



# NEW ZEALAND DX TIMES

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

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### Cook Islands



## BROADCASTING AND NEWSPAPER CORPORATION

A highlight of Convention 76 was reception of a special broadcast prepared by League member Tony King and aired by Radio Cook Islands at 0800 GMT on Friday 6 February. We thank the station management and especially Mr Nooroa Tangaroa, for their fine cooperation. Unfortunately there was insufficient time for widespread publicity but all branches were advised of the Special.

An unexpected bonus came after the special broadcast when it was announced that relays of Radio New Zealand's External Service were being carried on 3265kHz in the 90 metre band and reception was at fair level till 0900 GMT.

We have just learnt that ZK6, 3265kHz with 500 watts is being used for tropical broadcasting trials between 1930 and 0730 GMT, relaying Radio NZ. A wideband vertical monopole antenna is being utilised and the trials are two-fold: (a) to determine ground wave coverage, and (b) to gain experience in relay broadcasting for outer island service. Reports from NZ are sought to determine the skywave coverage.

As noted above, the tests have been noted till 0900. Reception reports should be addressed to P.O.Box 98, Rarotonga, Cook Islands. A 20 cent NZ postal note (redeemable in Rarotonga) should be included for return post.

LEAGUE MEMBERSHIP continues to grow steadily, with subscribing members now 367, up 20% on February 1975. With 14 DX Club exchanges, that makes Times circulation this month - 375. 76 magazines go overseas, 68 by airmail, accounting for 20% of membership. Thank you all for your continued support!

SUMMER TIME in New Zealand concludes early on Sunday 7 March, although for some of us the summer hasn't yet started, hi!

RADIO LORD HOWE ISLAND, Lord Howe Island, NSW 2898 is a new community radio station, operating with 12 watts on 1490kHz. Reception reports wanted. May be possible considering how well Norfolk Island is sometimes heard.(via RA)

CLOSING DATE FOR NEXT ISSUE: MONDAY 1 MARCH. DETAILS OF YOUR DX, QSL's & BEST-OF-THE-MONTH ENTRIES TO BOX 2956, WELLINGTON, NEW ZEALAND.

## FROM THE BRANCHES

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**SOUTHLAND** The January meeting was held at Paul Aronsens with 14 present. Details were finalised for a barbeque on 21 February, a DX meeting at Tiwai on 23 February, and a weekend listening at Riverton Rocks on 6-7 March. It was decided to investigate the possibilities of a display during the winter Festival of Arts. Competition Results: ECB Ray Crawford & Arthur Williams KVET 1300 1kw; Arthur Cushen Voice of Peace 1540; Arthur Williams Radio Paradise. SW Over 9: Wyn Machon RSA 17780. Under 9: Bruce Cavanagh VOA Munich 3980 8kw.

**CANTERBURY** The January meeting was held at David Ricquish's on the 17th with 8 members present. The next meeting will be at Austin Hadlers on 21 February. Competitions: ECB all categories to David Ricquish with CHAB 800 10kw, JOUB 770 and 3ZZ 1220. SW Over 9: Peter Mott RSA 17780; Under 9 to Austin Hadler and Sofia, Bulgaria 6070.

**WELLINGTON** The next meeting will be held at Bryan Clark's, 47 Upper Watt St., Wadestown on Sunday 29 February at 2.30pm.

## FROM HEADQUARTERS

**INCREASED SUBSCRIPTION RATES** are effective immediately. The annual rate for NZ is now \$5.00 (Family subscription \$7). A joining fee of \$1 still applies. Overseas rates to be advised.

'**DXING MADE EASY**', the booklet distributed to all new members has been re-printed. These will in future be sent out in the New Members Kit prepared by Magon in Wellington. Any other member seeking a copy should send \$1 to Adcom at P.O.Box 1313, Invercargill.

**STATIONERY** The new metric sized stationery items - aerogramme report forms at 50 for 85 cents, aerogramme letterheads at 50 for 85 cents, and standard letterheads at 50 for 55 cents are now in stock. Note the new prices for the aerogramme stationery. Orders to the Stationery Secretary at Box 1313, Invercargill.

**Postage Hike.** Substantial postage increases took effect on 2 February. Summarising the rates of most concern to the DXer -

### AIRMAIL

Zone A: Australia and South Pacific

Letter(per 1/2oz) 15 cents

Aerogramme 10 cents

Zone B: Asia and North America

25 cents

16 cents

Zone C: Europe, South America and Africa

30 cents

18 cents

### SURFACE

To Australia, most of Asia and Pacific (AOPU members): Letters 9c up to 1 oz. Postcards 8 cents.

To other countries: Letters 14c up to 1 oz. Postcards 10 cents.

IRCS now 36 cents each!

REGISTRATION FEE - 30 cents.



# RADIO NEDERLAND

THE DUTCH WORLD BROADCASTING SYSTEM P.O. BOX 222 HILVERSUM HOLLAND

Commencing on Thursday 4 March, a new technical course will be aired in DX Jukebox. Taking up where the previous DX receiver course left off, the TRANSISTOR COURSE consists of 12 lessons in all. They will be broadcast over a period of 24 weeks, with every lesson being repeated in the week following.

As usual the course is available to Radio Nederland listeners free of charge. The course will be mailed out in sets of 4 lessons and students will automatically receive the next set of lessons when they mail the answers to the questions supplied, to Radio Nederlands DX Jukebox. ENROL - RIGHT NOW!

# BROADCAST DX

with Bryan Clark 3

Convention 76 was, from a mediumwave point of view, very successful. Rain throughout the weekend did not prevent reception of most of the regular North American stations: WBZ Boston Massachusetts and KTWO Casper Wyoming, both on 1030 were well heard and KCRG Cedar Rapids Iowa on 1600 was probably the pick of the lower powered stations heard. That was on Friday night, for on the Saturday night the Yanks were soon submerged in the early appearance of Japanese and Aussie signals. Sunday morning surprised with good reception of a wide range of European and Middle Eastern stations, and for the very early risers there were Asian's a'plenty. The greatest pleasure was, of course, to meet and chat with many of the regular contributors to this section!

RADIO U, operated by Canterbury University, will broadcast from Christchurch on 7250kHz with 98 watts output, from Monday 23 February to Saturday 6 March. This is a temporary licence similar to those granted to Auckland and Otago Universitys in the past. Hours of operation will be - Monday to Friday at 8.00am-9.00am, 12 noon-1.00pm and 5.00pm-7.00pm. Saturday & Sunday from noon -2.00pm. All times quoted are NZ Summer Time. Thanks Arthur Cushen for info!

Across the Tasman, 5AA, Adelaide's 4th commercial station is due on air during March on a frequency of 1390kHz, per info from Bill Vogel & John Allchin. Other details of this one in the December 1975 Times.

Radio Windy's change to 890kHz at 10am on Monday 26 January was a little earlier than we predicted last month, but we weren't the only ones who mis-calculated: Radio Windy had newspaper adverts on 28/1 announcing their move the following day! The frequency move has enhanced DX prospects here; 1020 through 1180kHz was plagued with 2ZM/2XW images etc, but is now all clear. Certainly Windy's hope to improve their coverage doesn't seem to have been completely successful, according to comments from members on reception of the new channel.

Southland Branch's Tiwai Listening Post continues to show it's excellence, but North Otago's site, high above Oamaru and overlooking the Pacific, is now in use. Philip Hope and Paul Ormandy have already spent a couple of nights at the dials, and there's every indication that the branch has a winner!

Latest from Alan Roycroft via David Ricquish is that KIPA 620 was going to 5kw in mid-January and KIOE (K-108) on 1080kHz returned to the air around that time. An application has been lodged for 5kw on 1600kHz in Honolulu.

A Bumper Mailbag beginning with...  
DENE LYNNEBERG Wellington has QSL'd KDKA, 8AL, JODD 1530, KELI, 4NA 920.

RAY CRAWFORD Invercargill logged at Tiwai: XERH, XEB, KMPS, KVET, Funafuti 580, XESS 1450, XETP 1360, HJTU 1360, Reloj 1300, Ecos del Combeima 1025, Windy 890. At home: 3EA, 4AM, JOJK, KLAC 570, DYDY 570, Port Moresby 1250. Veries from 2TR 760, KMPS, KVET. Good to see you at Convention Ray! Have you got the time, hi?

GAVIN BENNETT Invercargill, using a National 74 transistor & 40" loop has reported XEROK, WBAP, KOA, KRVN, WLS, CJVI, KJR, KOMO, KDKA, WBZ, XEPRS, CKWX, KSL, KEX, CFRN, KTOM (again), KP0I, KCEY. QSLs from 2YG, KFBK, KSL, CFRN, 4TO (23 mths), CJVI, XEPRS. See above re yr Hawaiian. My interpretation of League verification rule 10 (see DXing Made Easy) says you cant count 4ZA twice. Many thanks for notes!

ALEX WELLNER Sydney, NSW recently visited NZ and logged Suva 710 and 2LT. Fiji QSL back in only 10 days! All the best Alex.

LYALL MATHIESON Paeroa has verified 4YA, YC, ZB, YW, YQ, ZA, 1ZU, 3YW, ZA, YZ, ZC, 2YM, YX, ZN. Reports out to 2ZE, 4YZ, 2FC.

DES DAVEY reports improving conditions & reports out to Cook Islands 600, KGMB, Fiji 560, 640, 680, 810, 930 and 850(? are you sure re last frequency Des. Perhaps you mean 890 or Gilbert Is 844.Ed)

PETER MOTT Christchurch keeps the flag flying with a QSL from 4ZA.

LAURIE BOYER, Invercargill has logged 2XW 890, HJER, HJLK, CKFH, Kuwait 1130, Cook Is. 600, WSZD. Veries: Paradise, Suva 710, Noumea 2ZF, 3ZO, KMPS, Raki Raki 1470.

BRYAN CLARK Wellington logged at home - KCRG 1600. At Convention 76 - DWRF 1470, Hong Kong 545, Istanbul 1016, Albania 1214. QSLs KCRG, KDWN 720 (NZ 1st), WSM, WMAQ, 2CH 2HD, 4QS, 4BU, KMPS.

CHRIS MARTIN, Sydney - "Aussie's most active MW DXer, has QSLs in from CBK,6DL,2ZC,4MS,2KP,4YC,QY,2BY,YB and Gwalior 1390. Logged at home: KGO,4TO 4WP,QR,UH,KFRC. Reported at Convention: A3Z,KTWO,KORG,Paradise. Great to have you with us Chris! Again soon?

JOHN ALLOCHIN Auckland on a brief stay at Whangaroa logged: 1XA,XI,YK,ZB,YE,ZE,ZK,KEX,KORL,KDAY,CKLG,WVUV,A3Z. Reported from home: 2CR,SM,NX,GZ,ZH,LF,4GR(while 1YZ off),4GY,ZB,AK,5PA,KA,1ZA.QSLs back from CKLG,1XI,ZB,YK,YE,ZE,ZK,XX,2SM,CR,ZN,WL,GA,KM,ZM,3ZC,XA,GL,4WK,GR,5KA,7LA,A3Z. No doubt you'll be looking forward to next holiday. We ran "Equipment Review" of members receivers as a feature between July 1973 and March 1975. Plan to resume before too long.

