



NEW ZEALAND DX TIMES

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JUNIOR DXER AWARD 1977

Each year the NZ Radio DX League recognises the junior member who has shown the greatest improvement as an all-round DXer and supporter for League activities. The criteria for selection are the number of QSLs and radio countries verified during the year, and the regularity of contribution to the various sections of the NZ DX Times. The name Paul appears to be an 'unwritten qualification' for success, as another Paul joins the previous winners - Paul Ormandy in 1975, Paul Rawdon in 1976.

Paul Edwards of Wellington, award winner for 1977, began DXing in September 1974 and has followed both shortwave and broadcast band aspects of the hobby. 146 countries have been QSL'd on SW, and 43 on ECB, with Paul regarding his best veries to be Azores 4865 1kw, Bhutan 7040 300w, Togo 3232 4kw, Cayman Islands 1555 10kw and Radio Tropicana Ecuador 540 25kw. The equipment lineup is headed by an Eddystone 680X 15 valve communications receiver, and a BC221 frequency meter, cassette recorder and typewriter provide support. A 40 inch portable loop antenna is used for ECB DX and 15 and 17 metre longwires are connected as 4 dipole antennae for SW. Paul is currently secretary for the League's Wellington Branch and an active member of the Times Publishing & Editorial Team. He has just completed the 7th form year at college and with studies over is enthusiastic to pursue the hobby. Our congratulations to Paul Edwards, winner of the 1977 Junior DXer Award.

HANDICAPPED INTEREST IN LISTENING

Arthur Cushen reports that a questionnaire survey carried out by the Ministry of Sport and Recreation amongst disabled persons, has revealed that many handicapped people are interested in radio listening, particularly members of the Crippled Childrens Society. The League has been asked to help in promoting the DX hobby with these people.

CORRESPONDENCE IN

Our thanks to those members who sent Christmas greetings to Magcom, particularly Ash, Paul and our Australian friends. + Last month Norm Maguire sought the assistance of members on broadcasting operations from Brazzaville in 1941. Arthur Cushen has a verification for 1 May 1941 from Radio Brazzaville,

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CLOSING DATE FOR NEXT ISSUE - MONDAY 6 FEBRUARY at 5PM. LET'S HEAR ABOUT YOUR HOLIDAY DX, QSLs, BEST-OF-THE-MONTH ENTRIES AND LADDER TOTALS. ADDRESS ALL CONTRIBUTIONS TO P.O. BOX 2956, WELLINGTON, NEW ZEALAND.

CONVENTION

Have you sent for your registration form yet? Dont delay - Easter 1978 is only 10 weeks away. Write now, to Convention 78, Box 1326, Invercargill

2 FROM THE BRANCHES

SOUTHLAND The Christmas meeting of the branch was held at the home of Ray & Raewyn Crawford on 13 December, with 25 present, comprising members and their wives or girlfriends. The meeting was also attended by Sam and Jenny Dellitt from Brisbane, and Arthur Williams was welcomed back from his trip overseas. A generous donation was received from our patron Mr O.Crawford, and details of the branch raffle prizewinners announced. The raffle, to raise funds for the 1978 Convention, gave the branch a profit of \$310 and members expressed their appreciation to Leo Miezenbeek for his work as organiser. After general business, the competition results were declared: ECB Premier Award to Sutton Burtenshaw YNCZ Radio Progreso Nicaragua 1515 1kw tied with Ray Crawford HJ.Z Baranquilla Colombia 1580 1kw. Rest of the World: Ray Crawford Syria 746 100kw. SW to Arthur Cushen with RN Madagascar 21480 300kw & Swaziland 3223 100kw. After the meeting, members and wives gathered in the lounge for a rescreening of the film of Arthur Williams and Neville Henry at Passau in Germany, and then a delightful supper was served. President Steven Greenyer remarked that for the past 25 years the branch had held the Christmas Party at the home of Mr & Mrs George Frampton, but due to their ill-health on this occasion, the gathering was transferred to the Crawfords. He expressed the appreciation of the branch at the very happy function. The next meeting is to be held at Tiwai on Tuesday 25 January.

NORTH OTAGO November and December have been quiet months DXwise for senior members, with the exception of Paul, as end-of-year commitments catch up on spare time. Junior members are starting to build up a good collection of QSLs and with money collected from a 'bikathon', they have decided to purchase a World Radio TV Handbook and more stationery. The branch picnic was postponed because of wet weather and will be held in February. The next meeting will be held on Thursday 19 January, Juniors at 6.30pm, Seniors at 7.30pm.

WELLINGTON Branch secretary: Paul Edwards, 25 Donald Street, Karori. Telephone 766-364.

NOTE TO BRANCH SECRETARIES: The Times will be happy to publish regular info regarding a contact in each branch (eg see Wellington listing above) for the use of new League members or members holidaying.

WHERE THE MEMBERS ARE ?

The December 1977 edition of the 'NZ DX Times' had a circulation of 460, made up as follows:

NEW ZEALAND Northland 4, Auckland 70, Waikato 13, Thames Valley 3, Bay of Plenty/Rotorua 18, East Coast/Gisborne 5, Taupo 3, Taihape 1, Taranaki 19, Hawkes Bay 10, Wanganui 8, Palmerston North 12, Manawatu 4, Wairarapa 6, Wellington 65. Blenheim 4, Nelson 8, West Coast 5, Christchurch 39, Canterbury 4, Timaru 8, Oamaru 15, Dunedin 17, Otago 5, Southland 32. Total 378

OVERSEAS Australia 38, Papua-New Guinea 1, Japan 8, Sri Lanka 1, India 1, South Africa 1, USA 16, Canada 4, Scandinavia 6, Belgium 2, West Germany 2, United Kingdom 2. Total 82, including 14 exchange/complimentary issues.

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L'Afrique Francais Libre, operating on 11970kHz with 5kw. Arthur Kindell has a QSL dated 29 October 1941, but minus frequency detail. Another verification from Brazzaville, dated 3 December 1948, gives frequencies as 15595, 11970 & 11685, and powers of 50kw, 7kw and 2kw. + Times Publisher Bruce Williams reports from a recent visit to Radio Australia's Shepparton site that 2 new 100kw transmitters have been uncrated and are expected in service mid-1978. + In the November Times we sought member reaction to reintroducing a Utility section in the Times. Only 3 members wrote in response to Paul Ormandy's proposal - one supporting, one interested in occasional items, and one totally opposed! Accordingly no action will be taken on this matter. + New Member Kits have been held up lately due illness - our apologies to new members involved.

BROADCAST DX

por los personal nesecario

No doubt by now most of our members will have returned home after an enjoyable well earned holiday. For those who had the opportunity to try out a new DX location we hope that the effort put into setting up a listening post was well rewarded with plenty of new loggings. Over the past few weeks conditions have shown a steady improvement and several new stations have been reported. With the majority of New Zealand stations on the air 24 hours for the holiday period listening has not been as easy as we would like. With the frequency changes due to take place next November the next Christmas holiday period will be quite different. All members are urged to support these pages, they are for your use and the more who contribute the more others will benefit. Let's all make a New Years Resolution to send notes regularly to the DX Times.

A note in the National Radio Club magazine, DX News, of December 12, advised that KFI, Los Angeles on 640 would be broadcasting on 641 from 0800 to 1300 on December 13 & 14th. This special test with the FCC and ITU was to check interference with 4YW in Alexandra, who would stay on 640. At the same time KNX, Los Angeles on 1070, would remain on its assigned frequency while 1ZB in Auckland would operate on 1071 or 1072. There is a chance that these tests will be repeated again in mid-March but as yet no dates have been decided. On the 14th of December a heterodyne was noted on 1070-1 by Sam Dellit and Ray Crawford who were listening at the Tiwai location of the Southland Branch. 1ZB was noted on 1071 and this was confirmed by measuring the frequency with Rays' transistorised BC221 frequency meter. KNX could easily be copied with little splash from 1ZB on both the Drake SPR4 and Barlow-Wadley. John Allchin of Auckland, advises us of his reception of the above test on the 14th and 15th, when after the end of the Tonight Show the following announcement was noted, " THIS IS ZL1ZB AUCKLAND, NEW ZEALAND ON 1071 KHZ. " after a period of ten minutes the station reverted to 1070 kHz and announced this frequency. The test being conducted on alternate frequencies every ten minutes.

RADIO N. A station in Wainuiomata, 2XN, Radio N, was granted a short term warrant to operate on 1300 kHz from the 19-12-77 to 2-1-78 with a power of 100 watts, the station was non-commercial with a programme format of beautiful music and community news. The transmitter was loaned to The Wellington Broadcasting Assn. Inc. by Radio Rhema.

A warrant was granted to 4YQ and 4YW to operate with commercial programming from 25-12-77 to 3-1-78 between 0900 and 1900 hours. *

BROADCAST MAILBAG.

