



NEW ZEALAND DX TIMES

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VOLUME 25 No.11

JULY 1973

FROM THE **BOX 2956** MAILBAG

BON VOYAGE to National President Merv Branks and his wife Netta who will shortly leave for a well deserved holiday in Australia.

SW BANDWATCH Contributor's Forms have been mailed to branch secretaries and a sampling of members to gauge their effectiveness and usefulness. To date no difficulties have been encountered, and the SW Editor and typists welcome the support shown by contributors in helping to standardise their copy. An improved reprint of the form is under preparation. Meanwhile please note that this form is not compulsory. We only ask that SW contributions follow the format of Bandwatch, and the rules at the heading of the form. All members will receive copies of the Contributor's Form in due course.

COLUMBUS TROPHY time is here again. Which branch will win this year? Will Wellington's two-year stranglehold on all inter-branch trophies be halted? The Ranfurly Shield has nothing on this one!

BBC CRICKET We commend the BBC for the high technical standard of their ball-by-ball broadcasts in the current NZ Cricket Tour of Britain. The 9740 kHz frequency has given consistent reception to date.

PHOTOGRAPHS for our 25th anniversary issue are required at Magcom no later than the end of July. We ask older members to assist us in recalling the League's early days with suitable photographs. All care will be taken and all contributions returned.

GREETINGS to those attending the 1973 Convention of ANARC (Association of North American Radio Clubs) in San Diego, California 27 - 30 July. We hope the gathering successfully marks 1973 World DX Friendship Year.

POWER GAME. At the 1973 DX-Parliament held in Sweden last month the following resolution was passed: "It is only an illusion to believe that the problem of interference and overcrowding of the broadcast bands can be solved by putting up more transmitters and increasing the power output. It only tends to prevent serious listening to the content of the programmes themselves. Shortwave listeners gathered at the DX-Parliament at Lindesberg 1973 therefore urge all responsible authorities and broadcasting organizations to give their urgent attention to solving the problem by international agreement on frequency distribution, and in the meantime to slow down expenditure on expansion of their shortwave services."

ABBREVIATIONS LIST will be published at the first opportunity, and thereafter be supplied to all new members on enrollment.

-73 IN 1973 WORLD DX FRIENDSHIP YEAR-

CLOSING DATE FOR NEXT ISSUE: WEDNESDAY 1 AUGUST. DETAILS OF YOUR DX ACTIVITY, VERIFICATIONS, LADDERS & B.O.M ENTRIES TO BOX 2956, WGTN.

2 FROM THE BRANCHES

SOUTHLAND: The June meeting was held at Neville Henry's with 14 present.

Following routine business, the Countries List Committee reported on its progress and some of the difficulties encountered in deciding what was a radio country. Members discussed their various loggings and verifications. Competitions: Broadcast BOM KBES 1540 1kw and Merit Sharjah 1575 50kw both to Sutton Burtenshaw. Shortwave Over 9 to Alan Crawford BBC 21530 100kw; Under 9 to Lindsay Robinson Accra 4915 10kw.

OTAGO: 12 members attended the June meeting including newcomers Graham Pont and Errol Monson. A DXpedition to Longbeach has been arranged for 15 July. The enthusiasm of new members in the branch was noted and the importance of sending notes to the TIMES was stressed. This year the branch faces a tie for SW Best of the Year Award. Certificates will be printed for such incidents. Competitions BC Senior WMT Lloyd Townley, Junior KVOO D. Bruce, SW over 9 Sweden 11940 J. Aitchison, under 9 VL5UV Denise Shillito.

WELLINGTON: A demonstration of 2 aerial booster units using FET & MOSFET transistors coupled to longwire and loop antennae was the feature of the June meeting at which 12 were present. Members also recounted their visit to the Polytechnic Satellite Radio Station. The branches services have been offered to Radio Wellington-Hutt once they start transmissions in November. A series of interviews for Radio Australia's 'Club Forum' were recorded during the afternoon and are presently being edited for broadcast. Competitions SW Senior to Bryan Clark with Cologne 21600 & RBI 7185; Junior Morobe 3230 Tony King; Broadcast KICY Dene Lynneberg; Utility WWVH 2500 to Richard Walshe. Next meeting 1430 NZT 29 July at 82 Pirie Street, WN Central.

25th Anniversary Contest

To celebrate the League's 25th year, this contest has been organised for all members. We repeat the rules as first announced in the December 1972 TIMES, for new members and as a reminder to all!

