



# NEW ZEALAND DX TIMES

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

VOLUME 29 No. 2

OCTOBER 1976

## SWL'S FIND A FRIEND

Further to our front page article in July, and as indicated briefly last month, the Voice of America has heeded the wishes of the international SWL and DX fraternity by agreeing to resume the verification of reception reports with the transmitter location included on their QSL card. This move follows the simplification of VOA identification procedures to the extent that transmitter sites are no longer announced over the air, and is largely the result of concern expressed to the US Information Agency (who run VOA) by US Senator Gary Hart of Colorado.

In a letter to ASWIC and NASWA, Senator Hart confirms that the new VOA QSL policy is:-

- 1) Sites will continue to be listed in the VOA's Frequency Schedule, which will be sent to anyone requesting a copy.
- 2) After ascertaining the correct site from the Frequency Schedule, include the site in your QSL report, along with a request for verification of the site.

He continues: "With luck the new procedure will enable beginning and advanced DXers alike to verify sites, from Greenville to Monrovia and Rhodes, while still saving the VOA's tight budget."

In the words of the VOA: "While we do not expect to make any significant changes in our present procedure, we do recognise the inconvenience to collectors of QSL cards. In an effort to be responsive to listeners' interests, we are now willing to show the transmitter location on the QSL cards, if the location is included in listeners' reception reports submitted to VOA".

The Frequency Schedule referred to is certainly a valuable reference for any SWL or DXer, listing all VOA frequencies in tabular form, with transmitter sites, powers and hours of operation. The Schedule is issued 4 times a year, coinciding with the seasonal frequency changes, and is distributed in NZ by the USIS, P.O.Box 1190, Wellington. In the past, it has not been easy to get on the mailing list for this specific publication, so we suggest you emphasise that you require a Frequency Schedule as opposed to VOA Programme Schedule. The next edition is effective from 7 November.

Our thanks go to Senator Hart for his initiatives on behalf of SWLs and DXers.

## In a Nutshell

- +NEW BEC RELAY ON THE AIR!
- +STANDARDS OF REPORTING.
- +ANDORRA HEARD AGAIN ON SW!
- +SOLAR ECLIPSE MORE DETAILS.

## summer time

A reminder that daylight saving begins on 31 October in NZ and Australia. But for the DX Times, there will be no change - all times and dates remain as GMT. Take special care with your contributions to ensure only GMT is used.

Cont. Page 2


CLOSING DATE FOR NEXT ISSUE: MONDAY 1 NOVEMBER. SEND DETAILS OF YOUR DX, LABOUR WEEKEND LISTENING, QSLs & B-O-Ms TO P.O.BOX 2956, WELLINGTON, NZ.

# FROM THE BRANCHES

**SOUTHLAND** The September meeting was held at Irene Simpsons with 11 present and a welcome extended to Leo Mazembeck, returning to the hobby after several year -s absence. Discussion covered competition handicaps, working bee for Tiwai, AGM at Oamaru, and other routine matters. After a DX chat, competition results were judged as follows: Broadcast - Ray Crawford HCJR3 1555kHz 10kw, Rest of World Eric McIntosh Baghdad 1337 20kw, Consolation Arthur Cushen KVAC 1490 1kw Shortwave - Arthur Cushen ETLF 9510 and Paul Aronsen Kenya 4885.

**NORTH OTAGO** The September meeting was held at the Branch Listening Post, with most of the evening being devoted to finalising arrangements for the League's AGM, to be held in Oamaru on 16 October. These include a smorgasbord luncheon prior to the meeting, and films and Archive display in the evening. Competition Results - ECB over 1050: Paul Ormandy Sharjah 1575; under 1050: Paul Rosie Noumea 670. Best A/NZ and Lowest MW power: John Blondell 5DN 970. SW to Paul Ormandy with RN Malagasy 17810 and Zaire 4880kHz.

**WELLINGTON** The venue for the September meeting was the Physics & Engineering Laboratory of the DSIR, with 10 attending. Following discussion of branch business, DSIR staff gave members a guided tour of the facilities of the Time and Frequency Section, the home of standard frequency station ZLF. Competition Results: Fred Humphries with Lagos 4990. The next meeting will be a weekend DXpedition to Tatum Park, Manukau (site of the 1976 Convention) on 29-31 October. The meeting proper is timed for 1430hrs on the Saturday afternoon. Any Wellington area League members are welcome to attend. If you wish to register, contact Paul Rawdon, 70 Copeland Street, Lower Hutt (telephone 678-389) by 15 October, advising which nights you wish to stay at Tatum.

**AUCKLAND** Despite late publicity, 5  League members had an enjoyable get-together at Barry Williams on 19 September. It was an informal meeting and much was discussed, including comparison of receivers brought along - the popular Barlow Wadley and 3 Drakes, the SSR1, SPR4 and R4C. It was decided to hold a further meeting at 4 Kay Drive, Blockhouse Bay on SUNDAY 14 NOVEMBER. For further details, please contact Barry Williams, tel. 679-070 or Bill Huddleston 818-7868. We wish to hear from all Auckland members, whether DXers or SWLs. A carload of members will be heading for Ohope and the Bay of Plenty Branch weekend on 16/17 October.

\*\*\*\*\*

Continued from Page 1.

It is certainly rare to find a public official taking action on behalf of our hobby.

As space permits, the DX Times will publish extracts from the Schedule and will also provide identification of sites where requested by members.

Info from ASWIC & NASWA Hotline

## PACIFIC ASIAN REPORT

**NEW ZEALAND** Station 2YM Palmerston Nth 1410kHz 24 hours a day with the National programme, has increased power to 2kw.

Arthur Cushen

**AUSTRALIA** 2EA 800 and 3EA 1120 were integrated into the ABC from 1 October.

4GY Gympie 'The Sunshine of your Life' on 600kHz runs allnight at weekends, from 1930 Thursday thru 1230 Sunday.

3GL Geelong 1350 and 3XY Melbourne 1420 have lodged protests re interference from new 3MP 1380.

2GO 1310 and 3BA 1320 are both now 5kw and with directional antennae.

3CR is now using 1250w on 840kHz. Sked Mon-Fri 2030-2230, 0130-0300, 0630-1230, (to 1245 Monday), Sat 0600-1330, Sunday 0000-0400, 0800-1230. News daily 1000 & 1200. Amateur Radio News from W.I.A. on

Mondays 1215-1245 GMT. Ian StanleyNZDXRA

4AY Ayr 940, 24 hours a day, has been granted a 100w repeater to be located at Charters Tower. Frequency has yet to be assigned.

Arthur Cushen

**HELPING HAND** Chris Mackerell, 19 Mount Street, Nelson, will celebrate the end of Varsity exams by touring the South Island in late November, with a friend. He is keen to meet members and try DX. Can you assist? Write to Chris.

September, the equinox month, has produced some surprises on the band. Undoubtedly the highlight was Neville Henry's reception at Tiwai on the morning of 12 September, with 3 stations logged on 1475kHz. The first - Austria began fading out just after 1900 GMT. Then up came EAJ24 Radio Cordoba, Spain with 2kw, and by 1930 GMT the dominant station was 250 watt AFRTS Diego Garcia - a NZ first! Also from Invercargill, Ray Crawford comments that signals from Europe have been better than for quite a few years, with some stations being heard through what have been regarded as regulars.

In the North Island, evening reception from Europe is noted by Robin Chambers and your ed. Robin also has first NZ reception of Western Samoa's 1050 outlet. Up in Te Aroha, Robert Scott reports tentative equinox reception of Reunion 665kHz on the same morning that Neville was logging Diego Garcia down at Tiwai.

4XB, the short-term broadcasting warrant granted on the occasion of the Independent Broadcasting Conference at Queenstown in late September, provided a real DX challenge. Even in Invercargill, logging was very difficult with 2SM Sydney dominating 1270kHz most of the time. KNDI Hawaii and CMJG Cuba were troublesome here in Wellington. Ash Nallawalla advises that no special QSLs have been printed, but verifications will be issued on 4XO letterheads. A special 4XB sticker has been printed and is available on request. Power was 100w, advises P.Ormandy.

The government-owned Radio Cayman went into full operation on 22 July, on 1555 kilohertz, according to the BEC MS. This Caribbean Island, located between Cuba and Honduras, is a new country on medium wave, and with 10kw, reception in NZ should be feasible.

TENDERS

**BROADCASTING COUNCIL  
OF NEW ZEALAND**

**LOW POWER MF BROADCAST TRANSMITTERS  
IN THE POWER RANGE 50 WATTS TO 250 WATTS**

Transmitters are invited for the supply of the above and will close at 12 noon on Thursday, December 14, 1976. Copies of the tender may be obtained on application to the Supply Manager, BCNZ, PO Box 94, Wellington.

The adjacent newspaper clipping of late September, raises some interesting speculation on the future course of medium wave broadcasting in NZ, seeking the supply of 50 to 250 watt transmitters for the BCNZ. Low power synchronised networks could be a possibility perhaps?

Radio I 1590 in Auckland is looking for a new frequency, with 1330kHz having been suggested. This info from Fred Humphries & Douglas Doull. 3ZB Christchurch has partly contributed it's poor audience ratings to coverage difficulties so may follow Radio Windy in a move further up the band or to improved transmission facilities.

Across the Tasman, early concern about the move to high powered MW transmitters by Indonesia, may be justified. 6PM Perth is being forced to move from 1000kHz to 990 before the end of the year, due to the new 300kw RRI Jakarta on 999kHz causing heterodyne interference. Arthur Cushen notes Jakarta and also RRI Medan on 820kHz with 100kw. It is understood that a total of 9 new MW stations have recently been opened. Another two are probably those noted by your Ed and Chris Martin around midnight (see August Times). Robert Yeo, in the latest Down Under DX Survey, has identified these as RRI Jember 965kHz and RRI Surakarta 974kHz, both signing off at 1600 GMT.

Now to the mail....

DENE LYNNEBERG Wellington has reports out to Israel 656, VOA Kavala 791 and 4XB 1270. QSL'd are DZAS 680, Reunion 602, 665 and 3MP 1380.

NEVILLE HENRY Invercargill comes back to our pages with a good effort from Tiwai: Logs KVOO, KOMA, Bulgaria 1223, DW Malta 1570, 4XB, India 670, Austria 1475, Cordoba Spain 1475 and Diego Garcia 1475. Fantastic Neville!

JOHN ALLCHIN representing our Auckland membership, has returned from a visit across the Tasman with a Kenwood QR666 and logs of 2LT, NM, HD, XL, MO, LG, WN, GO, AD, BE, AY, KA, TR, CC, BS, MW, AN, 3AK, UZ, GI, MP, XY, MA, 4GG, TO, QN, JK, 5AU, MG, MV, 7NT and VOFA 1580. QSLs from 2KY, 3XY. You should be hearing those at home too John.

ASH NALLAWALLA Dunedin has reported JOB, AIR 930, Waikato, 2GN, 4XB. QSLs from Waikato & 6IX (ppc in 4 months).

ALEX WELLNERS Sydney has a QSL from Noumea 670 for country number 4.

PAUL RAWDON Lower Hutt also has a Ioner QSL - from XEROK. Waking soon?