John Allchin Auckland first up with logs of 1XC and 1ZB 1071. QSLs from WBZ, KOA, VQO 1030, and 1ZB 1071.

Paul Edwards Wellington gives two months results with Logs of KNDI, KRMG 740, Sabah 750, Samoa 1050, KATZ, 1600 Radio N, Sam and Sunshine, Aussies 2RE, KM, VM, MG, GN, LF, CN, DU, MO, HD, 3MA, BA, WL, 4MK, MB, SO, BC, GR, BK, 7SH, HQ, EX, and Iwakuni FEN, 1575. QSL'd are Sudan 1295, Abu Dhabi 728, KICY, KJR, KCRG, KLEI, KHVK, KBOI, 2VM, 2GN, 2LF, 7SH, 7LA, 4BM, 4SO.

ARTHUR CUSHEN Invercargill has a lone log of 1XC and verifies from CMDX 1420, HJPM 1450 and KHVH 990.

* Credits, Broadcasting Tribunal, A. Cushen, B. Clark, J. Wysocki, and A. King

ROBIN CHAMBERS Opanake reports to KEZY, KHVH, XTOM, 1ZU, 2XN, radio N and Sam. Verifies from KLIV, KHVH, 2XW and KTOM.

PAUL ORMANDY Oamaru QSLs 2BS, 3CV, JOIR, Noumea 1260, CKDA, Avon test 1360, XEG 1050. Logs of 4XS, 2XN, 1XC and will try for 4ZJ good luck.

BRYAN CLARK Wellington. Logs from home 2XN, 1XC, YVTI Maracaibo 1360, HCIC6 1465 and at Kaiteriteri KGO, KUHL, KPRO, KHVH, KWOW, KLOK, relogs KATZ And XTOM. A lone verie from 2XN 1300, wouldn't mind ONE of those.

JACK SEARLE HAUMOANA. A lone report to Radio Sam 1030, no sign off Radio N here either.

CONVENTION 78 at TIWAI... Don't forget to send for your application form if you intend to be among those attending. Applications close at the end of the month. Rush for yours now to P.O. Box 1326, Invercargill. Don't miss CONVENTION 78 at TIWAI...

NORTH AMERICAN TRAIL FROM TIWAI - Site of CONVENTION 78. All heard by Sam Dellit of Brisbane and Ray Crawford.

- 550 KTSA Farm show 1305
- 590 WOW News 0955
- 620 KIPA Weather 0930
- 650 WSM Country & Western 0935
- 700 WLW ' Interstate 7 ' show 0905
- 790 KABC Challenge Line talkback 0910
- 870 WWL good at 0910
- 880 KRVN weather 1335
- 910 KJJJ 'K-Jay' id 0900
- 1000 KOMO very good 1245
- 1030 KTWO talk show 0915
- 1040 WHO News 1245 excellent
- KPOI good 1330
- 1060 KPAY Good 1230
- 1070 KNX good all night
- 1080 KRLD excellent 0730
- KIOE 1215 over KWJJ
- KSCO good sign on 1330
- 1090 KING and XEPRS 1130
- 1100 KFAX good 1320
- 1110 KFAB excellent 1230 no sign 2UW
- 1130 KWKH good 1215
- 1160 KSL News 1200 very good
- 1200 WOAI Morning Report 1210 Excellent
- 1220 CKDA 1230 very good
- 1260 KGIL Traffic report 1440
- 1265 Paradise good 0900-1000
- 1310 KDIA good 1240
- 1320 KXYZ ABC News 0830
- WVOJ Tom Allen show spot 0833
- 1360 KRY5 Focus on Youth 0925
- 1380 WLCY fair-good 0815
- KTOM good 0900
- 1430 KELI good after KALI signs off
- Monday mornings at 0900
- ex WENO briefly at 0919 o/KELI
- 1440 KUHL News 0900
- WHHY briefly 0915
- XEAI often good 1000
- 1450 KBPS Sports 0835
- WSZD fair 0920
- 1560 KEVIP EE idents 1215
- 1580 KDAY good 0700 off at 0900 MM
- 1590 KBBQ and KLIV always.0730 on
- KTIL heard with DX Special 0900 to
- 0930 with 5kw and 0930 to 1000 with
- 1kw. Still fair on 1kw. 19/12
- 1600 KATZ Weather 0830 often fair
- KCRG 0830 regular
- WEUP time check and ID 1020
- KWOW briefly around 0930
- KGST Very good in SS

CHRIS MARTIN Sydney Logs KNKS, KFOX, KTCK, KOGO, KGO, New Caledonia 660? And has QSLs from Bucharest 854, Syria 746, Medan 855, Swazi 1376, Algeria 548, Galeon 1450, Belgrano 950, and Tropicana 540, for Country 149.

RAY CRAWFORD Invercargill alias Tiwai Has reports out to Sam, 1xI, 1ZB 1071, 2LT, XEVIP, KBBQ, KBPS, 1450, KTIL, WHHY, WJRB. Veries in from IF3 Belgrano, Rhodesia 1255, Ifesa 945, and finally Reloj 1075.

SAM DELLIT Australia, recently at Tiwai where he cleaned up the States with KFI1 WJRB, WHHY, KRY5, KTIL Test, XEVIP, WLW, WWL, KABC, WOW, WVOJ, KXYZ, WSM, KJJJ, KTSA, KRVN, and KGIL, see you again for the Latins.

DENE LYNNEBERG Wellington has reports off to KLIV, KNFI 1270 new location on Sand Island, KVON 1440, Iwakuni 1575, 2AP 1050, JOOF, 2XN, 1XC, and NYFX 1350. Veries of 2XW, KHVH, and KPOI.

DAVID RICQUISH Christchurch heard nothing to log, but verified KLIV, KEUB after 18m. CKFH, CKM, and Samoa 1050, known as 2AP Channel 2.

STUART FORSYTH Auckland has three out to Fiji 560, 2ZE and KHVH, will write.

***** BEST - OF - MONTH *****

OPEN: Paul Edwards with his entry of KICY Nome, Alaska, 850 kilohertz and a power of 5kw. 153 points.

NOUMEA on another frequency.

A couple of months ago Noumea was heard on 1260 kHz by Bryan Clark in Wellington. Chris Martin in Sydney reports that he is now hearing Noumea, New Caledonia operating on 660 with the same program as 670. There is no sign of the 1260 outlet.

HAWAII...In a letter to Dene Lynneberg, Alan Roycroft says that since KNDI's lease on the Pearl Harbour site expired and they have shifted to the new site on Sand Island near Honolulu no reports have been received for KNDI. This probably explains why it has been somewhat weaker than what it was a time ago. Tnx to Dene Lynneberg.

4ZJ JAMBOREE RADIO A telegram from Paul Ormandy advises that reception reports should be addressed to Box 888, Dunedin.

LATE CONTRIBUTIONS from LM, FR, SF and PB missed the 'Invercargill Mail Plane' and will be included next month.

EVENING.. From Bryan Clark listening at Kaiteriteri Beach. All heard on the Realistic TRF and unamplified loop. The site has real DX prospects with no Aussies audible before 1000 GMT.

590 KGMB id as K59 good 0910
 WOW poor under KGMB 0851
 600 Cook Islands running late 0840 1/1
 KOGO NBC news ex 0900
 Cuba in KOGO null good 0854
 610 KFRC 1977 pop review 0848
 640 KFI way over NZer ABC NX 0900
 680 KNBR News excellent 0900
 700 WLW clear with pops 0905
 740 KTRH Mutual Network ID 0905
 800 XEROK 'X-ROCK 80' good 0740
 810 KGO often over Fiji 0740-0800
 850 KOA excellent Sports talk 0840
 950 KJR and XEGM mixed 0840
 960 KOOL good thru NZer snow report 0909
 990 KHVH 'Radio 99' News 0909
 1010 1ZK/ZN out of sync over New Year
 1020 KTNQ 'The new 10-Q' 0915
 1090 XEPRS very good EE & SS 0845
 1120 WVUV mixed 4YQ 0709
 1170 KLOK over KVOO 0911
 1190 KEX very good 0922
 1260 KGIL fade in 0706
 1265 Paradise opening prayers 0903
 1380 KTOM 'KTOM Country 138' 0811
 1430 KALI in SS frequent ID's 0821
 1440 KUHL and KPRO dominant 0745-0900
 1450 Galeon fair 0817
 1470 XESM good 0727
 1510 KGA country music mixed NZer
 1530 KFBK first to fade in 0645
 1580 KDAY fade in 0648 ex all night
 1590 KLIV News at 0721
 1600 KGST ID 0738 yet listed daytimer
 KATZ mixed KWOW 0752
 KCRG good at 0830
 KWOW often 0722-0830

MORNING..

