



# NEW ZEALAND DX TIMES

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## DXING AND DAYLIGHT SAVING.

With our standard time 12 hours ahead of GMT, it has always been a simple matter for the New Zealand DXer to convert to GMT and determine times around the world. But from Sunday 3 November this will not be the case, for at 2am that day, NZ time will be advanced one hour to 3am, to introduce a trial period of daylight saving. The trial will conclude at 3am daylight saving time on Sunday 23 February, when clock -s will be set back 1 hour to standard time. In other words, for almost 3 months NZ will be 13 hours ahead of GMT.

For the DXer it will mean many things - your favourite SW programmes will be heard an hour later; our MW stations will be signing off an hour earlier (improving chances for late evening North American reception); you'll be up an hour earlier in the morning, so it won't be so hard to wake up for those European and Middle East stations on MW. We will be interested to hear what advantages and disadvantages for DXing that you find in the coming months.

It has been decided to convert the Broadcast section of the Times to GMT; all other sections are, of course, always in GMT. Members are urged to ensure, and double check, that every time and date submitted with contributions to the Times are in GMT. I will be keeping my 'DX clock' permanently on GMT (appropriately and clearly labelled so that the wife won't be confused!). If in doubt, remember that time stations WWV and WWVH on 5 or 10 or 15MHz are always audible with UTC(GMT) time checks every minute.

GOOD LUCK to all members involved in studies and examinations during the next few months. Keep those priorities right, chaps!

BEST WISHES to National President Eric McIntosh who, we understand, has been unwell recently. Past President Merv Branks is well on the road to recovery following a recent eye operation.

TVI. Douglas Doull writes regarding the severe interference being caused by colour TV sets in his area. We would like to hear suggestions from members re solutions to this menace to DXing.

## CONTENTS

+PORTABLE MW LOOP  
+NEW ADDRESS-WXLE  
+A.G.M. REMITS  
+DX SPECIALS FROM  
2 AUSTRALIAN BCB  
STATIONS-PRIZES  
FOR BEST REPORTS!  
+EE FROM INDONESIA  
and much more....

CLOSING DATE FOR NEXT ISSUE: WEDNESDAY 6 NOVEMBER. PLEASE SEND DETAILS OF YOUR DX, QSL's, BEST-OF-MONTH ENTRIES & COMMENTS TO P.O.BOX 2956, WELLINGTON. 73 IN '74 - DX HANDICAPPED AID YEAR.

## FROM THE BRANCHES

SOUTHLAND. The September meeting was held at Harry Searles with 8 present. Discussion centred on proposals to alter the League Constitution at the AGM, the prospects of a listening post near the city and revised points for the competition rules. Steven Greenyer played a tape of off-shore radio stations. Competition Results: BCB to S.Burtenshaw WXLE 1385 250w; SW Over 9 L.Robinson with Bucharest 17805; Under 9 to A.Cushen & S.Greenyer CKZN 6160 300w.

OTAGO. 7 attended the September meeting at 83 Cannington Road. Discussion on the AGM organisation and a working bee to move the M.O.W. hut purchased by the branch to the site at Brighton. Competition Results: BCB Over 1050: 1XX 1110 100w, Under 1050 2XL 920, both to P.Jackson. SW Over 9: Portugal 11935 J.Aitchison, Under 9: Nordsee 6210 G.Shillito.

CANTERBURY. The branch AGM was held at Brian Withers on Sunday 11 August with a good number of members attending. Lance Johnston, outgoing President handed over to Bob Boundy. Gay Johnston was re-elected Secretary and Lance Johnston is the new treasurer. The September meeting was held at the Johnston's and a special welcome was extended to Murray and Alan Robson. Competition Results: All BCB categories to Alan Robson with 1XB Radio Bosom 950 100w, KSTR 620 5kw and USSR 584. SW Over 9: Kigali 21540, Murray Robson. Under 9, Alan Robson with CHNX 6130 250w.

WELLINGTON. The September meeting was attended by 10 including Neville Henry of Invercargill. Branch policy on various AGM remits was decided. Plans to meet a Californian League member, shortly to visit NZ, were discussed. Two enjoyable films on Australia, highlighting areas to be visited during next years "DXcursion", concluded proceedings. Competitions: SW Senior - DW Malta 11865 and CKZN 6160 Bryan Clark; SW Junior - USSR 15450 Jack Farrow, HRVC Honduras 4820 Tony King. MW Nigel Robins with WXLE 1385.

TARANAKI. The August meeting was held at Bill Wollers with 6 present. Discussion centred around AGM remits and later on aerals. Competition Results: MW Latin: R.Chambers with TIJC 675, Aust: 4MS 600 R.Chambers, Open W.Woller and Sevilla, Spain 683. The September meeting was held at John Burgham's in Eltham with 7 present and 1 apology. Competitions: SW J.Watson with Moscow 12060; BCB R.Chambers HJNY 1385 1kw. An interesting demonstration of Robins loop and Neils Trio rounded off the evening. (Sec: Mike Smith, 65 Longfellow Rd, Opunake)

WAIKATO-BAY OF PLENTY. At the AGM held during a DXpedition to Chope, Tauranga members were asked to handle Branch administration, with assistance from District Representatives. Officers are: Patron: Mr. F. Frost, President: Paul Frost, Secretary/Treasurer: Michael Stockley. District Branch Reps: Whakatane Stan Larking, Rotorua-Colin Campbell, Matamata-Michael Smith, Te Awamutu - Charles Douglas. Competition Cards for Best of Month and Country Increase are being printed. Next meeting in Matamata during December. V.Pres: Bob McGregor.

AUCKLAND. 14 attended a League get-together at Brian Marsh's home on Sunday 29 September. The League's PRO Arthur Cushen spoke at length on the League, its aims and objectives, and the prospects of reforming an Auckland Branch. Members found the meeting most refreshing and discussion moved over the hobby verifications, pennants and a DXpedition. It was agreed that this loose arrangement continue, with Bill Huddleston handling enquiries from the North Shore area and Brian Marsh those in South Auckland. The interest shown by those attending was sufficient encouragement for future discussions and then the possibility of regular meetings.

**WXLE UPDATE** Merv Branks has received advice from Max A. Chapman, the new Station Director of WXLE Radio. The station, regularly heard in NZ on 1385kHz is located on Canton Island in the Phoenix Island Group. Power is 250 watts non-directional and schedule 24 hours a day, 7 days a week. Canton Island is used as a USAF Tracking Station and WXLE is provided mainly as entertainment for Island residents, though numerous reports are received from California, Hawaii & NZ. Max is a MW DXer. Address: WXLE, Global Associates, Box 1276, APO San Francisco 96401.

# BROADCAST DX

3

September saw two DXpeditions to the Bay of Plenty to catch the start of another North American DX season. The Waikato-Bay of Plenty Branch AGM at Ohope Beach saw some good catches. A week earlier Robin Chambers and Bill Woller from Opanake spent four nights at Pukehina and with a 2100' beverage produced some exciting results. Not only were the Yanks heard as early as 4.30 p.m. but long path Europeans like Sevilla, Spain on 683 and Monte Carlo 1466 came through. Your editor called in for the first two nights but predictably the best DX came after his departure.

Peter Jackson has set himself the target of verifying all the Queensland commercials--- to date he's reported 17. Why not set yourself a target too? As noted on Page 1, this section will in future quote ALL dates and times in GMT. Trail contributors - your assistance please! USA and Canada return to standard time on 27 October, Australia (see Arthur Cushen's page), and N.Z. go to summer time on 3 November.

See elsewhere in this issue for special DX calls to the League from Australian stations on the 12th and 26th October - make sure you contribute a report!

BILL WOLLER, Opanake has got reports away to Cuba 590 600 XEBC ZNS HCFA2 KIAC AFNT 1570 TIJC 675.

LYALL MATHIESON, Paeroa has reports out to 1ZK 1ZE 1YX 1YE 1YK 1YZ 1ZC and 2ZP. QSL's back from 2YZ 2ZC 1YA and 1YG.

TONY KING, Wellington has reported 1ZB 1068 and 2YB 802. Both tests.

NORMAN CLOVER, Hamilton, has QSL's from 3YZ 1ZE 1ZA 4YW 1YA 4YA and 4XO. Two calls in your letter 3Y3 3Z2 can't be right?

PETER JACKSON, Dunedin has logged 2LT 4LM 8HA 1XX Murupara 4BU ZK1ZC. QSL's in from 2GN 1XX 1110 4ZR 2XL 2DU 2LT.

MARK CORRIGAN, Wanganui has reports out to 2HD 5AD with QSL's in from 1ZB 2GZ 2NX 2ZM 3DB 3XY 5KA. New report form due in the new year.

TONY MAGON, Waiouru is hearing Fillipinos DWML 1340 10kw and DWWO 620 50kw both to s/off 1600. Can anyone supply addresses?

BOB MUTTON, Te Puke has reports off to KVOO and WLW. 690 catch was probably KKUA Hawaii.

GRAEME DIXON, Auckland has QSL'd 2NX 2KY 2SM 2WL 2ZW. Please keep SW and MW on separate pieces of paper.

ELIZABETH HELLYAR, Bulls has veries from 2KM and 2NA. Good luck with DXpedition.

CHRIS MARTIN, N.S.W. has QSL's in from Singapore 630 2ZE 1ZB 3YC 4YW 1YC Thailand 1480 6KG Danang 700 Riyadh 587 2ZN 6OI KALI Prague 1520 Masirah 1412 USSR 1367 Kuwait 539 1345 Sabah 1475 India 550 610 2YC KCEY Sharjah 1535 Niue 620 2ZE FEN 810 Tahiti 740. Good collection Chris!

JOHN SLATER, Waiheke Is has QSL's from 3AW 2CH and KORL - latter via Alan Roycroft who comes from Waiheke. He stuck to islands didn't he!

CHRIS MACKERELL, Nelson has none out but QSL's in from 2KM 3UL KOA and PJB.

COLIN CAMPBELL, Rotorua from the DXpedition to Ohope reported Niue 620 CBW CBK CFGB 1050 CKLG 730 XEROK Paradise 1265 PJB 800 WXLE VSZ 844 CMW KKON KOB KGMB KFAK KSL. No veries - they won't be long!

PHILIP GARDEN, Mosgiel has reports out to Kuwait 1345 KUAM 610 (good to hear he's been heard again after a couple of years absence) Veries from BBC Masirah 1410.

ROBIN CHAMBERS, Opanake has reports out to TISRHB 1125 XEBC KNUI ZK2ZN and AFNT 1570. QSL's in from HJNY 1385 Djibouti 1538 1YX Frunze 611 and KTSA. Your enthusiasm appreciated.

ARTHUR CUSHEN, Invercargill has verified 1YZ 2YG JORK 1XX 1110 Bratislava 1097 Dnepropetrovsk 890. Report off to Cuddapah 900.

STAN LARKING, Whakatane has reports off to 2BY and Kuala Lumpur 885. Veries in from 1XX 1110 and 2BY.