RAY CRAWFORD Invercargill reports a good month for Europeans with logs of 4XB, 2GN 1370, Albania 1214, Cyprus 1095, RRI Jakarta 972, Israel Forces 1286, Ras al Khaimah 1175, Nice 1349, Austria 1475, TWR Monte Carlo 1466, Genoa 1578, Sginzano 1448, Iran 1340, Yugoslavia 1133, Bangladesh 1340, Dubai 1248, Somalia 963, Czech 1016 and OAX4U 1010. A couple of veries in from Iraq 1038, HCRT3 Guabo 1555.

LEIGH MORRIS Palmerston North proves that the Yanks are back for another season with reports out to KTWO, KOA, KOB, KPOL, KEX, CKLG, ZK1ZC, A3Z and a second to XEUR. (Leigh - if XEUR said they were pleased you could here them, I would consider that a QSL.) Veries from XEROK, PJB and Papeete. Above stations logged on National NC-140 with Sanserino Loop and preamp. Leigh recently purchased a Drake SSR1 which he finds excellent on SW but not performing quite so well on ECB. I'm sure many of us would like a user report on that set Leigh. Tx for info.

SUTTON BURTENSHAW Invercargill phones in his logs as TWR Monaco 1466, 4XB 1270 and 3MP 1380. Verie from 3XB.

BRUCE OFFICER Christchurch has a good postman to thank, with QSLs in from 3XF, 4QR, KVOO, KRLD, Radio U 1230, 2GZ, 4QN, QD. Reports out to 4QN, QD and WNOE. (A good one Bruce!)

PAUL EDWARDS Wellington notes that the Europeans are coming in well. Reports are out to Israel 737, Malta 1570 and 4XB 1270.

ARTHUR CUSHEN Invercargill has verified KVAC 1490, 2TR 760, Qatar 952. Reports to JORC 1370 & 4XB 1270.

DAVID FELDON Rotorua has a QSL from KFRC. Hope Ohope weekend goes well!

CHRIS MARTIN Sydney has been resting on his laurels with only QSLs this month: 3MP, 3CR, 2XX, KTSA, KCBQ, KTOM, Sibu 1060, Samoa 1050, Qatar 953, XEROK 800 (QSL no.500) and Brunei 895 (country 121). Ta!

BRUCE CAVANAGH Invercargill has logged 2JJ, HSKU 1345 and 4XB. Verie from 3LK. Yes, 4XB was really tough!

IAN WELLS Milton has QSL'd Fiji 710.

4 BRYAN CLARK Wellington has had a good month QSLwise with veries from YV5Z Exitos 1090, TIJC Sonora 675, HJPM Galeon 1450, Radio Jumbo 545, DW Malta 1570 (in 19 months, country 75), YVTU Vision 1330, OAX1L Imperio 1490 with 2 pennants. Reports to 3SH, 4XB 1270 and LRA6 Radio Nacional, Mendoza 960.

GORDON HUTCHISON Kaiapoi has reports to ZCR, 2KM and FIJI 560.

PAUL ORMANDY Oamaru has logged KORL, 1ZA, 2YW, CKLM tent. 1570, RMC Cyprus 1232. Verie from Cuba 600. 728 is Abu Dhabi but think an ident is minimum requirement for any report. Write to Des Wright Ltd in Auckland re Drakes.

TED OSBORNE Wanganui is presently connecting an Eddystone 680X up to his 250 ft longwire. Reports 7SD. QSLs 5CL, 6WF. Good luck with set, Ted. Tried a loop?

KEITH ROBINSON Kapuka has verified DWRF and logged 4BH, 3MP, 2GN and 4XB.

ROBIN CHAMBERS Opunake has reports out to KTOM, Turkey 926, Bulgaria 827, 1223, DWWW, Mersing 1055, R.Valencia 773, Belgium 926, Dominica 595, Samoa 1050. QSLs KXYZ, Reloj 1025, 6XM, 3MP, KRIO, CMJL 742, Gorakphur 910. Good, Robin. Ta!

### BEST OF THE MONTH

SENIOR: HJDZ Radio Reloj, Colombia.  
1kw 157pts. Robin Chambers

JUNIOR: CMKW San German, Cuba.  
150kw 110pts. Paul Ormandy

### M I D D A Y D X T R A I L

A daytime trail, contributed by Robin Chambers, Opunake, showing us what was heard between 2340 and 2400 on 16/9.

540 4QJ fair	740 2BL strong
550 2CR good	750 4QS mixed 3ZA.
560 2ML poor	770 3LO poor.
580 4QR strong	790 4QG excellent.
590 3WV fair	800 2EA Eastern music
600 7ZL over	fair.
4--?	810 2BA good.
610 2FC exc.	830 3GI over 1YX.
620 3AR good	850 2CY good
650 2NU fair	870 2GB strong
670 Noumea	900 2LM good
strong.	910 4QB fair
680 2KP exc.	950 2UE good
the best.	960 3BO fair.
690 4KQ in 3YA	1020 2KY good.
null.	1110 2UW good.
700 2NR strong	1170 2CH good.
710 7NT fair	1230 2NC strong.

1270 2SM fair.  
1450 2WL fair.  
1510 2NA good.  
1580 2WN good.

# BROADCAST TRAIL 5

## EVENING

- 540 Tropicana good idents 0700. RCh  
 CBK also good 0700. RCh
- 545 Radio Jumbo carrier strong 0935 "
- 555 Carrier good 0920 but soon faded 14/9. ZIZ?Roseau 595 too." RCh
- 590 KGMB fair signal 0630. TO
- 600 ZK1ZC 'NZ Top 10' good 0620. LM
- 680 KNBR exc 0610.RCh. Fair 0615. TO
- 740 Papeete strong in FF 0635. LM
- 770 KOB very good with pops 0640. LM
- 773 "Radio Valencia" fair in SS 0546-0605. Ident 0548 15/9. RCh
- 860 Unid Yank under 1YZ 0547 9/9. RCh
- 900 CJVI over 4YC 0610-0615 24/9. RCh
- 917 Unid fair-weak 0558-0602 16/9.RCh
- 944 Unid weak with music 0604. RCh
- 953 Unid here 0605 15/9,16/9 poor.RCh
- 960 LRA6 Mendoza mixed 3YC 0635-0715 23/9. OAX4D underneath. BC
- 990 KKIS very good 0710. RCh
- 1034 CSB2 very good 0545-0610 15/9.RCh beautiful tape of Lisbon here 0615-0632 23/9. BC
- 1050 Western Samoa often over NZ 0630-0650 19/9. Pop music at 0700.RCh
- 1080 KIOE good at 0630. LM
- 1223 Vidin,Bulgaria fair-good 0540.RCh
- 1225 TIPJ Victoria fair 0540.RCh.Late?
- 1260 Strong Yank with variable tone on ET 0540 9/9. Who? RCh
- 1270 KNDI good in JJ 0745.No 4XB. LM
- 1268 SS by woman 0615 15/9, poor. RCh
- 1300 KOL good 0600. RCh
- 1320 CHQM wx 0707, fair. RCh
- 1390 KCEY sports nx, good 0845. RCh
- 1394 Albania 0620 15/9 poor.Fair 16/9"
- 1420 Apia fair,hetting with Vila 0625 4/10,till 120 back 0646. BC
- 1450 XESA Radio Fiesta s/off 0759, fair.PO (Listed as XESS Paul)
- 1470 XEBBC EE/SS mixed XESM 0535. RCh
- 1540 KPOL nx & fine mx, 0700 good. LM
- 1578 CSB5 good 0620 15/9.RCh. 23/9. BC
- 1594 CSB4 good in peaks 0620 15/9. RCh
- 615 Peking on Chairman Mao 1630. PO
- 620 DWWW strong to s/off 1603. RCh
- 625 North Korea exc 1720.Also 635. "1625, also on 655,735,800,849.PO
- 638 Strong Arabic 1835. RCh
- 665 Reunion? in FF fair-good 1815-1821 12/9, fading. RS
- 665 Russian good 1540. RCh
- 683 Kustanay fair-good 1540. RCh
- 701 BBC Masirah AA strong 1610. RCh good signal 1845. TO
- 705 Thai here 1630 fair. PO Unid s/off 1802 with religious type anthem, very good. BC Unid in Thai 1800 talking abt Cambodian govt.Off 1802 with song, not the Thai anthem. RCr
- 719 BBC Cyprus strong in AA 1835.RCh
- 728 Abu Dhabi exc 1540.RCh. 1830 good in AA.PO. 1801 clear. BC
- 737 Israel in FF over Poland 1828RCh
- 740 HLGK good Korean //710, fair. PO
- 770 Iran good here 1750. RCh
- 773 Cairo exc 1755.RCh 1845 regular. also on 620. TO
- 782 Tartus fair in AA 1835. RCh
- 803 DXBI? Tagalog s/off 1557 weak.PO
- 809 Skopje fair 1835. RCh
- 810 Extremely powerful CC 1755. RCh FEN Tokyo EE ident 1630. PO
- 818 Cairo excellent 1840. RCh
- 827 Varakel good peaks 1825-1900 //1223 on 8/9. RCh
- 830 KIKI strong 1420, vg 1548. RS
- 850 Nth Korea very powerful 1755.RCh
- 854 Bucharest good 1900. RCh
- 856 Powerful Easterner-Amman? 1835."
- 855 RRI Mataram here strongly 1336 per Robert Yeo in ADXN 14/9. Add this to info in intro.Ed.
- 880 JOPK comedy in JJ 1635,fair. PO North Korea strong 1755. RCh
- 900 Taiwan CC mx 1630 very good. PO DYRC with pops 1808.Exc on loop.
- 903 Unid Korean, fair 1630. PO /RS
- 926 FF sports cntry-Belgium? 1830-1845 16/9, fair. RCh
- 955 Burma fair at 1538. PO
- 963 Somalia 1815 mixed with middle European lang,unid. Don't confuse 963 with 960 - Syria? RCr
- 944 Ethiopia fair 1825 15/9. RCh
- 985 Kermanshah good at 1730. RCr
- 998 Kishinev good 1845. RCh
- 1055 Mershing,Malaysia fair 1615. RCh
- 1065 Unid Indonesian quite strong 1300 to 1700. Another one! RCr
- 1095 Bayrak,Cyprus fair, but splash Czech 1097. RCr
- 1115 Italian, fair 1800. RCr
- 1124 Libya good 1700.RCr.1745 gd. RCh
- 1130 All India Radio strong 1530. RCh
- 1133 Kuwait fair-good from 1530. RCh Yugoslavia mixed 1830 2 days.RCr

We pause to thank this month's Trail Contributors: Robin Chambers, Leigh Morris, Ted Osborne, Paul Ormandy, Bryan Clark, Ray Crawford & Robert Scott.

## MORNING

- 548 Vladivostok excellent 1645. RCh
- 550 KMVI exc 1545.Bombay strong 1645." RCh
- 556 Unid here poorly 1725. RCh
- 575 USSR good with classical mx.Also on 584,593,647,674kHz. PO
- 600 Cook Is solid sigs 1630-1830+ RS
- 610 Kremlin Bells fair 1759(611.RCh)BC Bangalore good 1720. RCh

**LATIN AMERICAN ECB NEWS**

With the season for Central & South America practically over, here are items on hand for publication:

JAMAICA RJR is now all-night, possibly NSP, on 550, 580, 720 and 770. Programming is similar to ZNS1's all-night show. Ron Schatz NRC

COLOMBIA Ecos del Combeima HJKD is now on 7020kHz. Ernie Cooper NRC  
New RCN network stations are La Voz de Santa Marta in Magdalena Dept and La Voz del Progreso, Cucuta. BEC MS(c)  
HJDQ 1020 is 10kw. HJAI 1040 is 15kw. HJZI Radio Fantasia 1550 is 15kw and 24hrs. HJAT La Voz de la Costa, Barranquilla is sked 1030-0500.