IAN WELLS Milton now using a loop antenna, has logged 7LA,WVUV,Paradise 1265,5PI,AD,KHVH,KGMB,XERF,KDAY,KFBK,KXYZ,KPNW,KTRH,KOMA,KPOL,A3Z,XEPRS & KVOO. QSLs from 7LA,5PI,AD,KHVH,KTRH.

DAVID FELDON Rotorua has veries from CKLG,KEX,Rhema,KFBK,4YW,2ZB. Logs of 1ZT,KNEW,WVUV,KGMB,KFRC,2ZB. Thanks!

ARTHUR CUSHEN Invercargill has reported JOEF 920(12/1 with 3YZ off),Sabah 1475,KTWO. QSLs from 2CC 1210, Voice of Peace 1540,CJVB,Babylon 1038,JOIR,JOKK. Regards to you and Ralda.

PAUL EDWARDS Wellington on a DXpedition to Whakatane logged KSL,KFI,KTWO,WBAP,WLW,KING,KVOO,WBEM,KPOL,KDAY and XEPRS. At home - KNX,KIOE,WOAI,KXEL. QSLs from KORL,KSL(12 days),WLW,KPOL,WBEM(17 days,IRC returned) and Vladivostok 1250. Amongst them now Paul!

ANDREW WHITE Christchurch has QSL'd KPOL, KGBS and WMAQ.

GRAEME BAMFORD Tauranga has a lone QSL from KXEL but reports out to KOB, KGMB,WBAP,Fiji 710,120,4QD. Your 2ZF/ZH QSL should only be counted for 2ZF if that was all you reported on. All QSLs count in the ladder - one per station that is.

Graeme HUTCHISON Kaiapoi has logged KDAY and QSL'd 3ZO,KOMA,KSTP. XERF used to have EE earlier in evening. I heard them in SS at 0645 GMT last Wed.

ASH NALLAWALLA Dunedin, another Conventioneer has reported 3TR,XEPRS,HIA A (tent),Fiji 560,CMW,3UZ,2WG,GZ,HD,MW,LM,VOA Poro,4QS,AK,RO,Fiji 810. QSLs KOA,JOVR (the 100w refers to two repeaters also on 1400kHz with the 5kw.

Ash Nallawalla QSLs continued: 3SR,SH, GL,ZB,ZC,ZM,BO,2NZ,BE,LF,ZC,ZN,ZG,ZD,ZH,ZW,ZP,NC,KP,ZA,CH,CKWX(IRC returned) 3DB,Paradise,Hauraki,1YK,ZB,ZB,XX,ZM,ZK,ZE,ZN,ZC,4QW,YA,ZB,YW,MK,QL,JOLF,5AN and KFVS 960 - a NZ first asks Ash?

PAUL RAWDON Lower Hutt has a verie from KAIM and reports out to KGMB,KTWO,KNEW,KGIL,KFRE,KABC,CKLG,Fiji 890,WVUV 1120,7AD,ZK1ZC. After Convention 76 Paul says he's looking forward to ChCh in '77.

PHILIP HOPE Oamaru has logged KALI,KGIL,HJAD,WXLE,KTOM,KCEY,KEX,KFAC,WWWE,4XD,2LF,LM,ST,BY,KM,7LA,ZR,Windy 890,4MB,3ZO,KMPS,WIZM,KEEN,3AR,4QG,4RK,RO,JOSEF,CKWX, Wor Por Thor 705. Convention logs KNDI,XEPRS,Cook Is.600,KTWO,A3Z,KDAY,2AY. Lone verie: 2ZM. Plenty due soon Philip!

COLIN CAMPBELL Rotorua has reported WSM, Funafuti 580,KGMB,Lautoka 640,680,KKUA,KORL,KMVI and a Radio Emisora Nacional? on 620. Canary Islands extremely unlikely Colin as 1640 GMT 90 mins before sunset there.

ALAN ROBSON Christchurch has logged KNDI,XEPRS,KTRH,KXYZ,2CH,NU,KP,NR. QSLs in from Fiji 1470,WMAQ,WGN,2KP,NU,NR,KNBR,WLW,KGBS,KNDI,KFRE,KTRH. Thanks Alan.

BRUCE CAVANAGH Invercargill has veries from 2LW, 6IX and 5PI.

PHILIP BROOKS Wanganui sports QSLs from WLW and Singapore 790. Logged KDAY,KGA,PJB and Paradise at ye Eds, and a third report to 1ZU from home.

PAUL ORMANDY Oamaru logged KVEN & KALI while visiting Tiwai. At Convention 76: Cook Islands 600,KTWO,KRLD. At Oamaru: 2GZ,CN,ZB,LF,XW,KM,BY,LM,ST,3CV,AR,YB,4BK,IP,QO,2B,MB,WK,AK,MK,QG,RK,RO,5PI,DN,XEBG 1550,7SD,LA,HT,ZR,KTOM,KGIL,KDB HJAD,KEX,KGB,KCEY,KFAC,WWWE,WESR 1330 (what id hrd Paul? This station not sked at this time,0800 GMT),WWWE,JOER,JOEK,SF,QR,Canton 1340,KONP 1450 at 0910 (this sked off 0800 per NRC),KIOE,KORL,WSZD,KMPS,WIZM,KEEN,BED62 1000, Wor Por Thor 705,CKWX,CMKV,KGBS. QSLs from 5AN,IC,3YW,Fiji 890,3ZO,KELI and WENN 1320.

## BEST OF THE MONTH

OPEN: Radio Paradise 1265kHz 50kw  
Basseterre, St Kitts.

131 points.

ASH NALLAWALLA, DUNEDIN.

# BROADCAST TRAIL

## MORNING

- 550 KMVI fair 1515. CC
- 570 DYDY mixed KLAC 1300.2YA off.RC r
- 590 KGMB good 1515. CC
- 650 KORL 'non-stop pop' 1420 GB
- KYAK 1245. AN. 1530 under KORL.CC
- 655 Russian here 1655 poor. CC
- 705 Wor Phor Thor vg in Thai 1330.PO
- 880 KRVN strong,ident 1300. GB
- JOPK vg with JJ play 1204. PO
- 940 KFRE fair 1320. GB
- 960 KOOL news fair 1400. GB
- 973 Yuzhno vg 1300 RR mx. PO
- 1016 Istanbul over Indonesian 1708.BC
- 1070 AIR Rajkot 1503 Pushto,fair. AN
- 1090 KING fair 1340.GB.XEPRS 1314.AN
- 1120 3EA s/off 1200 GMT on loop. RC r
- Radio Samoa news good 1354. PR
- 1130 CKWX and JOQR 1354-1400. PO
- 1160 KSL 'Traffic Report' 1420 gd.GB
- 1214 Tirana in Italian 1800. BC
- 1240 JOLF JJ fair 1419-1429. AN
- 1260 KGIL fair 1447-1450. GB AN
- CFRN fair 1335. GB
- 1310 KDIA 1458-1503 fair. AN
- 1330 JOSF vg id & play 1313. PO
- 1334 Jakarta vg 1400-1600.PO.1740.BC
- 1340 Peking FS vg 1200-1230,1300- PO
- 1350 JOER vg ids often. 1621. PO
- 1380 China here 1330 //605,625,645,PO
- 655,725,730,800,1095,1125,1225.
- 1394 Albania fair 1731. BC
- 1466 Monte Carlo vg 1745. BC
- 1470 DWRP with CC relig. 1530. BC
- 1529 Vatican Radio fair 1730. BC
- 1554 Nice in FF, good 1735. BC
- 1575 Sharjah good in AA 1730. BC

## EVENING

- 600 ZK12C Rarotonga with Convention  
Special 0802 6/2 fair. Many
- 640 Lautoka good 1015.Also 680kHz.CC
- 670 Noumea exc FF 0746. PE
- 690 KKUA under 3YA 0815. CC
- 700 WLW good 0741. PE
- 740 KTRH CBS Nx,wx,local nx 1000.AR
- 770 KTWG aired Convention greetings  
at 0930 & 1200 6/2 but regret-  
ably not heard under JOUB.
- 790 KABC Nx fair 0909. PR
- 760 KGU thru 1YA 0933. GB
- 800 PJB strong in Spanish 0815. JB
- 820 WBAP good NBC Nx 0700. PE
- 1020 KDKA good, ident 0902. GB
- 1030 WBZ "Radio 103" fair 0943. GB
- KTWO exc 0700 NBC Nx.PE. 0732.PR
- 1080 KANC 0903 id after news,good.PO
- KRLD Phone show,Mutual net.0745
- KIOE 'K-108' pops strong 0900BC

- 1090 XEPRS "Express" pop oldies vg 5  
0909.BC.Mixed KING 0800 fair.PEAR
- 1110 KFAB Serenade at Night,fair 0815AR
- 1120 KPNW with WVUV 0905, good. FE GB
- 1170 KVOO "50,000 watt Big Country"0838  
GB. "Big Country Radio" 0703. PE
- 1190 KEX hrd 0745-1450 vg level.PO.PEGB
- 1260 CFRN News,steady 0800. BC
- 1300 KVET Nx,wx often 0815. RC r
- 1330 HJAD Todelar id 0835 poor. PO BC
- KFAC excellent 0730. PO
- 1360 XETP 0750 21/12. RC r
- 1370 "KEEN Country" very good,0816. PO
- 1380 KFOI rock music vg 0800. BC
- CB138 Colo Colo ident 0830 19/1.BC
- 1390 KCEY wx 0915.GB 0800 very good. PO
- 1450 KESS exc 0900. RC r
- WSZD 0843 fair in Ponapean. PE
- KMBL with ident 0857. PO
- 1451 Unid Latin regularly since mid-Jan  
0800-0900.Id as "Radio Reye?" -  
perhaps Radio Alegre ex YVZQ? BC

1470 CJVB regrettably not hrd with two  
Convention special prgms 0815 &  
1345 7/2. Only XESM & Fiji hrd.

1490 2AY strong signal with Convention  
Call 1002 7/11. Many

- 1540 KXEL good with rock 0806.No KPOLFE
- 1550 XEBG vg in EE! 0837. PO
- 1580 KDAY with briefest of DX calls  
0802 7/2. Poor for once! Many

DON'T FORGET WE DON'T REPEAT EVERY  
ITEM FROM MONTH TO MONTH. MANY OF THE  
LISTINGS IN LAST MONTHS TRAIL WILL  
STILL BE HEARD.

Contributors:Colin Campbell,Jim Benzoni,  
Ray Crawford,Gavin Bennett,Paul Edwards  
mainly from Whakatane DXpedition, Paul  
Ormandy,Bryan Clark,Ash Nallawalla,Paul  
Rawdon,Alan Robson. Thanks fellahs!