550 KMVI News 1433 PE
 590 KGMB Sports excellent 1433 PE
 620 DWWW good 1550 PE
 670 KBOI news and music 13-1400 PE
 680 KNBR talk 14-1500 PE
 700 WLW talk 1235 PE
 710 KMPC sports & pops 1233 PE
 750 KXL News and adverts 1447 PE
 800 XEROK SS Adverts 1215 PE
 820 WBAP News 1215 PE
 940 KFRE pops 1210-1440 PE
 960 KABL fair 1204 PE
 990 KHVH News at 1417 PE

MORNING continued...

5

1000 KOMO News 1200 PE
 1180 JOOR good 1240 when 2YW was
 off for maintenance DL
 1350 DYFX 'Eagle ID's' off 1400 PE/DL
 1575 FEN Iwakuni News after full ID
 at 1700 PE/DL

EVENING TRAIL...

670 WMAQ over Noumea 0745 RCh
 690 CBU mixed KKUA over 3YA 0813 RCh
 720 KUAJ pops over 4YZ 0800 PE
 780 WBBM over 4YA 0815 RCh
 870 KAIM ex at 0757 WWL under PE
 950 XEGM good 0843 PE
 960 KOOL over 3YC 0745 RCh
 980 KFVB mixed CKNW 1130 RCh
 1050 XEG 0750 RCh
 Samoa fair-good 0806 PE/DL
 1100 KFAX ending 'KFAX Newsreel' 1140 PE
 1110 KFAB good 1110 PE
 1150 XEJP mixed 2YX 0830 RCh
 1165 CRL Antigua good 1003 BC
 1180 WHAM jazz thru 2YW 0740 RCh
 1190 KEX off with SSB Sun 27/11 PE
 KEZY often over KEX 0710-38 RCh
 HLKX in Korean 1015 RCh
 1200 WOAI good 1134 PE
 1260 JOIR good 0914 BC
 1265 Paradise very good 0920-1020 DL/BC
 1270 KNDI Xmas songs 0700 PE/DL
 1360 YVTI Catatumbo Internacional
 good 0859 23/12 BC
 1440 KVON full ID at s/off 0758 DL
 1465 Nuevo Horizonte Ecuador 0910 23/12
 1578 CSB5 poor 0800 26/12 RCh /BC
 1586 ??Angola?? quite good 0800
 but quickly fades RCh
 1594 CSB4 good 0847 RCh

Thanks to contributors, Paul Edwards, Dene Lynneburg, Robin Chambers and Bryan Clark from home. Also from Ray Crawford and Sam Dellit for the Tiwai Trail.

New Zealand Scene... Radio Rhema is seeking 2kW on 1190 kHz for a 24 hour operation from Christchurch. During technical evidence before the Broadcasting Tribunal, Radio Rhema said it would be unhappy to broadcast on 1575 kHz, and that 1230 kHz was subject to too much interference from 2NC Newcastle, NSW. The application has been adjourned until mid January.

David Riquish

Closing date for applications is fast drawing near. To be sure of your form for enrollment for CONVENTION 78 write now.

CALL LETTER APPLICATIONS

- 1090 WTBJ - FL seeks WMFL
- 1140 KLPR - OK seeks KATT
- 1280 KFOX - CA seeks KFRN
- 1530 KRYT - CO seeks KXXV
- 1540 MI St. Louis CP seeks WMLM
- 1590 WWUN - MS seeks WYIG
- 1590 WGLD - NC seeks WOKX
- 1590 WAEN - PA seeks WDNH

CALL CHANGES

- 600 KSXO - CA ex KVCV
- 690 WYIS - PA Phoenixville CP
- 990 WZZD - PA ex WIBG
- 1110 KGFL - AR Clinton CP
- 1220 KBNO - CO ex KFSC
- 1230 KKTU - CA ex KGFJ
- 1240 WBCF - AL ex WOWL
- 1340 WHPI - IL ex WJPF
- 1350 KCHK - MN ex KTMF
- 1500 WSMX - NC ex WURL
- 1510 KAGC - TX Bryan CP
- 1530 KXRQ - AR ex KTMN
- 1540 WTGF - SC ex WKKR
- 1570 WAPL - WI ex WXRA
- 1580 WYFA - NY ex WSUF
- 1590 KZOK - WA ex KUUV

CP APPLICATIONS

- 850 WABA - PR CP: U? 5000/5000
- 900 WODY - VA CP: D3 1000/
- 940 WLQH - FL CP: D1 1000/
- 1100 KFAX - CA CP: to use present night pattern day and night.
- 1150 KBAL - CA CP: U2 5000/5000
- 1310 KNUI - HI CP: U1 5000/5000 on 900
- 1410 WSRC - NC CP: D3 5000/
- 1460 KTYM - CA CP: U4 5000/500
- 1490 GA Warner Robins U2 1000/500
- 1550 WKYE - TN CP: U4 25000/1000
- 1600 WCPK - VA CP: D1 5000/

CP's GRANTED

- 1140 KLUC -NV CP: U2 1000/2500
Loc. No. Las Vegas
- 1170 KFNW - ND CP: D3 10000/
- 1310 WICH - CT CP: U4 5000/5000
- 1410 KWYO - WY CP: U1 5000/500
- 1530 TX Hemphill CP: D1 1000/

ON THE AIR

- 1060 WKNG - GA
- 1110 CKJD - ON ex 1250 "The new eleven-ten"
- 1420 WKYI - VA

GENERAL

- 580 WKAQ - PR from 1.1.78 will be all NX
- 1600 WEUP - AL now 24 hours
- 1600 KATZ now T40

All tnx to NRC

NEWS FROM AROUND THE WORLD

ARGENTINA..LU9 Radio Mar del Plata, 670 has had its licence cancelled for repeated violation of National Telecommunication Laws. BBC/MS

GUATEMALA..TGW 640 now 100 kW Arctic/NRC

IRAN..now on 1322 ex 1325 with 200 kW Arctic/NRC

JAPAN..FEN Okinawa is now on 648 ex 650 FEN Iwakuni and Misawa are to go to 1575 ex 1580. Should be there but not heard as yet. FEN Tokyo 810 is to remain on 810. NRC

JORDAN..856 station is scheduled 0600 to 1830 in English with 10kW. Arctic/NRC

KUWAIT..As soon as new crystals arrive Radio Kuwait will move to 540 from 539, 1134 from 1133 and 1341 from 1345.Arctic/NRC

PANAMA..Radio La Exitosa in Chitre, has been observed testing on 740 since late November. No hours given. BBC/MS

PUERTO RICA..WOSO will be AN-7 from 15/12 with English and Spanish. ID as R. OSO. NRC

SOUTH YEMEN..An announcement carried by Aden Radio drew listeners attention to the fact that from 0730 on 28/11/77 it would broadcast on a new medium wave frequency of 1188 in addition to 755. Power of 1188 is 200kW. BBC/MS

SRI LANKA..starting on December 1st last SLBC Channel 2, the English service was on 920 and 975 //4940 from 1100-1730. SCDXers TWR at Puttlam will begin testing on 870 or 890 as soon as power is supplied by the Govt. Electrical Dept. This is expected to be in January. SCDXers

UNITED ARAB EMIRATES..Dubai are again using 1480. Main News bulletin in AA from 1930-1945. News review 2110-2120. The station signs off at 2130. BBC/MS

PHILIPPINES..DYFX in Cebu City is a recently reactivated station and is owned by the Eagle Broadcasting Corporation. DYFX along with DXED (also owned by EBC) was put off the air when Martial Law came into being. The station probably returned early in 1977. As reported in the Morning Trail the station is being heard signing off at 1400 and is mixed with JOER. Tnx Dene Lynneberg

FRANCE..Montpellier on 1594 is now 10kW. SRK

INTERNATIONAL WATERS..Radio Caroline and Mi Amigo began sharing 962 from Dec.1. Caroline on 2000-0500 in English and Mi Amigo in Dutch 0500-2000. Power is 50kW. SCDXers



High summer and time for DXing on the TV and FM bands!

MAILBAG: PAUL RAWDON at his new location in Eastbourne, Wellington, has a report away to ABT2 Hobart on NZ channel 3, logged on 30 December 0730-0830 GMT. Programming included "The Governor & JJ", a Gardening Show, news, weather and a report on the Sydney-Hobart Yacht Race. Paul has noticed almost daily activity from Australian channel 2 (our channel 3), mostly with picture and sound. ABN2 in Sydney is a regular. Signal strengths have been so good that the picture has been received in colour! The equipment used is simply a standard TV set with a pair of rabbits ears for antenna. The ABC-FM Sydney station on 92.9mHz has been heard once or twice in recent weeks. Programme format has been similar to RNZ's Concert Programme. A Bush portable receiver with telescopic whip was used for this reception, but no logging has yet been made.

ARTHUR CUSHEN Invercargill logged the sound of AMV4 Albury, 100.75mHz back on 19 November at 0700 GMT, with excellent strength. The station replied with a very nice letter and were surprised at the fine reception on a stereo receiver with no special aerial.