STUART FORSYTH, Auckland has QSL's from 1YC 1ZM 3YW 1ZN 3YZ 3TR 2NX 2NZ. Writing re your problem. Reunification is on 1135. Please submit ladders on separate paper - your letter went into the BCB bag.

DENE LYNNEBERG, Titahi Bay has logged 1ZB test and 2YB 802. QSL'd 2YB.

BRYAN CLARK, Wellington has logged La Cronica 1320 KEEN XEBC 2YB 802 and TISRHB 1125. QSL 2YB 802 KPRC.

# 4 BROADCAST TRAIL

ERIC MCINTOSH, Invercargill has a verie from 6DB. Reports off to WKLE Turkey 1016 Lille 1376 Israel 655 Libya 1128 BBC Cyprus 1322 1XX 1110. Always a good selection Eric.

GRAEME SHILLITO, Dunedin has one from HLDA 1570.

ALAN ROBSON, Christchurch has logged Bagdad 908 Damman 885 Israel 737 2WN. QSL's: Vatican 1529 BBC Masirah 1412 KYXI 2WN. You must decide re KKON. How positive was your reception ?

ROBERT CHESTER, South Australia has them out to Kuala Lumpur 590 Sharjah 1535 HLKA 715 measured; 6XM 4BU and BBC Masirah 1412. QSL's from Sharjah 1535 6XM and 4BU. Comments taken up with Adcom.

PAUL ORMANDY, Oamaru has QSL's from  
 1 XX XA XI XW ZH ZN ZE ZD ZC ZM  
 2 ZN ZG ZP ZA ZM ZD ZC ZW CR UW WL  
 3 UE ZE BL CH CA ZH  
 4 ZM ZB ZC XA DB NE  
 5 XO ZB YA 5CL and KNX. Reports out to 2 XW ZB WN SM NX GB NZ KO VM RE HD KY AD NC 3 HA XY AR KZ AW BA WV 4 BC QD ZA revolution 1135 Moscow 620 Fiji 560 710 and 12B. Quite a time saver for the typist too Paul !

MERV BRANKS, Invercargill has reports out to JODC 1XX 1110 3TR Korea 600 Voice of Unification. Veries from 3MA 1YK 1YE JODC and 1XX 1240. DX can be trying Merv !

SUTTON BURTONSHAW, Invercargill has logged 5PA 2BS 6CA 2MW 6XM JOCB 1XX 1110 VQO ZK2ZN DWBL 1190 7SD 4JK JOBB JOAB. Veries in from WKLE 2XW 2RG 3UZ 5MU 2GO 5PA 4LG 3CV 2MW 4JK 2BS.

NIGEL ROBINS, Wainuiomata has a lone QSL from WKLE.

DES DAVEY, Te Kuiti has one from Noumea 670.

SINCLAIR BENNETT, Christchurch in/out 2KP.

LINDSAY ROBINSON, Invercargill also has WKLE back.

STEVEN GREENYER, Invercargill continues the solos with a log of KONE 1450.

HARRY WEATHERLEY, Melbourne. Verie; FEN Okinawa 650.

JONATHAN AITCHISON, Dunedin has logged CMW KKEZ with QSL's from XERF KGA CFRN and 2CO.

## EVENING

540	Tropicana exc 0645-0700	A
550	KMVI good 0530	X
575	Russian Mayak good s/on 0900	A
580	KMJ good 0530 X 0700	A
	CKY good ID 0700	A
590	KGLB poor mixed CMW 0630	X
600	KOGO good ID 0640	A
605	Radio Campesina strong 0730	A
610	KFRG faor 0520 A exc 0600	X
620	Muie 0630-0812 s/off	SB
	Moscow in EE 1100 over 3AR	PO
	KTAR exc 0600	X
650	KORL 0710 SB good all nite	X
670	WIAQ thru Noumea 0805	A
675	TIJC Sonora fair/good 0535	A
680	KNBR 0645 fair X mixed Fiji	SB
683	Spain good 0608 21/9. Exc 0547 22/9	A
690	KKUA 0750	SB
700	WLW good 0700 X 0650	SB
730	CKLG exc 0600	X
	XEX faor 0600-0700 X Exc 0730	
750	HJDK Caracol 0645 later WSB	A
770	KOB exc all nite X 0740	SB
790	KKON 0648; KABC 0710	SB
800	CKLW fair 0645 A 0900	X
	XEROK good 0730	X
	PJB 0745 SB. Audible clearly through local 2YB 0830	BC
844	VSZ Gilbert & Ellice 0730	SB
	0830	X
850	KOA 0744 SB 0800	X
880	KRVN poor 1120 X News good	1130
900	XEW over 4YC 0515	A
910	KNEW mixed KJJJ 0730	SB
945	Unid SS fair 0730. Also 1055 at 0650	A
990	CBW good 1100 X XET 0650	SB
1000	KOMO good 1130	X
1030	WBZ 0715, KCTA s/on 1028 in EE and SS, VQO 0950	SB
1070	KNX exc midnight	X
1090	KING and XEPRS at 0715	SB
1110	KFAB 0625	SB
1120	WVUV mixed KPNW 0715	SB
1125	TISRHB Radio Capital ID 0737	A
1160	KSL over NZ 0630	SB
1170	KV00 0630 SB gd 0700	X
1190	KEX 0700	SB
1200	WOAI exc after 1200	A
1232	Arabic weak 0635 21/9 and 23/9 possibly Tangiers.	A
1260	KGIL good 0700 A fair 0730	PO
1270	KNDI 0640	SB
1320	CHQM 0845	SB
1330	KFH CBS news 0900	SB
1370	KREN ID 0750	A
1375	Unid SS here and 1335 0605 -0640	A
1380	KPOI all nite X	BC SB
	WLCY dominant 0510	A



1380 KTOM here 0730 SB  
 1385 WXLE excellent all nite X  
 1394 Unid weak 0615 A  
 1410 CFUN 0645 SB  
 1412 Spain ? 0525-0530 weak A  
 1420 2AP 0650 under NZ SB  
 1440 KELZ 1030 Suns SB  
 1466 Monte Carlo good 0445 A  
 1470 XEBBC strong Eng 0453 A  
 1510 WLAC exc 0600 X  
 KGA 0700 SB  
 1520 KOMA over NZ 0430 A 0615 SB  
 1525 TIEEAW Radio Colombia 0505 A  
 1530 Radio Onda strong from 0425 A  
 KFBK fair 0600 X News 0700 SB  
 1540 ZNS Bahamas faor 0612 BC  
 KPOL nx 0700 KXEL 0815 SB  
 1550 KKHI fair 0630 X  
 1554 Nice fair 0447 A  
 1570 VL2NI strong 0747 Sats BC  
 XBERF from 0425 A X SB  
 CHUB exc with NK 0602 A  
 1580 KDAY 0630 SB Exc all nite X  
 1600 KATZ good 0600 X Mixed KLAQ 0845 SB  
 KWOW 0950

**MORNING**

600 Korea EE news 1530 MB  
 610 KUAM news 1700 1800 PG MB  
 620 Nuie exc 1710-1730 A  
 638 Unid arabic fair 1810 A  
 656 Spanish Sahara weak/fair 1818 A  
 770 JOUB English Hour 1400 Sun MB  
 881 Titograd good with sports 1830 RC  
 900 SHA sign off 1430 PJ  
 1135 Voice of Revolutionary Party in EE 1400-1430 PO  
 1160 KSL good 1300 X  
 1250 KTW faor 1300 X  
 1310 KNUI exc 1600-1610 A  
 1313 Weak Russian 1800, Arabic fair 1906 - Syria ? RC  
 1520 9WK s.off 1400 Suns MB  
 JODC ID 1500 over another Jap MB  
 1538 Mainflingen exc 1745 A  
 1562 Beromunster exc 1745 A  
 1570 Burg DDR good 1745 A  
 AFNT Taiwan 1703, 1755 A

Contributors: Paul Ormandy, Sutton Burtenshaw, Philip Garden, Peter Jackson, Bryan Clark, Merv Branks, X = marks the gang Colin Campbell Stan Larking Charles Douglas at Ohope, and A = identifies the Chambers-Woller consortium at Pukehina.

**BEST OF THE MONTH**

Senior

HJNY Radio Pipaton, 1385 khz 1 kw  
 156 points  
 Robin Chambers

Junior

WXLE Canton Is 1385 khz 250 watts  
 116 points  
 Nigel Robins, Lindsay Robinson.

"1385 the Best of the Month Spot on yer dial chasps"

**DX FORECAST**

NOTE TIMES ARE GMT

OCTOBER

0630-0715 Portugal, Spain and some Europeans. Also Cubans about this time.  
 0630-0800 U.S.A.  
 0730-0915 U.S. East coast may peak.  
 1000-1030 U.S. Central  
 1500-1630 Hawaiians good  
 1530-1645 watch for Alaskans  
 1630-1700 Far East USSR  
 1700-1820 this is the month for Europe. Middle East may come in earlier.

NOVEMBER

0645-0800 U.S.A. Mexico  
 0830 onwards Asians good. Cubans.  
 1300-1600 Asians strong  
 1400-1500 Pacific coast US  
 1600-1730 Europe-Middle East also.  
 1530-1630 Hawaiians/Alaska

*Tests*

The following DX tests - the first of the coming season - have been organised by the NRC and IRCA.

Mondays 21 and 28 October, KGHO Hoquiam, Washington, a 1 kw daytime operator on 1560 khz will test at 0308-0500 Eastern Local time - we make that 0708 - 0900 GMT on the first Monday; and with the return to U.S. standard time on 28 October the special will be 0808-1000 GMT.

SELL Ferrograph 4AN tape recorder. 3 $\frac{3}{4}$ /7 $\frac{1}{2}$  ips half track. Additional stereo playback head. In excellent mechanical condition. \$120. Bob Mutton, No. 1. Road, R.D.2 Te Puke Phone 1681W Te Puke

SELL Philips portable cassette recorder model EL3302. A1 condition - recently totally overhauled and under Philips guarantee. Inputs: mic, radio, gram, remote control. Outputs; phones, speaker, second recorder. With mic, and mains supply. Complete \$60. Tony King Box 3160 Wellington. Wellington 40-370.