WRTVH NL

PANAMA Radio Cristal, heard in NZ on 7320kHz has now moved to 1340. WRTVH

PARAGUAY Radio Itapuri ZP19 660kHz is new. Radio Centenario ZP21 is on 1230 ex 1210. WWDXC

BOLIVIA Radio Guaypay, Santa Cruz is new on 1600kHz. BEC MS(c)

DOMINICAN REP. Radio Rurismo 1570 is new call for Radio Union. DSWCI

FUERTO RICO WKVM 810 is due for an increase in power to 50kw. Sunspot

NICARAGUA Radiodifusora Nacional at Managua is 100kw 620kHz 1100-0400. Radio Cima 1285 is new. WRTVH NL

COSTA RICA Radio Para-Ti 600kHz is 5kw. TIBB Radio BB 1180 and TIQ Radio Casino 1200 have swapped frequencies. WRTVH NL

VENEZUELA YVZR Radio Continental is now 10kw with s/off 0500. YVTW Radio Alegria 10kw ex Radio Chivacao. WRTVH

ECUADOR HCFR2 Radio Guayaquil, Apt 77 Guayaquil on 1325kHz 2kw 1100-0500. HCIC6 Radio Nuevos Horizontes is new with 5kw 0900-0400.

COLOMBIA Ondas del Caribe 840 is now 30kw. La Voz de Medellin is reported on 1030 ex 990. Ondas del Valle 1090 ex 1190. Radio Reloj 1420 ex Radio Bahia. Radio Majajual 1420 is 10kw. DSWCI via WWDXC

BRAZIL A new frequency plan was to take effect at midnight local time on 3 October 1976. Any stations not ready for the changes would have to leave the air. When space permits, we will publish details of the main changes. via Ron Schatz NRC

MORNING BROADCAST TRAIL continued

- 6 1142 Possibly a Russian, fair 1903.RCh  
1175 Ras al Khaimah fair 1830. RCr  
1205 Israel mixed Bordeaux 1930. RCr  
1214 Albania with EE news at 1700.RCr  
Unid fair mxd Tirana 1815-30.RCh  
1223 Bulgaria always gd 1715.RCr.  
Excellent at 1900. RCh  
1232 RMC Cyprus good 1645.RCh. FF. PO  
1248 Dubai fair with nx 1700. RCr  
1250 Sangli under Chinese 1705. RCh  
1259 VOA Rhodes strong 1645.RCh.  
1802 news in Arabic. PO  
1277 Strasbourg fair 1830. RCr  
1286 Israeli Forces fair 1800. Mixed  
with Czech later. RCr  
1295 Dushanbe good at 1645. RCr  
1340 Bangladesh EE nx 1700 mxd Iran." RCh  
1345 Kuwait good 1905. RCh  
1349 Nice poor to fair at times 1730. RCh /RCr  
1367 Russian good 1825. RCh  
1376 Lille 1800 good.RCr. Mx.vg. PO  
1448 Libya good in AA 1710 15/9. RCh  
Italy good 1800. RCr  
1457 Rumania very good 1905. RCh  
1475 USSR, Austria & others here  
between 1630 & 1945.RCr. USSR  
Kremlin Bells 1830, then CC. RCh  
1493 USSR fair 1720.PO.1815 vg,must  
be Far East site per loop bearing  
and regularity.BC.1830 CC."  
1439 Luxembourg quite good 1830. RCr  
1466 TWR Monte Carlo s/on exc 1900."  
1502 Poland fair signal 1905. RCh  
1546 Russian good 1750. RCh  
1554 Nice, regular.RCh.1755 vg in FF.PO  
1570 DW Malta EE annc 1900, vg. TO  
1575 Sharjah exc 1630.RCr.1750 gd. PO  
1578 Italian good 1820. RCr

BROADCAST MAILBAG - Late arrivals

DAVID RICHMOND Christchurch has logs of 2GN 1370 and 4XB 1270. Veries are KSON 1240 and KWUN 1480 (Special IRCA 1976 Convention QSL). Thanks David.

ARTHUR WILLIAMS Invercargill advises QSLs from 3XB, XEROK & JORR. Reports to 4XB, Israel 737, TWR 1466 and DW Malta 1570. Thanks for offer.No cost.

IAN CATTERMOLE Blenheim has reported 12M, 3ZC, KTWO and KOA. Veries from KFAB, KVOO, 12N, XEROK, Fiji 1320,1470. Latin QSL list appreciated but we are holding publication till end of year and season. Will use your list as basis then. Yanks should be improving.

XERF POWER BOOST? Religious broadcaster Inter-American Radio Advertising says authority granted for 500kw on 1570kHz by Mexican Govt. L.Morris

# CAN-AM REPORT

Broadcast Band News from Canada and the Americas - North, Central & South. 7

- Recent changes in the USA and Canada, courtesy NRC's DX News and IRCA's DX Monitor. Times are ELT (Eastern Local Time) thats GMT -4 till 31/10, GMT -5 through till next March.
- 550 CKPG BC is 24hrs NSP
  - 570 CKWL Williams Lake, BC here ex 920. CHYM Ont wants 5/10 kw here ex 1490. CKSW ex 1400 wants 10/10kw.
  - 610 CHNL BC is 10/5kw NSP. Seeks 50kw days
  - 620 KWFT Tx sked to 0100 WVNJ NJ s/off 0215 ELT.
  - 710 CFRG Sask to 690kHz
  - 740 KBRT new call for KBIG. Daytime sked KTRH CBS net is sked 0458-0130 ELT.
  - 770 KOB has been directed to change it's directional antenna pattern to provide more protection to WABC. Interesting to see how this will effect their fine signals in NZ.
  - 790 CFCW is NSP 24hrs with country mx. KGPD Calif granted new call KXQR
  - 800 CJJC now MOR format
  - 850 KTIM Calif requests move ex 1510 with 5kw/1kw. CKRD Alberta 24hrs KOA is CBS network CFVR BC seeks 10kw here ex 1240
  - 860 CFWS Sask ex 1170
  - 890 New St George, Utah granted 50kw here
  - 910 KITT going allnight KJJJ Ariz 24hrs NSP KIXI Wash is 1kw D nights
  - 920 WKYD new call exWCTA KITT Wash. granted night operation & unlimited hours.
  - 930 KSDN Aberdeen, Sth Dakota 5kw/1kw.
  - 950 KMTX Helena, Montana 5kw/5kw approved
  - 1010 KIQI Calif seeks 50 kw days, 25kw nites DA2 from Hayward. KKIK Tx ex KAWA
  - 1020 KGBS planning call-sign change.
  - 1030 KTWO sked to s/off local midnight. WKZE San Juan, PR 10 kw nite seeks WOSO.
  - 1070 KERR Polson, Nth Dak-ota 25/1kw auth.
  - 1080 WVCG Fla 10/10kw U4 had till 30/9 to get new facilities on the air. WFIV Fla seeks 25kw/2.5kw DA2.
  - 1090 KBOZ Montana 24hrs.
  - 1110 WQYK Tampa, Fla 10kw days granted WTIS. KPOP Calif has new nitetime directional antenna to west. WZAM Norfolk, Va auth with 50kw days.
  - 1130 WDGY Mn had till July to get 50kw U4 on the air.
  - 1150 KDEF NM seeks KNWZ with 5kw/0.5kw
  - 1170 KPUG Wash. granted 10/5kw DA at night.
  - 1190 WGCA Tenn CP cancel.
  - 1260 CFRN is now NSP.
  - 1270 WUOK Maryland has new call WCBC. KFJZ Tx CP 5/5kw U4 & granted new site and antenna. KDJI Ariz seeks 0.5 kw nights, D.
  - 1300 KVOR Colorado 24hrs KPTL Nevada sked off 0300 ELT Mondays.
  - 1310 WICH Ct seeks 5kw N.
  - 1320 CFGM Ontario wants 50/50kw ex 1310. WVOJ Fla is NBC net. WCOG NC is 24hrs.
  - 1360 KNWZ Ariz ex KRUX. WGEE Wisc is 24hrs.
  - 1380 WGSE seeks WBIC. KUDL Kansas is in NBC's NIS network WLCY now ids location as St Petersburg-Tampa. KTSM Tx off 0307. KGMS, 937 Enterprise Drive, Sacramento, Calif 95825 sked to s/off 0307 ELT.
  - 1410 KDOX Tx seeks KKYR
  - 1430 KALI now s/off at 0100 ELT. WQPD Fla is 24hrs. KARM Calif is in NBC's NIS network KEGF Calif 1kw days granted call KNTA. KESB seeks 5/1kw.
  - 1450 KEST Calif is 24hrs SP Mon 0300-0900. KYOR Calif UPI net to 0200ELT Mon-Sat KAVA Calif to 0100 ELT Mon-Sat. KOWN Calif 24hrs, off Sun 0400, Mons 0200 ELT. KOCO Calif 24hrs. Sometimes off Mon at 0300 ELT.
  - 1460 KTYM seeks 0.5kw N.
  - 1480 KWIZ seeks 5kw nite.
  - 1490 WROL Tn seeks WKVQ WYKR Wells River, Vt 1/0.25kw granted. CHPG Prince George, BC on //CBU 690.
  - 1510 WJIC NJ seeks 2.5kw night operation.
  - 1520 WGOR new call for WANR Toledo, Ohio.
  - 1530 KNIE Wyoming now all news like KFBK. 1kw night with new call KRNK granted. WRBX NC seeks 10kw. WKYK has decided to stay with MoR, not changing to C&W mx.
  - 1600 WRBN Ga seeks WQCK.

NBC's NIS (News & Information Service) all-news format, as heard on KFBK 1530 provides for local station inserts like ids, slogans, jingles & time checks, at 9, 11, 14½, minutes past the hour; local adverts at 20½ to 23, 39 to 41, 44½, 50½ to 53 minutes past the hour. Apart from the hour and half-hour, these are the times to watch for local ids. 30 to 36½ mins, is stations own time. NRC

# Reporting standards

by Robert Chester  
Medium Wave Editor,  
Australian DX News.

8

From time to time there is mention in this magazine of standards to be used in reporting to stations. I'm sure that all of us at some time have sent reports which are below the acceptable standard and have had them rejected. The following letter was received from the manager of 4MK Mackay:

"I have been dissatisfied with the method of logging and would like you, through your official journal, to outline to members some suggestions that would make it easier for us to issue cards with a clear conscience.

For example, in today's mail from a listener asking for a QSL card; all he gives as a programme is "music and commercials" which scarcely proves to me that he was, in fact, listening to 4MK.

Another very important feature is that this station does not keep a musical log and I doubt whether any other provincial station does, so that to identify a time for a particular disc doesn't mean a thing except that we would know from our play-list that these items could have been broadcast.