- (1) There are two sections: broadcast and shortwave.
- (2) Entrants will verify one(1) station from each of twenty-five(25) countries for each section.
- (3) Verification rules of NZRDXL must be adhered to.
- (4) For this competition only, re-logs are acceptable but, of course must not be considered for entry in League Ladder Competitions.
- (5) All stations logged must have been notified to the TIMES in the month following and then again at time of QSL.
- (6) All stations must be logged during our Anniversary Year 1973 and entry of QSL's be in the hands of the Competitions Secretary, NZRDXL P.O.Box 1313, Invercargill, before 30th June 1974 and should include all relative details as required for TIMES B.O.M entries.
- (7) This competition will not have an outright winner, but every entrant successfully completing the course laid down, will receive the **NZRDXL 25th ANNIVERSARY CERTIFICATE.**

The League Verification Rules and Competition Rules are outlined in full in "DXing made Easy".

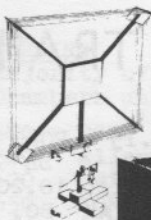
GOOD LUCK TO YOU ALL!

25th jubilee

DUNEDIN, NEW ZEALAND 29 - 30 SEPTEMBER 1973

Registration forms available from the Jubilee Committee, 86 Middleton Rd, Kew, Dunedin.

Enrolments already to hand from members in Invercargill, Dunedin, Oamaru, Timaru, Christchurch, Wellington & Australia!



BROADCAST DX with George Masson

KHAI CHANGES CALL : VOICE OF PEACE LOGGED

With Robin Chambers hearing all those South Americans and Sutton Burtenshaw still squeezing North Americans out of his favourite channel 1440, it just goes to show that June wasn't all that bad. Nigel Robins from Wainuiomata has been having much

success using a Mosfet loop booster. He writes: "Using a 5 valve Philips together with my 1 metre loop, I've added a MW booster which I have been using for about three weeks. The Booster cost was \$3 and it inductively couples loop and booster to multiply Q's." (This was the same method as described in part of the Space Magnet article in the Jan Issue) "Now have tons of volume left. All this month's loggings have been with the booster, without which, I would hardly have known they were there." I recently tried out Nigel's booster and I can assure you it works very well, with high gain and low noise. We'll be hearing more about this device in a forthcoming issue. Now down to the "workings."

ALAN CRAWFORD, Invercargill has logged CFRN 2AD JOIB OKFH 3GI JOSF KISA 4QL Masirah Is 1440, 6TZ Singapore 680 KAHU 3SH FEN 810 KGMB 6NA KLDA KKIS India 850 990 KHUH CBW. QSL's have come in from KISA KGMB KAHU KHSL Singapore 680 Bagdad 908 JOWF WLAC Kuwait 1133 CBW 4MS 3GI.

DENE LYNNEBERG, Titahi Bay has reports out to Assuan 11 1160 (a rethink after listening to tape confirms it not to be Abadan). Veries from XEROK CBW KICY after 12 months, KFRC 4MS Nuie 620 Kuwait 1133.

ELIZABETH HELLYAR, Bulls has had a quiet month with only QSL's from 1YZ 2YZ. No special reports to 2NI i.e. just a normal report. If you log it on July 7 or August 4 the special QSL card may be used by 2NI.

LINDSAY ROBINSON, Invercargill has logged 2AD 3GI 2M0 BBC Muscat 1412 701 Jammu 990 Attemedadbad 850 Alleppy 780. QSL's in from 3CV 5AU KFRE KLKA 710 Kuwait 1133. Your BOM entry showed power 750 kw but points for 1 kw.

BRYAN CLARK, Wellington has logged A3Z HJCY Sutatenza 810 JORO Okinawa VL2NI. QSL in from XEROK.

ARTHUR CUSHEN, Invercargill has verified KBES 4QR KISA KVOO and has reports out to HJDP 1025 and YVKZ 1055.

KEITH ROBINSON, Kapuka has reported BBC 701 7ZR 3WV 2BY 6GF 3CV. Verified 5RM Suva 710 4ZR CJVB 5SE KHAI 4QL 2BE USSR 1250 7ZR KTW0 2BY KGIW BBC 701.

SINCLAIR BENNETT, Christchurch lists logs as 2KM 3ZO 2NU 2YB Singapore 790 1YW 2GZ 2HD Voa Thailand 1580 1XX 3UZ 2WN 3LO Fiji 890. QSL's are 3MA 4WK 2YB 2NU Singapore 790 3ZO 2GZ.