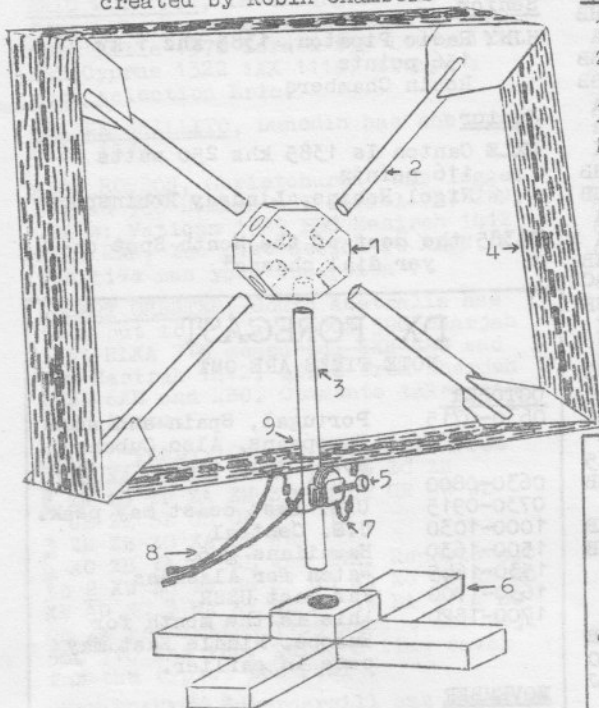
# A PORTABLE COLLAPSIBLE LOOP

created by Robin Chambers

6

## KEY to diagram

- 1 central wooden block
- 2 four paddles to slot into central block.
- 3 supporting rod
- 4 loop turns sewn into the band of fabric
- 5 capacitor mounted on supporting rod
- 6 solid base stand
- 7 leads from capacitor to ends of loop
- 8 inductance turn leads to receiver
- 9 hole in fabric band to accommodate supporting rod.



Using the basic dimensions and parts required for the standard loop (Jan. 1973 Times, and included with all New Members' Kits) it's not too difficult to make a loop which can be quickly erected and dismantled for DXpeditions. The structure is made to slot together (see diagram) and the time-consuming winding on of the wire is solved thus - A 7"-10" width of stiff fabric (e.g. blind holland) is folded in two. Lay the fabric over the frame and pull taut. Sew the ends together. You now have a fabric 'former' over your frame into which you are going to "weave" your wires. Cut a hole for the loop's vertical support pole. Thread the loop's wires around the frame in the normal way, making small holes in the fabric so that the wire is threaded in and out at regular intervals. i.e. it is "sewn" into the fabric like a thread. Two-pin plugs are added at the ends of the main turns, and the single inductance turn, so that it's a simple matter to connect up the capacitor to the main turns and the inductance turn to leads from the receiver. An alternative to the threading idea is to sew the wire into channels exactly like an electric blanket's wiring.

## SPECIAL



John Newman and Ito Tsukigawa have organised the following special calls to the League this month. A special feature is the style of report sought by each station.

### SATURDAY 12 OCTOBER

3NE (P.O. Box 167 Wangaratta, Victoria 3677) 1600 Khz.  
1100-1130 GMT (11.p.m. NZT)

3NE will select the best reception report received (see style below) from New Zealand, and a prize will be awarded by the North Otago Branch.

### SATURDAY 26 OCTOBER

2QN (368 George Street, Deniliquin N.S.W. 2710) 1520 Khz  
1200-1215 GMT (Midnight NZT)

2QN will judge the best report received from New Zealand and will donate the prize.

In both cases reports must be written in LETTER STYLE and not on a prepared form. DXers should submit a report which they consider will be of most value to the station. Reports and letters to these stations, even if you have their QSL will illustrate our appreciation of their interest.

In lieu of "Station of the Month", the following was recently received with a QSL from WLW, a member of the Clear Channel Broadcasting Service along with KFI 640, WSM 650, WGN 720, WSB 750, WJR 760, WBAP 820, WHAS 840, WHO 1040 and KSL 1060. Certainly a well prepared piece of 'propaganda'.

## The Case for Clear Channel Broadcasting

"Millions of Americans depend on clear channel broadcasting as their ONLY source of nighttime radio programming, yet a creeping paralysis threatens this vital public service.

Radio Clear Channels are vital to America. Without them, millions would be deprived of their only nighttime AM radio service. The stations using these channels are licensed to provide wide area nighttime service - radio to all America. These stations provide the ONLY radio listening available to 60% of the nations land area. These areas enjoy good daytime reception from local and regional stations. Beginning at sunset however, because

of changes in the ionosphere which reduce the coverage of regional and local stations, they are without AM radio, except for clear channel signals.

An Exclusive Roadway. Clear channel means, simply, a channel of air or a road-way through the sky that is used exclusively by one station at night, transporting radio signals over vast areas which cannot be reached in any other way after sunset. Technically, clear channel wide area coverage is possible because of radio's skywaves, one of two kinds of signals emitted by all AM stations. The other is groundwave. Skywave signals are directed toward the sky. During the daytime, few return to earth. But at night the ionosphere changes so that it acts as a mirror and scatters usable skywaves back to earth over great distances. Therefore, only one station may use a clear channel at night. Groundwaves, on the other hand, parallel the curvature of the earth day and night. They provide dependable service as long as the signal is strong enough to overcome static, noise and interference.

Dangers of Duplication. If more than one station operates on a channel at night their skywave and groundwave signals clash so that they are damaged or destroyed. This is why only clear channel stations provide skywave service. However, over the years Federal policies have permitted an alarming number of stations in urban areas to transmit on some clear channels, thus destroying skywave service to remote rural areas. Duplication -or breakdown - of 15 of these irreplaceable clear channels has resulted in less programming for under-served regions and increased programming to already well-served urban communities. Of the original 40 clear channels, only 25 exist today. The others have been dissipated by duplication. Generally, once a second station is assigned to a clearchannel, other such assignments follow. Today, there are as many as 11 stations operating on what was at one time a very valuable and, indeed, precious(service-wise) 1-A clear channel.

Unrealistic Power "Ceiling" Another alarming condition is the governments unrealistic ceiling on transmitting power. The use of additional power is needed to carry reliable signals. Higher power (above 50 kilowatts) will help overcome the growing interference from foreign stations, static, the peculiar variances of skywave service and to counteract increasing levels of electrical noise. Though the number of US radio(AM) stations has increased from 503 in 1938 to more than 4300 today, it is the few remaining clear channel stations that still provide the only nighttime AM radio for huge rural and small town regions.

Above map shows that more than half of the United States, (unshaded portions of the map) is a "radio desert" at night without clear channel broadcasting stations.



Items from the NRC's DX News: WNYC New York, currently 1kw on 830, is requesting an increase in power to 50kw.  
 1430 WLCB Buffalo, Kentucky is new. 1510 WLAC off 7.30-10.30 Mon. NZT.  
 1430 WRSD Florida granted WODJ. 1520 KYXI silent period Sundays 10pm  
 1440 KGLX Oregon seeks return to old -1am Mondays NZT.  
 call KODL. 1530 CP for 50kw D3 Jacksonville, Fla.  
 granted.  
 1440 KDNC Washington granted call KXXR. 1540 KBES Wash. granted 5kw nights.  
 1460 KSO is now 24hrs C & W. 1550 WRIZ Florida granted WRHC.  
 1480 KBOX Tx requests night time power of 1kw. 1580 KDAY SP is approx 8.15pm- Mon.NZ

## SOUTH AMERICAN MW NEWS

ARGENTINA. LV7 Radio Tucuman 1110 ex 900. IRCA via Sunspot.  
PERU. Radio 1460, Lima on 1460 and Radio Independencia, Lima on 1550 are new. Radio America is reported to have moved from 1010 to 1000, but your Ed is still hearing them on 1010! WRTVH via Sunspot.  
COLOMBIA. HJAD Cartagena 1330 with slogan Radio Vigia, Todelar network heard 0823-0844 GMT, presumed a move from 1340. Ron Schiller NRC.  
 New stations under construction in Colombia:  
 1090 HJBY Ecos del Curiplaya, Florencia. 1390 HJZY Radio Lemas, Bucaramanga.  
 1120 HJTI Radio Tochala, Cucuta. 1430 HJLO Brisas del Cauca, Cauca.  
 1170 HJLB Meridiano 70, Arauca. 1450 HJHH Aires del Oriente, Florida-  
 blanca.  
 1170 HJNW Eco de Bocagrande, Cartagena. 1470 HJOD Radio Rodaredo, Santa Maria.  
 1230 HJTP Radio La Colina, Givandot. WRTVH via Sunspot.  
ARGENTINA. LR11 Radio Eva Peron 1320 ex Radio Universidad de la Plata.  
 Radio Ciudad de Buenos Aires 710, formerly Radio Municipal. Sunspot.

## PACIFIC ASIAN REPORT

PHILIPPINES. FEBC have a 250kw transmitter under construction at Iba, Zambales in Northern Luzon, for 1470kHz. K.Ushigome JSWC.

INDONESIA. Radio Comercial de Jakarta noted at 1420 GMT on 1565. Radio Triyaya de Jakarta noted on 1545kHz between 1200 and 1620 with Jakarta news at 1400, 1500, English pops and jazz, and commercials. Craig Tyson UADX

NEW ZEALAND. Verifying a report on their repeater 1110kHz, Radio Whakatane writes:- "We have not had the Murupara transmitter on the air for very long. It is completely home-built by our Technical Department. It was at one time a VHF transmitter for the Forestry Department. The original transmitter tube (100w dissipation) has been replaced by 4 different tubes of smaller dissipation, coupled in parallel to produce the required 100 watts. It is quite satisfactory for what we require. At the moment we are relying on a Dipole Aerial of around 40-50ft, but this is being replaced when the weather permits by a dipole of 150ft. The signal from the station in Whakatane is fed to a translator, which feeds a similar translator on a high point in the Omataroa Forest about 12 miles away, thence to the transmitter at Murupara. If I remember correctly the frequency is around 300MHz. The translators are on FM to minimise the noise. There is a pilot tone sent with the signal which is a reference signal so that when the 2 transmitters are on 1240kHz, they are in synchronisation." Dene Lynneberg MB

Commenting on a request for the religious station Radio Rhema to broadcast information and gospel music during the Commonwealth Games, the Minister of Broadcasting stated on 3ZB's "Town Talk" that the "application went beyond the scope of the legislation set out and I had no alternative...but to decline the application. On the other hand the application from (Auckland University stated) the station would be used primarily as a vehicle for the dispersal of information relating to enrolment and orientation activities at the University." A further application from Radio Bosom to broadcast during Capping Week was declined as they wanted to broadcast to the overall community of Auckland. Radio Rhema's Palmerston North bid was similarly rejected.



The NZBC will cease to exist from 1 April 1975. The 3 new broadcasting Corporations will then come into effect, although on 1 April there will only be two operating - Radio New Zealand and TV1. TV2, based in Auckland is expected to be operating some 2 or 3 months later.