What we look for is:

1. Identification of commercials by product or client.
2. Place or street names.
3. Announcers' names.
4. Programme presentation that may be peculiar to the particular station.

In logging our sign-off announcement at 1400 hours it would be very simple to put in the studio street address and the transmitter location which would serve as a positive identification to us. Another example is weather forecasts. We would recognise the area quoted in the forecast. In station jingles there is sometimes a particular wording which would serve as an identification.

I hope that from this you will be able to put a feature in your magazine instructing members to obtain a positive identification."

N.B. Jackson, Manager.

The requirements vary between stations, so I would advise all members to put in as much detail as you possibly can. Identification announcements should be quoted in full, as well as station jingles, telephone numbers, etc. A tape recorder is a great help in this respect. It is better to quote too much detail in a report than not enough. You'll also find that your mind will be at ease when you get that QSL back, as you'll be 100% certain that you heard the station. Always quote at least two identification announcements, and more if possible. Just because you're an experienced DXer, that doesn't mean that you're beyond reproach. I've been DXing for 17 years, but it took a report to 4MK to remind me that I was getting a little lax in my reporting standards, even though the report would have been acceptable to 99% to other stations.

Slightly abridged. Acknowledged with thanks to Australian DX News & ARDXC.

**TV X  
FM D**

F2 LAYER PROPOGATION (Part IV of a series by Brian Oliver.)

In July we dealt with propogation with signals reflected from the E layer but there is a further reflecting surface even higher, known as the F2 layer. This is only really active on or near the sunspot maximum (due about 1978) and can produce very long-distance reception, up to 12,000 miles, on Band 1.

Although it is more 'international', opportunities for taking advantage of F2 DX are rare, unless the DXer modifies his TV receiver to suit the signal standards of the country he wants to receive.

We will have to wait a couple of years though, but the best periods will be during the winter months of the sunspot peak, with hopefully, daily reception. More about it closer to the time.

Our next article will cover the phenomona of Knife Edge Bending.



## 9 BROADCAST

## LEAGUE LADDERS

## SHORTWAVE

DIVISION	Jun	Oct	Inc	Cat
<u>GOLD STAR(Over1250)</u>				
Norman Maguire	2858	-	-	-
Arthur Cushen	2207	2214	7	141
Merv Branks	2090	2091	1	132
Keith Robinson	2056	2065	9	110
Laurie Boyer	1270	1285	15	-
<u>GOLD ACE(1001-1250)</u>				
Ray Crawford	1043	1064	21	122
<u>SILVER ACE(751-1000)</u>				
Eric McIntosh	908	-	-	84
Sutton Burtenshaw	843	850	7	92
Robin Chambers	-	833	-	-
<u>ACE (501-750)</u>				
Dene Lynneberg	679	695	16	83
Graeme Shillito	624	-	-	64
<u>SENIOR(301-500)</u>				
David Ricquish	488	503	15	47
Chris Martin	470	481	11	120
Paul Aronsen	414	432	18	-
Ray Babbage	391	394	3	30
Hank Wilkinson	387	-	-	69
Bryan Clark	371	387	16	75
<u>INTERMEDIATE(151-300)</u>				
Lance Johnston	-	277	-	-
Paul Ormandy	244	266	22	39
Jim Benzoni	-	237	-	22
Alan Rebsen	207	-	-	28
Lindsay Robinson	201	203	2	26
Sinclair Bennett	193	-	-	10
Des Davey	168	170	2	-
<u>JUNIOR(51-151)</u>				
Jack Searle	144	162	18	18
Ash Nallawalla	142	155	13	17
Paul Rawden	126	137	13	17
Bruce Cavanagh	122	124	2	19
Gay Johnston	-	115	-	-
Andrew White	114	-	-	13
Michael Smith	114	-	-	8
Gavin Bennett	107	-	-	18
Philip Brooks	104	-	-	13
Graeme Hammond	97	100	3	11
Leigh Morris	-	79	8	12
John Allchin	74	82	8	6
Ian Cattermele	-	93	-	11
Philip Hope	70	-	-	10
Stuart Forsyth	60	-	-	5
David Felden	59	61	2	8
<u>NOVICE(1-51)</u>				
Jack Farrow	50	51	1	4
Steven Greenyer	41	-	-	23
Gordon Hutchison	-	36	-	-
Bruce Officer	32	-	-	-
Brent Allred	-	20	-	2
Alex Wellner	14	16	2	4

DIVISION	Jun	Oct	Inc	Cat
<u>GOLD STAR(Over 1250)</u>				
Arthur Cushen	4273	4319	46	228
Dene Lynneberg	1976	2034	58	186
Ray Crawford	1260	1277	17	144
<u>GOLD ACE(1001-1250)</u>				
John Nalland	1236	1259	23	175
Ray Babbage	1205	1207	2	121
Bryan Clark	1074	1092	18	167
John Durham	1052	1079	27	125
Hans De Jong	1005	-	-	89
<u>SILVER ACE(751-1000)</u>				
Bill Huddleston	973	1001	28	116
<u>ACE(501-750)</u>				
Lindsay Robinson	723	738	15	115
Jack Searle	685	724	39	102
Laurie Boyer	632	645	13	107
Des Davey	608	730	122	-
Eric McIntosh	612	645	33	110
Keith Rogers	-	567	-	111
<u>SENIOR(301-500)</u>				
Paul Aronsen	500	560	60	-
Jim Benzoni	438	451	13	88
Austin Hadler	410	423	13	71
Daryl New	404	-	-	94
Lance Johnston	-	391	-	-
Alan Robson	373	-	-	74
Paul Ormandy	339	402	63	101
Bruce Cavanagh	332	351	19	88
Steven Greenyer	306	-	-	117
<u>INTERMEDIATE(151-300)</u>				
Paul Rawdon	271	313	42	99
Brent Allred	168	300	132	46
Cecil Symes	257	290	33	67
Bob Boundy	251	-	-	58
Bill Vogel	217	244	27	100
Jonathan Aitchison	243	-	-	62
Jack Farrow	223	230	7	46
Michael Smith	218	-	-	55
Wyn Machon	162	218	46	61
Paul Edwards	184	207	23	100
Brian Melloy	181	-	-	47
Leigh Morris	-	123	-	60
<u>JUNIOR(51-150)</u>				
Alex Wellner	114	138	24	67
Ian Wells	121	123	2	56
Gary Butler	118	120	2	59
Graeme Hammond	109	110	1	27
Ian Cattermele	-	105	-	40
David Felden	95	101	6	27
Gay Johnston	-	94	-	-
Peter Mott	61	80	19	35
Ash Nallawalla	60	63	3	32
Andrew White	60	-	-	27
<u>NOVICE(1-51)</u>				
L.Missen	49	-	-	-
Bruce Officer	26	-	-	-
Gordon Hutchison	-	24	-	-

Welcome to new faces Leigh Morris & Gordon Hutchison. Hope you contribute on a regular basis. Ray Babbage....

DX According to NASWA - by Ed Shaw

This new 112 page spiral bound book contains chapters on antennae, accessories, maintenance, propagation, sunrise/sunset tables, optimum DX periods, exhalted carrier tuning etc. This publication contains much valuable information not found in other publications, and it can be thoroughly recommended for the novice or experienced DXer. It is available from NASWA, P.O. Box 13, Liberty, Indiana 47353, U.S.A. for \$US4-00. Leigh Morris.

DXCURSION AUSTRALIA '77 will probably have in its group CJVB Vancouver announcer Theo Donnelly. Theo has advised us that he will be down in New Zealand at this time (he is a former New Zealander) and is looking forward to teaming up with the "gang" from down-under.

A Guide to Soviet Broadcasting

SPEEDX have just published a 40 page book by Doug Snyder which contains chapters on Russian language identifications, Russian report forms, regional station sites, Soviet sites by frequency, and a map of soviet transmitting sites along with sunrise-sunset charts. The QSL policy is explained in detail. Price is \$US1.25 or 7IRC's plus 25c or 2IRC's for airmail outside the U.S. Order from P.O. Box E, Elsinore California 92330, U.S.A. Leigh Morris

RADIO MOSCOWS VERIFICATION POLICY

Concerning their policy of no QSL's unless the language spoken is understood, Mrs E. Stepanova advises: "We understand that the purpose of listening is not, and should not be confined to just going down the dial, picking up station identifications, and mailing a reception report in exchange for a QSL card. In fact it is listening to and comprehending part of a programme that SWL'ing is all about." "RM has numerous sections, and broadcasts in 64 languages. A lot of time is saved if the programme is correctly identified."  
Jim Scott, NASWA

Melbourne  
Shepparton  
Mildura  
Adelaide  
Port Augusta  
Coober Pedy  
Victory Downs  
Ayer's Rock  
Alice Springs  
Sydney



## 16 DAYS DXCURSION AUSTRALIA

1977

departing 4 May 1977

Features:

Radio Australia tour in Melbourne  
Radio Australia transmitter installation visit to Shepparton, and winery visit.  
DXer hospitality in Melbourne, Adelaide and Sydney  
Pre arranged visits to stations in Port Augusta, Adelaide, Mildura and Alice Springs.  
Radio purchasing opportunities.  
11 day AAT camping tour into the heart of Australia.  
Accommodation in Sydney and Melbourne in high standard motels.

Cost: \$880 N.Z. back to N.Z.

Prices commencing Melbourne and concluding Sydney are available on request for DX ers from North America.

Includes:

Economy class air travel return to Australia, and with TAA.  
Transfers throughout  
Accommodation throughout.

The 11 day AAT tour  
Day excursion to Shepparton; winery visit; all camping gear and meals, on the AAT tour.  
Cabin Bag; travel tax.

Does not include; items of a personal nature, departure tax.

Send for the brochure - or list yourself now for the holiday of a lifetime - based on the outstanding success of DXCURSION 1975 ! DXCURSION participation is not limited to League members - if any of the above components appeal - you're welcome.

DXCURSION AUSTRALIA  
P.O. Box 3160  
WELLINGTON

# BBC MONITORING SERVICE

Each fortnight, our SW Bandwatch Editor John Mainland receives the "World Broadcasting Information" newsletters of the BBC Monitoring Service. These keep us up to date with developments in all fields of broadcasting, and items of interest to SWLs and DXers are featured in the Times. The information is gleaned from the monitoring activities of the Service, without a doubt, some of the most professional DXers around. From G.A. Weston, Chief Monitor, World Schedules Section, comes the following data on their operation.

"All monitoring is carried out at Caversham Park, where an omni-directional wide-band aerial system feeds some 50 receivers including Eddystone EC10s and Drake SPR4s. In my own section, we use Racal 17s and an Eddystone EC958.

Some 4 miles distant is an engineering out-station using Racal 17s and 1772s, and some old BRT 400s. These are fed by beverage, inverted Vs, rhombics and an easterly curtain. Audio from these receivers is fed by line to Caversham Park for monitoring purposes. Additionally at this out-station are the facilities for picking-up and relaying certain programmes of the VOA and CBC to BBC transmitters. This service employs enormously expensive Plessey synthesized receivers and a computerised switching console. Also, a number of observations are made at this station for the EBU and ITU, and at the request of foreign broadcasters for reception reports.