JOHN NEWMAN, Twizel KRLD A3Z 2NR XET logged while QSL's from WBAP KPOL KORL 2NR A3Z. Hope there are plenty of Heatway loggings!

PAUL ARONSEN, Invercargill has logged CKFH JOWF HLDA AFNT 1550 XEPRS. Veries in from BBC Masirah Singapore 630.

IRENE SIMPSON, Invercargill has logged WBZ KSCO KNX and Fiji 710. Verified WBZ KSCO.

CRAIG CRAWFORD, Christchurch has logged QSZO YVKZ WIVV 1370, HJDB KHVH XEPRS OAXLA WR0L 1490. Veries in from WSZO CHUB Tropicana plus a three record set from CBS New York.

WAYNE CAVANEY, New Plymouth has logged 4WK 2UW. Keep at it Wayne.

FRANK A WILSON, Dunedin has no logs but veries from 4QR 4QA 4NA.

4 SUTTON BURTENSHAW, Invercargill still hearing the quality DX especially on 1440 has logged 3AW 7SD TIBB 1225 HJHJ 600 XELZ (2nd) 1440 WRBE 1440 BBC 1412. Veries in from KBES XELZ 4QR 3AW.

ERIC MCINTOSH, Invercargill has them out to 2BE 2LT 3CV 3HA 3WV 3YB 4QR 4NA 5AU 5SE 6WF Singapore 790 Masi-rah 1412. Veries from 2BE 3CV 4RO and 5SE.

JONATHAN AITCHISON, Dunedin in the middle of exams but has managed to log 4QS 2SM 2UE 2KY 4XO 3ZM 2WL. QSL's from 4XD 2CR 2CY. Good luck with exams.

MICHAEL POLLARD, Christchurch has logged Noumea 670 Suva 560 JOQR Singapore 790 KNX. Rewards nil.

MERV BRANKS, Invercargill has veries from 5SE KISA JOAP 4ZB 4MS 5DN. Reports out to YVKZ (Thanks Sutton) KIOE 4NA BED32 BED88 A3Z DZWT AIR 910 6TZ Sri Lanka 600. Have a marvellous trip Merv !

ROBIN CHAMBERS, Opunake has them out to ZNS1, Kuwait 1133, Sharjah 1575, HJDB Syria 782 Tel Aviv 1025 ECS11 1385 Qatar 674 CB138 (Magallanes) 2KM Voice of Peace 1540 YVZQ. Verie from HCFA2. "Great" VOP !

NIGEL ROBINS, Wainuiomata has logged 3ZO CHUB CFRN KGBT KRAK KNX KEX KYXI WKLE WVUV KORL KHVH KAIM KNDI Portales 1180, Singapore 790 VQO plus the Voice of the Revolutionary Party for ReUnif-ication, Korea 1135. Has received QSL's from KING WLAC XERF Fiji 710. Really showing that Wainui is not too bad for MW !

BRYAN GALL, Palmerston North has a QSL in from 7EX.

GGGGGGGG

BEST OF THE MONTH

SENIOR

KICY Nome Alaska 850 khz 5kw
Dene Lynneberg 153 pts.

JUNIOR

R. Tropicana, Guayas, Ecuador 540.
10kw 144 points.
Graig Crawford.

BROADCAST TRAIL

EVENING

550 Cuban good // 590 5.15 RCh
590 Cuban 5.40 SB
800 PJB Strong 9.15 (GM) also 10.20.
810 HJCY Sutatenza 10.20. AK BC.
850 HJKC strong 5.15 & 8.15 RCh
855 OAX4H strong 5.15 RCh
870 KAIM relig mx 9.55 s/off 10.05
880 OBZ4N Union exc 4.30. RCh
960 HJHN Sutatenza good 10.30. AK
990 HJDB Medellin fair 6.40. RCh
992 Asian good 10.40 RCh
1030 Solomons good 10.10 NR
1030 HJDJ chimes 5 RCh
1048? Asian fair 10.40 Thai? RCh
1055 YVKZ 5.45 SB
1080 KIOE 6 Radio 108 x KHAI MB
1080 KRLD/KSCO good 6.15 SB
1120 WVUV good Eng nx 9.30 NR
1170 KOHO Jap 6.08 with KV00 SB
1180 Portales fair. hora ? NR
1190 KEX 6.03 SB
OAX1E Chiclayo good 4.55 RCh
1225 TIBB tough with NZ 1220
1212 HJBE Internacional good 4.50.
1260 CFRN pop mx good NR
1260 KGIL tone test Suns SB
TT Mon 4/6 Who ? SB
1265 Paradise relig recordings
9.04 SB
1300 CB130 good with het 4.45 RCh
1320 OAX4I La Cronica exc 4.55 RCh
CHQM good most nights SB
1370 WIVV ?? behind 22P 4.30 OC
1380 CB138 Exc Span and Eng songs
4.50 - 5.25. RCh
Station is Magallanes x 1010 BC
1385 WKLE CBS news 9.30 with ID
and jingle NR
1440 XELZ 11.15 SB
KUHL s/on 12 SSB then Sp SB
WRBE s/on 11.45 24/6 SB
CFCP 11.50 'Total Radio Wx' SB
1450 YVZQ Petroquimica good 3.50
to s/off 4.03.
1520 KYXI with TT sun 24/6 11.28 NR
1530 KGBT Panamericana Sp nx 11.10.
1570 CHUB "CHUB 24 hours a day
sung at 9.06. NR