IRCA (International Radio Club of America)  
P.O.Box 21462, Seattle, Washington 98111  
is the second largest ECB club in the US,  
(after the NRC) with 400 members. Their  
mag 'DX Monitor' is now posted from Can-  
ada, allowing them to offer airmail subs  
to anywhere in the world of US\$12. The  
mag is published 34 times a year. Items  
from 17/1 issue:

- 1090 KBOZ Bozeman,Mt 5kw day/night auth.  
to start operations.
- 1300 KMFB Mendicino to 5kw D from 1kw.
- 1320 KOZY Grand Rapids Mn moving here exc  
1490, with 5kw DA-N.
- 1600 WAFX 1kw/1kw requests WXVI.
- 1380 KZUL Arizona to 2.5kw D from 1kw.
- NNRC have DX Special from WCVS 1450kHz,  
Springfield,Illinois 23 February from  
0700 to 0800GMT.

# PACIFIC ASIAN REPORT

6 JORDAN A new transmitter carrying the domestic service from Amman has been observed on 912kHz since 29/10. An Amman newspaper the same day stated that a new 1200kw transmitter located in the Ajlun area had started experimental transmissions. BBC MS (c)

NORTH KOREA External Service on ECB from Pyongyang includes 1100-1800 in Korean to South Korea on 800,735,685 and 655kHz; in Korean to Japan 1030-1100 on 800,735,685 and 655kHz, and in Japanese to Japan 0900-1500 on 635kHz. BBC MS(c)

Radio Pyongyang, the Korean Central Broadcasting Station scheduled 2000-1800 on 785 and 725kHz, 1500-1800 on 635kHz and is also heard on 1125, 915, 810, 765 and 565kHz. BBC MS(c)

North Korean regional stations relay the domestic service, except for 3 periods during the day (including 1100-1120) when local programming is broadcast.

+Chongjin, North Hamgyong Province.

2000-1800 on 1145, 987, 695kHz.

+Haeju, South Hwanghae Province.

2000-1500 on 1080kHz.

+Hamhung, South Hamgyong Province.

2000-1800 on 1000kHz.

+Hyesan, Yangyang Province.

2000-1800 on 1285 and 733kHz.

+Kaesong City.

2000-1800 on 810kHz.

+Kanggye Chagong Province.

2000-1800 on 1345kHz.

+Pyongyang City Service.

2000-1800 on 725kHz.

+Sariwon, North Hwanghae Province.

2000-1800 on 930kHz.

+Sinuiju, North Pyongyang Service.

2000-1800 on 860kHz.

Wonsan, Kangwon Province.

2000-1800 on 826kHz. BBC MS (c)

SOUTH KOREA Radio Korea's External Service on mediumwave includes:

1200 Korean, 1230 Japanese, 1330-

1400 Korean, all on 970kHz.

1300-1330 in Chinese on 600kHz.

1500-1600 in Japanese on 890kHz. BBC MS(c)

BANGLADESH Radio Bangladesh 690kHz from Dacca with 1000kw is on air daily 1155-1730 GMT. Reports in SINPO are requested in a letter from A.M.M.Abad (for Chief Engineer) at Govt. of Bangladesh, Directorate General, Radio Bangladesh, 145/A, Road No.2 Dhanmondi R/A, Dacca 5. Dene Lynneberg

IRAN Two 20kw transmitters to carry the second programme from Sari, will operate on 1290 and 770kHz. BBC MS(c)

INDIA AIR's new transmitters at Port Blair in the Andaman Islands went on air 6/11. (Perhaps power boost on 1440?)

INDONESIA Under a contract with Sumitomo Shoji Kaisha of Japan, RRI MW stations of 50kw each will be set up in Palembang, Pakenbaru and Banjarmasin, 100kw in Ujung Padang, 10kw at Semarang. BBC

UNITED ARAB EMIRATES The Ministry of Information in Dubai has ordered a 750 kw Marconi MW transmitter. By 1977, when installation is scheduled to be completed, the Dubai station, broadcasting domestic and external programmes, will have total output capability around 1500kw. BBC MS(c)

CHINA Current frequency usage of Radio Peking's domestic services: 1330, 980, 870, 850, 760, 660, 640, 630, 570, 560 & 540kHz from 2000 to s/off 1735 GMT. 1020kHz from 1500-1735. 1040kHz 1545-1735, 1160kHz 2000-1100. All the above frequencies carry the 1st programme. Frequencies for the 2nd programme are 720, 710, 630, 610kHz all 2100-1500 GMT. 1120kHz 1300-1500. 600kHz 2100-1000.

PLA Fukien Front Station broadcasts to Taiwan and offshore islands in standard Chinese and Amoy. Network I on 1020, 930 and 670kHz at 1000-0530 GMT. Network II on 1540, 1380, 1010, 950, 820 at 0230-1902 GMT. All BBC MS (c)

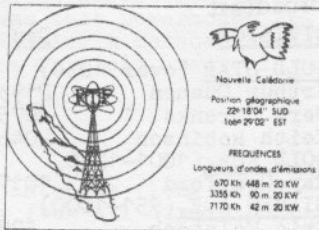
SRI LANKA Dr Paul E. Freed, President of TWR, has announced in Colombo that agreement has been made with the SLBC for the installation of a 400kw ECB transmitter supplied by the French Thomson organisation. This and antennae will be shipped to Sri Lanka mid-year and on-air date is scheduled for late 1976. 700 million people live in the target areas: Bangladesh, Burma, India and Pakistan and programmes will be in the major languages of these countries. Sri Lanka will be the sixth location for TWR's operations and will give a cumulative transmitter output of five million watts by 1977. BC

WESTERN SAMOA ZAP reported to be on 7050kHz with 3kw and 1420 with 10kw, in EE & Samoan. DSWCI via WWDXC

JOHNSTON ISLAND AFRTS has dropped its MW outlet 1250kHz and now uses FM only: 99.5 and 101.4MHz. WRTVH via WWDXC

**EUROPEAN DX NEWS**

**STATION  
OF THE  
MONTH**



GREECE Per latest VOA Sked, the Rhodes and Kavala stations are now 500kw.

BEST GERMANY SWF Rheinsender 1016 to increase power from 300kw to 600kw. DLF Mainflingen 1538 will increase its night-time power from 350 to 750kw. DLF Bad Dursheim 548 increasing to 100 kw from 20kw. MWC via NRC

At least 2 German stations will change frequencies following agreement at the International Radio Conference, Geneva. WDR Landenburg 1586 will move to 1594 and BR Munich 1602 will move to an, as yet unspecified frequency. BBC MS(c)

MALTA Deutsche Welle 1570kHz scheduled 7400-1750 in GG, 1800-1850 in Turkish and 1900-2055 in Arabic.

CZECHOSLOVAKIA Power increases under way: Prague 638, Nitra 1016, Bratislava 1097, Prague Foreign Service 1286, all to 1500kw. Presov 701, Kosice 1520 to 600kw. Bystrica 701 and Brno 953 will increase to 400kw. Rauch MWC via NRC

BELGIUM Veltem has moved from 1511 to 1513kHz. MWN via SADXC  
Belgian Radio-TV are seeking increase to 600kw from 20kw for above outlet.

SPAIN RNE National prgm carried 24hrs on Madrid 584 100/200kw, Tenerife in Canary Islands 620 100kw, Sevilla 633 125/250kw, Barcelona 737 125/250kw. New stations of RNE are Almeria 638 10kw, Logrono 728 10kw, Valencia and Caceres both on 773 with 50kw each, Crense 773 with 10kw, Pontevedra 854 10kw. Over half the MW stations in Spain are due to move to FM in the next few years. BDXC via SRK, BBC MS.

IRELAND RTE has been testing their new 500kw transmitter on 566kHz, with a test output of 150kw. The new site at Tullamore has been chosen for its good ground conductivity. Reports requested to Reception Investigations, RTE, Donnybrook, Dublin 4. Gollins SDXers 11/75

VATICAN Radio's MW sked is 1259kHz in 7315 Armenian, 1830 Ukrainian, 1845-1900 in RR (part sked only). On 1529kHz programmes include: 1630 Italian, 1700 Rumanian, 1715 Bulgarian, 1730 Arabic, 1745 Albanian(exc. Sat), 1800 Slovenc, 1815 Croat, 1830 German, 1845 Hungarian, 1900 Czech, 1915 Slovak, 1930 Polish, 1945 Holy Rosary, 2000 multilingual PF EE & SS prgm. BBC NS (c)

"Vous écoutez Radio Noumea". That is the callsign of what must be one of the easiest to hear radio stations in the South Pacific. The offices of Radio Noumea or F.R.3, lie in a remote back street of Noumea - Rue Guynemer. It is found along with the TV station within the walls of the old ORTF building. From the outside it appears quite shabby - but within it is quite modern.

On a recent holiday in New Caledonia I paid them a visit to see how it was done! We were gladly shown around by a very pleasant and helpful man - Monsieur Jacky Aubert. He told us that the major problem encountered by Radio Noumea was the French government's attitude to colonial broadcasting stations. The attitude was one of an over-protective mother and consequently the station's quality of productions suffered. So strict is France, that it has decreed that all news broadcasts must emanate from the French Press Service, and therefore, using a hypothetical case - if a war broke out between NZ and Australia - Radio Noumea could not broadcast news of the event unless it came from the French Press Service. If they chose to ignore it, nothing could be broadcast!

I told M. Aubert about the confusion that reigned in NZ DX circles a few years back when an unusual French broadcast was heard around 1410kHz - it was later identified as an extension of the 670kHz service. He simply laughed and said he thought it surprising that it was heard at all, considering it was only a 4kw station.

All in all, it was quite an interesting visit. We met very helpful and friendly people who are a credit to the service they perform. And on the strength of my visit, I would recommend any DXer who happens to be in Noumea to pay them a visit - it is well worth it!

