per a parliamentary announcement.

R.Ginbey, RN DX 12/6 via NASWA LN

PERU Radio Huayllay, in Huayllay, Pasco, operates OCX41 on 1590 MW and OB24P on 6140 SW. The station is 4350m above sea level and transmissions began 15/11/79.

Tony Jones, Paraguay, 24/5 via NASWA

BOLIVIA Observations made following the recent military coup confirmed the operation of the following: Radio Grigota, Santa Cruz 4830; Radio Sararenda, Camiri 4885; Radio Norte, Montero 4938; Radio Batallon Topater, Oruro 4980; Radio Animas, Chocaya 4990; Radio Cristal, La Paz 5005; Radio Robore, Robore 5312; Radio Progreso, La Paz 6005; Radio Panamericana, La Paz 6035; Radio 21 de Diciembre, Catavi 6082; R.Santa Cruz, Santa Cruz 6110. BBC MS