At Caversham Park the number of staff is about 350, of which more than a hundred are monitors in English and some thirty foreign languages. There are also about sixty Engineering staff.



## 10 YEARS AT KIGALI

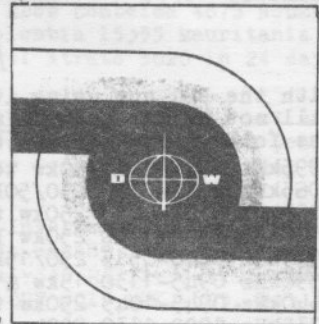
On 24 October 1975, in the presence of General Juvenal Habyarimana, President of the West African republic of Rwanda, a reception was given in the transmitter hall of the Deutsche Welle relay station at Kigali, on the occasion of the 10th anniversary of the site.

In his address, Walter Steigner, Director General

of the "Voice of Germany" stated:- "For the Deutsche Welle in general, and for the Africa Service and its listeners in particular, the 24th of October 1965 is an historic date. On that day, exactly 10 years ago, the Deutsche Welle relay station put it's first broadcast on the air. It was also the first time that a Deutsche Welle transmission was relayed to our listeners from outside Germany." The finale of the celebrations was a festive evening performance on the Deutsche Welle premises. Numerous Rwandan personalities from the political, cultural and economic sectors of the country took part in the event, as well as German nationals employed at Kigali.

In summing up it can be stated that the Kigali relay station of Deutsche Welle, with it's two 250kw transmitters, has very well stood it's 10 year test period. It will remain irreplaceable in coming years, as far as catering to African listeners is concerned.

via JM



## SOLAR ECLIPSE UPDATE

12

Further to last month's front page info, late amendments to the coordinated monitoring procedures for the solar eclipse in late October have been received from the American SW Listeners' Club. Firstly, the previously announced Radio Australia frequencies are no longer to be monitored as part of the project. Monitoring applies to ABC Perth, ABC Sydney, ABC Melbourne and VNG only.

The requirements to qualify for the special verification of participation in the project are:

- 1) Quantitative measurements of signal strength at 2 - 4 minute intervals during the indicated monitoring periods on at least 3 days: October 22, 23 & 24, 1976, along with details of fading, interference, noise and programme details are most desired, but SIO, SINPO or S-meter readings at 2 - 4 minute intervals will be accepted. Graphs of average signal strength are acceptable.
- 2) Full details of receiver and antenna placement are required. Monitoring should be done with one receiver and one antenna per frequency. Antennas with one degree of polarization (vertical or horizontal or inverted L type) are preferred.
- 3) Monitors who complete the project requirements for both an Australian frequency and a frequency of Radio Tanzania will receive a special verification. (Radio Tanzania 3339, 4785, 4825, 5050kHz are to be monitored between 0300 and 0500 GMT, but reception in NZ would seem very unlikely. Ed)
- 4) To be verified, reports must cover the 3 days at least, and the entire monitoring periods (see last month's Times) and satisfy items 1 and 2 above.
- 5) Only monitoring of the ABC frequencies and times listed in last month's Times are required.
- 6) Reports should be addressed to:- Dr David Meisel, Dept of Physics and Astronomy, Greene 209, State University College, Genesco, NY 14454, USA. Deadline for receipt is 31 December. Verifications will be dispatched in January 1977. ASWIC "SWL" 9/76

## BBC / DW Caribbean Relay

With the BBC now using it's new relay facilities at Antigua, Deutsche Welle will not be far behind, with tests due very shortly. Dene Lynneberg provides the following tentative schedule on which to base your searching for them:

5995kHz 0945-1045 50kw to Latin America, 6040 0115-0200 250kw to Nth America, 6065kHz 0515-0600 250/50kw Nth/C.Am. (German transmitter site on same freq.) 6085kHz 0145-0600 250kw to Nth Am. (Sackville relay 250kw sked here too) 6100kHz 0600-1130 250kw Latin Am. 6145 50kw 0600-0945 & 250kw 0945-1045 L.Am. 9545kHz 0400-0515 250/15kw to L.Am. 9605 1230-1400 250kw to Latin America. 9590kHz 0945-1130 15kw & 2115-0115 250/50kw to L.Am, 0115-0200 50kw to N.Am. 9640kHz 0945-1045 250kw to L.Am. 9680 2145-0200 250kw. 9690 0600-1000 250/15. 9735kHz 1000-1130 250kw to L.Am. 9760 0515-0600 15kw to North America. 11765 0215-0400 250kw to L.Am. (100kw from Germany also sked at this time.) 11810 1230-1400 250kw to N.Am. 11970 1230-1330 15kw to North America. 15185 1145-1230 250kw to Latin America.

There is some possibility that the low powered transmitters (15kw & 50kw) are actually located at the second Caribbean relay site - Montserrat. Ed.

Latest published BBC schedules are - for Antigua: 6175kHz 0430-0730 with World Service to Nth America, 6195 1100-1330 & 2000-2115 World Service to Caribbean, 9765kHz 2200-0015 in PP to Nth Brazil, 0015-0415 in SS to Sth & C.America. The 50kw Montserrat site is scheduled to carry the World Service 2000-2115 on 9600 and 1100-1330 on 11790 to the Caribbean. Also in SS to N.W Sth America 0215-0415 on 6040kHz. WRTVH Newsletter & P.Ormandy

**NEXT** Details of an exciting  
**MONTH:** new SW receiver on the market in New Zealand.

**NEW VOA RELAY BASE?** According to a press report, US authorities are expected to approach the Lisbon Government with the view to establishing a relay base in Portugal.

# Shortwave Mailbag with Tony Marr

13

Another month has come and gone, and it's good to see some good veries in the lists this month. Notable amongst these would be Andorra 6200, Galei Zahal 2442, Grenada 15105, Tanafo 0989, to mention just a few. Country totals should be further helped along with the appearance of the BBC Caribbean Relay, now being well heard. Let's hope that Labour Weekend brings forth its traditional supply of good DX, too. Now to the mailbag:

RAY CRAWFORD Invercargill has pride of place with QSLs from CBC 9655 AIR Lucknow 0205 Grenada 15105 NHK 9585 Ecos del Combeima 4785. Hope those Brazilians come back.

DAVID FELDON Rotorua has them back from NHK 9505 and RA 7290 9770 15190. Thanks, more next time?

CECIL SYMMES Wellington has heard from Prana 7345 VOA Tangier 9660 Gvle 9500 DW 7150 after 20 months Sweden 11705. Better late than never, I guess....

BRYAN CLARK Wellington has 8 out, with replies from RA Carn 11905 15415 15190 RRI Banjarmasin 0250 in 11 months. Worth waiting for.

JOHN CAMPBELL Newcastle has a good selection Galei Zahal 2442 Zaracay 0090 Kediri 0000 Jombang 0472 Dili 0550 Pamekasan 0484 Situbondo 0577 Tanafo 0989 Gorontalo 4900 VL0RT 5250 Sibolga 5260 CKZN 6160 Andorra 6200. Some goodies there, John.

PAUL RAWDON Lower Hutt has QSLs from Oslo 15105 plus flag E. Sepik 0015 Cameroun 4972 ELWA 6075 SABC 0320 Manus 0905. Ta.

ALEX WELLNER NSA has them in from DW 11905 also after 20 months RCI 11750 RBI 11890 Sweden 9095 Kuwait 9555; and 0 out, too.

BRUCE CAVANAGH Invercargill has been busy with 17 out, and QSLs from RSA 4875 Peking 6290 with pennant, badge Malaysia 15290 Baku 4785 DW 7205 Mozambique 9620 Madang 0260.

BILL HUDDLESTON has 12 out and QSLs from RA 7290 VOFC 17090 BBC 0190 Veritas 10200 TRT 11880 Athens 6175 DDR 9005. Good to hear from Auckland, Bill.

PAUL ARONSEN Invercargill has 3 out and veries from TWR 7110, Kenya 4885 and FEBC 11890.

AUSTIN HADLER ChCh has QSL'd ORF 6015, 75335, 77770, Kiev 15505, FEBE 11810, USSR

MASAMI ONIZAWA Japan has some good veries with Tahiti 15170 Iran 11770 with pennant Lagos 15120 Chad 4904.5 RN 9715 Thailand 9655 Dominica 9505 also with a pennant. You're doing very well indeed, Masami.

DENE LYNNEBERG Wellington has 22 out and success with Centinela del Sur 4891 Santa Rosa 0045 SpeedX/HCJB 6100 HBX07 7440 TIQ 5954.

ARTHUR CUSHEN Invercargill has them from Malaysia 9750 6060 ETLF 9570 RNE 5955 9505 Pyongyang 7200 9768 Warsaw 6105 HCJB 11885 RNE 6100 6075. Thanks.

JOHN DURHAM Meremere has heard back from IBRA Cyclops 6005 Martinique 0015 Belize 0000 DZI9 7225 Ghana 4980 NHK 9670 Grenada 15105 Singapore 6155. Ta.

STEVEN GREENYER Invercargill has QSLed Cinco 5040 Ecos Combeima 4875 Noumea 7170 Nac Colombia 15055 Mauritania 4845 Ecos del Atrato 5020 in 24 days. Very nice.

ASH NALLAWALLA Dunedin has 0 out and 2 back RA 9560 Seoul 9640 with 2 pennants. Good to hear from you again. Keep up the study!

WYN MACHON Invercargill says he has had a "quiet month", and has QSLed RTM 15290 Praha 0540 RA 11905 7205 Tahiti 15170 6105 ORF 6015 NHK 9605. Not too bad, though.

PAUL ORMANDY has 04 away, and QSLs in from Oslo 11850 HJFE 4965 Peking 9080 11445 ORF 11870 6015 9770 RN Talata 17810 Zaire 4880 RNE 15125 11905 ORU 11005 Moscow 17720 9680 12050 9650 Vatican 11700 Kuwait 9555 and Noumea 0055 Bangladesh 21605 for countries 100 and 101. Terrific. congratulations!

KEITH ROGERS Lower Hutt has written 23 reports and QSL'd NSB 9595, NHK 15310, RBI 6040, RAI 9575, ORF 6015, AWR Malta 9635, BBC UK 5975, RA Carnarvon 15410 RA Shepp 9760, Bougainville 3322, East Sepik 3335, 9500, RCI 7155, 11720, 11915, Lagos 15120.

DES DAVEY Te Kuiti has 2 out, and has QSLs from RNE 11785 DW 9705 Lisbon 11905 6025. Sorry, but VNG qualifies as a utility.

IAN CATTERMOLLE Bienheim has a good lot with Praha 9540 7045 Singapore 0155 JOZ 6055 Banderantes 6185 Malaysia 15290 RA 5995 DZI9 7225 Tahiti 15170 11825 Kiev 9610 AFRTS 9700 YVMS 4880 Budapest 9585 RNE 6065.

JACK SEARLE Haumoana has them back from RNE 6075 RN 6020 IBRA Malta with pennant Moscow 11690 Tashkent 11700 15460 DW 5990 in 17 months and 2 new countries Oman 7155 Chad 4904.5. Very good, Jack.

BRENT ALLRED Motueka has QSLed HJAE 4905 PZK 4890 Peking 7005 9080 9460 11445 plus pennant RN Bon 11700 KGEI 5980 Nac Brasilia 11780 JOZ 6055 NHK 9505. Good.