BRYAN CLARK Wellington has a wide-band FM Yagi beamed towards Eastern Australia, but reports limited success to date. ABC-FM Sydney 92.9mHz was heard on it's last legs 0847 GMT 17/12 and again at 0403 GMT 24/12. Also on 24/12, the sound for Australian channel 3 (91.75mHz) was observed, but no indication as to the station of origin.

MARK EMPSON P.O.Box 13076, Christchurch is offering high quality VHF convertors for sale. These units are directly interchangeable with Yaesu FR101 2m & 6m convertors. He also has some convertors running on 75mHz, 118-122mHz and 150-154mHz, and can get convertors on other frequencies if required.


WHERE TO LISTEN ON THE FM BAND

- 91.75 Aussie channel 3 sound.
- 92.1 ABC-Adelaide ERP 50kw.
7CAE-FM Launceston, Tas.
- 92.3 2 low powered NSW FM's.
- 92.5 3MBS-FM Melbourne 400w
(WRTVH says 93.7.Ed)
2NCR Lismore NSW 1kw.
- 92.9 ABC-FM Sydney ERP 50kw.
- 100.75 Aussie channel 4 sound.
- 101.9 ABC-FM Canberra ERP 50kw
- 102.5 2MBS-FM Sydney, NSW
- 103.5 3GCR-FM Gippsland, Vic.
- 105.7 ABC-FM Melbourne 50kw.

Note: 2MBS-FM has been on it's new frequency since early last year. WRTVH is out-of-date in this respect. Not all the low-powered educational/community stations appear to be on yet.



SUMMER'S ON US
CBC
TELEVISION
IS
TELEVISION AT
ITS BEST
...IN SUMMERTIME,
TOO!
CBC-TV



Charlies
Angels
tonight at 8:00
chek
TELEVISION
VANCOUVER ISLAND

VHF FM STEREO BROADCASTS - THE ADVANTAGES

via Brian Oliver.

With the imminent introduction of FM broadcasting as a matter of increasing speculation in NZ, it is timely to reprint the following advantages offered by the ABC in introducing their FM stereo service in January 1976:

- +V.H.F (Very High Frequency) broadcasting makes it possible to establish a large number of new broadcasting stations offering the listener new services and new kinds of service which were very difficult to establish within the already overcrowded medium frequency broadcasting band. VHF broadcasting also makes it easier to transmit the wider range of audible frequencies necessary for more natural reproduction of the original sounds.

+FREQUENCY MODULATION of the V.H.F transmission makes it possible for the receiver to reproduce the transmitted sounds almost totally free from atmospheric or other interfering noises, which is necessary, along..Concluded P8

On a recent 'business trip' to Hawaii, League member Ian Hitchiner took time out to visit DXer Norm Maguire and expatriate NZer Alan Roycroft, the man behind broadcasting in Hawaii! Ian reports...

"On the first weekend I rang and arranged to meet Norm Maguire at Fort Derussy on Waikiki. After introductions, Norm took me around a few of the shops which deal in communications equipment, from CB to ham & DX receivers. I noted the Panasonic RF2200 (National DR22.Ed) was US\$220 in one of these shops, but I was to purchase one of these much later from a Service Store for only US\$120. After comparing prices and looking at the variety of radios, we went to Norm's apartment for lunch and a look at his set-up. For MW it seems an ideal location, right on the sea front. Because Norm is not permitted to erect permanent aerials, he uses a 6' whip antenna tuned with a coil to give the metre band required. He uses a loop for MW DXing. Both are connected to his Drake SPR4 for listening.

I did not do much DXing while in Hawaii, but noted that RNZ came in very strongly, like a local station. BBC Ascension was another which gave strong signals. I enquired if Norm was aware of any recent advances in radio equipment. He mentioned trials being made with a new type of MW loop with a ferrite core, but the price of \$90 without postage made it hard to justify.

The second week I went to the big island of Hawaii; this island is about twice the size of all the other islands put together. It has two main volcanoes and we spent one day looking around one of the craters. At about 3000', the temperature was very similar to summertime in NZ.

The last weekend of my stay, I had the pleasure to meet Alan Roycroft who, between business calls, managed to give me a very memorable time and historical insight into early NZ radio - like the fact that 1ZM was originally located in the front room of a house in Manurewa. He also gave me a few items of news of interest to DXers:

+Station KNUI on 1310 will be moving to 900 about May 1978;

+New Hawaiian stations will be opening on 1110 and 610, but no further info is available at present.

Alan also mentioned that 2AP Western Samoa had been allocated 710, but he did not know of plans for it's use. For his own rebroadcast system, Alan uses a 1 metre loop to pick up the main station for retransmission

A note for FM DXers; during my conversation with Alan Roycroft, he mentioned that it should be possible to pick up some FM signals from Hawaii during summer periods. One station has it's main lobe in the direction of NZ. The aerial polarization is not important, but he suggests the horizontal should prove the best. So, if you're up Northland way this summer, you might be lucky on FM!

For other DXers with limited space for SW aerials, I took the dimensions of Norm Maguire's whip antenna - the whip itself is 59 inches long, and the coil diameter $1\frac{1}{2}$ ". Although the windings are for the ham bands, a few changes might work to your benefit: 10m coil - 9 turns, 8 per inch; 15m coil - 15 turns, 7 per inch; 20m coil - 18 turns, 16 per inch; 40m coil - 32 turns, 32 per inch."

VHF FM STEREO BROADCASTS - THE ADVANTAGES (continued from page 7)

with the wider audible frequency range, in the interests of more natural reproduction.

+STEREOPHONIC transmission makes it possible for the receiving equipment to reproduce the spatial distribution of the original sounds as heard by an ideally located listener at the source. The sounds are reproduced in the home from two loudspeakers, one on the left, and one on the right, in front of the listener. Correct stereophonic sound is more than just a left sound and a right sound. Multiple sound 'images' are distributed over the whole space between the two loudspeakers, an illusion which again adds to the objective of more natural reproduction.

Shortwave Mailbag with JOHN ALLCHIN of AUCKLAND

9

As we enter 1978, let's hope we can look forward to another successful year's DXing and that our efforts are equally rewarded with a good return of QSLs. A rather small Mailbag this month, highlights this month include replies from SODRE Uruguay, Malawi, Djibouti, another from Yaounde and Paul Ormandy reports two veries from Radio Voice of Revolutionary Ethiopia. Now at look at what QSLs have turned up over the past month:-

PAUL EDWARDS Wellington is first up with replies from Malawi 3380, RA 9580, 11810, Kenya 4804, DW Montserrat 9590, AFAN 6012 and NBC Benin City 4932. A great selection there Paul.

ARTHUR KINDELL Levin has sent a couple out and has been rewarded with DW Antigua 5960, DW Montserrat 9590 and Malawi 3380. Thanks.

IAN CATERMOLE Blenheim has his usual large list with QSLs from Veritas 11955, RNZ 11820, 17710, 15380, RFI 21580, WINB 15270, Vatican 15120, 21485, TWR Bonaire 11800, SBC 15430, 17830, 21520, RNE 9600, 7105, 11740, Peking 9470, VOA Colombo 11740, RCI 11865, 11780, 15325, VOA 15250, 21610, VOFC 17890, P&P 9605, 21575, RA 11810, 11840, DW 15185, 15275, 17715, DW Antigua 9690, Turkey 7175, DW Malta 7285, DW Montserrat 9735, 11810, Cuba 9525, Lisbon 11840, RSA 21535, Kabul 15365 and FEBC 11850. 33 reports are out.

JOHN MAINLAND Wellington advises veries in from Tehran 11735, Caracas 15400, WYFR 9715, RAI 15385, Helsinki 21490, 21495 and good one from Djibouti 4780.

BILL JOLLY Kawerau has sent 11 away and has had success with Praha 9540, 4990, Sweden 17845, RNE 11755, RA 21570, RSA 21535 and Sofia 9707. Is that last one 9700 Bill ?

MASAMI ONIZAWA Japan has QSLs from Paraguay 9735 with stamps, HCJB 15375, Yaounde 4972, 2 from Praha 21700, SBC 15430, WYFR 15130 and Radio Rologio Federal 4905. HCJB also sent a calender. Always good to hear from you Masami.

PAUL ORMANDY Oamaru has logged 36 including 22 on 13 metres and has veries in from REBA 11865 (ppc), RSA 9585, 7270, Mauritania 4845, voice of Rev. Ethiopia 6015, 9610, Swazi Radio 4980, Jordan 11920, Gaucha 11915 and Finland 15270, 21490. There may be hope for my report to Addis Ababa after all !

MORE MAILBAG & B.O.M RESULTS - PAGE 14

BRYAN CLARK Wellington has QSLs in from RA Shepparton 21455, RSA 4990, Helsinki 21490, Chita 21515, AWR Sri Lanka 15425, 9720 (logged during AWR's contest week) and SODRE Uruguay for country 180. Great ! 7 reports are out too.