A recent NZBC Research Report produced the following insights into the radio scene in this country: In Auckland, 1ZB's breakfast session is the most popular followed by the National Programme and Hauraki just beating Radio I. Between 9am and midday Gordon Dryden's "Powerline" talk-back show over Radio I leads the ratings. Lunch show audiences are fairly evenly split between I, Hauraki and 1ZB, but 1ZM takes the lead between 2 and 4pm. 1ZB and Hauraki fight for the major share of the "drive-time" audience, except for the hour after 6pm when Radio I's sporting talk-back show is prominent. Hauraki is the only station to consistently hold more than 10,000 listeners at night. 2ZB holds the majority of listeners in Wellington during breakfast with the National Programme in second place. Radio Windy just edges 2ZM out of 3rd place. At 9am Brian Edwards talk-show doubles Windy's audience, but it isn't until 11 that they get any significant lead on 2ZB. The latter comes back into its own at noon when Windy drops from 20,000 to 9000 listeners and ZB increases from 17,000 to 24,000. 2ZB then holds the majority weekday audience right through until 10pm. ZB generally has twice as many listeners as Windy during the "Person to Person" session. 2ZM and Windy are fairly equal between noon and 10pm, except between 5 and 6pm when Windy is slightly ahead. These statistics cover the April-June period. Next month ChCh & Dunedin. BC

AUSTRALIA. The Australian Govt has announced approval of 3 new AM stations and 14 ABC repeaters, as well as approving the introduction of FM. The ABC standby transmitter in Melbourne will be used for a new Radio Service for Public Involvement, while the Sydney standby transmitter is to cater for the Under 25 Audience. The University of South Australia in Adelaide will have its licence (1630kHz) moved to the AM band, and will cater for a wider group of minority organisations. The Music Societies of Sydney and Melbourne have been granted the first FM licences and expect to be on air this year. AC  
An extra licence has also been granted for Canberra. Bruce Williams.

## **DXCURSION**

All going well the DXCURSION organiser, Tony King will fly to Sydney on Saturday 26th October to discuss with DXers in Sydney, and later in Melbourne, details for our forthcoming visit. A visit to Albury to meet the staff of 2AY is also on the itinerary.

Response to the formal enrolling for the DXCURSION has been excellent - in fact we are only four vacancies away from our minimum number of 15, or fourteen more, and the price will drop about \$20 per head. Recent announced fare increases are not expected to affect the tour cost, and a close liaison is being maintained with United Travel Services on this aspect. Harry Weatherley, Michael Willis, Peter Herman, and Chris Martin have planned a great selection of 'diversions' in Sydney and Melbourne, and the Manager of 2AY, Mr Eric Pattison, and Keith Glover of Radio Australia have plans afoot for our visit.

An interesting and understandable aspect of the tour is the request for extensions to the tour - particularly by the married couples on the tour - on the premise that "once we're over there we may as well see a bit more." We are able to advise you on all aspects of extensions including rail, bus, and air transport.

Deposits of less than \$160 will be accepted at this stage, and it would be helpful if those wishing to join the trip would indicate accordingly as soon as possible so that the ultimate size of the group can be determined. Final date for the fare portion of the tour will be in January 1975, but other arrangements, particularly in respect to accommodation need to be firmed-up before then. Don't hesitate to write if there is any detail about the trip you would like.

## LADDERS

10

Broadcast					Shortwave									
Division	Jun	Oct	Inc	Cnt	Division	Jun	Oct	Inc	Cnt					
<u>GOLD STAR (Over 1250)</u>					<u>GOLD STAR (Over 1250)</u>									
Arthur Cushen	2146	2159	13	140	Arthur Cushen	4070	4106	36	226					
Keith Robinson	2017	2020	3	-	Dene Lynneberg	1823	1855	32	175					
Merv Branks	2016	2034	18	-	<u>GOLD ACE (1001-1250)</u>									
<u>SILVER ACE (751-1000)</u>					<u>SILVER ACE (751-1000)</u>									
Ray Crawford*	939	-	-	-	Tony Marr	-	1239	-	188					
Eric McIntosh	844	858	14	-	Ray Babbage	-	1150	-	-					
<u>ACE (501-750)</u>					<u>ACE (501-750)</u>									
Robin Chambers	741	760	19	102	Stan Larking	1106	1158	52	117					
Sutton Burtenshaw	698	728	30	81	John Mainland	1100	1136	36	162					
Stan Larking	663	669	6	79	Ray Crawford *	1097	-	-	-					
Dene Lynneberg	630	635	5	-	John Watson *	1028	-	-	-					
Graeme Shillito	594	599	5	59	<u>SILVER ACE (751-1000)</u>									
<u>SENIOR (301-500)</u>					<u>SENIOR (301-500)</u>									
David Ricquish *	453	-	-	-	Bryan Clark	973	989	16	145					
Paul Aronsen	391	397	6	-	Hans de Jong	896	944	48	88					
Brian Withers *	350	-	-	-	Brian Withers *	872	-	-	-					
Ray Babbage	-	350	-	-	John Durham	756	820	64	105					
Chris Martin *	302	-	-	-	<u>ACE (501-750)</u>									
<u>INTERMEDIATE (151-300)</u>					<u>INTERMEDIATE (151-300)</u>									
Bryan Clark	299	310	11	65	Bill Huddleston	743	772	29	110					
Gordon Simes *	231	-	-	-	Erin Ardley *	678	-	-	-					
Arthur Williams*	228	-	-	-	Lindsay Robinson	618	646	28	96					
Tony King	219	219	0	-	Eric McIntosh	573	575	2	-					
Lindsay Robinson	179	181	2	19	<u>SENIOR (301-500)</u>									
Sinclair Bennett	175	180	5	10	Jack Searle	473	515	42	81					
John Newman	161	165	4	12	Paul Aronsen	472	476	-	-					
<u>JUNIOR (51-150)</u>					<u>JUNIOR (51-150)</u>									
Des Davey *	146	-	-	-	John Hillier *	447	-	-	-					
Jack Searle	132	134	2	15	Peter Herman	-	400	-	-					
Alan Robson	119	142	23	18	Des Davey *	304	-	-	-					
Paul Frost	110	119	9	28	<u>INTERMEDIATE (151-300)</u>									
Michael Smith	103	108	5	8	Alan Robson	247	281	34	57					
John Bathurst	91	91	0	8	Tony King	233	236	3	-					
Peter Jackson	73	97	24	15	Steven Greenyer	227	246	19	100					
Jonathan Aitchison	69	84	15	10	Colin Campbell	220	223	3	54					
<u>NOVICE (1-50)</u>					<u>NOVICE (1-50)</u>									
Gavin Bennett	-	47	-	-	John Bathurst	217	220	3	47					
Philip Garden	-	46	-	-	John Newman	210	222	2	70					
Elizabeth Hellyer	42	47	5	-	Arthur Williams *	207	-	-	-					
Andrew White	34	41	7	-	Murray Robson	207	235	28	67					
Bruce McGregor	(34)	35	1	2	Paul Frost	191	206	15	64					
Norman Clover	32	44	12	5	Jonathan Aitchison	151	191	40	52					
Paul Ormandy	-	37	-	3	<u>JUNIOR (51-150)</u>									
Chris Mackerell	24	28	4	4	Mike Smith	150	164	14	46					
Colin Campbell	18	18	0	9	Phil Garden	-	158	-	40					
<div style="border: 1px solid black; padding: 5px;"> <p>Thanks to all those who contributed Country Totals and gave this feature such a great start! Welcome to Paul Ormandy, Mark Nicholls, Cecil Symmes &amp; Bob Boundy. Tony Marr also makes a welcome return.</p> <p>If your entry has a dreaded * beside it, you'll be deleted in December unless an updated total is received for that column - the final for 74!</p> </div>					<u>JUNIOR (51-150)</u>									
					Norman Clover	119	186	67	48	Norman Clover	145	150	5	46
					Charles Douglas	118	118	0	43	Nigel Greene	119	186	67	48
					Leigh Morris	114	116	2	63	Charles Douglas	118	118	0	43
					Chris Pike *	113	-	-	-	Leigh Morris	114	116	2	63
					Bob Boundy	-	104	-	47	Chris Pike *	113	-	-	-
					Ian Wells	83	87	4	39	Bob Boundy	-	104	-	47
					Chris Mackerell	76	76	0	55	Ian Wells	83	87	4	39
					Jack Farrow	59	88	29	27	Chris Mackerell	76	76	0	55
					Austin Hadler	-	57	-	-	Jack Farrow	59	88	29	27
Cecil Symmes	-	57	-	25	Austin Hadler	-	57	-	-					
<u>NOVICE (1-50)</u>					<u>NOVICE (1-50)</u>									
Peter Greener *	(48)	-	-	-	Cecil Symmes	-	57	-	25					
Andrew White	47	54	7	-	<u>NOVICE (1-50)</u>									
Brian Molloy	(34)	51	17	14	Peter Greener *	(48)	-	-	-					
Paul Ormandy	-	20	-	16	Andrew White	47	54	7	-					
Mark Nicholls	-	14	-	7	Brian Molloy	(34)	51	17	14					
					Paul Ormandy	-	20	-	16					
					Mark Nicholls	-	14	-	7					

# UTILITIES

For the past two years I have edited this page and endeavoured to create some interest in Ute DXing. The results, to say the least, have been most disappointing and I must therefore concede that there is insufficient interest amongst members to continue this section.

MAILBAG. Sinclair Bennett, Christchurch is our

sole contributor with the following logged and verified: BU Bundaberg 320, MO Manapouri 346, NR Napier 330, BN Brisbane 302, CAS Casino 332, HK Hokitika 310, WD Weydon 398, WS Westport 278, SY Surrey 350, VNE Gabo Is, NSW 308, L Cape Schanck, Aust 314, QN Queenstown 362, WK Whakatane 362, ZLOP, AP, CH, OU, WG, ZLOM. Logged: B Cape Wickham Aust 314, MI Nandi 362.5, ZLOV Cuvier Is, CWR Cowra 299. Thanks for your support Sinclair. Sorry can't help re SFI on 192kHz.

Your Editor, Bill Pearson has reports away to New Hebrides 8164, Havana 13475, Italcable 19330, Suva Radio 2111, Ethiopia 10835, Saudi Arabia 11405. Veries by prepared card from 3DP, VIA 4136, Tahiti Aeradio 8847, Daewin Aeradio 8868, USCG NMQ 2182, Anchorage Aeradio 8911. With this section in recess, I will still endeavour to answer any queries about Ute DX. My address is 3 Robson Street, Stokes Valley, Lower Hutt.

THE LAST ROUNDUP. All heard by Bill Pearson during last week in September.

2111kHz 1206 Suva Radio 3DP working freq 10335 C&W Ltd Bermuda mm EE tt, 0800 7980 1045 Sydney Eastern Terminal m tt EE 10515 0650 ATTC New York m tt EE 8164 0750 Vila, New Hebrides m tt EE. 10585 0800 FTS Noumea fm EE/FF tt. 8190 0750 French Telecom Svce f&m tt EE/FF. 10760 2005 Vila, New Hebrides m tt EE 9150 2215 C&W Ltd Suva m tt EE. 10835 0220 Ethiopia Telecom Board m 9170 0740 ATTC Dixon m tt EE. tt EE. 10295 0840 ATTC New York m tt EE. 11405 0550 Saudi Arabia PTT m tt EE 10316 0830 CUV US Aerospace Complex m tt. 11620 0800 West Samoa P.O. fm EE tt

73, BILL PEARSON

## FROM HEADQUARTERS

ANNUAL GENERAL MEETING, Dunedin on Saturday 26 October. Final programme is as follows: 10.00am Get-together and welcome. 10.30am Annual General Meeting. Venue is the City Hotel, Cnr Princes Street & Moray Place (one block south from the Octagon). 1.00pm A la carte meal - cost \$0.60-\$2.50 according to appetite. 3.00pm Visit to Radio Station 4XO. Alternatively a visit to Lanarch Castle if sufficient interested. 8.00pm Wine, dine & dance at Savoy Restaurant - 7 course meal \$4.50. From 6.00pm a DXpedition all night will get underway. Further details may be obtained from Graeme Shillito, 28 Thomson St, Dunedin.