LINDSAY ROBINSON Invercargill has 5 out and verifies from RA 9760 Korea 11860 Algiers 7245.

TONY MARR has found time to log a couple, and has QSLed Galei Zahal 2442 and Tanafo 0992 for country 202.

## BEST OF THE MONTH

### UNDER 9MHZ

Galei Zahal 2442kHz 1kw  
Tony Marr

### OVER 9MHZ

RN Talata 17010kHz 000kw  
Paul Ormandy.

Some more notes which I nearly misplaced...

BRUCE OFFICER Christchurch has them back from Sofia 9550 FEBC 15290 NHK 17000 Moscow 7100 15100 17700 plus a pennant Praha 7045. Good.

JOHN MAINLAND Wellington has 0 in Praha 15295 Man s 0905 Tanafo 0990.

IAN WELLS Milton has a loner back with Nac Brasilia 11700. Yes, exams are more important.

PAUL EDWARDS Wellington has a short but good list with Bougainville 0322 Guyana 0290 Cameroun 4972.5 Sierra Leone 0316 for 100th country ELWA 4770. Congratulations to you too on the century. Paul also reports that the Maldives deny using 0522kHz at all.

GORDON HUTCHISON Christchurch has just acquired a new receiver and has 13 reports away, so there should be some veries to report soon. Yes, the new aerial will be a big help.

## PENNANTS POST!

Again this month we have a good list of pennants included amongst the QSL returns. A lot of members are taking a special interest in this side of the hobby, so send us in descriptive details of any new pennants you are receiving (on a separate piece of paper). In this way we can all be kept informed of new station pennant -s being offered by international broadcasters.

## Station of the Month

The Broadcasting Corporation of China was founded in Nanking in 1928 and was then known as the Central Broadcasting Station. An overseas service was begun during the Sino-Japanese war period, and was heard widely overseas. In 1949 the Central Government of China moved to Taiwan and the BCC became responsible for both domestic and overseas broadcasting services. In 1965, the Overseas Dept was set up to intensify BCC's service to it's overseas public.

In recent weeks, the Voice of Free China, as the overseas service is known, has made frequency and transmission adjustments. English from Taipei is scheduled: 0200-0400 GMT on 9685, 15425 & 17890kHz, 1900-2000 on 9510, 11860, 15125 & 17720kHz.

Address reports to - The Voice of Free China, P.O.Box 24-38, Taipei, Taiwan, The Republic of China. JM

GHANA's External Service is currently only using 6130kHz according to a QSL received by ARDXC member Peter Bunn.

# SHORT WAVE BANDWATCH

coordinated by John Mainland

15



Bandwatch highlights this month include news that the BBC Caribbean relay is now operating in the 49 metre band; Radio Andorra has been heard on Sundays on their new frequency; Radio Korea has introduced several new channels; Libya is using the 16 metre band. Low frequency signals are still much in evidence, including a good number of Latin Americans.

ALL FREQUENCIES IN KILOHERTZ ALL TIMES ARE GMT (Add 12 for NZ Time)

<u>FREQ</u>	<u>TIME</u>	<u>COUNTRY</u>	<u>STATION</u>	<u>PROGRAMME &amp; RECEPTION DETAILS</u>	<u>INITS</u>
2468	1038	PAPUA NEW GUINEA	Radio Nthn Districts	poor in Pidgin, noisy.	BCA, BV
2850+	2007	NORTH KOREA	Pyeongyang	good in Korean with music prgms.	DW
2906m+	2037	INDONESIA	RKPKD Gresik	tentative id of Indo here, fair.	DW
3105+	1933	INDONESIA	RKPKD Sumawa Besar	poor with talks in Indonesian.	DW
3120	1208	INDONESIAN TIMOR	RRI Dili	good in Indonesian with Indonesian & Western pop mx prgm 13/9. Frequent ids with mentions of Dili. <u>BCA</u> 1350 Radio Dili s/off at 1400 via "Via Condios". <u>AC</u>	
3165	1644	INDONESIA	RKPD Kota Madya Surabaya	vg in II with popular mx till s/off 1700 after ids including R.Gelora Surabaya. 1939 Ident on 3164, fair. Late for Ramadan.	FE DW+
3204+	1945	NIGERIA	NBC Ibadan	with indigenous vocals. Ident 2000, fair.	DW
3223+	2035	SWAZILAND	Swazi Comml Radio	fair in EE with religious talk. Other 90m Africans hrd: MOZAMBIQUE Beira 3235 to s/off 2100, TWR SWAZILAND EE relig at 2025 on 3275, BURUNDI 3300 with nx 2050. S/off 2100. Gwelo RHODESIA fair in EE on 3306 at 2106.	DW DW
3245	0621	VENEZUELA	Radio Libertador	poor in SS with ids & t/checks.	FE
3250	1848	INDONESIA	RRI Banjarmasin	poor with het. PE. 1920 on late for Ramadan, vg in II reading letters from listeners.	DL
3260	0930	PAPUA NEW GUINEA	Radio Madang	poor in vernaculars.	BCA
3322	1028	PAPUA NEW GUINEA	Radio Maus Blong Sankanap?	new ident for Bougainville. Excellent signal. FE. (Province of the Northern Solomons, is a province of Papua New Guinea, not new country. Ed)	
3325	0652	ECUADOR	Ondas Quevedenas	fair on Sundays, occasional ids.	SG
3345	1015	PHILIPPINES	FEC Manila	poor with EE rlg. CS. DZB2 weak in EE.	JS
3366	0547	GHANA	Accra	poor with local mx prgm, very noisy.	JD
3375	0400	ECUADOR	Radio Melodia	very good signal 6/9.	RC
3395	1433	INDONESIA	RRI Tanjung Karang	fairly good in II. Jakarta nx 1500.	
3414+	2054	INDONESIA	RRI Medan	good with light mx. Ident in II 2059. DW+/ DL	
3550	0945	INDONESIAN TIMOR	'Radio Dili'	good with local mx. PO. 1125 'Radio Timor Liberdade' fair in II. Mentions of Kupang. DW+ 'Radio Dili' fair in Indonesian 1150. BV+ 1332 RRI Kupang vg in II with nx from Jakarta 1400. At 1420 'Siaran Niaga' (a block of commercials). DL. 1400 Radio Kupang with news in own studio. <u>AC</u> . (This is now identifying as RRI Kupang. Ed)	
3905	1000	PAPUA NEW GUINEA	Radio Manus	with popular mx. <u>AC</u> 1012 fair/gd. <u>BCA</u>	
3955	2015	POLAND	Warsaw Home Service	weak. Station ident 2030.	PA
3990	0857	NEW HEBRIDES	Radio Tanafo	Santo good signals till s/off 0900. SG 0905 exc at s/off in EE. Sounds like at least 1kw. <u>RC</u> . (Still claims only 60 watts!) 3993.6m 0730 vg in local language. <u>FE</u> <u>DL</u> 3996 Full id in EE with geographic coordinates & local wx. <u>BC</u>	
3990	0504	LIBERIA	VOA Monrovia	still audible Sundays with Breakfast Show before Radio Liberty s/on. My 3985 of August Times is 250kw from Monrovia per sked. 3990 still listed only 8kw.	BC
4020	1550	PAKISTAN	Karachi	good with indigenous music.	FO
4698	1223	INDONESIA	RKIP Surabaya	good in Indonesian.	FE
4740	1515	MALDIVES	Male religious transcription prgms.	<u>RC</u> 1525 poor copy. <u>SG</u>	
4750	1023	VENEZUELA	Radio Frontera	reactivated. Frequent ids, good sigs. <u>SG</u>	

<u>FREQ</u>	<u>TIME</u>	<u>COUNTRY</u>	<u>STATION</u>	<u>PROGRAMME &amp; RECEPTION DETAILS</u>	<u>INITS</u>
4783+	2032	MALI	Bamako	fair in vernacs. DW. 2035 FF talks, poor. Teletype. BV	
4790	0528	PERU	Radio Atlantida	good with mx prgm. Also logged Libertad 5040 at 0745, Radio Vitoria 5025 at 0445, Brazil Central 4985, Chincaycocha 4860, Reloj 6006, Voz Evangelica 4820 1015, Radio del Pacifico 4975 at 0345. PO	
4790+	2015	SWAZILAND	TWR Manzini	poor with EE rlg prgm. QRM from RTTY. BV	
4805	0930	BRAZIL	Radio Dif. Amazonas	good sig, het on frequency. RC 0937 good on one exceptional night, with nearly all listed Brazilians audible. SG. Also logged Feira de Santan 4865 at 0828, Radio Timbira 4975 good at 0903 but few idents. SG. 5025 Radio Vitoria fair signals 0825 24/9. RC. 5045 Radio Educadora do Para fair 0855 same day. RC	
4810+	1213	GALAPAGOS	La Voz de Galapagos	fair at s/on. MO. S/on with ids. DW	
4816.7	0453	COLOMBIA	Radio Guatapuri	fair in SS with songs & ids till s/off 0505 with full id & anthem. Move from 4915-4917kHz. DL	
4845	0602	MAURITANIA	Nouakchott	Koran readings at fair strength. JD	
4853	1830	YEMEN ARAB REP.	Sanaa	noted to s/off this time Fridays GMT. On other days continues till 2015 s/off. Good in AA. BC	
4855+	2120	INDONESIA	RRI Palembang	fair in Indonesian. Other morning Indonesians RRI Gorontalo 4900 poor at 1952, Banda Aceh 4955. DW	
4870+	2000	BENIN	Cotonou	fair with EE mx. Idents in EE & FF. MO. 2125 fair. DW	
4875	0700	COLOMBIA	HJLW Ecos del Combeima	with all-night programme. AC	
4885	1817	KENYA	Nairobi	(new location per QSL Ed) Zalamu Zenu(?) prgm. African music, talks & ident in vernacular. Fair. BV+. 1820. PE	
4890	0525	VENEZUELA	Radiodifusora Venezuela	Caracas good in SS. Appeared to be in network link. DL. 0601 mx prgm good Saturdays only. PE	
4890	0631	ECUADOR	Centinela del Sur	vg with mx. Full id, s/off 0645. PO	
4904	0517	CHAD	Njamana	regular nightly, sometimes stronger than VLM4. 1820 very good with ident as "Radio Chad". FE	
4912m	0528	ECUADOR	Emisoras Gran Colombia	good with het. Popular mx. PE	
4915	1835	KENYA	Nairobi	vg in Swahili till VLM4 test prgm began 1849. BC	
4935	0707	CHILE	Radio Colo Colo	presumed from Santiago, fairly good in SS with local songs. Very few identifications. First time Chile hrd operating on 60 metre band. DL	
4940	0445	USSR	Russian Home Service	a nuisance // 6020. No anncts 0500. BC	
4970	1818	SABAH	Kota Kinabalu	vg on extended sked with Mx requests 24/9. PO	
4972.4	0518	CAMEROUNS	Radio Yaounde	vg in EE. F/out 0532 during relig prgm. PO	
4980	0607	GHANA	Accra	fair with EE news. 4915 poor. JD. 4915 good 0617. PE	
4985	2006	MALAYSIA	RM Penang	fair in Malaysian at this time. JS	
4985	0540	BRAZIL	Radio Brazil Central	fair with Spanish(? Ed) music. LR	
4990	0600	NIGERIA	NBC Lagos	poor in EE with time sigs, nx, cmtry. PE	
4995	0506	PERU	Radio Andina	vg in SS. PE. 0700 moderate sigs, id on hour. IH	
5010	0517	CAMEROUNS	Garoua	noted poor in FF. PE 2130 fair in vernacs. DW+	
5020	0310	COLOMBIA	Ecos del Atrato	fair, with occasional ids. Verie recd in 24 days. SG. 0312 fair signal 6/9. RC	
5020	0547	NIGER	ORTN Niamey	poor in FF. Het 0600 when Honiara s/on. FE	
5025	0449	ECUADOR	Radio Splendit	Cuenca fair in SS till s/off 0500. DL	
5030	0629	COLOMBIA	Brisas del Citara	good till s/off 0650. Last mths unid. DL	
5030+	0905	VENEZUELA	Radio Continente	vg in SS, jingles, idents, mx. BV /SG	
5040	0435	PERU	Radio Libertad de Junin	vg in SS till s/off 0440. DL	
5040	0612	COLOMBIA	Radio Cinco	Villavicencio vg with popular tunes & frequent idents. Often plays "Happy Birthday" theme. DL. 0615 fair-good in SS. LR. 0810 Idents, t/checks, Latin mx, fair. BV+	
5045	0651	COOK ISLANDS	CIBC	relaying Radio NZ with sports prgm. S/off 0700. PO	
5075+	0958	COLOMBIA	Radio Sutatenza	fair with SS idents & music. MO. /FE	
5887m	1144	INDONESIA	RRI Pakenbaru	good in Indonesian. FE	
5955	1955	FRANCE	Radio France International	Mx, nx, cmt in FF. BV+ 2008 vg. PO	
5960	0440	CANADA	CBC Northern Service	poor in EE with jazz prgm. CS	
5975	0900	BRAZIL	Radio Guarujá	Florianopolis good with music prgm. JD	
5980	0350	PERU	Radio Panamericana	with SS pops. Ident 0400. Fair. JM	
5987m	0942	INDONESIA	RRI Menado	good in II. PE. 1206 Nx, ident at 1210. DW+	