VERONICA
538
nu op volle kracht

MORNING

Majority of contributions from Robin Chambers unless otherwise credited.

- 540 DZWT 3 off after DYVS MB
- 580 Alleppy good 4.05
- 600 Sri Lanka 5.5 off Mons MB
- 650 KORL tele talk show 12 NR
- 670 Calcutta strong 4.05 QRM Ch
- 674 Qatar good 7.20 - 7.45
- 677 Israel good 7.20
- 755 Yemen good 7.30
- 763 DYNC s/off 4.04
- 764 Sudan fair 7.55
- 782 Syria strong 7.55 - 8.10.
- 790 Singapore strong Eng Nx 3.30NR
- 810 FEN Tokio good 5 with Eng Nx NR
- 835 Chinese strong 3.55
- 850 DZGE off 4.04 good
- 856 Thai good 4.40
- 885 Damman fair 5
- 890 BED32 callsign list 4 with HLKB closing. NR
- 960 6TZ good off 4
- 1025 Israel fair Arabic 7.25
- 1040 KHVH Music till Dawn. Sports 12.45 NR
- 892 ??? Xmas carols 7.10 - 7.35 BC
- 5/7 when Aussie tone on. Jap also on 890. BC
- 1097 Russian good 7.25
- 1115 Weak 7.25 ??
- 1124 Libya good 7.30
- 1133 Kuwait good Eng 5 - 5.30.
- 1135 North Korea ? Strong 1.46 in Korean. Eng 2. NR
- 1170 BED88 5.30 s/off with anthem MB
- 1190 DWZL 12.50 - 1.30. Echo ann "Zee L" Location anyone ? NR
- 1295 Arabic good 7.50
- 1298 Philippino fair 4.05
- 1312/13 Thai fair 4.10
- 1335 Indonesia exc 4.15.
- 1330 JOSF still good 6.40 BC
- 1345 Kuwait good 4.15
- 1385 EGS11 fair good 7.55 - 8.21. on 7/6. Ann 'Radio Centro programa..manana..Radio Centro la voz musicana..la capital radio."
- 1394 Albania weak 7.04.
- 1466 MonteCarlo good 7.40.
- 1530 Djibouti good off 8 with drums Sun mornings
- 1546 Russian exc 7.05
- 1554 Nice good 7.50.
- 1570 Spanish fair mixed Aussie 8.23 7/6.
- 1575 Sharjah fair 5.45 - 6.45.

DX FORECAST

5

JULY

- 5.30 - 7.p.m. U.S. Mexico
- 4.30 - 6.p.m. South America
- From 10.30.p.m. Asians. Watch Split frequencies.
- 8.p.m. - 9.30. Pacific Islands.
- 10.p.m. - 11.30. US East Coast with Central around 11.

AUGUST

- 6.p.m. - 8.p.m. USA
- 6.p.m. - 7.p.m. Mexico
- 5.30.p.m. - 6.30.p.m. Central & south Americans
- 9.30 - 10.45.p.m. U.S. East Coast
- 10.p.m. - 11.30. Central/South Am.
- 2.a.m. - 4.a.m. Asians good
- 5.a.m. onwards Middle East
- 6.a.m. - 7.30.a.m. Europeans.

Happy hunting !

? HABLA ESPANOL ?