Stuart Forsyth

## LADDERS

Shortwave 8

## Broadcast

DIVISION.	Dec	Feb	Inc	Cnt	DIVISION	Dec	Feb	Inc	Cnt
<u>GOLD STAR (over 1250)</u>					<u>GOLD STAR(over 1250)</u>				
Arthur Cushman	2195	2200	7	141	Arthur Cushman	4217	4232	15	228
Merv Branks	2075	-	-	-	Barry Williams	1969	-	-	202
Keith Robinson	2046	-	-	108	Dene Lynneberg	1955	1973	18	183
<u>GOLD ACE (1001-1250)</u>					Stan Larking	1262	-	-	122
Ray Crawford	1017	1020	3	116	<u>GOLD ACE(1001-1250)</u>				
<u>SILVER ACE (751-1000)</u>					Tony Marr	1247	-	-	195
Eric McIntosh	897	-	-	82	Ray Crawford	1227	1232	5	138
Robin Chambers	796	-	-	103	John Mainland	1217	1228	11	171
Sutton Burtenshaw	819	-	-	88	Ray Babbage	1193	1195	2	119
<u>ACE (501-750)</u>					Bryan Clark	1053	1060	7	156
Stan Larking	684	-	-	84	John Durham	1002	-	-	115
Dene Lynneberg	669	676	7	81	<u>SILVER ACE(751-1000)</u>				
Graeme Shillito	612	-	-	62	Hans De Jong	996	1000	4	88
<u>SENIOR (301-500)</u>					Bill Huddleston	966	998	2	115
David McQuish	473	-	-	46	Brian Withers	882	-	-	-
Paul Aronsen	413	414	1	-	<u>ACE (751-1000)</u>				
Chris Martin	405	429	24	113	Lindsay Robinson	700	703	3	108
Ray Babbage	381	384	3	29	Jack Searle	650	-	-	92
Brian Withers	359	-	-	-	Laurie Boyer	-	629	-	-
Bryan Clark	344	357	13	68	Eric McIntosh	606	-	-	110
<u>INTERMEDIATE (151-300)</u>					Des Davey	524	608	84	-
Lance Johnston	276	-	-	30	<u>SENIOR(301-500)</u>				
Jim Benzoni	235	235	-	22	Paul Aronsen	491	500	9	-
Lindsay Robinson	198	200	1	25	Jim Benzoni	430	438	10	85
Alan Robson	181	196	15	25	Lance Johnston	389	-	-	72
Sinclair Bennett	190	-	-	10	Austin Hadler	243	263	20	67
Des Davey	163	168	5	-	Alan Robson	345	357	12	73
Paul Ormandy	151	-	-	18	Peter Greener	337	-	-	75
<u>JUNIOR (51-150)</u>					Steven Greenyer	302	-	-	115
Jack Searle	141	-	-	15	<u>INTERMEDIATE(151-300)</u>				
Paul Rawdon	117	119	2	13	Bruce Cavanagh	257	286	29	83
Brian Oliver	115	-	-	5	Paul Rawdon	257	267	10	61
Gay Johnston	114	-	-	10	Bob Boundy	248	-	-	55
Wyn Machon	-	113	-	40	Colin Campbell	240	-	-	58
Michael Smith	112	114	2	8	Colin Campbell	240	-	-	58
Bruce Cavanagh	104	107	3	19	Jonathan Aitchison	229	-	-	62
Andrew White	100	105	5	13	Jack Farrow	202	206	4	46
Ash Nallawalla	51	104	53	12	Michael Smith	201	218	17	55
Jonathan Aitchison	100	-	-	12	Bill Vogel	179	200	21	90
Pamela Sutton	93	-	-	-	Paul Ormandy	189	-	-	63
Gavin Bennett	92	100	8	18	Brian Molloy	169	181	12	47
Philip Brooks	81	90	9	9	John Martin	180	-	-	53
Graeme Hammond	88	-	-	11	Paul Edwards	152	163	11	71
Stuart Forsyth	-	60	-	5	<u>JUNIOR(51-150)</u>				
<u>NOVICE (1-51)</u>					Brent Allred	87	120	43	27
John Allchin	-	50	-	6	Ian Wells	117	119	2	56
Jack Farrow	47	48	1	4	Garry Bulter	100	116	16	57
David Feldon	42	48	6	7	Graeme Hammond	104	-	-	27
Philip Hope	-	48	-	4	Alex Wellner	88	102	14	65
Steven Greenyer	38	-	-	21	Gay Johnston	94	-	-	36
Colin Campbell	32	-	-	-	David Feldon	80	83	3	26
					Andrew White	59	59	-	26
					<u>NOVICE(1-51)</u>				
Apologies to Laurie Boyer who was left off the BC lists. Laurie's total is 1234.					Peter Matt	50	61	11	32
Congratulations to Hans De Jong from the Apple Island on attaining 1000 on SW.					Ash Nallawalla	45	52	7	28
					Pamela Sutton	38	-	-	-

New faces on the ladder are; John Allchin, Stuart Forsyth, Philip Hope, and Wyn Machon. RAY BABBAGE

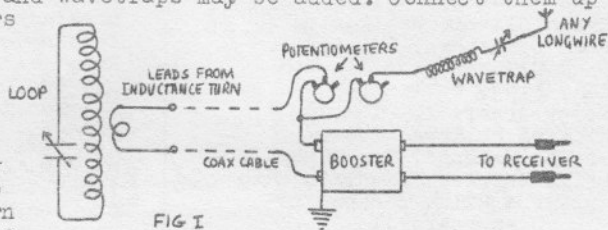


Recently Robin Chambers of Opunake, in the shadow of Mount Egmont, logged 4JA Julia Creek, Queensland 570kHz. The remarkable thing was that powerhouse 2YA was very much on the air at the time and Robin was utilising a method which has netted him some very fine catches in the past - the Cardioid Array. In this article he tells us....

## WHAT IS A CARDIOID ARRAY.

Theoretically and often in practice it is one or more antennas (long wire) and medium-wave loop, tuned to receive signals equally from all directions except one.

For best results, standard equipment would be: a medium wave loop (see 1/73 DX Times or brochure included in all New Members Kits), a loop booster (see 12/73 Times), two 10,000 ohm potentiometers, a longwire antenna of any length and a wavetrapp. Extra longwires and wavetrapps may be added. Connect them up as shown in Fig I. Potentiometers can be mounted on a small piece of hardboard and screwed to the side of the booster.

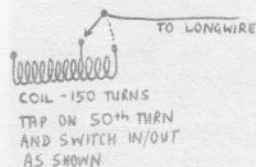
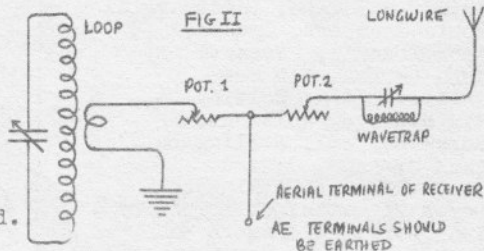


This method can give a very sharp null indeed, far sharper and deeper than with an ordinary loop. For example, let us try to null 2ZB Wellington. Firstly turn loop for maximum pick-up and tune for maximum gain. Then swing loop to best null position. The potentiometer for the loop should be set at minimum resistance. Now adjust the potentiometer on the longwire for a null (watch for dip on the receiver's S-meter). Next tune the wavetrapp for a null. It may be necessary to readjust the "pot", and also the position of the loop. Try now adjusting the "pot" on the loop coax (although this probably won't have much effect).

By now there should be a considerable reduction in the strength of 2ZB. If not, try the procedure again from the beginning. Peak 2ZB on the loop, then null the signal by turning the loop around, but this time use the null achieved by pointing the loop in the opposite direction, and continue the procedure. It takes time and practice but can be very rewarding DX-wise!

The Wavetrapp. One single gang 500pf mediumwave tuning condenser in series with 750 turns of copper enamelled wire (24 SWG) on a 1 1/2" diameter coil former or piece of broom handle. I have two mounted in a wooden box with sockets for aerial connections etc.

Similar effects to those outlined above can often be achieved without the booster, but in this case the coil and tuning condenser (capacitor) of the wavetrapp should be in parallel. Again, a fantastic null can be achieved in one direction only, and sometimes a slight null in the opposite direction. Directivity and selectivity of loops are greatly enhanced. See Fig II.



WAVETRAPP COIL HAS ADDITIONAL TAP ON FIFTIETH TURN.

Thanks to Robin for these details. Clearly there is plenty of room for experimentation, so start winding your wavetrapps now!

# CONVENTION '77

CHRISTCHURCH...WILL YOU BE THERE?

WATCH THE DX TIMES FOR DETAILS!

# CONVENTION

Convention '76 has come and gone, and despite a weekend of bad weather it was judged highly successful by all who attended. The programme organised by the Wellington group provided plenty of variety, with a number of innovations and inevitable surprises which added to the full enjoyment of the weekend. It was

## ROLL CALL

Chris Martin, Sydney.  
 Paul Edwards, Wellington  
 Terry Gloistein, Wellington  
 Bruce Williams, Wellington  
 Bryan Clark, Wellington  
 Barry Williams, Auckland  
 John Mainland, Wellington  
 Brian Oliver, Wellington  
 Dene Lynneberg, Wellington  
 Fred Clements, Wellington  
 Tony King, Wellington  
 Peter Grenfell, Oamaru  
 Michael Pollard, Temuka  
 Graeme Hammond, New Plymouth  
 Leigh Morris, Palmerston Nth  
 Arthur & Ralda Cushen, Invercargill  
 Harry Weatherley, Melbourne  
 Dick & Noel Whittington, Melbourne  
 Michael Cundy, Wellington  
 Ash Nallawalla, Dunedin  
 Chris Mackerell, Nelson  
 John Newman, Oamaru  
 Paul Rawdon, Wellington  
 Philip Brooks, Wanganui  
 Bryan Marsh, Auckland  
 Philip Hope, Oamaru  
 Brian Withers, Christchurch  
 Jim Benzoni, Hamilton  
 Jack Buckley, Sydney  
 Ray Crawford, Invercargill  
 Jack Searle, Haumoana  
 Arthur Williams, Invercargill  
 Robin Chambers, Opunake  
 John Brennan, Paremata  
 John Durham, Meremere  
 Philip Bolton, Wellington  
 Ray Babbage, Wellington  
 Derek Benfell, Wellington  
 Paul Ormandy, Oamaru  
 Nigel Robins, Wellington  
 David Ricquish, Christchurch  
 Tony Marr, Wellington  
 Arthur Kindell, Levin  
 Bill Pearson, Wellington  
 Lorraine Withers, Christchurch

indeed a thrill for all the locals to have a strong contingent from Australia, and for perhaps the first time, have the active participation of three ladies at a Convention - Ralda Cushen, Noel Whittington, and Lorraine Withers.

The venue at Tatum Park proved ideal with the group accommodated in five motels and two tents, with do-them-yourselves breakfasts in each unit, while the main evening meal was taken in the Tatum Dining Room - and what a pleasant experience this was too. It certainly was a far cry from the half-cooked sags of Conventions past!

The programme got under way on Friday 7th at 2.p.m. with a roll call and coffee in the TV1 Studio block at Avalon, before a comprehensive tour of the complex led by Bill Perason and several of the technical wizards. 5.15. saw the arrival of the first cars at Manakau, and settling in to the huts allocated. Everyone was pleasantly surprised to see that the huts had been named after prominent radio personalities or broadcasting personnel, and hence we had the Harry Van Gelder Hut, Keith Glover Hut, Alan Roycroft Hut, Arne Skoog Hut, Earle Fisher Hut, and the two tents - for the Wellington lads who needed 'drying out.' Each hut was wired to a long wire of some 300' in length - four of them lashed to a convenient flagpole which had been scaled earlier in the day by Terry Gloistein

## PHOTO PAGE KEY

TOP Convention group at Tatum Park, Manakau. 8" x 6" enlargements are available from Bryan Clark, Box 638, Wellington for 75 cents each.

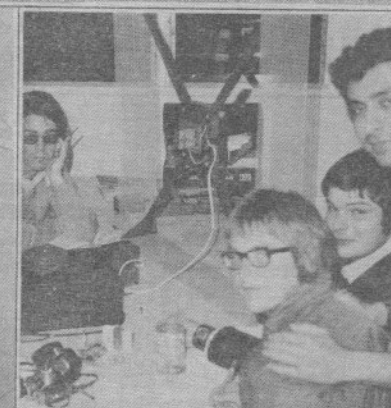
MIDDLE ROW Left. Bidding was brisk and enthusiastic in the auction. Phil Bolton displays his wares while Tony King keeps track of the bidding. Centre: Jack Searle and Ash Nallawalla framed in BCB loop.

Right: David Ricquish, Paul Ormandy, Paul Rawdon, Ash Nallawalla, ponder the location of 'Radio Guano.'

BOTTOM ROW Left: Geoff Hagget, Radio N.Z.