DENE LYNNEBERG Titahi Bay has sent five out and has just one in from RNZ 17710.

ARTHUR CUSHEN Invercargill has verified Swazi 3223, WYFR 11705, Finland 21490, Moscow 21600, Paris 15300, Vilnius 15180, RSA 15155, Finland 21495 and RN Malagasy 7285, 15385. Thanks Arthur.

GAVIN WATERS Wellington has 17 reports in the mail and has QSLs in from Peking 15060, Finland 21490, Sweden 17845, RN Bonaire 9770 and Athens 11730. Great to see the FRG-7 bringing success and congrats with the three new countries. Tx for best wishes and all the best with the new aerial - what type ?

PHILIP HAMLIN Tauranga has 19 reports away and has heard from Portugal 11935, RN 9715 and BBC Malaysia 11760. Have been waiting 8 months for a reply from AIR - their reply rate is very irregular at present so give them 6 to 7 mths.

JACK SEARLE Haumoana has sent just 7 away with replies to hand from NHK 17825, Helsinki 21495 and WINB 15270. Jack has also received a 200 page hard cover book from Roumania entitled " History of Bucharest ". Very interesting Jack !

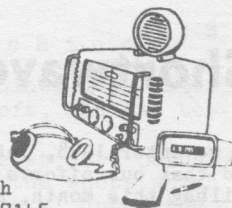
JOHN ALLCHIN Auckland is busy sending 22 out but is still awaiting replies.

STUART FORSYTH Auckland advises 12 reports out & QSLs from RNE 11880 and NHK 15105. Just caught us!

BRENT ALLRED Motueka has veries in from RBI 6040, Praha 7345, IBA 12045 & RA 15240. 1 report out. A holiday break Brent?

SHORTWAVE BANDWATCH

Coordinated by JOHN ALLCHIN



In Bandwatch this month, several members report reception of the Cameroons on 4850 kHz and 9745 kHz. Other highlights this month include Nicaragua on 5920 kHz, an EE broadcast heard from Laos on 7145 kHz, reception of Tanzania, Congo, Denmark and Guinea in the 19 metre band and Mebo II in Libya makes a reappearance on 6206m. Judging by Bandwatch contributions this month, there continues to be an increase in activity on the higher frequencies with many countries appearing in the 13 metre band fading in around 07:00 G.M.T. with a peak around 11:00 G.M.T. especially from Europe and the Middle East.

TIMES IN G.M.T. (Add 13 hrs for N.Z. Daylight Time) FREQUENCIES IN KILOHERTZ

<u>FREQ</u>	<u>TIME</u>	<u>COUNTRY</u>	<u>STATION</u>	<u>PROGRAMME & RECEPTION DETAILS</u>	<u>INITI</u>
3240	1700	PAKISTAN	quatta	with a bulletin of English news till 1707.	AC
3425	1455	NEPAL		News in English.	AK
4650	1231	LAOS	Vientiane	fair with news in Laotian. Heard past 1400.	PO
4845	0635	MAURITANIA	Nouakchott	fair in AA 10/12.	JS

4850	0600	CAMEROON	Radio Cameroon Yaounde	fair signal but fairly good overall in FF with interval signal and ID. 0609 into EE news and at 0630 FF ID's and interval signal again 19/12. Not audible on 9745 kHz, although suspect may have been back on 9745 21/12 as not heard this day on 4850, but 9745 swamped by 500 kw Iraq. <u>DL</u> . Sign on with Interval Signal. News in FF then EE news 0610. Many ads including one for Fanta. Very good 19/12. <u>PE</u> .	
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4870	0620	BENIN	Cotonou	fair to good with FF news 10/12.	JS
4915	0615	GHANA	Accra	with EE talk 26/12. Unusual for mid-summer. Benin 4870, Ghana 4980, Chad 4904 and Garoua 5010 all fair.	BC
4980	0622	VENEZUELA	Ecos del Torbes	excellent Xmas Day with full ident of three outlets in EE at 0640 - YVOC 4980, YVOD 780 MW and YVTX. " Muchos Feliz Navidad ".	JS
5022	1515	SINGAPORE	Radio Singapore	good in EE.	BH
5095*	1128	COLOMBIA	Radio Sutatenza	with music and idents at fair level.	MO
5900	0500	ISRAEL	IBA Jerusalem	with news and comment in EE at good level.	<u>BJ</u>

5920	0724	NICARAGUA	Radiodifusora Nacional de Nicaragua	good with music prgm & frequent SS idents. Utilities dominant by 0810. <u>BC</u> . At 0630 with SS talk and ID. Music noted to tune out 0800 16/12. <u>JM</u> .	
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6055	0630	CZECHOSLOVAKIA	Radio Praha	with Interval Signal and ID in many languages and then into a prgm of popular music. Excellent strength.	JA
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6206m	1847	LIBYA	Mebo II	noted back on air, with theme music and ID 1900 26/12. Faded out by 1915.	BC
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7115	0430	BULGARIA	Radio Sofia	in EE to North America at a good level with news and comment.	BH
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7120	0450	KUWAIT	Radio Kuwait	with AA service. Fair on New Frequency //11940 4/12JM	
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7145	1330	LAOS	Vientiane	with EE news broadcast after FF programme.	<u>PO</u>
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7215*	1305	BRUNEI	Radio Brunei	with programme ' Highlight ' at fair strength.	MO
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7225	1900	ROUMANIA	Radio Bucharest	excellent in SS.	JS
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7270	0428	SOUTH AFRICA	Radio RSA	sign on in Lozi poor //9585 very poor 19/12.	<u>PE</u>
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<u>FREQ</u>	<u>TIME</u>	<u>COUNTRY</u>	<u>STATION</u>	<u>PROGRAMME & RECEPTION DETAILS</u>	<u>INITIALS</u>
7412	0500	ISRAEL	IBA	Jerusalem good in EE with news and comment.	<u>BJ</u>
9009	2000	ISRAEL	IBA	Jerusalem at good level in EE.	<u>JS</u>
9022	1930	IRAN	Voice of Iran	fair to good in EE with news and comment.	<u>BH</u>
9420	2000	NORTH KOREA	Radio Pyongyang	in EE at strong level with political cmt.	<u>BH</u>
9425	2000	ISRAEL	IBA	Jerusalem in EE to Europe and Africa with strong jamming // 9009.	<u>BH</u>
9505	2030	SPAIN	RNE	Voice of Spain sign on in EE to Europe. Noisy.	<u>KJ</u>
9570	0441	QATAR	Doha	very good with Koran and music programme.	<u>PO</u>
9620	0540	EGYPT	Cairo	General programme in AA fair. New frequency //9455 19/12	<u>JM</u>
9640	1130	SOUTH KOREA	KBS	Radio Korea good in EE with political talks and music	<u>BH</u>
9645	0416	ECUADOR	HCJB	quito strong //11830 in Roumanian. Into RR 0430.	<u>PO</u>
9650	0610	KUWAIT	Radio Kuwait	good in EE with talk re Mohammed. BC. EE service fair to poor with news 0530 5/12.	<u>JM</u>
9655	1400	PHILIPPINES	Radio Veritas	good with EE to Asia. News 1430.	<u>BH</u>
9685	2100	SWITZERLAND	SBC	with English broadcast to 2130. Co-channel QRM from Moscow.	<u>AC</u>
9700	0947	USA	AFRTS	Dixon fair with EE prgm though some QRM.	<u>JA</u>
9735	0949	WEST GERMANY	Werthachatal	DW signing off in GG at fair to good level.	<u>JA</u>
9745	0555	IRAQ	500 kw from Babel	at excellent level in Arabic. 0600 Time pips ID, and then news in Arabic.	<u>DL</u>
9745	0610	CAMEROON	Yaounde	very good after USSR sign off. FF News 0602, EE at 0610 6/12. Iraq returned to frequency around 14/12 to obliterate. EE news to 0620 but now covered by Baghdad. AC. Radio Cameroon with EE news till 0620. Then FF to tune out 0632. Fair 5/12.	<u>BC</u> <u>JM</u>
9750*	0830	MALAYSIA	Voice of Malaysia	poor with music and comment. (language? ed)	<u>MO</u>
9770	0545	EGYPT	Cairo	with Arabic prgm. Voice of the Arabs. Fair on this new frequency 19/12 //9850.	<u>JM</u>
9780	0800	USSR	Radio Moscow	poor in EE to Australia/NZ. QRM RN on 9770.	<u>PH</u>
11690	0900	USSR	Radio Moscow	fair to poor in EE with news and mailbag.	<u>BJ</u>
11700	2143	LIBYA	Tripoli	with mostly talk prgm fair until sign off 2200. News in Arabic followed by ethnic music.	<u>PO</u> 1812 <u>AK</u>
11704	0343	CHILE	La Voz de Chile Libre	in SS at VG level //9565 15130.	<u>PO</u>
11730	2357	MALAGASY	Radio Nederland	in Indonesian till 0000, then Dutch until abrupt fade out 0006. In EE 2030 to Africa with QRM from RA 11725	<u>BH</u>
11735	2226	MALAGASY	Radio Nederland	in Indonesian and Dutch to 2300 tune out. Fair on this frequency ex 11730 9/12.	<u>JM</u>
11740	0800	SPAIN	RNE	Madrid opens in Spanish under Radio Australia.	<u>AC</u>
11770	1759	NIGERIA	Lagos	finally made it through Aden 11/12 with EE. World News 1830, Nigerian news 1900. Fair to tune out 1908.	<u>BC</u>
11770	1912	YEMEN	Aden	with AA news to 1915 then music prgm. Frequent IDs per WRTVH. good 17/11 past 1945.	<u>PE</u>
11780*	2128	BRAZIL	Brasilia ZYE 273	fair with programme to the Amazon area.	<u>MO</u>
11780	1946	USA	WYFR	Florida with EE religious prgm to 2051. fair level. Transmitter site announced 9/12. WYFR from Florida base with EE Gospel programme to 2050.	<u>AC</u>
11780	0500	FRANCE	RPI	Paris vg with Interval signal and full ID - beamed to Africa	<u>PH</u>
11792	0128	COLOMBIA	Radio Nacional	here on reactivated frequency past 0530 with Xmas carols.	<u>PO</u>
11835	1006	URUGUAY	Radio EL Espectador	poor in SS with news till blocked by Sri Lanka sign on 1030.	<u>BC</u>
11840	0343	SEYCHELLES	FEBE	in AA on new frequency. Farsi 11755 & EE 11800 same.	<u>PO</u>
11865	1936	CANADA	RCI	good in FF with country and western music.	<u>JS</u>
11870	1904	SRI LANKA	SLCB	test transmission requesting reports. Poor transmission in EE good to 1946 10/12.	<u>PH</u> <u>JM</u>
11875	0618	GREECE	VOA	Kavala in FF with variety show to Africa.	<u>JA</u>
11880	0254	SPAIN	RNE	Madrid with EE News to North America fair through QRM.	<u>JA</u>
11915	0617	ECUADOR	HCJB	in EE poor with prgm on Brazil //11900 at excellent level	<u>JA</u>
11925	0400	GREECE	VOA	Kavala fair in EE with news and music.	<u>BJ</u>