Robin Chambers Opunake notes good conditions from Central and South America during June with many unidentified split frequency signals. 610 khz rapid Spanish with 615 khz in parallel; 625 khz fair in Spanish at 4.40.p.m; 675 and 735 noted at 4.45.p.m; 775 and 1115 at 5.50.p.m. A strong Spanish signal was heard on 1015 khz at 4.55. Colossal was not audible on 1025 at this time. At 4.50.p.m. Latins noted on 1035 and 1125; 1050 was fair 5.15 to 5.25; 1055 good around 7.10.p.m. A strong signal was also on 1174 from 4.38 to sign off 4.59.p.m. with another good close on 1175 at 4; others on 1425 at 4.35, 1548 at 4.40, 1465 at 4. Finally on 1385 a Latin monitored 4.02 to 4.31 good at times. Announced: Radio Pentico.. la popular... la voz de.. Caracas."

? Any ideas señor de Rakaiia ?

STOP PRESS

It has been established that Radio Colossal is now on 1015 khz.

NEW ZEALAND

Radio Avon is scheduled to open on August 1 on 1290 khz, operating with 2 kw 24 hours a day.

The new Wellington private station is to open on November 1 on 1080 khz, using 5 kw and it will operate 5.30.a.m. to midnight Monday to Saturday and 6.30.a.m. to 11.p.m. Sunday.

The licence for the Thames station scheduled for 1020 khz has been taken up by a new company headed by Keith Ashton. They propose operating on 810 khz with 2 kw according to a telephone conversation Arthur Cushen had with Keith Ashton. The Minister of Broadcasting and the Broadcasting Authority have accepted the application and a hearing is shortly to be held. **AC**

HAWAII

KIOE is the new call for KHAI on 1080 and the station is using as its slogan "K-108" **AC**

MASIRAH ISLAND

The BBC relay station is to move from 1412 to 1320 khz shortly. It carries the World Service and is heard best around 6.a.m. **AC**

NORTH KOREA (We believe)

Nigel Robins has heard the "Voice of the Revolutionary Party For Reunification" in English 2 to 2.30.a.m. on 1135 khz. Strong signal but QRM from AIR on 1130. News and comment. The location is stated as South Korea but has Pyongyang-type programming. In Korean prior to 2.a.m. **NR**

GILBERT & ELLICE ISLANDS

The existing 10 kw MW transmitter in Tarawa serves the Gilbert Islands reasonably well, the most distant of which is 350 miles away from Tarawa. Some fading is experienced here. Reception in the Ellice Islands 500 to 800 miles away from Tarawa, although acceptable it suffers from fading, noise and interference from other stations. The collection of news and broadcast material from the Ellices is difficult so it has been decided to open an office in Funafuti in the Ellice group. Studio facilities will be provided and a pair of Marconi B6023 1 kw transmitters in parallel will operate at the bottom end of the broadcast band, possibly on 580 khz. It is hoped to relay the Ellice dialect and English programmes from Tarawa and to originate local Ellice programmes. If this is found to be unsatisfactory the installation of an HF link will have to be considered. The new service is planned to come into operation in August 1973.

- From ABU Technical Review via Bill Pearson.

There may be some political motive behind this move as the Ellice group have been campaigning for independence from the Gilberts for the last two years, even to the extent of organising a petition to the Queen. **AK**

NEW HEBRIDES

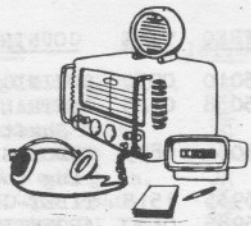
David Ricquish last December heard a station with ORTF identification on 1430 khz. A letter to Noumea resulted in advice from the Director of ORTF that this mystery could be a 1 kw station in the New Hebrides transmitting in English and French (including ORTF relays) and Pidgin on 1420 khz. We await the outcome with interest, of a report sent to Vila.

SOUTH KOREA

Stations of the Christian Broadcasting System are relaying VOA's Korean services. **JSWC**

FEBG Gheju Island 250kw 1570 khz address is I.P.O. Box 3939 Seoul.

SW BANDWATCH



ALL TIMES GMT FREQUENCIES IN KILOHERTZ

Shortwave conditions during the past month appear to have stabilised after the earlier geomagnetic disturbances. Low frequency reception has rewarded many members this month, with listings from Papua-New Guinea, Indonesia and Latin America. Yet another New Guinean has appeared, on 3275kHz while the station listed last month as possibly British Honduras 3300 has now been identified as Radio Cultural, Guatemala. A quiet month in other respects.