<u>FREQ</u>	<u>TIME</u>	<u>COUNTRY</u>	<u>STATION</u>	<u>PROGRAMME &amp; RECEPTION DETAILS</u>	<u>INITIALS</u>
6000	0410	HUNGARY	Radio Budapest	vg with DX prgm in EE //9833.	PO
6006	0725	COSTA RICA	Radio Reloj,	Man Jose exc with mx & many ident.s.	JD
6015	0430	AUSTRIA	Austrian Radio,	Vienna EE news. Closes 0500. Good.	IH
6025	0501	PORTUGAL	Radio Portugal,	poor due severe QRM from AA station.	BA
6045	0445	SWITZERLAND	SBC	with EE news, good.	IH
6045+	1008	INDONESIA	RRI Jakarta	fair with Indonesian mx prgm.	DW
6055	0915	JAPAN	NSB exc	strength in JJ.JD. 1005 Anncts & mx in JJ,good.	BV+
6057m	0736	PERU	Radio Continental,	Arequipa poor to fair with pops.	PE
6070	0649	VENEZUELA	Radio San Sebastian,	San Cristobal fair, improving to good by 0700. EE pop mx,few ident.s in SS.DL.0650 good.RC	RC
				0652 good with typical YV prgming.SG.0705 fair.PE.0730 a/n.	AC
6090+	2026	LUXEMBOURG	Radio Luxembourg	fair in GG. No sign of ABC.	BV
6100	2118	SPAIN	RNE vg in EE to Europe.	PO. 2230 closing down, fair.	IH
6115	0245	PERU	Radio Union,	lots of commercials,fair.RC. 1143 good.	PE DL
6115+	0909	COLOMBIA	Voz de Llano	poor in SS with mx.Ident & freq 0925.	BV
6120	0607	ARGENTINA	Radio El Mundo	fair-good in SS with mx & talks.	JS
6130+	2125	GHANA	Tema fair in EE	with ident,mx.QRM DW 2200.BV(see p14 Ed)	
6135	1118	CHILE	Radio Universidad de Concepcion	good in SS with many ids in prgm "Panorama informativa de Banco de Concepcion".	DL PE
6140	2115	GREECE	Athens with news	in English to Australia.	AC
6140	0718	CANADA	RCI with EE Wx	around Canada,good.IH. 0722 exc in FF.	BA
6150	1150	CHILE	Radio Cooperativa Vitalicia,	Santiago fair in SS. Many t/checks as "...hora cooperativa..." Later mixed ABC co-ch.DL	PE
6155+	1315	SINGAPORE	Radio Singapore	in Malay with Latin mx, fair.	AW
6155	0740	JAPAN	FEN Tokyo	good with pop music prgm.	JD
6160	1150	ARGENTINA	Radio Municipal,	Malargue, fair fading up thru HJKJ	
				Nueva Granada. Ident given 1200. First time ever hrd here.	DL
6165	0720	SWITZERLAND	SBC Berne	with "Dateline". Noisy reception.	BA
6165	0901	BRAZIL	Radio Cultura de Sao Paulo	fair in PP.PE 0908 gd mx prgm	DL
6170	2015	MALTA	IBRA Radio in GG.	EE at 2030,fair. QRM from AA station.	JS
6174	1609	OMAN	Radio Oman,	Muscat fair-good with news in AA.	BCa
6175	0501	GREECE	EIRT Athens	s/on with news in Greek. Good.	BCa
6175	0455	ANTIGUA	BEC Caribbean Relay	with World Service.QRM Moscow.0520 fair with WS in EE.Co-channel RFI.PE. 0600 regularly at very good level over Athens. QRM Paris 0700.S/off 0730.	JS BC
6180	0800	ARGENTINA	Radio Nacional	good signals.RC Fair with classical mx.SG. 1012 Mx prgm till 1030 'Panorama Nacional'.Local ident for Radio Nacional de Mendoza at 1054.DL.1031 Nx prgm,ggod. PE 0730 poor due het.Better on MW //960 2379! BC.MO yr unid.	PE
6185	0908	BRAZIL	Radio Bandierantes,	Sao Paulo good with mx prgm.	JD
6190	0730	COLOMBIA	Radio Centauros	fair with Colombian music.	LR
6190	1035	NETHERLAND	ANTILLES TWR	Bonaire with EE relig prgm, fair.	CS
6195	1055	ANTIGUA	BEC Caribbean Relay	int.sig,local ident 1059, then W.S. relay from 1100,fair 25/9.JM.1100 good.AW+ 1240 very noisy & faint signal in EE.BCa(Caution BEC Tebrau co-channel. Ed)	
6195	1100	CHILE	Radio Nacional de Chile	vg & regular in SS on Vee 139° antenna, with no sign of Tebrau.	DL
6200	0345	ALBANIA	Radio Tirana	in EE with Listeners' Mailbag, good.	IH
6230	0720	ANDORRA	Radio Andorra	popular mx prgm with no anncts to 0800 12/9. On 19/9 s/on 0610 with FF anncts & mx, fair.JM. 0644 in FF.EE and Dutch ident.s just after 0700. Many EE pops 19/9 noisy.PE. 0637 poor-fair 19/9 till f/out 0745.Sunday only.BC	
7035	2029	CHINA	Radio Peking	interval signal & ident in FF, fair.	CS
7040	1230	BHUTAN	NYAB	now sked Wednesdays to 1330 with 300w.(RA DXers Calling) 1245 1/9 woman hrd singing by RC & SG but nothing else.	
7050	0512	EGYPT	Cairo	in AA good.Also logged on 7075,9455 & 17745.	PO
7105	0528	MONACO	TWR Monte Carlo	EE s/on then into RR,good.JD 0530 good	CS
7190	1330	SRI LANKA	Adventist World Radio	via SLEB Fridays 30min relig prgm,fair mixed Aden. No AWR ids but they run prgm per sked.DL	DL