<u>FREQ</u>	<u>TIME</u>	<u>COUNTRY</u>	<u>STATION</u>	<u>PROGRAMME & RECEPTION DETAILS</u>	<u>INITS</u>
11935	2200	USA	Greenville VOA	heard closing at this time at poor level.	KJ
11940	0402	ROMANIA	Radio Bucharest	fair to North America with news & cmt in EE.	PH
11950	2145	SPAIN	RNE	opening in SS at poor level.	KJ
11955	1833	SWAZILAND	TWR Manzini	clear after BBC sign off but bad splash from RFE on 11960. Gospel prgms in PP.	BC
11955	2201	MALAYSIA	BBC WS	poor in EE.	KJ
11960	0503	ISRAEL	IBA Jerusalem	excellent in EE with news and editorial comment.	PH
15060	0105	CHINA	Radio Peking	poor to North America with news.	KJ
15105	2029	GRENADA	Radio Grenada	often here, poor but clear with music request prgm BC. Fair to good 12/12 with church service then pop music.	BH
15105	2200	JAPAN	NHK Radio Japan	good in EE during General Service.	KJ
15105	0030	MALTA	DW	with SS programme to Latin America. Fair ex 15390 10/12.	JM
15115	0925	GUAM	KTWR Agana	full ID then prgm 'Through the Bible'. Indonesian 1000 PH	PH
15120	1759	NIGERIA	Lagos	with drumbeats and EE s/on. Poor to fair but clear.	BC
15125	1920	INDIA	AIR	fair in EE.	JS
15130	1759	USA	WYFR Florida	with gospel music mxd RNZ. Local transmitter ID, off 1850BC	BC
15155	2250	SOUTH AFRICA	Radio RSA	fair-good in EE to North America.	DL
15160	1030	HUNGARY	Radio Budapest	signing on in EE to Aust/N.Z. at excellent levelJA	JA
15165	0856	DENMARK	Radio Denmark	Copenhagen opening with Interval Signal with Danish and EE ID " You are tuned to Radio Denmark, Shortwave Dept. Copenhagen Denmark ". Into Danish prgm 0900. Poor-fair with moderate QRN. JA	JA
15190	2210	CONGO	Brazzaville	good in FF with indigenous music prgm, later spoken prgm and EE pops. Heard 9/12 to s/off 0103. Best ever signal on this frequency. Heard previous Sat. with EE news 2130 but soon faded. Reception via lower Indian Ocean path over to Africa. DL. Fair 2258 MO*.	DL
15195	1007	FRANCE	RFI Paris	here mixed NHK with continous music. Good strength. JA	JA
15205	1018	INDIA	AIR	very good in EE with music prgm //15250 also very good. JA	JA
15215	0700	AUSTRALIA	Radio Australia	good on unlisted freq. with cricket contry. JS	JS
15220	2048	MALAGASY	Radio Nederland	fair in EE thru QRN with local transmitter ID given as Antananarivo, Madagascar. JA	JA
15273 1/2	0130	URUGUAY	SODRE Montevideo	strong with music w/SS/EE IDs 0258. S/off 0300PO	PO
15308m	1900	GUINEA	Conakry	fairly regular here after HCJB s/off with drums and full ID 1900 1/2. Audible well past 2100. Reactivated frequency. BC.	BC
15320*	2326	NETHERLAND	ANTILLES RN	Bonaire poor with 'Happy Station in SS'. MO	MO
15325	1905	CANADA	RCI	good in EE with prgm about Xmas in Canada. 15/12. PH	PH
15345	1200	ROMANIA	Radio Bucharest	poor in EE to Asia //17785. BH	BH
15365	1200	AFGHANISTAN	Kabul	here with Dari commentary on Soccer match 27/12. PO	PO
15405	1900	ECUADOR	HCJB Quito	in SS to Europe. AC	AC
15420	2054	ANTIGUA	BBC	with prgm 'A Jolly Good Show' in EE to South America. JA	JA
15435	1800	TANZANIA	Dar es Salaam	fair with EE news but splash AFRTS 15430. Not regular. BC.	BC
15450	2307	PHILIPPINES	FEBC	fair in EE. Unlisted frequency. JS	JS
15517	0512	ISRAEL	IBA Jerusalem	with news in EE at good level. FF 0515. JS	JS
15870	0840	AUSTRALIA	Radio Australia	in EE with SSB transmission. BJ	BJ
17695	0932	GREAT BRITAIN	BBC WS	good with quiz show. KJ	KJ
17705	1430	CZECHOSLOVAKIA	Radio Praha	good to Asia and Pacific in EE. BH	BH
17715	0943	WEST GERMANY	very good in EE to Aust/NZ with 'Panorama'. S/off 1030. KJ	KJ	
17712	2100	CHILE	Santiago	EE news bulletin but sideband interference. AC	AC
17810	2034	NETHERLAND	ANTILLES	good in EE //21640 very good. Prgm beamed to AfricaJA	JA
17815	0830	AUSTRIA	ORF	very good in EE //15105 & 15410. PO	PO
17825	0300	JAPAN	NHK Radio Japan	excellent closing in SS. JS	JS
17840	2228	USA	VOA Delano	interval signal. EE ID then into Indonesian 2230, good KJ	KJ
17880	0600	JAPAN	NHK Radio Japan	good in EE with news. KJ. 0500 fair w/news. PH	PH

<u>FREQ</u>	<u>TIME</u>	<u>COUNTRY</u>	<u>STATION</u>	<u>PROGRAMME & RECEPTION DETAILS</u>	<u>INITIALS</u>
17890	2240	TAIWAN	Voice of Free China	s/off 2240 after prgm to North America.	KJ
17920	1250	EGYPT	Radio Cairo	with EE to Asia with 'AA by Radio'. Strong level.	JA
21455	0038	AUSTRALIA	Radio Australia	Shepparton good in EE with Xmas celebration.	BJ
21485	1115	VATICAN	in EE at very good strength	to Afica till sign off 1128.	JA
21500	1201	ISRAEL	IBA Jerusalem	very good in EE news, comment and local advts.	JA
21515	2100	PHILIPPINES	FEBC	s/on 2100 poor //11890. KJ. 0245 strong in EE 2kw!	PO
21525	1030	HUNGARY	Radio Budapest	poor to Asia in EE //15160. BH. 1040 fair.	PO
21535	1115	SOUTH AFRICA	Radio RSA	with EE prgm to C&E Africa vg 29/11. 1056 strong	PO JA
21560	0900	WEST GERMANY	DW Julich	good in GG after ID. 0700 strong //9735.	KJ PO
21580	0915	FRANCE	RFI Paris	opened in FF 0915 //21730 good. KJ. 1100 very strong.	PO
21660	1105	CYPRUS	BBC Limassol	very good in EE. JA. World Service 0900 100kw.	PO
21690	1110	SWEDEN	Radio Sweden	good in EE with slight het. JA. Strong 1100 in EE.	PO
21700	0730	CZECHOSLOVAKIA	Radio Praha	poor in EE with comment. BJ. 0830 Good.	PO
21710	1105	GREAT BRITAIN	BBC WS	fair in EE //21660. JA. Strong from Rampishan.	PO