AGM REMITS. Submitted by Adcom:

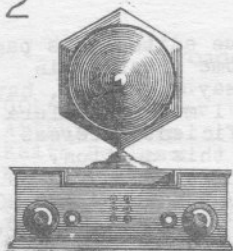
- (i) A joining fee of \$1.00 for new members to help cover Members Kit costs.
- (ii) The student membership rate be abolished and all members pay the same rate, that is \$4.00.
- (iii) Addition to NZRDXL Constitution - To be a member of a Branch, it is required that the member be financial to the League.

Submitted by North Otago Branch:

Alteration to Rule 16 - A copy of the League's Balance Sheet with Branch Accounts, together with a copy of the Auditor's Report and National President's Report, shall, not less than 14 days before the date of the meeting, be sent to all branches or persons entitled to receive such notices of meeting of the League.

COUNTRIES LIST UPDATE. Move Portuguese Guinea to extinct countries within Africa, effective 10/9/74. Add Guinea-Bissau - new country with same points.

SPECIAL CALLS TO LEAGUE. All members are asked to show their support for the efforts of North Otago branch and two Australian stations, who have organised DX calls to the League on Saturdays 12 and 26 October. In each case, prizes have been donated for awarding to the reports which are of most interest to the stations. Full details appear elsewhere in this issue. It is also expected that Keith Glover will greet the League in his "Club Forum" over Radio Australia on 26 October. Support your club and these stations with a report!



Continuing our listing of members, their receivers and other aids to the DX hobby, we begin this month with:-

SANDRA CAMPBELL, Dunedin has a fine line-up, consisting of a Grundig TR6002 Satellit 1000, Sharp FV1710 6-band 18 transistor portable, Trio 9R-59DS and Eddystone EC10 Mk II communications receivers. Antennas are a 20' whip, 110' longwire, 40' horizontal "L" and a Masson MW Loop. DXing is also assisted by a Philips tape recorder and a

24 hour digital clock.

MIKE SMITH of Matamata uses a Yaesu FR-50-B mainly for listening on the ham bands. A Drake SPR-4 is on order. Antennas include a centre-fed 66' dipole at a height of 35', a 125' inverted Vee - 35' high at the apex, and a 300' long wire running around the section. Mike writes that his homebrew antenna tuner has even tuned a piece of wet string with success! A Copal 222 digital clock, Olivetti typewriter and Eye Carri-corder complete the lineup.

HARRY WEATHERLEY's main receiver is a Collins 51S-1 15 tube communications set with dual and triple conversion, covering 0.2 to 30MHz. An Eddystone 830-7 15 tube receiver is mainly used for mediumwave reception with a loop aerial. A Sharp FV-1700 and Barlow Wadley XCR-30 are available for portable use. Antennas are a 75' inverted "L" at a height of 30ft and a 16' vertical at a height of 9ft. Toshiba, National and Philips tape recorders are also used.

BRIAN WITHERS, Christchurch uses an RCA AR88D communications receiver, plus a 6 valve domestic receiver for standby. Accessories are a No.10 frequency meter, Grundig taperecorder and typewriter. Two antennas are available: 110' inverted "L" to the North West at a height of 30ft, and 75' at a height of 20 ft facing N-S.

PHILLIP PITCAITHLY of Auckland DX's with a Barlow Wadley XCR30 crystal controlled portable and National Panasonic RF5000B 2<sup>nd</sup> transistor portable and a Trio 9R-59DS all-band communications receiver with a 66.8 foot antenna.

SINCLAIR BENNETT, Christchurch has a varied lineup: 6 valve Gulbransen, two 5 valve Philcos, a 3-band 6 valve HMV receiver (with longwave band) and a 5 valve Paramount set which has been converted to cover longwave. Aerials are a loop antenna covering medium and longwaves, and 3 longwires ranging in length from 55' to 175'.

DOUGLAS DOULL, Northcote, Auckland has an Eddystone 940 as his main receiver, with a 65' longwire antenna at a height of 50' beamed East-west. Doug is a frequent winner of competitions sponsored by international broadcasters and his prizes have included a Grundig 600 portable from Deutsche Welle.

MURRAY ROBSON, Christchurch also uses an Eddystone 940 13 valve communication -s receiver with coverage 530kHz-30MHz and especially good bandspread on medium wave. Aerial is about 200ft long, at a height of up to 40ft.

TO BE CONTINUED.



From Gerry Wood, DX Editor of Radio RSA's "DX Corner" comes exclusive news of a DX Competition.

## RADIO RSA

P.O.Box 4559, Johannesburg  
SOUTH AFRICA.

### COMPETITION RULES.

- (1) Correct reports should be sent for three external frequencies of Radio RSA and three internal frequency outlets, ie SABC.
- (2) Competition Period: 1 October to 31 December 1974.
- (3) Reports can be sent individually but must be clearly marked "Radio RSA DX Competition. Report No...." QSLs will be issued for each report.
- (4) Award Certificate for those correctly verifying 6 frequencies.



# Shortwave Mailbag

13

Murray Robson has verified Radio Reyes in Bolivia on 3380 khz and because of the low transmitter output of 250 watts has earned the Best Of the Month under 9 Mhz. Stan Larking reports several interesting latin american veries, and Paul Ormandy received the following note from Lagos, with a QSL: " Not many reports have been received from New Zealand in recent months to determine when reception is good over your area. May you try 15185 between 0600-0730 and send us reports. Your constant reports may even serve as a guide to DXers. Happy listening." Currently Lagos should be audible at this time so try and listen.

GRAEME DIXON, Auckland has veries from  
CBC 5960 HCJB 6085 KGEI 9520 BBC 11750  
Prague 9740 Portugal 11935 with pennant

CECIL SYMMES, Wellington has QSL's from  
BBC 7185 9590, DW Malta 7160 DW/CBC 9605  
FEBC 11890 ORTF 11710 Portugal 11840  
RN Bon 11730 Brasilia 15245 Finland 15185  
Denmark 15165 Peking 11600.

HARRY WEATHERLEY, Melbourne has them back  
from Burundi 3300, Blantyre 3380 Luz y  
Vida 4825 Enugu 6025 Kinshasa 11795.  
A good bunch Harry.

DES DAVEY, Te Kuiti has one from Egypt  
7755 ???; another from Tahiti 15170.

CHRIS MACKERELL, Nelson has none but 5  
out.

LEIGH MORRIS, Palmerston North has them  
from Brasilia 15245, and KGEI 9585.

JOHN SLATER, Waiheke Island has them  
from ORF 6155 Japan 4 freqs, Canada 5970  
6135, Moscow 11730 Peking 11600 ORTF  
6020 and AIR.

DENE LYNNBERG, Titahi Bay has QSL's  
from BCB Sackville 5925 DW Malta 9745  
15225 Continental Arequipa 6055 Super  
6065.

JACK SEARLE, Haumoana has QSL's from  
DW Malta 11865 15225 Ghana 9545 Ejura  
4980 Paris 6020 Peking 11695 RGI 15230  
Vatican 6190 FEN Tokyo 3910 Israel 10250  
Delhi 11740.

LINDSAY ROBINSON, Invercargill has QSL's  
from Mongolia 6383 Rumania 17710 YVNK  
4900 DW Malta 5955 BBC Cyprus 6010 Iran  
7064.

PHILIP GARDEN, Dunedin has 'em back  
from DUH2 6170 Cairo 9475 Brasilia  
15245. Ladder jump OK Philip.

STEVEN GREENYER, Invercargill has QSL's  
from CKZN 616C SDR 6030 HCJB 6080 DW  
Malta 9745.

TONY KING, Wellington has QSL's from  
Acreea 4885 and HRVC 4825.

IAN WELLS, Milton has Moscow 5960 NSB  
9595.

ROBERT CHESTER, South Australia has  
a lengthy list; Karachi 9690 BED93  
15370 ZL18 ZL5 ZL21 Jerusalem 9815  
KGEI 11900 DW Sines 7285 Julich 7210  
15235 Werch 9745 HCJB 6085 11865 11945  
VOA Tinang 15365 15375 Green 9635 11710  
Wooff 12040 Kavala 9540 RBI 17880  
21465 Delhi 15165 UN Timang 17710 Del  
9660 Brussels 21690 RNE Arganda 9515  
Hanoi 7102 Karlsborg 15105 Moscow  
8 freqs, Finland 15185 PJB 9570 15350  
Paris 7135 9675 Singapore 5010 RA  
Shepp 9570 9770 Darwin 6130 Tashkent  
15460 CBC Sackville 5960 11720 Ned Bon  
15385 Clarin 4850 Ikorodu 7275  
Popondetta 2468 BBC Tebrau 6050.

JONATHAN AITCHISON, Dunedin has RSA  
4875 NHK 17855 Clarin 4850 Portugal  
11935 last two with pennants.

BOB BOUNDY, Christchurch has QSL's  
from Prague 11990 11855 9540 Vatican  
11740 Portugal 6025 Solomons 3995  
Brasilia 15245 pennant.

MARK NICHOLLS, Taupo has QSL's from  
Japan 17855 15300 RA 11765 9570  
17715 17795 17870 Peking 9460 11600  
11720 KGEI 9520 Israel 9009 Canada  
9625 Nederlands 11730. Re AIR: If  
the QSL card gave verification  
details for the two frequencies  
these both count.

BRYAN CLARK, Wellington has 'em back  
from LLI3 6180 CKZN 6160 DW Malta  
11865 5955 Vienna 21675 CP75 4875  
Brazzaville 6115.

MURRAY ROBSON, Christchurch has QSL's  
from RN Bon 15320 15385 BBC Cyprus  
11955 KGEI 9520 CP109 Reyes with  
pennant. Reyes a good catch Murray!

GRAEME SHILLITO, Dunedin. Two. Sweden  
6065 Nordsee 6210.

JACK FARROW, Lower Hutt has RGI 6135  
BBC Lon 7120 7210 11955 Moscow 15450.

MARK CORRIGAN, Wanganui has SIBS 3995  
VLM4 4920.

LANCE ANDREWES, Dunedin has one: SBC  
15305. They'll come!

BILL HUDDLESTON, Auckland has 12 out and veries back from AIR Delhi 15190 AFRTS 9755 Prague 9740 RA Dar 6055 Lyn 11730 Moscow 11750 Kuwait 9715 SBC 11720 15420 Brunei 7215.