FREQ	TIME	COUNTRY	STATION	PROGRAM & RECEPTION DETAILS	INITIALS
7200	0540	GREAT BRITAIN	VOA	Wooferton with Breakfast Show in EE.Good.	CS
7255+	0650	NIGERIA	Lagos	with choral vocals & EE ident 0700, fair.	DW
7285	1526	RWANDA	DW	Kigali fair in FF mx'd USSR.1515 on 9735 very good.	PO
7390	1933	UKRAINE	Kiev	in EE to Nth America, mixed other Russian.	JS
7460	0400	ISRAEL	IBA s/on	in Hebrew //9009,12077.5. Sign-off 0600.	PO
9360	0319	SPAIN	Radio Nacional de Espana	very good in SS.(9520 0226 PO)	BA
9435	0500	ISRAEL	Jerusalem	in EE //7413,12045,9815.DW+ 12045 EE news.	BA
9500	0206	EAST GERMANY	RBI Berlin	vg in SS //6010,6040,11785.	PO
9505+	0633	DOMINICAN REP	RTV Dominicana	poor with Mx. JSL, pennant in 25d.	MO
9510	0330	ETHIOPIA	ETLF	noted after BEC s/off.EE id, then Malagasy, fair.	JM
9525	1910	INDIA	All India Radio	in EE with Current Topic, good.	IH
9525	1000	SOUTH KOREA	Radio Korea, Seoul	EE fair 24/9 //9580. Both new freq.	IH
9570	0300	QATAR	Dona	poor with Koran readings.	JD /JM
9585	0700	MALTA	AWR Malta	new freq ex 9635 fair 26/9.EE rlg songs, 0775	GG.
9620	1830	YUGOSLAVIA	Belgrade	poor in EE with sideband QRM.	JS. /JM
9630	0630	NETH.ANTILLES	RN Bonaire	in EE to NZ ex 11730.AC Very strong.	JS
9645	0600	VATICAN	Radio	in Italian, FF, EE, SS good. JS.0635 "Four Voices"	BA
9665	0100	EGYPT	Cairo	opens in FF to North America.	AC
9690	0415	ROUMANIA	Radio Bucharest	in EE with mx prgm. S/off 0430.	IH
9695	0200	SWEDEN	Stockholm	in PP to Brazil. JS.EE 0230-0300. QRM from DW.	IH
9710	1938	ITALY	RAI Rome	very good to Europe in English.	PO
9715	1835	MONACO	TWR Monte Carlo	with RR religious prgm. New frequency.	JM
9715	2245	SWEDEN	Stockholm	in SS to Europe/Africa, fair, replaces 11705.	JM
9750	0305	GREECE	Athens	in Greek with new freq //9760, fair 26/9.	JM
9750	0402	USA	WYFR Family Radio	with SS relig prgm to 0500. New freq.	JM
9760	0630	GREECE	Athens	opening to Europe but mixed with HCJB.	AC
11710	0732	NEW CALEDONIA	Noumea	good in FF, mx prgm. BA.0030 vg FF/EE pops.	PO
11730+	0700	FRANCE	Paris	fair in FF (now that Radio Nederland on 9630.Ed)	BV
11750	0230	GREAT BRITAIN	BEC World Service	fair with Soccer results.	GH
11755	2100	FINLAND	Helsinki	with EE nx, cmt. Very poor. CS. 2120 USSR over.	SG
11760	0701	GREECE	Athens	new frequency for Greek prgm 28/9.	JM
11760	0500	CUBA	Radio Havana	with EE news. Good signal but QRM.	GH
11775	0710	SWITZERLAND	SBC Berne	in EE to Aust/NZ, fair. Severe QRM.	GH
11790	2030	SWEDEN	Stockholm	in FF good //11830. New freqs & new time.	PO
11790	0600	BELGIUM	Brussels	with Dutch service to s/off 0615, poor.	JM
11830	1055	USSR	Peace & Progress	in EE fair under strong AIR. Both off 1100.	GH
11835	1110	SRI LANKA	SLBC Colombo	good in EE. Documentary on Scouting. GH/GH	GH
11860	0758	NORWAY	Oslo	fair s/on in EE, Sundays. BA.(11850 sked in //Ed)	PO
11875	0145	PORTUGAL	Radio difusora Portuguesa	good in Portuguese.	PO
11880	0350	SPAIN	RNE Madrid	in EE with messages for hams & DXers, fair.	GH
11905	0600	WEST GERMANY	DW s/on	in EE good, //11765 fair. GH. PO.0630 Hausa. BA	BA
11905+	1230	BANGLADESH	Dacca	with unsked broadcast of nx cmts & Mailbox.	AW
11905	2200	ITALY	RAI Rome	with EE news, poor due heavy QRM.	IH
11920	0752	PHILIPPINES	FEBC	very good in EE //11890.	PO
11935	0515	PORTUGAL	Radio Portugal	nx & art prgm. Exc to s/off 0531.	BA
11940	0650	ROUMANIA	Bucharest	in EE to Aust/NZ. Fair. Severe QRM 0700.	GH
11970	0712	TUNISIA	RTV Tunisienne	very good with AA anncts & FF mx.	PO
11985	0720	ALBANIA	Radio Tiran	documentary on Communism in EE, good.	GH
15135	0730	NORWAY	Oslo 250kw f/in	in Norwegian. EE ids every 10mins and at 0830 s/off. Good signal by 0800. DL.(30mins EE Sunday.Ed)	PO
15185	0535	SEYCHELLES	FEBA	very good in AA till sign off 0545.	PO
15235	1330	PHILIPPINES	FEBC	Bocause fair with EE nx. Off 1400. New freq?	DL
15255	0800	USSR	Radio Moscow	EE to Aust/NZ fair //15150 poor, GH.17870 new freq ex 17775 till 1000 s/off. To Aust/NZ //15130 & 15255.	BAJM
15265	1917	FINLAND	Helsinki	fair in EE on this new freq. S/off 1930.	BC
15280	2300	PHILIPPINES	Radio Veritas	mx & many ids. Unid lang-Indonesian?	BA
15345+	0005	ARGENTINA	LRA33	Radio Nacional good in SS with mx prgm.	DW
15355	2330	USA	KGFI San Francisco	with SS announcements.	AC
15440	0059	USA	WYFR Family Radio,	Oakland vg at s/on in SS to Americas.	PO
17720	2000	USA	WINB Red Lion	vg in EE with religious prgm.	PO
17735+	0705	IRAN	Teheran	with news in Farsi, fair. Ident 0710, then music.	DW
17800	2142	LIBYA	Tripoli	AA talk, mx, poor. VOA QRM till 2230. New hi-power?	JM

Sorry thats it - maybe room for something on page 19.

# ARTHUR CUSHEN'S SHORTWAVE REVIEW

19

The new BBC relay at Antigua in the Caribbean has been heard on 6175 from 0430 to 0730 GMT relaying the World Service. There is some interference from Athens at 0500 and from Paris at 0700. +++ Holland has changed its frequency to New Zealand while Canada is to retune its service to the South Pacific.

All times GMT

All frequencies Khz.

**BONAIRE:** Since 20 September Radio Nederland has been broadcasting in English to New Zealand on 9630 from 0630-0750. The other English transmission from 0800 to 0920 remains on 9715.

**CANADA:** From 31 October Radio Canada will retune its South Pacific transmission to 0800-0900. 5970 will be used, and it has been suggested that 9625 replace 9570 because of interference from Radio Australia.

**EGYPT:** Cairo has been heard on the new frequency of 9665 at 0100 in French, 0200 in Arabic and with the close at 0300.

**GREECE:** Athens is well received in its service to Australia on 6140 from 2100 in Greek and 2115 in English. The European service on 9760 opening at 0630 suffers severe QRM from HGJB.

**NORTH KOREA:** Pyongyang's latest English schedule is: 0600-0800 on 9820 12975; 1000-1100 on 7203 9768; 1200-1400 on 7580 and 9510 9769; 2300-0000 on 11535 and 15630.

**SWEDEN:** Sweden broadcasting to the Far East is now using 11870 in lieu of 15240 from 1400-1500. Tests from Horby in SSB are to be conducted until 6 November as follows: 0500-0800 on 17735; 0900-1400 21670; 1400-1800 17775; 1800 to 2130 on 17790.

**SPAIN:** Madrid has been heard testing to Australia and the Philippines from 0800 on 9530 daily except Sunday. 11730 provides good reception.

**TIMOR:** RRI Dili, claimed to be the 49th station in the network, has been heard on 3120 around 1330. Sign off at 1400 is with tune "Viya Con Dios."

RRI Kupang now on 3550 has been heard with local news at 1400, and frequent identifications. Closes 1530.

**VENEZUELA:** An all night signal reported on 6070 from Australia is Radio San Sebastian. Heard well 0700-0750.

**VIETNAM:** Ho Chi Minh City Radio 9620 is heard well at 1000. According to the BBC MS they use 870 6165 and 9620 from 2200-1605.

## BANDWATCH OVERFLOW

Thanks to contributors: LR Lindsay Robinson PO Paul Ormandy, BA Brent Allred, SG Steven Greenyer, CS Cecil Symmes, AC Arthur Cushen BCa Bruce Cavanagh, BC Bryan Clark, RC Ray Crawford, JD John Durham, FE Paul Edwards, DL Dene Lynneberg, JS Jack Searle, JM John Mainland, PA Paul Aronsen, IH I. Hitchiner, GH Gordon Hutchison (welcome to last two!), BV Bill Vogel & AW Alex Wellner (Australia) MO Masami Onizawa (Japan). Regretably we had to trim entries in the higher frequencies. In the next few months, conditions on the 19, 16 and 13 metre band should improve. Amongst those omitted from Bandwatch list due space: 17875 WYFR new freq SS 2230, RBI on 21540 at 1225, Cologne 21560 vg in GG at 0930, USSR 21600, 21625, 21635 at 0930, Sweden 21690 at 0930 in FF. Most of these from PO.

BEST OF DX AND 73's.

## market square

SELL Philips 601 radio chassis. 8 tube. 550 khz to 22 Mhz continuous. Slide rule dial. Separate power supp. requires mod. estimated at \$20 to set aight. Goldmine for parts. Circuit supplied. \$18 freight free.

TUNING CONDENSORS two gang 9-360pf normal size (not minis). Ideal loops, wavetraps etc. 132 ALREADY sold this year. Only 30 left Build a loop for this summer's MW DX. Loop brochure supplied.

75c each, or  
4 for \$2.25 POST FREE

Tony King, P.O. Box 3160 Wellington.

# ..sign off..

MAIL SERVICES continue to be suspended to Timor, Khmer Republic & Lebanon. A letter service has now been restored to what was formerly known as South Vietnam. via Paul Rawdon

BBC SW TRANSMITTER STATISTICS-UK sites  
Woolferton 6 x 250kw.  
Daventry 4 x 250kw, 7 x 100kw.  
Rampisham 4 x 250kw, 2 x 100kw.  
Shelton 6 x 250kw, 13 x 100kw.  
Crowborough 2 x 100kw.  
Cyprus: 4 x 100, 2 x 20, 2 x 7.5kw.  
Malaysia: 4 x 250kw, 6 x 100kw.  
Sackville: use of two transmitters of either 50 or 250kw.  
Antigua: 4 x 250kw (under construction)  
WRTVH Newsletter 8/76

ALGERIA Sked of Radiodiffusion-Television Algerienne is: In Arabic 0600-0830 on 6140, 11810, 11835, 15160kHz; 0600-1000 on 7195, 15370; 0830-1800 on 9705, 17745, 17790, 21565; 1800-0000 on 6080, 6145, 11810, 11835, 15160kHz. French at 0600-0830 and 1800-0000 on 7245 and 9610; 0830-1800 on 9510, 17825; 0600-0000 on 11910kHz. Kabyl at 0600-0830, 1200-1413 and 1800-0000, all on 6160.  
Brent Allred

MAURITANIA Nouakchott Radio now announces itself as the 'Mauritanian Radio from Nouakchott and Dakhla'. Dakhla is the new name for Villa Cisneros, in the former Spanish Sahara. BEC MS(c)

RADIO NACIONAL BRASILIA will be off the air from 5 October to 15 October for maintenance purposes, according to announcements in mid-September.

Fred Humphries, J.Hitchiner

BELGIAN RADIO's DX programme in English is broadcast on the 4th Sunday of the month (GMT) at 1730hrs to Africa on 11940 and 9745kHz, and to Nth America at 0015 on 9725kHz. Address for reports is ORU/BRT, P.B.26, B 1000, Brussels, Belgium.

PAPUA NEW GUINEA radio development will be completed with the opening of outlets in the only 2 provinces still without their own radio stations. Radio West Sepik located at Vanimo will use 2kw on 3205kHz and later Radio Enga will be built at Waba. J.Campbell WRTVH

WYFR frequency changes include: English 0100-0500 on 6155; Spanish 0300-0500 on 5985, 9525, 9715, 11855kHz. JM

## NEW ZEALAND RADIO DX LEAGUE

### ADMINISTRATIVE OFFICE

P.O.Box 1313, Invercargill.

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

### EDITORIAL OFFICE

P.O.Box 2956, Wellington.

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

Closing date for contributions:-

5pm on first Monday in the month.

Advertising: 50 cents for up to 30 words. Other rates on request.

### ANNUAL SUBSCRIPTION: NZ\$5.00

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

RADIO PEKING has, since 9 August, broadcast 'Learn to Speak Chinese' on Mondays with a repeat on Wednesdays. A copy of the textbook is available free on request. B.Allred

SABC's frequency changes, listed on this page last month, are effective in November, not September. C.Miller

## market square

FOR SALE: Lightning Arrestors, suitable for outside aerials. Limited number available at 50 cents each, including postage. Write to Arthur Williams, Box 692, Invercargill.

FOR SALE: Eddystone DC10 Mk II transistorised communications receiver, with power pack. \$600 or near offer. Contact Sean Hogue, 12 Nikau Street, Palmerston North. Phone 74371.

HELP WANTED: Des Davey, 16 View Rd, Te Kuiti seeks advice on an antenna for reception of Citizens Band. Can you assist?

AUSTRALIA Not previously reported in NZ, but worth trying for, is Station VL3RT Royal Melbourne Institute of Technology Correspondence School, 410 Elizabeth St., Melbourne 3000, using 5250kHz with 300w. Sked between 9/3 and 29/10, Monday to Friday, except holidays, 0115-0520 GMT.

Padula, Hanner WRTVH NL