External Services, in discussion with Leigh Morris, Philip Hope, and Harry Weatherley. Right: Group at Avalon - Ray Babbage, Harry Weatherley, (obscured) John Durham, Lorraine and Brian Withers at back, Ray Crawford, Chris Martin, Jim Benzoni, John Newman, Barry Williams, Paul Edwards.

Photos - Bryan Clark.



and his rigging gang. Dinner was at 6, so after warming up the sets, everyone trooped into the dining room for the first of our smorgasbord meals. After dinner, 'goodies' packs were distributed to compliment the special issue of Capital DX handed out at Avalon - special notepaper had been printed, matches from Radio America, Lima, the usual brochures on the area, a preview of DXCURSION '77, and the good deal in digital clocks available at the Convention.

7.15. and we had our first call from Radio New Zealand in the Mailbox programme, and then all loops were swung north for the Cook Islands on 600 Khz. Despite Stateside interference until five minutes after the 12 minute programme started, the special was well received, and the strains of the Neketini Brass interspersed with a voice from Wellington came through well. More exciting was the announcement from the station that a transmitter on 3265 khz was also on the air, and most took the opportunity of catching this 500 watt transmitter. Over coffee and other nutriments we caught the RNZ call again, and while most chased the Yanks, attempts were made to raise the KTWG call at 10.30 on 770. Some DX'ed all night - but apart from the chorus of mosquitoes and thud of moths little of note was recorded on Friday night.

Saturday dawned wet - so the programme called for our panel discussion on the subject "Does New Zealand need a voice on Shortwave." The subject was introduced by Arthur Cushen, and a most informative and thought provoking discussion ensued. The economic, tourist, and technical aspects of improving the service were well aired, and it is proposed that the League convey its observations and suggestions to the appropriate quarters. Two films to whet the appetite for DXCURSION '77 were shown, before a picnic lunch "knocked up by the lads" was laid on.

2.p.m. and Auction time, and after the eighty nine lots had been well and truly pawed over, Tony King set the scene for what turned out to be a most interesting and successful venture. How much is a collapsible loop worth - someone thought \$17-50; a loop booster - \$15.00; an ATU \$8-00; a vintage radio \$4-50; 35mm camera \$10.

Two hours of enjoyable bargaining which needless to say put the Convention firmly on a good financial footing. And there were those raffles too - as Philip Brooks - working as though he was a commission salesman - persuaded us to part with 50c for a digital clock or 20c for a World Radio & TV Handbook (won in the end by Ray Crawford, and Paul Rawdon respectively).

Before tea - a call from Keith Glover and Warren Moulton on Radio Australia which was much appreciated - and was caught again by most of the group at 9.30.p.m.

After tea, more DX with a lookout for GJVB at 9.15.p.m. By this hour however there was considerable consternation 'in the camp' about "a thing calling itself Radio Gwarno, voice of the Ocean on about 7520." No sooner had most locked onto it than the test concluded but with the thoughtful promise that further tests would follow "today." Sets remained rivetted to 7520, as a new Pacific SW broadcaster was a possibility with the recent activity in the New Hebrides. On it came again with its haunting interval signal; phone number, announcers name, village - and then close down. What to do? Ring the Post office suggested someone. Lurking in the night with his transistor cocked Phil Brooks struck "gold" (or S9 shall we say) on 7520 and homed in on - yes a peewee 2mw radio station pumping out Guano. Momentary disarray existed in the camp for some time, but after everyone had received their official QSL card the exercise was rated as 'very well done.' 10.p.m. and KDAY gave us a fleeting call, and at 11.03 2AY Albury gave us a very good call and played us a 'Hard Day's Night'. And so it was into the bag for another night.....

Sunday, Bryan Clark nightshirt fluttering was seen streaking across to the office block at 2.30.a.m. to receive a call from Theo Donnelly at GJVB... Breakfast was a feast at 8...and the wrap up; photos, prizes, and farewells from the most successful convention held in the north. And for the record here is the Convention prize list: Best Logging SW - Paul Ormandy Djibouti 4780; Most logs - Jim Benzoni, Most countries- Arthur Cushen; Most Africans- Brian Withers. MW: Best log-Chris Martin KCRG 1600; Most logs-Paul Ormandy; Most Aussies-Asi Nallawalla; Yanks-Ash; Countries; Paul Ormandy. Consolation -Brian Oliver.

# Shortwave Mailbag

WITH TONY MARR

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Well, Convention is but a memory now; but a very pleasant one as far as I'm concerned. It was great meeting so many of you; to those who couldn't make it-maybe next time. Lots of BOM entries this month, which is very good also. Keep those entries rolling in. Now to the mailbag ;

BENE LYNNEBERG Wellington, and lately of \*The Tatum Arms\* is first up with a good list Israel 5900 7412 Finland 15105 6120 P&P 21635 via Kalinin RNZ 6105 9585 Oman 11890 for country 183.

PAUL EDWARDS also of Wellington has some goodies too RAI 7235 RN Talata 17810 RSA 17780 Djibouti 4780 Ghana 4980 Turk Met 6900. Your BOM just didn't quite make it. Sorry.

LINDSAY ROBINSON Invercargill has 9 out and QSLs from DW 6185 Manus 3905 Sanaa 5805 for 108 countries. Nice.

PHILIP HOPE Oamaru has 7 out and has heard from France on 11710.

PAUL ORMANDY Oamaru has been busy with 60 out and QSLs from Bon 9770 RNE 11880 11945 Canarys 11800 Moscow 15150 11820 11690 Singapore 5052 RA 9580 9530 P&P 21655 21450 Lisboa 11935 NHK 17725 Talata 17810 HCJB 9760 VLR6 Chimbu 2376 Finland 6120 Pakistan 21590 Paris 21580 18 VOAs.

IVOR HILL Bluff has a long list too RN 9715 9770 11730 DW 9735 9605 RA 9730 9625 11870 Peking 11720 11600 9030 HCJB 6130 Praha 11990 9505 RNE 6065 8 NHKs RNE 11775 Warsaw 9675 and pennant moscow 11770 plus pennant Sweden 6065 11705 also with a pennant VOA 9750 11770 UN 9555 5955 Budapest 11910 FEBC 11855 Vatican SBC 11775 9590 BBc 9600. You've been busy.

ASH NALLAWALLA Dunedin has 5 out and varies from P2T4 RA 15300 and 11930.

BILL VOGEL Adelaide has 4 out and has had luck with BBC Cyprus 11760 VOA Monrovia 6045 Veritas 11910 Bucharest 9690 11940 11755 V Malaysia 15275. Yes, perhaps will see you next time.

ALAN ROBSON Christchurch has 20 out and QSLs from SBC 6135 5965 Lisbon 9740 Vila 3945 Turk Met 6900. More next month i should think.

RAY CRAWFORD Invercargill has them back from Kuwait 6055 DW Malta 9745 VOA Munich 9770 HIDA 3385. Enjoyed our get together...

CHRIS MARTIN Sydney has QSLed Baku 6110 Somali 9585 Red Cross 7210. Seems you've switched to the right band at last ?

JIM BENZONI Hamilton has them back from VOA Tinang 15290 6110 Tebrau 9580 VOA Munich 9770 P&P 11890 RNE 9570 DW 9765.

BRUCE CAVANAGH Invercargill has 11 out and answers from Moscow 11690 Bucharest 9510 5990 AFRTS 11840 Okinawa 6010 VOA Munich 3980 RNE 11925 NHK 6030 Warsaw 9645 RNZ 9585 RN 15415 TRT 9515 plus a pennant. A nice list.

PAUL RAWDON Wellington has none out but better luck with varies AIR 9575 ELWA 11860 TWR 11925 SBC 11850. More logs next month....

BRENT ALLRED Motueka has a good lot HCJB 11915 WYFR 11805 Peking 7120 9460 11720 plus a calendar SBC 9590 VLQ<sup>o</sup> KGEI 5980 RA 9570 15160 15240 Vatican 9625 NHK 15235 TWR Bon 11925 11815 plus pennant Bucharest 11940 also with calendars. You shouldn't forget the date, anyway...

GARRY BUTLER Wellington has them from Moscow 15130 VQ05 Budapest 9833 AFRTS 11840 V Malaysia 15275 DW 11905 RBI 15125 Brunei 7215 Singapore 5052 BBC Cyprus 7140 BBC Ascension 11860 FEBC 11890. Yes, exams more important.

PETER MOTT Christchurch has them back from Lisbon 11935 SBC 6045 Moscow 7150 Peking 15435 RAI 9710.

CECIL SYMMES Wellington has QSLs from RNE 11775 11920 11945 Moscow 5920 KGEI 9615 P2K3 Paris 11935 Malaysia 15295 NHK 15105 Praha 21700 AFRTS 9700. Ta.

JACK FARROW Lower Hutt has 11 out and QSLs from Sweden 9605 Lisbon 11935.

market square WANTED: DIAL GLASS

FOR

LAFAYETTE KT320 OR TRIO 9R-59 RX.

This is the oblong dial version.

Write to - Philip Brooks,  
Mosston Rd, Mosston, Wanganui.

RADIO VERITAS has a new address:- Overseas Service, P.O.Box 939, Manila, Philippines. Frequency drift on 19m caused by trouble in oscillator stage of their 50kw Gates transmitter. JS

AUSTIN HADLER Christchurch has 31 out and has heard from RSA 7270 RBI 9500 15390 DW 6185 11785 Sweden 11715 RAI 7235 9575 ELWA 11860 AIR 7150 Sofia 6070 TWR Bon 11925 Kavala 7295 Gvle 17785 RA 6045 9625 11820 ORF 9650 9690 15345. A good collection.

DAVID FELDON Rotorua has answers from RA 9570 SBC 15305 NHK 17725.

JACK SEARLE Haumoana has had success with IBA 17685 Tashkent 11925 15115 P&P 11950 Burma 5040 HJZP 15335 RBI 15250 SBC 17840 RNE 9570 Vatican 9625 Penang 7295 Pyongyang 9410. Some nice ones there, Jack.

DES DAVEY Te Kuiti has 14 away and QSLs from RAI 7275 7235 Cuba 11870 NHK 17880. Thanks.

PAUL ARONSEN Invercargill has 5 out and answers from Kimbe 2340 DDR 7260 VOA 7170 Cuba 11970 Amman 7155 Togo 5047 DDR 7300.

ARTHUR KINDELL Levin has 5 out also, and QSLs from BBC Ascension 6005 FEBC 178Lo RSA 17780 Sanaa 5805. Very nice.

BOB BOUNDY Christchurch has veries from RSA 17780 Praha 11855 6055 7345 11990 plus a pennant, RNE 11775 also with a pennant Bucharest 11830. Bob, you omitted your ladder totals, I'm afraid.

WYN MACHON Invercargill has them from VOA 15410 Kuwait 15345 Malaysia 15275 Noumea 9510.

BRYAN CLARK Wellington has 6 logs, and QSLs from RSA 9585 15125 Talata 15185 Finland 6120 RAI 21690. Ta.