13 METRE BAND SURVEY from PAUL ORMANDY in Oamaru. (Thanks for your efforts Paul - JA)

21455	0800	WEST GERMANY	Radio Liberty	strong at s/on in RR but soon jammed.	PO
21460	1000	BELGIUM	ORU Brussels	good with FF service.	PO
21465	1130	EGYPT	Radio Cairo	sign on in AA at good level.	PO
21470	1130	GREAT BRITAIN	BBC World Service	strong in English.	PO
21475	0800	BELGIUM	ORU Brussels	with Dutch service at fair level.	PO
21480	0830	MALAGASY	Radio Nederland	strong in Indonesian //17810	PO
21485	1120	VATICAN	Vatican Radio	strong in EE with Xmas programme.	PO
21485	2100	USA	VOA Bethany	strong in EE.	PO
21490	0900	USSR	Tula	100kw with Home Service programme.	PO
21500	1100	WEST GERMANY	Deutsche Welle	strong in EE to Africa.	PO
21500	0535	ISRAEL	IBA Jerusalem	with RR Saturdays and Sundays only.	PO
21505	0900	USSR	Dushanbe	240 kw with Home Service in RR and later in EE 1000.	PO
21515	0900	USSR	Chita/simferopol	240 kw Home Service in RR. English at 1000.	PO
21520	0730	SWITZERLAND	SBC Berne	strong in Italian. 0900 English.	PO
21530	0900	USSR	Armavir	120 kw Home Service in RR.	PO
21540	0930	RWANDA	Deutsche Welle	good at sign on with transmitter ident in FF and then into EE programme.	PO
21555	1000	SWEDEN	Radio Sweden	100kw USB from Varberg at strong level.	PO
21575	1000	USSR	Radio Moscow	100kw in EE.	PO
21590	1100	PAKISTAN	Radio Pakistan	in Burmese 1200 to 0230 and Urdu past 0730.	PO
21590	1200	SAUDI ARABIA	Riyadh	strong in AA also heard at 0900 mixed USSR.	PO
21605	0830	KUWAIT	Radio Kuwait	with AA Home Service.	PO
21620	0900	FRANCE	RFI	strong in FF.	PO
21635	0900	USSR	Kaliningrad	240 kw with RR Home Service.	PO
21640	1118	GREAT BRITAIN	BBC Daventry	100 kw feed to relay base.	PO
21650	0700	WEST GERMANY	Deutsche Welle	strong in Bengali.	PO
21665	0900	WEST GERMANY	?? RFE	with "Morning Music" and multi lingual ident.	PO
21675	1100	FRANCE	RFI Paris	strong in FF.	PO
21685	1000	KUWAIT	Radio Kuwait	strong in AA.	PO
21690	0900	ITALY	RAI	strong in Italian to Australia and New Zealand.	PO
21700	1100	PORTUGAL	Radio difusao Portuguesa	strong in PP.	PO
21720	0900	WEST GERMANY	RFE	strong in RR though transmission jammed.	PO
21730	1100	NORWAY	Radio Norway	with prgm in Norwegian then EE at 1130.	PO
21730	0930	USSR	Radio Moscow	in Indonesian then into EE at 1000.	PO
21730	0645	PAKISTAN	Radio Pakistan	strong in Urdu.	PO
21730	1000	FRANCE	RFI Paris	strong in FF.	PO
21745	0800	PORTUGAL	Lisbon	50kw ?? Radio Liberty strong in RR but heavy jamming.	PO
21735	1100	PORTUGAL	Radiodifusao Portuguesa	strong with music programme.	PO

EXTRAS: Further the 6206 report on Mebo II, pops were well heard 1738 past 1805 GMT 6/1 with following ident 1800: "You are tuned to a programme of international music on VHF FM 90MHz. We present the test transmission every evening between 18 and 2300 hours." The usual RNI theme music is heard. Still no QSLs reported from them! EC A weak station in RR with a music prgm hrd on 25075 at 0640 GMT 10/12. Possibly a point-to-point or harmonic? JS

DL Dene Lynneberg BC Bryan Clark JM John Mainland MO Masami Onizawa from
 PO Paul Ormandy PE Paul Edwards AC Arthur Cushen Japan
 AK Arthur Kindell JS Jack Searle PH Philip Hamlin KJ Kevin Jensen - new
 BH Bill Huddleston JA John Allchin BJ Bill Jolly contributor. Welcome!
 Thanks to these regular contributors. Have we heard from you lately?

SW MAILBAG Topsy-turvey mail services after Xmas resulted in these member contributions reaching us after the dispatch of the section to Auckland:

BILL HUDDLESTON Auckland has sent out 72 reports and QSL'd RAI 6010, Madrid 7155, Maldives 4740, DW Antigua 5960, RA Carnarvon 15410, SEC 9560, Finland 21490, VOA Liberia 17860, ORF 17710, VOG 17830, Portugal 9740, Sri Lanka 11955, RN Madagascar 15220, Moscow 15130, RN Bonaire 9770, RSA 9585, WYFR 6155, Peking 17635. Maldives a very good one Bill! Kind regards. BC

PAUL RAWDON Eastbourne has some good veries - AFAN 6012, RNE 9505, Norway 21730, SR Radio Swaziland 3223, HCJB 17865, SEC 9560, DW Montserrat 9590, IBA 9425, P&P 21570, WINB 15270. 8 reports away. Ta for phone call. BC

CECIL SYMMES Wellington advises QSLs from Finland 21495, DW Antigua 9740, FEBA Seychelles 11840 & RA Shepparton 9600, 15205, RA Carnarvon 17745, 21570. Cecil's FEBA verie consisted of his own self-addressed card with time & frequency, returned signed by Liz Scott, Audience Relations QSL Secty, together with FEBA's no-detail acknowledgement card. All in 24 days for 2 IRCs & registered report. Sorry yr Bandwatch held over for next time Cecil. Keep those countries coming!

SPECIAL STOP PRESS

A very interesting DX prospect, albeit possibly outside the normal sphere of DX covered in the Times is reported by **David Ricquish**:

The RNZAF will be operating on 1295kHz medium wave from Pitcairn Island in the South Pacific Ocean from 14 to 18 January, using 50w maximum carrier on double sideband to give an output equivalent to 3kw AM. It is understood the station will carry general traffic throughout the South Pacific. This sounds almost certainly like a utility transmission and it is therefore advisable not to record actual text heard but rather the general format or stations being called. Suggest reports to the Communications Officer, RNZAF, Wigram.

BEST OF THE MONTH

Under 9mHz: Paul Edwards
 Kenya 4804kHz 5kw 121 points

Over 9mHz: Bill Jolly
 RSA 21535kHz 250kw 108 points

RADIO FREE EUROPE/RADIO LIBERTY

Transmitter site info effective to 5 March 1978: B=Biblis Germany, G=Gloria Portugal, H=Holzkirchen, Germany, L=Lampertheim, Germany, P=Playa de Pals, Spain. Firstly Radio Liberty channels: 3960 B-H, 5955 B-L, 5985 B, 6010 B, 6070 B, 6105 L, 6115 B, 6170 B-L, 7155 L-P, 7165 G, 7180 B, 7190 L, 7220 L, 7245 H-L-P, 7250 L, 7295 B-L-P, 9505 B 9520 B-L, 9540 L, 9555 B-L, 9625 P, 9660 P, 9680 P, 9705 B, 9715 B-P, 9750 9770 H, 11840 B, 11875 H-L, 11885 L, 11895 B-L-P, 11945 P, 11970 G-H-L-P, 15130 P, 15170 G, 15255 G, 15290 B-L, 15340 P, 15370 H-L, 15380 L, 15445 L, 17725 B-G-H, 17735 P, 17750 G-H, 17760 L, 17835 G, 17845 B, 17895 L, 21455 G. Radio Free Europe: 719 H, 3970 H, 3990 B, 5970 B-G, 5985 B-G, 6070 B, 6105 B-G, 6115 B-G-H, 6135 G-H, 7115 B-G, 7145 H-G, 7165 H-G, 7190 B-G, 7200 H-G 7215 G, 7255 B-G, 9505 G, 9565 G-H, 9595 B-G, 9695 G, 9705 B-G, 9725 G, 11725 G, 11815 B-G, 11825 G-H, 11855 G 11895 G, 11970 G, 15115 G, 15145 G, 15170 G, 15215 G, 15255 G, 15355 G, 17225 G, 17735 G, 17770 G, 17805 G, 17835 G, 17865 G, 21665 G, 21720 G and 21745 G. via BC