BRIAN HOLLOY, Auckland has QSL's from RNZ 15110 17770 RA Shepp 5 freqs Peking 15030 11650 NHK 11875 Voice of Phili 9580 VLQ9 SBC 9725 Portugal 6025 Nacional Brasilia 15245 CBC 9625 RN Bonaire 11730.

HANS DE JONG, Tasmania has veries back from Moscow 5960 11805 RBI 11700 VOA Phil 11760 9545 17790 Delano 9565 Vienna 9650 KGEI 9520 9615 UN Dixon 6145 Berne 17830 AIR 7260 HCJB 15375.

JOHN DURHAM, Meremere has a good list from Singapore 5010 5052 AIR Delhi 9525 7215 Seoul 11925 pennant RA Dar 17715 Brasilia 15385 pennant Nacional Bogota 4955 YVOC 4980 pennant BBC Cypr 9725 BBC Lon 9600 Moscow 3 freqs DW Malta 5955 RN Talata 6020 Belgrade 7240 Prague 9540 9740 FEBC Manila 11920 ETLF 15250 VOA Wooff 6065. Wooff wooff.

PAUL ORMANDY, Oamaru has a QSL from Nigeria 11900. Very encouraging. You can enter any QSL in the BOM competition Paul. Use your points system to work out if it is worthwhile. e.g. if the sum of points exceeds 100 it is probably worth entering it. To do so, just head a separate sheet of paper with 'Best of Month Entry' and provide details. From a 2nd letter: QSL's from Western Dist 3305 VQ04 RNZ 6080 BBC 7150 Prague 7345 Peking 9460 Cairo 9475 Japan 9505 Korea 9640 HCJB 11915 Brasilia 15245 Moscow 15100 RA Shepp 11765 21655 RCI 5970 9625 RN Bon 9715 11730 VOA 9630. SC worth sacrificing some DX for.

ARTHUR CUSHEN, Invercargill has QSL'd Brazil 15245 CKZN 6160 HJAB 3290 Libertad 5040 Japan 15270 Central Dist 3290 DW Malta 5955 9625 KGEI 6000

STAN LARKING, Whakatane has 25 out and replies from Rabaul 5985 Lisbon 9740 DW Werch 6145 DW Sack 6085 RBI 9730 BBC Ascension 6005 BBC Tebrau 7180 Brasilia 15245 HCJB 6080 AFNT 3990 Sofia 6160 Universo 4880 Nacional Colombia 4955 Radiofonica Populares 3985 Gazetta 5955 Paris 6020 Central Districts 3290 CKZN 6160. A good list Stan.

ALAN ROBSON, Christchurch has 10 logs and QSL's from HCJB 6080 Vilnius 15440 SBC 3985 Israel 12025 Denmark 15165.

MIKE SMITH, Matamata has QSL'd Voice of Philippines 9580 Budapest 9833.

NIGEL GREENE, Paremata has four out and QSL's in from Iran 9022 DW 9640 6130 5955 Malta; Belgrade 6100 BBC 7120 Finland 15185 Paris 11710 VOA 15300 FEBC 15440 Portugal 11935 Prague 5930.

JOHN MAINLAND, Wellington has veries from TIFC 6175 Kuching 6050 Brasilia 15245 Saigon 6165 Kabul 15195 NHK 9585 Athens 15345 Budapest 6130 VOA Kavala 15260 Brazzaville 6115.

BILL PEARSON, Stokes Valley has QSL's from Warsaw 7285 HCJB 6085 DW Malta 7160 9590 11850 BBC FES 9725 Vatican 11845 Nigeria 7275 Japan 9605. 32 reports out. Welcome back pardner.

## STATION OF THE MONTH

Radio Budapest, Hungary began test transmissions from the Jaszago transmitter site 80 km east of Budapest during April this year. It is understood that a power of 250kw is used from this site. During the past few weeks Radio Budapest has appeared on several frequencies, some new, suggesting that the 250kw transmitter is now in full operation. Three English transmissions have been heard lately: 6110 at 1745 and 1945 and 9655 at 1945. The service for North America at 0145 continues to provide reliable reception on the long established channel of 9833 khz. The station now appears to relay the Home Service in Hungarian which commences at 0325 GMT on 9655 and has been noted on a Saturday with this format. Later at 0615 GMT this Home service transmission is heard additionally on 15415. The Turkish service at 1630 is heard for a half hour after Radio Japan vacates the frequency of 9585 -also a new one for Buapest. The address of the station is simply: Radio Budapest, Budapest, Hungary.



**BEST OF THE MONTH**

Under 9 Mhz:  
Radio Reyes, Bolivia 3380 khz 250w  
Murray Robson

Over 9 khz  
Athens, Greece 15345 100kw  
John Mainland

# SHORTWAVE BANDWATCH

15



Radio Republik Indonesia at Jogyakarta has introduced a 15 minute English programme on 7110kHz according to Nigel Robins. Sorong 4871 has also been noted with English programming by Murray Robson; The BBC Latin American Service in Spanish is noted on 11880 relayed from Delano, California; Radio Sofia has a new frequency and Bucharest a new service to Africa.

Favourable Latin American and African reception continues in the tropical bands between 3 and 5MHz. Openings to Europe during darkness should become more frequent in coming weeks on the 19, 16 and 13 metre bands.

ALL TIMES ARE GMT (12 hours behind NZT) FREQUENCIES IN KILOHERTZ.

FREQ	TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	INITS	
3290	1007	PAPUA NEW GUINEA	Radio Central Districts,	Port Moresby very good in Pidgin dialect with songs & local news items.	DL	
3330+	2045	RWANDA	Kigali	FF pops & anncts till s/off 2100. New freq.	Padula/	
3350	0530	GHANA	Radio Ghana,	Ejura s/on with drums & hymn 'O God our help' fair.	DL.0600 EE Nx //3366 poor and 4915 very good.	BC
3360	1020	PAPUA NEW GUINEA	Radio Milne Bay	fair 'Listeners Choice' EE.	CS	
3425	1440	NEPAL	Katmandu	with EE Nx at 1450. Strong signal, poor copy.	CC	
3760	1715	PAKISTAN	Rawalpindi	good in Arabic. Anncts at 1800.	BH	
3910	0850	JAPAN	FEN Tokyo	fair in EE, PG 1000. JA 1630 Forces prgm, good.	BH	
3938	0610	UNID	(Ref. Bandwatch 8/74)	Popular mx prgm at very good level till s/off 0657. Several idents as "This is Radio Ocean, an experimental maritime station, broadcasting in the 75 metre band to the Pacific". 10/9. Also observed 1859-1915 s/off 8/9 but at no time since. Investigations continue, any clues?	BC	
3960	1856	SWITZERLAND	SBC	with unlisted tx hrd 9/9 only. GG at 1900, FF at 1904, EE at 1907 & Italian 1910. Good signal. EC 1907 EE Nx & Wx then Italian. GG at 2000. Definitely not ex 3985.	DL	
3960	0458	WEST GERMANY	RFE	in Polish with id 'Polskie Radio Wolna Europa' good. USSR Home Service in background! Off-air relay?	BC	
3975	0515	GREAT BRITAIN	BBC	fair in Czech with 15 mins news.	PG	
3989	1846	CYPRUS	BBC Limassol	good in Turkish till 1900 then Arabic.	DL	
4677	0700	ECUADOR	Radio Nacional Espejo,	exc most nights, few idents.	MS	
4765	0538	CONGO	Brazzaville	fair in FF. Slight telegraphy QRM.	DL	
4770	0555	LIBERIA	ELWA Monrovia	good s/on. EE news 0600.	DL	
4780	0558	UNID	AFRICAN	opens with march with drums & bugles & FF ident. Indigenous African Mx till 0641. 0700 possibly FF news. (NASWA members note Mali varying 4780-4783. Seems best bet. BC)	DL	
4795	0440	ECUADOR	La Voz de los Caras	fair in SS till id, s/off 0447.	DL	
4800	0629	ECUADOR	Radio Popular Independiente	vg in SS. Still on 0900.	JS TW	
4815	0450	PERU	Radio Sameran	s/off with full ident & anthem.	BC	
4815	0600	UPPER VOLTA	Ouagadougou	at vg level. S/on in dialects & FF 26/9 & 28/9. Highlife Mx till FF Nx 0630. Increased power? measured. 0610 Music prgm incl EE pops. Some FF anncts.	BC 4815.7 DL	
4820	0500	ANGOLA	Luanda	s/on with 'A Portuguesa'. Poor but steady.	BC	
4820	0700	GAMBIA	Banjul	fair with BBC English news. Slight het.	DL	
4825	0445	PERU	La Voz de la Selva,	Iquitos fair in SS. S/off full id	0458 DL	
4845	0658	MAURITANIA	Nouakchott	at very good level 26/9 logged till after 0800. May have since returned to 4850 as Clarin with severe het early Oct. EC 0710 very good with Koran chants.	DL	
4850	0913	DOMINICAN REP.	Radio Clarin	fair in SS. English ident 1030. 0825 freq idents. SG 0600 good but severe heterodyne.	PG JS	
4871	1139	IRIAN BARAT	Radio Republik Indonesia	in English acknowledging letter & reception reports with mx requests. Very good.	MR	
4887	0629	BRAZIL	Radio Pionera de Teresina	exc. Heard once only 21/9.	MS	
4915	0600	GHANA	Accra	vg in EE 28/9. Best ever hrd. JS. S/on 0530 vg.	DL	