JOHN MAINLAND Wellington has them back from Israel 9400 7412 5900 5950 12077 Oman 11890 RSA 9585 Mongolia 11860

ANNE WOODS Nelson has one back from the VOA.

station at Tricomalee on the East Coast of Sri Lanka, at a site originally intended for Trans World Radio (see Pacific Asian Report). TWR will move to a site at Puttalam on the Northwest coast which is more favourable for broadcasts to the Indian sub-continent. The DW/Radio Teheran site will have a 600kw MW and 3 SW transmitters of 250kw each.

BELGIUM RTE/BRT Brussels ceases English transmissions to America on 1 March. A new French programme to Africa will be introduced the same day. SCDXers

SYRIA Damascus has moved from 9655 to 9580kHz with GG 1830-1900, FF 2000-2030 and EE 2030-2200 GMT. Leo Jung SCDXers 20/1

RADIO TANZANIA with strong signals on 9530 // 9550 for Swahili National Service.

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ARTHUR CUSHEN Invercargill has them from RA 11725 HGJB 9625 RSA 15125 RN 11930 Finland 6120 Malaysia 15275 RNE 11880 NHK 7205 ORF 9715 Freetown 3316 WINB 11775 Clarin 11700.

STEPHEN ROONEY Christchurch has 15 out and veries from IBA 7395 SBC 9590 11840 P&P 15145 WINB 15185 Peking 9460 11720 11600 KGEI 5980 UN 11760 AFRTS 11805 RA 6005 VQ05 DW 9765 P2K4. Welcome to the Times, Stephen. Please note Bandwatch entries on a separate page, in same format as set-out. Thanks.

HANS DE JONG Tasmania has heard from BBC 9615 21710 Hanoi 12035 Sabah 15275. Congratulations on your 1000th QSL, Hans. That's pretty good going.

IAN WELLS Milton has sent 4 away, and has QSLed Malaysia 15275 and Iraq 9745.

ALAN ROBSON Christchurch has his 2nd appearance this month with QSLs from Amman 7155 IBA 9815 RN 11930 15185 RNZ 15280 Finland 6120 Peking 9780.

## BEST OF THE MONTH

OVER 9 MHZ

RSA 17810 250kw

Paul Edwards

UNDER 9 MHZ

SIERRA LEONE 3316 10kw

Arthur Cushen

**STOP  
PRESS**

SOUTH YEMEN Aden's morning domestic service is now on 5970kHz replacing 5060kHz. BCC MS(c)29/1

SRI LANKA Deutsche Welle & Radio Teheran, Iran are planning a joint relay station at Tricomalee on the East Coast of Sri Lanka, at a site originally intended for Trans World Radio (see Pacific Asian Report). TWR will move to a site at Puttalam on the Northwest coast which is more favourable for broadcasts to the Indian sub-continent. The DW/Radio Teheran site will have a 600kw MW and 3 SW transmitters of 250kw each. Wolfgang Buschel SCDX 27/1

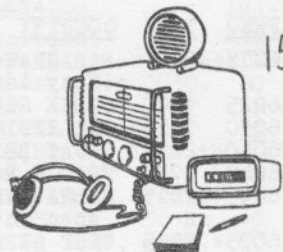
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RADIO TANZANIA with strong signals on 9530 // 9550 for Swahili National Service.

# SHORTWAVE BANDWATCH

with John Mainland



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Of interest in Bandwatch this month is the reception at Convention 76 of Radio Cook Islands on 3265kHz; a new station in the New Hebrides on the 75 and 41 metre band; interesting daytime reception from Asia on 31 and 25 metres; Voice of Greece on a new frequency to North America; Sanaa, Yemen Arab Republic with a move to 4853kHz; and TWR Bonaire has been heard testing on 6110kHz.

ALL TIMES ARE G.M.T.

ALL FREQUENCIES IN KILOHERTZ.

<u>FREQ</u>	<u>TIME</u>	<u>COUNTRY</u>	<u>STATION</u>	<u>PROGRAMME &amp; RECEPTION DETAILS</u>	<u>INITS</u>
2440	1540	INDONESIA	RRI Surakarta	vg. Jakarta 2450 also at this time.	PO
3223+	1845	SWAZILAND	Swazi Music Radio	fair with EE pops, adverts.	DW
3265	0800	COOK ISLANDS	Rarotonga	good 6/2 relaying Radio NZ till off at 0904. JB 0815 with RNZ External Svce, better signals than direct from Titahi Bay. BC 0829 RNZ relay and local ids, good.	PE
3322	1040	PAPUA NEW GUINEA	Bougainville	fair in Pidgin with time check.	PE
3380+	1830	MALAWI	Blantyre	with mx, fair. In Chicana/EE, fair.	DW
3549	1000	TIMOR?	Radio Dili	s/on in PP & dialects. CT+ 1150 poor with EE pops, Indonesian prgm. PE. Perhaps using facilities of RRI Kupang in Indonesian Timor as this no longer hrd on 3385. (BC)	
3905	0920	PAPUA NEW GUINEA	Radio Manus	good in Pidgin. 1110 fair-good	JB IW
3935	1052	INDONESIA (JAVA)	RRI Semarang	. Nx after chimes 1100, fair.	PE
3975	1159	INDONESIA (JAVA)	RRI Surabaya	fair with chimes & nx 1200.	PE
3975	0950	NEW HEBRIDES	Radio Canabu	with Pidgin English s/off annct. Is in breakaway area on Espiritu Santo. AC Good with popular European mx. Full Pidgin ident & s/off 7004 6/2. BC. Parallel freq 7120 good & steady 28/1 with popular indigenous songs & political talks in Pidgin. Prgm of mx continued after s/off annct & GSQ at 1000. BC Earlier on 7125 with GSQ 0955. AC	
4120+	1601	INDONESIA	RPDK Garut	with id in Indonesian at s/off.	CT
4698+	1445	INDONESIA	RRI Surabaya	with Indonesian vocals, fair-good.	DW
4725+	1440	BURMA	Rangoon	with local vocalists, good.	DW
4740+	1725	MALDIVES	Radio Maldives	poor in EE with mx & s/off anncts.	BV
4800	0615	ECUADOR	Radio Popular	strong with mx prgm, regular idents.	AR
4832	0600	COSTA RICA	Radio Capital	exc every night.	PM
4850+	1945	MAURITANIA	Nouakchott	in AA. DW. 2005 fair AA Nx BV. Not to be/	
4853	1935	YEMEN ARAB REPUBLIC	Radio Sanaa	now here ex (confused with/ 5805. Fair with AA music 6/2. JM (new 4853kHz.	
4907	1136	KHMER REPUBLIC	Phnom Penh	vg with local mx, Cambodian anncts.	BCA
4915	0600	GHANA	Accra HS time pips, ident & EE nx. PE. 0640 begins vernac prgm, fair. PO. 0721 fair signal but rather noisy.	JS	
4950	1126	SARAWAK	Kuching	fair in EE with adverts, DW transcription prgm.	PE
4972	0630	CAMEROON	Yaounde	weak in French.	PE
4980	1015	VENEZUELA	YVOC Ecos del Torbes	strong with SS mx, commercials.	JB
5020	1100	SOLOMON ISLANDS	VQ05 Honiara	vg with BEC News.	JB
5040+	1428	BURMA	Rangoon	in EE, good with id 1430 & light music.	DW
5260+	1535	INDONESIA	RRI Sibolga	with local mx. Ident 1537. Not hrd 3291.	CT
5900	0500	ISRAEL	IBA	good with EE Nx, also on 5950. AR. 7395 good. FF 0515.	CC
5920+	1945	UKRAINE	Radio Kiev	fair with Listeners Letters in EE.	DW
5950	0500	ISRAEL	IBA Jerusalem	EE nx, good. Also on 7412, fair. JF Also by JS	
5955	0800	HOLLAND	Radio Nederland	good at s/on. Also on 6045, 7210.	AR
5960	0714	GREECE	Voice of Greece	fair with EE Nx. IW. Grk 0630, FF 0700.	NR
5970+	1000	INDONESIA	RRI Bandjarmasin	s/on with id & Indonesian anncts.	CT
5995+	1740	CANADA	RCI	fair in GG. Co-channel QRM VOA. BV. (From UK? BC)	
6005	1730	HUNGARY	Radio Budapest	opening in GG. Fair //6110.	JM

<u>FREQ</u>	<u>TIME</u>	<u>COUNTRY</u>	<u>STATION</u>	<u>PROGRAMME &amp; RECEPTION DETAILS</u>	<u>INITIALS</u>
6015	0920	PARAGUAY	Emisoras del Paraguay,	Ascuncion, fairly good in SS. Many ids. Blocked 1017 by carrier. DL. 0914 fair-good SS ident.	PE
6025	1200	UZBEK SSR	Radio Tashkent	vg in EE 77 9540 and 9600.	All JS
6030	1135	PHILIPPINES	FEBC Manila	weak in EE, with QRM.	JS
6040	2013	GREAT BRITAIN	VOA Wooferton	good in EE.	PO
6040	0730	FRANCE	Radio France, Paris,	in FF to Africa.	AC
6055+	2015	MALTA	AWR Voice of Hope via Cyclops	with identis in EE, FF, GG, then into East European lang. Mixed Prague & Kuwait. Padula	ADYN
6075+	2015	WEST GERMANY	DW s/on in SS for Europe,	fair with news.	BV
6105+	0340	MEXICO	Su Pantera XEQM	poor with SS pop music. Mitchell	ASWIC
6110	0735	NETH. ANTILLES	TWR Bonaire	concluding test 9/2. EE annct, fair.	JM
6120	0730	FINLAND	Helsinki	fair with EE s/on. AR. 0733 vg EE. Finnish 0700.	PO
6135+	1535	MALAGASY REP.	Tananarive	with harp int. sig, FF songs, Malgache anct's.	
6165+	0745	HUNGARY	Budapest	fair in SS. FF from 0800.	BV / Yeo ADYN
6190	1001	CHILE	Radio Nacional	good with ident in SS.	CS
6215	1715	MONACO	TWR Monte Carlo	relig. prgm in Hungarian, good.	JM
6235	1815	PAKISTAN	Radio Pakistan	fair with EE News, beamed to Turkey.	DF
6340	0557	TURKEY	'Turkiye Polis Radyosu'	clear ident at s/on with mx.	PO
6900	0534	TURKEY	Turkish State Met.	Radio vg with mx & solitary weather report. PO. 0550 Poor with Turkish folk music.	AR CT
7058+	0500	INDONESIA	RRI Jakarta	with news in Indonesian.	
7105	0500	ASCENSION ISLAND	BBC	vg in EE. BBC also logged on 9725 at 2339, 7210 - 0647, 9715 - 0517, 15420 - 0532, 21710 - 0900, 21470 at 0930, 9640 - 0730, 11760 - 0711, 17790 - 0940 all in EE. All	PO
7115+	1118	THAILAND	Bangkok	fair with Thai vocals.	DW
7115	0505	PORTUGAL	Radio Free Europe	very good in Hungarian.	PO
7121+	1500	SOMALIA	s/on with string instrument,	tentative Radio Hargesia id but definite Radio Somali ident's 1528. AA vocals.	CT
7120-7125		NEW HEBRIDES	- See 3975	for details.	
7125	1600	POLAND	Warsaw	with EE news and commentary.	AC
7130	1600	MALAWI	Blantyre	with local lang prgm, mixed with Moscow.	AC
7135	0603	FRANCE	RFI Paris	exc in FF. At 0715 hrd // to 5990, 6045, 6175, 9525, 11705, 11735, 11835, 17865.	PO
7140	0800	GREECE	Athens	strong with Greek prgm to 0850 GMT.	AC
7140+	0440	INDONESIA	RRI Ambon	with Indonesian songs. Also RRI Biak 7210.	CT
7145	0710	POLAND	Polskie Radio	Warsaw fair in Polish.	PO
7145	1300	LAOS	Vientiane	with FF id. EE 1330. PE. 1321 poor, noisy. BCa. 1351	AN
7155	0415	JORDAN	Amman	poor-fair in AA. News at 0400.	AR
7160	0649	GREECE	VOA Kavala	vg in FF. PO (250kw to North Africa per sked)	
7165	1150	JAPAN/RYUKYU IS.	VOA Okinawa	In EE. Ident 1200.	AN
7190	1624	YEMEN	Aden	fair in Arabic. Poor by 1700.	FE
7195	2000	SPAIN	RNE Madrid	fair in SS to 2030. //9600.	JM
7195	0459	SAUDI ARABIA	Voice of Saudi Arabia	in AA s/on. Vg at 0530.	PO
7235	1700	AUSTRALIA	RA Shepparton	good with EE nx to Sth Asia. CC 1605.	DF
7245+	1630	ANGOLA	"Radio Nacional de Angola"	& "Radio Clube de Angola" ids	CT
7250	0910	SOUTH KOREA	Seoul	poor in EE. President Park's New Year mssg.	CS
7255	0405	FRANCE	Paris	with mx prgm. Brief nx in FF 0415. Fair //9535.	JM
7260+	1835	COMORO ISLANDS	Moroni	with FF talks.	CT
7285	0300	LIBERIA	VOA Monrovia	s/on with EE nx, poor. Good by 0500. CC (7280??)	
7345	1605	CZECHOSLOVAKIA	Prague	in Afro/Asian Svce. Mx, cmtry, fair.	DF
9515	1700	UGANDA	Kampala	with nx, review. Pops 1715. S/off 1730 req reports	AC
9525	0434	USA	WYFR Family Radio	with readings from the Bible, fair.	CS
9545	0418	SOLOMON ISLANDS	Honiara	fair-good with DJ request prgm.	CS
9580	1600	ZAMBIA	Lusaka	with EE news, but mixed BBC Finnish Service.	AC
9585	0510	JAPAN	NHK Tokyo	with General Service in EE //17880.	PO
9590	1720	WEST GERMANY	Deutsche Welle	in EF with news to Sth Asia, good.	CC
9600	1940	SPAIN	RNE in AA.	SS after 2000, good level. JS 1730 SS at s/on.	CC
9605	0245	SEYCHELLES	FEBA,	possibly in Tamil. EE ident 0300, poor.	JM
9605	2030	SWEDEN	Stockholm	s/on in EE. Nx, fair. AR 2033 EE news, good.	JF