RADIO JAPAN's current sked to 4 March includes EE to Aust/Nz 0930-1030 GMT on 15235 & 11875; EE to S.E. Asia 1115-1145 on 11875, 9675. The General Service sked - 0000-0430 on 15105, 30 min tx beginning each hour, first 15mins in EE; 0500-0730 on 9505, EE as above; 0800-1830 on 5990, 15 mins EE on the hour as above, except at 1400 when there is 30mins EE & 30mins JJ; 1900-2130 on 9505, EE on the hour; 2200-2400 15105kHz 15mins EE on the hour, except at 2300 when 30mins EE carried, then 30 mins JJ. All 15mins EE are followed by 15mins JJ. **Stuart Forsyth**

ARTHUR CUSHEN'S SHORTWAVE REVIEW

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During the past month the new External Service of Radio Cameroon and the new 100kW transmitters of WYFR in Florida have been heard. Paris advises that they are now using 12 transmitters of 100kW and eight of 500kW for their External Services. Details in this review were first broadcast on Radio New Zealand on January 1 at 0915GMT the start of the 18th year of a DX session on Radio New Zealand. All times are GMT, 13 hours behind NZDT and all frequencies in kHz.

Cameroon: Yaoude heard in English 0610-0620 on 9745kHz in late November had French at 0600 and then popular music after 0620 blocked by HCJB at 0700, but in the last few days Baghdad is using the frequency and has prevented further reception. Signals have also been noted at 2030, when mixed with Radio Moscow and a full identification given at 2100GMT.

Chile: Santiago the Voice of Free Chile heard on the new frequency of 17772kHz with English at 2100 with sideband from VOA on 17710kHz.

Colombia: Radio Nacional Bogota 11792kHz heard with music 0330 and full identification at this time also on 9655 at 0300 but later blocked by jamming according to Dene Lynnberg in New Zealand DA Times.

Cuba: Havana broadcasts in English 2010-2140 on 17885kHz: 2050-2140 on 11860 and 17750; 0100-0450 on 9685; 0100-0600 11725; 0300-0600 11760 and 0630-0800 9525kHz.

Czechoslovakia: Prague in English to Australia and New Zealand 0730-0800 on 11855, 15395 and 21700kHz on Saturday and Sunday 0900-0930 on same frequencies.

Ecuador: HCJB heard at 1900 in Spanish, and Swedish at 2100 on 15405kHz this frequency replaces 15435kHz.

Finland: Helsinki heard well in English 0930-0955 on Sunday on 9550, as well as 11755 and 15270kHz.

France: Paris broadcasting in English to Africa 1700-1800GMT is now using 9605, 11705, 11860, 11890, 11930, 11965, 15210, 15360, and 15425kHz. Now using 12 100kW and 8 500kW transmitters.

Iraq: Baghdad has returned to 9745kHz for the Arabic transmission 0230 onwards and at 0400 clock chimes 7 then news in Arabic.

Madagascar: Radio Nederland heard on 15385, 1830-1920 in English, but mixed with Rome. Frequency replaced 15380kHz.

Spain: Madrid in Spanish to Australia 0800-1100 is now using 11740kHz replacing 11755, but is mixed with Radio Australia up to 0900GMT. Also using 9520 and 17750kHz.

Switzerland: Berne on 9700kHz heard in French to 0345 then in Italian, but mixed with the Voice of America from 0300GMT. On 9685kHz heard in English 2100-2130 but mixed with Moscow.

Tahiti: Continues to be heard on 15170kHz with English news at 1900GMT.

Thailand: Bangkok 9655 heard with English at 1100GMT with the same programme on 11905kHz with poor signals.

U.S.A.: WYFR operating from its new transmitter site at Okeechobee Florida has been heard on several frequencies. This is not the first shortwave transmission from Florida as in 1939 we verified W4XP which was relaying WIOD. The WYFR signal on 11780kHz closing at 2050GMT provides the best reception at the moment and reports are requested to Family Radio, Oakland, Calif. 94621. The schedule is 9630kHz 2050-2250GMT; 11780 1815-2050; 11885 2250-0500; 15110 1600-1650; 17730 1250-1600 Sunday only.

..sign off..

GLEN HAUSER's DX REPORT over Radio Canada International now has 2 editions on Sundays the 1st edition is aired at 1820 on 15260,17820; 1920 on 15325,11865,5995 (to Europe); 2150 on 17820,15325,15150,11945; 0120 on Mondays GMT on 11940,9535; 0320 Monday GMT on 9605,9535,6185,5960. Second edition is aired at 1920 (to Africa) on 15260 & 17820; 2020 on 17820,15325 11865 & 5995(Daventry); 0220 Monday GMT on 9535,6185; 0420 Monday GMT on 9535,5960kHz. via NASWA Update

PIRATE RADIO vessel Mi Amigo, home of Radio Caroline, is understood to be in an appalling condition. Listener donations are being sought towards funding of a new vessel, otherwise it may not be long before Caroline and Mi Amigo are gone for good. Galaxy, transmitter ship for Radio London is still moored in Hamburg harbour, but is not expected to sail again - there is about 4 feet of water in the hull. via Winston Lashley

MALAYSIA has purchased two 500kw transmitters from France. They will be used for broadcasts to Australia, Asia Middle East and Europe. Languages will include English, French, Arabic, Chinese & Vietnamese. The transmitters will be located at Kajang and are expected to be operational in 1979. Bernard Lee SCDXers

market square

DOWN UNDER DX SURVEY No.10 is now available! Highlights include a 4 1/2 page survey of Indonesian SW stations comprehensive reports on broadcasting in Vietnam and the Central Broadcasting System of Taiwan, plus the latest DX news from the Asian region. 3 IRCs will get you an airmailed copy to NZ. Write to the Down Under DX Circle, 7 Donald Road, Burwood, Victoria, Australia 3125.

QATAR plans to have a 250kw SW transmitter on the air shortly. They are also considering purchase of a new 250kw and new 100kw MW transmitter.

SWNS via NASWA Listeners Notebook

TRISTAN DA CUNHA Tristan Radio still uses only 40W but hopes to use their 1kw transmitter in the not too distant future. Schedule is 1900-2205 on Sun, Wed & Fri on 3290kHz. BBC & local nx is sked at 2000. Ginbey SCDX

NEW ZEALAND RADIO DX LEAGUE

ADMINISTRATIVE OFFICE

P.O. Box 1313, Invercargill

All matters re membership, policy matters, stationery requirements, subscriptions & competition awards, should be addressed to Invercargill.

EDITORIAL OFFICE

P.O. Box 2956, Wellington

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

Closing date for contributions is usually 5pm on first Monday of the month. Advertising: 50 cents for up to 30 words. Other rates on request.

ANNUAL SUBSCRIPTION: NZ\$5.00

Joining fee surcharge of \$1.00 for new members only. Overseas rates available from Invercargill.

RADIO CLARIN Dominican Republic resumed its EE programmes on 11700kHz on 7/11. English for Europe is broadcast at 2130-2200 and for North America 2300-2400. The station has been off the air due to transmitter and antenna being damaged by a lightning strike. Power has been 30kw but it is intended to increase to 50kw as soon as possible. It is also intended to make these broadcasts a permanent feature on the SW bands and host Rudy Espinal seeks to emulate the success of Radio Nederland on SW. via Glen Hauser NASWA

PERUVIAN NEWS from the Aconcagua DX Club of Argentina: Radio San Juan OAZ4R has been noted at 1015 GMT on 4890 rather than listed 4940. OBX7H Ondas del Titicaca at Puno has been heard to s/ off 0320 GMT on 4920kHz. The station appears to have been inactive for some years.

SWAZILAND Commercial Radio reorganised services 28/11 and now transmits on 3223 0200-0400, 4980 0400-0600 & 1730-closedown, 6155 0600-1830. MW 1376 is sked 0200-0400 and 1500-closedown.

Radio SR is on in EE 0200-0500, 1530-1730 weekdays, 0400-0800 & 1600-2200 Saturdays, 0600-0800 & 1600-1900 Sun. Radio Truro is in EE, with Indian languages at weekends - 1100-1530 weekdays Sat 0400-1600, Sun 0800-1100, 1400-1600. Radio Paralelo 27 in PP weekdays 0500-0700 & 1730-1830, Sat/Sun 1100-1400. A religious prgm is aired weekdays 1830-2030 and an EE Jewish prgm Sun at 1900-2000. Ginbey SCDX