FREQ	TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	INITS
4940	0510	USSR	Unid	Russian hrd at fair level till blocked by Abidjan.	BC
4940	0601	IVORY COAST	Abidjan	vg at s/on with full ident in FF.	DL
4980	0538	GHANA	Radio Ghana,	Ejura good with indig mx. Not //4915.	DL
4990	0550	NIGERIA	Radio Nigeria,	Lagos weak-fair in dialect.	DL
4995	0655	PERU	Radio Andina	fair till s/off with anthem 0715.	SG
5020	0545	NIGER	Niamey	weak-fair in FF with prgm of local songs & mx.	DL
5035+	1100	COLOMBIA	La Voz del Caqueta	poor overall in SS. Buckley SCDXC	
5042	0824	PERU	Radio Libertad	with Indian mx, odd idents & time checks.	SG
5045	0830	COOK ISLANDS	Rarotonga	noted at s/off announcing test on this freq. SG. 0705 vg in EE with island mx. Wx at 0730 readability only fair. BC. Noted 26/9 after long absence. Poor due teletype	DL
5050	0700	VENEZUELA	YVKD	all night operation. AC 0809 Radio Mundial noted many nights, often with poor audio quality. Jingle idents hrd after trumpet fanfare. SG 0830 Mx & talks. Many idents.	LR
5055	0530	ALBANIA	Tirana	with news in Albanian over unid Latin.	BC
5075	0856	COLOMBIA	Radio Sutatenza	s/on at good strength with calls, frequencies, powers & tx locations. SG 0955 Plentiful idents. 1030 theme tune 'John Brown's Body'. HW+ 5095 at 1000.	CS
5952m	0912	COLOMBIA	Radio Super,	Medellin, many ids during vocal prgm.	SG
5955	0415	EAST GERMANY	RBI Berlin	EE to Nth Am. Also 5965 in GG 0420.	AC
5970	0700	ECUADOR	HCJB	Quito hrd to s/off after SS prgm.	AC
5975	0910	BRAZIL	Radio Guaruja	vg with commercial prgm, splashing CBC!	BC
6000	2140	MALTA	Deutsche Welle	relay in GG. AC Others reported: 6145 in GG closing at 0430. AC. 11865 EE & GG Ident vg at 0430 CS. Nx in GG good 0301. JF 0330 CM. 7235 good in GG 0444. JF 6065 in AA good 2003. PG 2018 JM. Id in FF & Maghreb at 2105, then Maghreb prgm. RC+ 15275 in GG 1600 good.	JM
6005	0900	AUSTRALIA	RA Lyndhurst	strong at s/on. New freq. PG. EE to the Pacific Is. RC+ CC	
6012	0817	ANTARTICA	A.F.A.N.	poor with AFRTS prgm.	PG
6015	0811	BRAZIL	Radio Clube Pernambuco	fair in PP. 'Coke' advts.	BC
6015	0330	GREAT BRITAIN	GBC Russian Svce	s/on. Relay via Daventry.	PG
6055	0542	PERU	Radio Continental	good with Mx, talk, some jingles.	LR
6060+	1200	SARAWAK	Kuching	in Malay Svce mixed Tashkent. New frequency // 4835kHz. Willis ADXN	
6080	0800	ECUADOR	HCJB	Quito strong in EE. Radio NZ faint in background.	PG
6100	0240	WEST GERMANY	DW	Cologne fair in German.	PG
6115+	0707	PERU	Radio Union	hrd closing on extended sked 1/9.	HW
6120	2123	PHILIPPINES	FEBC	Manila at weak level with int. sig, Chinese gospel prgm from 2130. First time hrd at this time of day.	DL
6125+	0700	COLOMBIA	Radio Continental,	Bogota with Nx headlines in SS.	HW
6135	0330	TAHITI	ORF Papeete	poor-fair in FF. 15170 currently unusable.	DD
6135	0815	BRAZIL	Radio Gaucha	good with frequent idents in PP.	BC
6140	0603	CANADA	RCI Montreal	Nx good. JF EE till 0657 then FF, strong. 6125 fair level in FF at 0700.	PG
6155	0933	JAPAN	Far East Network	fair with ident and Nx.	PG
6160	2000	BULGARIA	Radio Sofia	very good signal in Arabic.	JS
6165	0500	HOLLAND	RN Hilversum	fair in EE Sunday. AR 0519 Mx prgm fair.	JF
6165	0600	SWITZERLAND	SBC Berne	very good reception. Listed as GG.	AR
6170	2026	MOROCCO	RTVM Tangiers	fair in FF with Arabic Mx prgm.	TW
6185	0800	BRAZIL	Radio Bandierantes	strong at s/on in PP with int. sig.	BC
6240+	0700	CLANDESTINE	Radio Liberaçao	s/on with drums. Prgm in vernac, FF and some PP noted. Located Conakry? Willis ADXN	
6340+	1815	TURKEY	Ankara Police	radio fair in Turkish. Kosmpfel WWDXC	
7095	1950	PAKISTAN	Radio Pakistan	good with Mx and Nx in EE.	CS
7110	1130	INDONESIA-JAVA	RRI Jogjakarta	with EE nx & popular music. At 1145 "Keep up your English" language lesson. Fair.	NR JM
7145+	1630	UZBEK SSR	Tashkent	fair in AA. QRM from another Russian. Miller	
7175	1026	SOUTH VIETNAM	VTVN	Saigon with music & talks. LR /SADXC	
7220	0755	AUSTRALIA	RA Shepparton	fair in EE. NG Also 7280 Exc in EE to UK at 0745. NG 7280 excellent with Mx & Nx at 0750.	JF



FREQ	TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	INITS
7235	2257	INDIA	All India Radio,	Madras. Indian Mx, EE Nx 2300. Poor.	DL
7235+	1300	MONGOLIA	Ulan Bator	in CC to 1330; Mongolian to 1400. Mixed with Radio Australia.	Willis ADKN PC
7275	0425	ITALY	RAI Rome	Mediterranean Svce in EE. Good.	PC
7275	1950	RWANDA	DW Kigali	Relay in GG to East Africa under Rome & USSR.	RC. /EC
7285+	0520	WEST GERMANY	DW s/on	in AA, poor. New freq ex 15150.	RS
7300	1805	EAST GERMANY	Radio Berlin	International EE Nx, strong.	TM
7395	2000	ISRAEL	IBA Jerusalem	s/on in RR. This is unid frm last month.	JS
7670	2030	BULGARIA	Radio Sofia	weak in Greek. Listed 15kw.	PO
9340	1000	NORTH KOREA	Pyeongyang	s/on in English, very good.	PO
9475	0230	EGYPT	Radio Cairo	very good in EE 0230-0330.	JF
9525	1130	UNITED STATES	VOA Greenville	good with news in SS. (500kw)	JF
9550	0145	CHILE	Radio Nacional "La Voz de Chile"	noted at poor level beginning GG prgm. Appeared //15150.	NR
9570	2300	SWITZERLAND	SBC Berne	s/on in PP mixed BBC, poor. New freq.	JM
9575	0120	PAPUA NEW GUINEA	Radio Central,	Port Moresby fairly good.	DL
9580	0930	PHILIPPINES	V of P, Manila	fair in EE. PG 0935 EE lesson, poor.	CS
9585	2230	SOUTH AFRICA	Radio RSA	opening in EE to North America.	NR
9585	1440	JAPAN	NHK Tokyo	General Service in JJ, fair ex 15300.	JM
9585	1630	HUNGARY	Budapest	with Turkish Nx & Mx, fair. New frequency.	JM
9615	0955	UNITED STATES	KGEL	fair in SS service ex 6195.	JM
9625	2230	AUSTRALIA	RA Shepparton	good in Indonesian, CS. 2345 strong.	JS
9640	0900	SOUTH KOREA	Radio Korea	fair in EE. PO. S/on in EE. PG BBC QRM.	CS
9655	0510	HUNGARY	Budapest	new freq for Home Service. QRM from Canada.	JM
9675	0130	LEBANON	Beirut	in FF, 0200 AA, 0230 EE Nx good. eplaces 11965.	NR
9675	1815	MONACO	TWR Monte Carlo	fair in Armenian. EE anncts at 1830.	BH
9700	2045	JAPAN	NHK	poor in FF to Middle East. 11705 fair in EE 2015.	JS
9725	0430	SWITZERLAND	SBC	fair reception in EE to Nth America.	AR
9740	1825	ROUMANIA	Bucharest	good signal in European language.	RS
9760	0445	NETH. ANTILLES	TWR Bonaire	fair with news in Arabic.	JF
9770+	1101	HAITI	4VEH	heard on 20/9 only with gospel prgm.	HW
9833	0420	HUNGARY	Radio Budapest	fair in EE 0400-0430.	PO
10040	1000	NORTH VIETNAM	Voice of Vietnam	fair in EE. PO. Good 1025.	CS
10530	0226	KAZAKH SSR	Radio Alma Ata	in a RR lang. Ident 0226 v.g.	MR
10920	1945	USSR	Radio Moscow	with half-hour prgm to Africa in EE.	JF
11700	2025	VATICAN STATE	Vatican Radio	testing to Africa. Anncts in FF & EE, fair //9625. JM. 2030 popular mx, very good. Also on 9625 & 15120 - both fair.	EC
11730	0805	WEST GERMANY	Radio Free Europe	with idents in EE, GG & Polish. "You're tuned to Radio Free Europe's Morning Music", vg.	EC
11760+	1050	RYUKYU IS.	VOA Okinawa	s/on with id, replacing Tinang on this frequency. RC BBC CYPRUS with World Service Nx under VOA 1100	PO
11760	0350	CUBA	Radio Havana	very good reception in EE.	CS
11780	2100	BRAZIL	Radio Nacional,	Brasilia over Radio NZ in EE. CM v.g. mixed RNZ. AC. Good in EE. JA. (CC you may have hrd them on earlier freq of 11820. Now definitely 11780. Ed)	JS
11795	2110	BULGARIA	Sofia	in EE to Africa. FF 2130. Poor. Also in SS to Latin America 0130. New freq ex 11765.	JM
11835	0300	CANADA	Montreal	with Nx in SS. HCJB ECUADOR underneath in RR.	AC
11835	1830	MONACO	TWR	opening in RR. Fair on this new frequency.	JM
11840	0545	ROUMANIA	Bucharest	new service in EE to Africa. Fair 28/9.	JM
11840	0304	PORTUGAL	Lisbon	fair-good in EE to Canada.	BH
11855	0830	CZECHOSLOVAKIA	Radio Prague	good in EE at this new time.	NR
11870	2025	SWITZERLAND	SBC Berne	in SS to Sth America. PP 2030, good.	JS
11875	0300	CUBA	Radio Havana	in SS to Americas. New freq poor-fair. RC+	JM
11880	2210	TURKEY	Ankara	with seldom hrd EE Service, good.	JM
11880	0225	UNITED STATES	BBC Latin Am.	Svce in SS relayed by Delano, fair.	JM
11910	1635	HUNGARY	Budapest	good with talk in English.	CS
11925	1200	UZBEK SSR	Radio Tashkent	in EE, good //11730.	FO
11930	0830	AUSTRALIA	RA Shepparton	in EE to Asia. New freq. CC. 0530 poor	RC+
11940	2050	AUSTRIA	Vienna	in FF to West Africa. Fair replacing 11905.	JM
11955	1300	MONACO	TWR Monte Carlo	fair in RR. New freq noted 28/9.	JM

FREQ	TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	INITS
15120	0537	VATICAN	Vatican Radio	good with Multi language Service.	JS
15125	0614	TAIWAN	BED60 Taipei	poor in Chinese.	JS
15120	0130	SRI LANKA	Colombo	good in EE with some rlg prgms.	CM
15185	2231	AUSTRALIA	RA-Darwin	fair in Indonesian. New freq.	JM
15210	2301	PHILIPPINES	VOA Poro/Tinang	good with Nx and Commentary.	JF
15210	1620	VATICAN	Vatican Radio	good in EE to South East Asia.	BH
15210	2200	AUSTRIA	Vienna	good level in GG to South America.	CC
15220	2300	HUNGARY	Radio Budapest	very good reception in Hungarian.	AR
15220	2230	NETH.ANTILLES	Radio Nederland	relay good in Dutch till 2250.	CC
15250	0515	ETHIOPIA	ETLF	fair-good with AA relig.prgm & some EE anncts.	BH
15325	0530	PAKISTAN	Rawalpindi	good in EE to Africa. BH 0545 fair in EE.	PO
15390	0635	SWEDEN	Stockholm	poor with Home Service to Africa ex 17770.	JM
15415+	0130	AUSTRALIA	RA-Darwin	fair in EE to East Asia/NW Pacific. New.	RC
15415	0615	HUNGARY	Budapest	poor with Hungarian Home Service.	JM
15425	0200	SRI LANKA	Colombo	relays BBC news. Mixed VLW15.	AC
15430+	0600	SWITZERLAND	SBC Sottens	fair in GG.//Schwarzenburg only poor.	RC
15435+	0301	PHILIPPINES	FEBC Manila	with Ident & "Chords of Life". Poor. Announced as 15440 but definitely measured as 15435.	RC
17730+	1001	USSR	Radio Moscow	fair in EE with Nx, Farm Nx, Confuciosm.	HJ
17730+	1551	MALAGASY REP.	Radio Madagascar	id in FF & EE.S/off 1600.Grobe/	JA
17830	0240	PAKISTAN	Karachi	with EE News at slow speed.	WWDXC
21610	2315	UNITED STATES	VOA Dixon	good with Breakfast Show.	CS