<u>FREQ</u>	<u>TIME</u>	<u>COUNTRY</u>	<u>STATION</u>	<u>PROGRAMME &amp; RECEPTION DETAILS</u>	<u>INITS</u>
9615	0639	USA	KGEI San Francisco	good in EE to South America.	IW
9615+	1400	GREECE	HNBI using VOA Kavala	250kw facilities, in Greek. Jones	ADKN
9625	0500	VATICAN	Vatican Radio	fair-good with Latin Mass. F/out 0730.	SC
9630	0100	SPAIN	RNE Madrid	fair with SS programming.	AR
9635	0125	SINGAPORE	Radio Singapore	weak in CC. 0135 splash RAI 9630.	DL
9670	1600	PORTUGAL	Radio Messias via Radio Trans Europa, Sines.	Fair in RR. GG at 1615, Prgm ends 1630. 7/2.	JM
9675	0910	BRAZIL	Radio Diario da Manha	PP ident, mx, time checks, fair.	JM
9680	0635	IRAN	Teheran in Farsi	mixed ABC. New freq //15084. JM. 0730 Nx.	AC
9700	1730	GREECE	VOA Kavala	in EE till s/off with full id 1800, good.	CC
9730	2220	SAUDI ARABIA	Riyadh with AA ident,	fair. New freq.	JM
9740	2045	PORTUGAL	Lisbon	very good in EE.	AR
9745	2000	IRAQ	Radio Baghdad	fair in English.	IW
9760	0310	GREECE	Athens in Greek to Nth Am.	Ex 9520. Mixed USSR.	JM
9765	0610	WEST GERMANY	DW African Svce	Nx, fair. DF. 2120 very good in EE.	BA
9770	1600	AUSTRALIA	RA Shepparton	nx & International Report in EE, vg.	CS
9780	0330	ALBANIA	Radio Peking via Tirana	fair. Sign-on at 0300.	FE
9790	1945	FRANCE	Paris in FF to Africa.	New out-of-band freq //9715, 9740	JM
9960+	1400	CLANDESTINE	Voice of Free Yemeni South	//5345 mid-east vocals	CT
11715	1717	SEYCHELLES	FEBa with Farsi prgm.	EE ident 1730. Fair 6/2.	JM
11725	1904	AUSTRALIA	RA Shepparton	EE nx, good. JS 2100 news poor.	DF
11730+	0900	INDONESIA	RRI Jayapura	all over Spain on 8/1-10/1. Fair Indo.	BV
11735	0931	KUWAIT	Radio Kuwait	with pops, anncts in FF. Good. Splash 11740.	BCa
11740	0300	SRI LANKA	VOA Colombo	poor with EE nx, cmt to s/off 0330.	FE
11740+	0735	VATICAN STATE	Vatican Radio	good with relig prgm in Rumanian.	DW
11770+	1845	YEMEN DEM. REP.	Aden with AA talks,	mx. 1900 ident, nx. Poor-fair.	BV
11785	0130	LEBANON	Beirut with FF Nx	to Canada. Fair ex 9675? 1/2.	JM
11800	0100	SRI LANKA	Sri Lanka Broadcasting Corp.	ids. Very good in Hindi	DL
11810+	0900	ITALY	RAI Rome	good in Italian to Aust/NZ with mx prgm.	DW
11820	0930	USSR	Radio Moscow	in EE for Aust/NZ good //9780, 11690, 15130.	JM
11835	1051	SRI LANKA	Colombo with light mx,	relig prgm. AK 1030 s/on EE.	DW+
11855	2215	BELGIUM	ORU Wavre	100kw s/on in Dutch at good strength.	DL
11860	0259	TAIWAN	BCC Taipei	fair in EE with news & comment.	BA
11875	0315	EAST GERMANY	RBI in Swahili	to East Africa ex 9500. Poor.	JM
11890	1700	FRANCE	Paris in French	with news & light music.	AK
11890	0345	PHILIPPINES	FEBC	with unlisted CC prgm to 0800, then into EE.	JM
11890	0325	OMAN	Muscat in AA.	Speeches & mx. AK. 0410 fair. JB. 0457 AA ident	FE
11920+	1955	IVORY COAST	Abidjan	EE nx. FF 2000. Ident 'Radio Ivory Coast'.	CT
11925	0044	NETH. ANTILLES	TWR hrd	as early as 0030 in EE.	PO
11930+	0510	THAILAND	Bangkok	here in EE ex 11915 16/1. CT. 11915 EE at 1105	DW
11940	0651	ROUMANIA	Bucharest	exc in EE to NZ with nx, cmt, mx.	BA
11940	2230	SINGAPORE	Radio Singapore	fair, mixed jamming. EE news.	DL
11970	1400	SWEDEN	Stockholm	in EE ex 11735, fair. Mixed Bucharest.	JM
12025	1900	NORTH VIETNAM	Hanoi	closing in EE, strong signal.	AC
15012	0907	NORTH VIETNAM	Hanoi	fair in EE till s/off 0925.	CS
15105	0956	FINLAND	Helsinki	int. sig, Finnish annct, clock chimes. New freq fair. JM. 1029 fair in Finnish. Swedish later. S/off 1100.	BC
15110+	1009	PAKISTAN	Radio Pakistan	in Urdu, fair. Local music.	DW
15115+	1213	EAST GERMANY	RBI Berlin	good in EE with nx, cmt. Ident 1215.	DW
15150	2200	CHILE	Voice of Chile	in various languages, fair.	AR
15165	0835	INDIA	AIR poor	with EE nx. CS. 0845 Indonesian. BV. 1045 EE good.	DW
15195	2200	JAPAN	NHK Tokyo	exc with General Service in EE. Nx, cmt.	BA
15210	1310	BELGIUM	Brussels	poor-fair in FF with frequent fading. Rlg pgm	BCa
15255	2330	NETH. ANTILLES	TWR "Radio Trans Mundial"	s/on GG. SS 2355.	BCa
15280	0857	MALAYSIA	BBC Far Eastern Station	opens with relay ident. Frequencies given as 6195, 9740, 11750 and 15280, also 15310.	CS
15285+	0920	INDIA	AIR	good with slow dictation news in EE.	DW
15285t	1040	MOZAMBIQUE	PP anncts for Radio Clube de Mozambique.	CC. (Per BBC ident is now Radio Mozambique & frequency 15295. Not hrd here Ed)	
15300	0915	FRANCE	Paris s/on	in FF strong. JB. 1735 DJ music prgm, fair.	CS
15310	0700	JAPAN	NHK Tokyo	EE general Service, good. BA 0800 Asian Nx, poor	DF
15310	0138	PHILIPPINES	Radio Veritas	testing. DW+ Hrd on 15325 7/1 0200.	AC

FREQ	TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	INITS
15325	1359	SEYCHELLES	FEBA	fair with Asian langs.Splash DW 15320.20/1.	PE
15345	0400	KUWAIT	Radio Kuwait	good in EE with Sth/East Asian Svce. SC	SC
				0535 vg with mx prgm.Later stamps,books,news.PO 0705 EE vg.	DW+
15350	0409	SOUTH KOREA	Seoul	with test tx.Reports requested in EE,FF,SS.JS	JS
15400+	2200	VENEZUELA	YVKN Radio Nacional	in EE for Europe to 2300.Zilmer/	
15400+	0538	IRAQ	Baghdad 'Voice of the Arabs'	prgm in AA fair. DW /ASWLC	ASWLC
15400	0445	BANGLADESH	Dacca	in EE,poor.CS.0450 fair EE Nx.JS.0452 ident.DW+	DW+
15410	1044	RWANDA	DW Kigali relay s/on in EE	under USSR.EC.7140 Swahili.PE	PE
15425	0420	SRI LANKA	Colombo	at very good level till s/off 0430.	AR
17665	0530	PAKISTAN	Radio Pakistan	good with Urdu nx //17830 vg,15325 gdBC	BC
17730	1945	ECUADOR	HC JB Quito	poor with religious book review.	CS
17765	1240	AUSTRIA	ORF Vienna	s/on in EE, good.	BCa
17775	0915	FRANCE	Paris opening	in FF to Africa, fair //17720.	JM
17780	0511	SOUTH AFRICA	Radio RSA	in FF to 0605. EE 0610-0705 exc most nights. //freqs 11900,15220 seldom hrd.PO.0615 EE Nx good.	AK
17831m	0540	PAKISTAN	Karachi	with Urdu ident.Poor with splash Peking. 0225 Dictation news poor.DF. Good with EE nx to 0245.	AN DW+
17880	1410	EAST GERMANY	Radio Berlin International	fair with EE cmtry.	BCa
17890	0240	TAIWAN	Taipei	with mx and station ident in EE.Bad reception.	CS
21450	0605	USSR	Radio Station Peace & Progress	vg in Chinese.	PE
21460	0900	GREECE	Athens.EE nx good at 0915.JS.0915 EE poor.CS 0905 Gk.		DW+
21685	0450	BANGLADESH	Dacca	EE nx,Bengali mx.Poor //15400 very poor.	AN
21690+	0958	SWEDEN	Stockholm	with ident in various langs. Fair-good.	DW

CONTRIBUTORS: AN Ash Nallawalla AR Alan Robson NR Nigel Robins IW Ian JS Jack Searle DL Dene Lynneberg PM Peter Mott PE Paul Edwards Wells AK Arthur Kindall BA Brent Allred AC Arthur Cushen PO Paul Ormandy DF David Feldon CS Cecil Symmes JF Jack Farrow CG Colin Campbell JB Jim Benzoni BC Bryan Clark SC Stephen Cooney BCa Bruce Cavanagh JM John Mainland. From across the Tasman: DW Dick Whittington, Victoria BV Bill Vogel, South Australia CT Craig Tyson, Western Australia. Thanks!

#### LATE ITEM

3955 1730 POLAND Warsaw s/on in GG to Europe. Poor 12/2. JM

FROM THE EDITOR: When submitting items for Bandwatch we would like you to check whether or not they appeared the previous month. Where possible we would like to feature as many fresh loggings as possible and avoid too much repetition from month to month. Thanks again.

#### STATION OF THE MONTH

The Far East Broadcasting Association (FEBA-Seychelles) is an international radio station on the island of Mahe in the Indian Ocean off the coast of Kenya. It broadcasts daily to the Indian Sub-Continent, Middle East and Africa.

Construction of the station began in 1967 and test transmissions commenced in October 1969 using a Collins 3kw transmitter. Regular programming began in May 1970 and power was increased to 30kw. A 100kw transmitter has been installed and may already be used.

FEBA is a missionary broadcaster dedicated to propagating the Christian faith. It is undenominational in character and is supported by Christian churches, fellowships and groups in many countries. FEBA broadcasts in many languages and periodically during transmissions English identifications and frequency announcements are carried.

Recent listening has resulted in reception of 9607 at 0300 GMT, 11715kHz at 1700 in Farsi, and in the 1230-1645 period on 11765 and 15325kHz. Verification of correct reports is by QSL card - three IRCs are required for an air-mail reply. Their address is FEBA, P.O.Box 234, Mahe, Seychelles, Indian Ocean. JM



**FEBA - Seychelles**  
 CONFIRMING YOUR REPORT  
 on 11-711 MHz at 1700 hours GMT  
 on August 12, 1974.  
 With thanks,  
*Brian Jones*  
 GEC Secretary

For the Broadcasting Authority,  
 P. O. Box 234, Mahe,  
 Seychelles (in Indian Ocean)

FEBA - Seychelles  
 is a member station of  
 FEBC Radio International

# ARTHUR CUSHEN'S SHORTWAVE REVIEW

19

An interesting station broadcasting from Espiritu Santo in the New Hebrides is operated by a breakaway government and is heard on 3975 and 7125kHz. We last heard this island in 1945 when a station was operated by the American AFRS. Signals from Africa around dawn on the higher frequencies have been noted, while Radio Australia plans to put its second transmitter at Carnarvon into service.

ALL FREQUENCIES IN KHZ ALL TIMES GMT (Add 13 hours for NZ Summer Time)

ARGENTINA Radio Nacional at Mendoza, LRA34 on 6180kHz is heard opening around 0800 and with full identification at 0845 GMT.

AUSTRALIA Radio Australia planned to use its second transmitter at Carnarvon beginning 1 February. The first transmitter (250kw) went into operation on 20 December. The schedule up to March 6th for both transmitters is as follows, but is still tentative as both transmitters are under test.

100kw English 2100-2230 on 7240kHz. Indonesian 2230-0300 on 9560, 0800-1100 on 9540, 1100-1500 on 7215kHz.

250kw English 2100-2130 on 6035kHz, Vietnamese 2130-2330 on 7215, English 2330-0300 on 11810, 0800-1030 on 11935, Mandarin 1030-1300 on 9560, Cantonese 1300-1430 on 9560, English 1430-1500 GMT on 7240kHz.

FINLAND The English broadcast schedule from 7 March is - 0300-0330 on 9720kHz, 0730-0800 on 6120, 11755kHz; 1400-1430 on 11755 and 15110; 1830-1900 on 9550 & 11755; 2030-2100 GMT on 9550kHz.

GREECE Athens heard very well on 7140kHz 0800-0850 in Greek.

HONDURAS Radio Swan has moved from 6185 to 6000kHz and is heard around 0800. There is interference earlier from Austria and later from Moscow. According to a verification, their address is Box 882, San Pedro Sula, Honduras.

IRAN Teheran has been heard with the Home Service on 7135 to close at 2100. They have also been heard on 9022, 9680 and 15085kHz at 0600.

MALAWI Blantyre 7130kHz is mixed with Radio Moscow at 1600 when carrying local programmes, and is blocked from 1628 by Deutsche Welle's Persian service.

NEW HEBRIDES A new station in the self-proclaimed breakaway part of the New Hebrides has been heard broadcasting in Pidgin English. The station is best on 7125 and closes at 0957 GMT after God save the Queen and a native song. The closing announcement is "This is Radio Canabu(?) broadcasting from Espiritu Santo; we broadcast every day from 11am to 1pm and again 7pm to 9pm. We broadcast every day on 3.975 in the 80 metre band and 7.125 in the 40 metre band". Signals are fair with CW interference; all programmes are in Pidgin, with popular waltz and Hawaiian type music between an address on the break-away.

PHILIPPINES Radio Veritas after testing on 15325kHz has returned to the announced 15310kHz and is heard 0100-0300. They are also testing 1400-1500 on 11875kHz and request reports.

UGANDA Kampala on 9515kHz is heard in English at 1700 with news. Closes at 1730 and asks for reports to Box 2038, Kampala. 15325kHz has been heard 1800-1900 mixed with Radio Canada - in English at 1800 and French at 1830. A third frequency 9730 is used 1900-2100 GMT.

USA WINB Red Lion operates 1745-1930 on 17720 and 1932-2245 on 11775 according to a recent verification.

ZAMBIA Lusaka 9580kHz has English news 1600, but mixed BEC Finnish programme.

FROM NASWA's DX HOTLINE 16/1/76

Radio Via, Ecuador is new on 4720kHz, heard as late as 0510. (Tuchsherer)

Possibly new Colombian hrd on 4975 at 1100. (Al Sizer)

Mozambique 100kw 15295 PP Nx 1400(CT)

FROM SWEDEN CALLING DXERS

Radio Andorra reported back on 5995kHz since 16/12, daily from 1100. (Rousarie)

Radio Uganda's 250kw transmitter is sked 1500-1530 EE, 1530-1600 FF on 6030; 1600-1800 EE on 9515; 1800 EE, 1830 FF 15325; 1900 FF, 1945 AA, 2030-2100 EE on 9730.

## NEW ZEALAND RADIO DX LEAGUE

ADMINISTRATIVE OFFICE, P.O.Box 1313, Invercargill  
All enquiries re membership, policy enquiries,  
stationery requirements, subscriptions and com-  
petition awards should be directed here.

EDITORIAL OFFICE, P.O.Box 2956, Wellington

Only queries relating to content and distribution of the Times should be ad-  
dressed to Wellington. Closing date for contributions:- First Monday in the  
month. Advertising: 50 cents for up to 30 words. Other rates on request.

ANNUAL SUBSCRIPTION: NZ\$5.00 Joining fee surcharge of \$1.00 for new mem-  
bers only. Overseas rates available on request to Invercargill.

## ..sign off..

ANGOLA Since 5/12, the state radio  
in Luanda has identified as Radio  
Nacional de Angola (RNA) instead of  
Emisora Nacional de Angola, which  
was adopted 12/11, following the  
countries independence. BBC MS(c)

### .....FLASH INSERT .....

Radio 'B' (formerly Radio Bosom) 950 Khz  
from the University of Auckland will  
broadcast for three weeks commencing  
23 February. Transmission hours - Monday  
to Friday 4.p.m. to 11.p.m; Sundays  
2.p.m. to 8.p.m.

# Radio New Zealand

SCHEDULE EFFECTIVE FROM

7 MARCH 1976

EXTERNAL SERVICES DIVISION

OVERSEAS CLUBS - PLEASE COPY

### Pacific Transmission

1700-2000 on 6105kHz, 9655kHz.  
2015-0050 on 11960kHz.  
2230-0050 on 15380kHz.  
0100-0545 on 11845kHz.  
0600-0845 on 6105 & 9585kHz.

ALL TIMES ARE G.M.T.

### Australian Transmission

2015-2210 on 11960kHz.  
0100-0545 on 15380kHz.  
0900-1130 on 6105 & 9520kHz.

### Calling Antarctica - Sundays

0100-0145 on 11705kHz.

ANDORRA is apparently back on SW.  
Radio Andorra has been heard with  
sign-on around 1100, since 16/12 on  
5995kHz. J.Roussarie SCDXers

VATICAN RADIO is installing a 500kw  
Telefunken SW transmitter at Santa  
Maria di Galeria, 18km north of Rome.  
This is a 1038 acre "extraterritorial  
enclave" of the Vatican City.  
The world's largest rotatable anten-  
na will also be erected, consist-  
ing of 2 79m towers linked by a 85m  
bridge, turning on a pivot. SCDXers

BLACK ROSE is the name of a new pir-  
ate organisation based in Liechten-  
stein which will apparently use the  
studios of Radio Northsea and trans-  
mit from a ship located near the  
only currently active sea-borne  
pirate "Mi Amigo"(Caroline) off the  
English coast. Full coverage of  
Western Europe is planned. SCDXers

SPANISH SAHARA On 13/12 Rabat Radio  
announced that the El Aaiun broad-  
casting station had begun transmitting pro-  
grammes from the Broadcasting Service  
of the Kingdom of Morocco. The hi-power  
25 metre band transmitter which was well  
heard in NZ appears to have been closed  
down and the BBC MS reports reception  
only on 650kHz and the point-to-point  
feeder service to Villa Cisneros 4626  
kHz, with almost all programming now in  
Arabic. However RNE Madrid's main news  
bulletin in Spanish is relayed at 2100.

RADIO NZ's External Service receives a  
steady flow of mail from around the  
world but you might wonder about the  
letters which fail to arrive, in the  
light of some of the addresses used:  
In recent weeks a report was received  
addressed to Radio Moscow, P.O.Box 98,  
Wellington, while another was marked  
for attention of the Eternal Services  
Division! Wishing thinking? BC