#### BANDWATCH CONTRIBUTORS:

DD Des Davey DL Dene Lynneberg BH Bill Huddleston JM John Mainland  
 IW Ian Wells CM Chris Mackerell CC Colin Campbell PO Paul Ormandy  
 RS Rod Sainty PG Philip Garden JF Jack Farrow MR Murray Robson  
 NR Nigel Robins T Tony Marr MS Michael Smith NG Nigel Greene  
 JS Jack Searle LR Lindsay Robinson SG Steven Greenyer RS Rod Sainty  
 AR Alan Robson AC Arthur Cushen BC Bryan Clark CS Cecil Symmes  
 JA Jonathan Aitchison RC Robert Chester-Aust. HW Harry Weatherley-Aust.  
 HJ Hans de Jong-Aust. South African DX Club. Worldwide DX Club(Germany)  
 Australian DX News Southern Cross DX Club-Adelaide.

#### TIME FOR REFLECTION.

NASWA member Ernst Løhe from Germany recently toured Central America, and when in San Jose, Costa Rica, called in on Radio Casino(5954kHz) and spoke with the Station Owner & Director Sr. Grau. Looking through two large folders of DX mail from all parts of the world, Ernst was shocked and disgusted to see the approach used by many DXers. Sloppy handwriting and demanding phrases gave the impression that many overseas listeners considered their reports as a great favour to the station. Although the owner could only speak Spanish, there were letters in English, German and other languages. Sr.Grau seemed embarrassed by the reports as he did not have time to answer letters. Ernst comments that it is a good idea to acknowledge Latin QSLs with a thank-you note. Latins are like that - they desire to maintain a cordial and continuing relationship.

NASWA "Frendx" 9/74

#### LATEST ON RADIO IN BHUTAN.

Yet to be heard in this part of the world is Radio NYAB run by members of the National Youth Association of Bhutan, P.O.Box 1, Thimphu, Bhutan. The station began broadcast -s on 11 November 1973 - the King's birthday and operates a 10kw transmitter owned by the Ministry of Communications. Transmissions are currently on Sundays only, 0730 to 0930 GMT on 7040kHz with news in English and Bhutanese at 0730, programming in Bhutanese 0745-0830, Nepali music 0830 and English from 0845 to 0930 GMT, including requests commentaries and interviews. It is reported that two 50kw transmitters will be installed at Thimphu and Phunsholing and that from January 1975 there will be broadcasts in English, Bhutanese, Nepali & Hindi at 0030-0330 and 1130-1530.

Japan SW Club, Sweden Calling DXers & Tune-In.

# ARTHUR CUSHEN'S SHORTWAVE REVIEW 19

Reception difficulties have occurred each month this year, but on September 15 from 2100 GMT we experienced the worst, with both short path (across Asia) and long path services being severely disturbed. The BBC predict another blackout on October 12. These disturbances have had the effect of causing difficult reception on many days, but nevertheless several new frequencies for international stations have been heard. KGEI is now using 250kw as well as its older 50 kw transmitter.

ALL TIMES IN GMT

ALL FREQUENCIES KHZ

Australia: Summer Time is to be introduced in all states except Queensland and Northern Territory from Sunday 3 November through to Sunday 2 March 1975. Western Australia will be GMT +9, Northern Territory +9½, Queensland +10, South Australia +10½, and New South Wales, Victoria and Tasmania +11.

Austria: Vienna now broadcasts to the Far East 0400 - 0600 on 17800; 0600-0900 on 17850 and 21675; 1200-1500 on 17775; 1500-1700 on 15155. English is broadcast 0830-0900 and 1230-1300.

Ascension: The BBC is relaying the programmes of the VOA from 1000-1100 in Portuguese on 17830 and 15195; 1130-1400 in Spanish on 17830 and 15350.

Belgium: English broadcasts from Brussels are 2255-2315 on 9655, 11855, and from 0040-0100 on 6055, 9655, and 11855.

Brazil: Radio Nacional at Brazilia has settled on 11780 and is noted with Portuguese at 1900, German 2000, and English 2100. The frequency is also used unfortunately by Radio New Zealand and at 2115 by the BBC.

Canada: Radio Canada is to retime its schedule to the South Pacific on November 3, and it is expected to be 0900-1000 on 5970 and 9625. From 0100 to 0157 with the North American service, 9755 now replaces 9655.

Ecuador: HCJB has extended its schedule on 6080, and now opens at 0630 causing strong interference to Radio New Zealand.

Germany East: RBI Berlin is heard in English to North America 0330-0415 on 5955 5965 and 6080.

Holland: Radio Nederland is testing to the Far East 0930-1050 on 11825 and 15130. The first channel is blocked by Peking.

India: AIR in its service to Australasia is using 11775 15190 17780 from 1000 to 1100 in English.

Japan: NSB Tokyo is using 6115 in place of 7230 for its second programme and is heard closing at 0720, except Saturdays and Sundays when the sign off is 0745.

Korea North: Pyongyang has been observed on 9415 with English news at 2100 with sideband interference from the BBC.

Peru: Radio Libertad de Junin uses 1kw on 5040 according to the verification. The address of the station is Radio Libertad, Jiron Bolivar 497, Junin, Peru.

Portugal: The Voice of Hope advises that as from January 1975 their English period will be 0900-1000 on 9670.

Sri Lanka: The Commercial service is now heard on a new frequency of 15425 instead of 15120. BBC News is carried at 0200. The signal is mixed with VLW15 on the same frequency. At 0300 the announcement states the programme is also being carried on 11725.

United States: VOA relays the BBC Spanish service 0200-0415 on Delano 11880, Greenville 6175, and Dixon 6010.

KGEI's schedule for October is:  
50kw = 1400-2130 15175; 2130-0130 15280; 0130-0700 6000; 0700-1400 9615;  
250kw = 2130-0130 15355; 0130-0700 9615; 0700-1700 5980.  
The Voice of America special events feed to Asia is broadcast 0130-0200 Monday to Friday on 9770 11805 15155 15185 17705 17750 17850 21570.

# ..sign off..

LATEST FROM R.A. On a visit to Radio Australia on 30/9, Bruce Williams met Peter Homfray, Keith Glover & Gordon Cairns, all of whom sent greetings to League members. Bruce was advised that a new Japanese Service was planned for 1300-1400 GMT on 11810 and 9580kHz, and that 5995kHz currently beamed to the Pacific 1800-2200 would be replaced by 11840 due to QRM from CBC via Daventry. Dates still to be fixed.

SPECIAL QSL's. During October and November, Radio Canada International will issue a special QSL promoting World DX Handicapped Aid Year. Another specially designed QSL will be issued solely to verify reception of the RCSWC special programme on the Handicapped Aid Year, to be broadcast 2 & 3 November. SCDXC "DX Post"

POWER GAME, CONTINUED. Radio Finland is to have a new 250kw transmitter and new antennae installed at Pori, probably on air by 1976. Two Soviet-made transmitters of 500kw each will be in operation for Radio Sofia, Bulgaria's SW services before the end of this year. Location is Plovdiv in Central South Bulgaria. Sweden Calling DXers

LIBERATION ARMY QSL. Perhaps the first QSL ever received from the Fukien Front has been translated into English by a visiting Chinese schoolteacher: "Lindsay dear, You're well? Received the letter you sent. Your broadcast on March 11, 1974 was received between 1046 to 1058 using 5176 kilohertz which was within my receiving range and I was fortunate in that respect. Thank you for writing in. Wishing good health." Lindsay Robinson

TWR SWAZILAND was due to begin tests in mid-September-early October with full programming possibly from 1 November. 4 transmitters of 25kw with 6 frequencies each, 6 log periodic antennas with 10db gain in different directional beams to Southern Africa, and 2 omni-directional antenna make up an impressive array. Languages will be initially English, Afrikaans & Zulu, with Swahili, German and Portuguese to follow. Tentative test frequencies are 3203, 3388, 3920, alternately 3935 or 3940. Following are also possible test freqs: 6175, 7135, 9615, 9625, 9640, 9670, 9760, 11715, 11810, 11910, 15135, 15165, 15235. Listen 0300-0600 & 1600-2000. Dan Robinson NASWA.

## New Zealand Radio DX League

### ADMINISTRATIVE OFFICE.

F.O.Box 1313, Invercargill.

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

### EDITORIAL OFFICE.

F.O.Box 2956, Wellington.

Only queries re the content and distribution of the Times, should be addressed to Wellington.

Closing date for contributions:-

First Wednesday of the Month.

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

Annual Subscription: NZ\$4.00

(Secondary Students: \$3.00)

50 YEARS OF SHORTWAVE RADIO. Almost unnoticed is the fact that 1974 is the 50th anniversary of shortwave broadcasting as we know it, for it was back in 1924 that PCJ Holland began transmissions in the 31 metre band with the Happy Station programme presented by Eddie Startz.

via RCSWC

VOIX DE LA REVOLUTION CONGOLAISE, B.P.2241, Brazzaville, Republique Populaire du Congo has the following current schedule: 0430-0700 GMT on 3232(4kw), 6115 & 4765(both 50kw); 0700-1700 on 3232 & 4795(both 4kw), 7175(25kw) and 9610(50kw); 1700-2300 on 3232(4kw) and 4765, 9715, 15190kHz(all 50kw). 15190(50kw) also is in use 1030-1400GMT. Bryan Clark

RADIO NOVA INTERNATIONAL is the new name for Radio Nordsee which was forced to close down in off the Dutch coast when the Dutch Marine Offence Act became law on 31/8. The ship "Mebo II" is due to relocate in the Mediterranean off Genova and begin broadcasts in Italian on 15 Oct. Frequencies of 1367 and 6210kHz will continue in use. A World Service in English will also continue to be broadcast on Sundays. SCDXers

LATIN SUNRISE. Chris Davis, Featherston has completed a chart of sunrise times for 13 locations, from Mexico City in the North to Stanley(Falkland Islands) in the South. This will be a useful aid to serious Latin DXers. A stamped self addressed envelope 9x4" to Box 2956, Wellington please.