FREQ	TIME	COUNTRY	PROGRAMME & RECEPTION DETAILS	INITIS
2468	0730	PAPUA-NEW GUINEA	Popondetta fair with requests.	<u>PG</u>
3220	0958	PAPUA-NEW GUINEA	Radio Morobe local news programming in Pidgin <u>BC</u> 0830 Requests <u>EM</u> 1947 C&W music, s/on annct 2000.	<u>BH</u> <u>PG</u>
3240	0600	PERU	Radio America with Western pop music.	<u>SG</u>
3260	0749	PAPUA-NEW GUINEA	Radio Madang fair with requests.	<u>JG</u> <u>PG</u>
3275	0758	PAPUA-NEW GUINEA	Radio Southern Highlands, Mendi with apparent s/on annct 16/6. <u>SG</u> 0923 good 11/6 <u>PG</u> 1000 Pidgin news <u>AC</u> (First noted in Australia 8/6 according to <u>RA</u> .) <u>JG</u>	
3290	0758	GUYANA	Action Radio GBS tuning signal for 10 mins till 0812. Cigarette adverts heard after 0900. Fair.	<u>JG</u>
3300	0500	GUATEMALA	TGNC Radio Cultural with popular light music, not in Latin style. Listed 500w. Corrects entry for June. <u>DL</u> Ident verified by Glenn Hauser of NASWA as new frequency.	
3305	1958	PAPUA-NEW GUINEA	VL8BD Radio Western Districts, Daru <u>VG</u> at s/on. Morobe, Rabaul, Kerema & Milne Bay all fair at this time. <u>BC</u> . 0810 fair, though noisy.	<u>JG</u>
3325	1655	INDONESIA	Unidentified at good level to after 1900 on 29/6 & 1/7. Probably RRI Palangkaraya on extended schedule.	<u>DL</u>
3360	0737	PAPUA-NEW GUINEA	Milne Bay, fair. <u>JG</u> 0858 fair. <u>PG</u> Best P-NG.	<u>BC</u>
3385	1046	FRENCH GUIANA	Cayenne weak under Rabaul.	<u>PA</u>
3408	0950	INDONESIA	Radio Angkatan Udara with Indonesian talk & music.	<u>JM</u>
3668	0905	PORTUGUESE TIMOR	Dili with music prgm. Many idents.	<u>PG</u>
3935	1512	INDONESIA	YDH2 Semarang, fair.	<u>PA</u>
3960	1935	IRAQ	Voice of the Public, Baghdad fair in Arabic.	<u>JM</u>
3975	1537	INDONESIA	YDI2 Surabaya, fair.	<u>PA</u>
3997	0443	SOUTH AFRICA	SABC poor with English & vernacular prgms.	<u>JM</u>
4635	1727	TADZHIK	S.S.R., Dushanbe, good.	
4764	1058	INDONESIA	RRI Medan with local music. Behr, R88ves, Padula	<u>NASWA</u>
4765	0510	CONGO	Radio TV Congolaise, fair in French. Also fair 1830.	<u>DL</u>
4781	1040	HONDURAS REP.	Radio Juticalpa in Spanish with adverts. ** <u>NASWA</u>	
4785	0443	PERU	Radio Atlantida good strength until s/off 0500.	<u>SG</u>
4790	1215	INDONESIA	RRI with new frequency in Indonesian.	<u>JSWC</u>
4800	1021	VENEZUELA	Radio Lara with good signals in Spanish.	<u>PA</u>
4820	0400	HONDURAS REP.	HRVC fair with English religious prgm. <u>SG</u> Good	<u>PA</u>
4856	0410	PERU	Radio Chinchaycocha, good in Spanish with popular music & frequent ident "Esta es Radio Chinchaycocha".	<u>DL</u>
4875	0255	BOLIVIA	CP75 logged to s/off 0306 with English anncts. Also noted at good level at 0950.	<u>SG</u> <u>PA</u>
4882	0630	COSTA RICA	TIHB Radio Capital clear to s/off 0700 with ids.	<u>JN</u>
4910	0800	DOMINICAN REPUBLIC	HIN fair reception. <u>BG</u> 0749.	<u>PA</u>
4990	0710	PAPUA-NEW GUINEA	VLK4 Port Moresby. Call change to VLT4 0745.	<u>SG</u>
4915	0600	GHANA	Radio Ghana, Accra weak with English news.	<u>BH</u>
4975	0408	PERU	OCX4H Radio del Pacifico fair to s/off 0430.	<u>SG</u>

<u>FREQ</u>	<u>TIME</u>	<u>COUNTRY</u>	<u>PROGRAMME & RECEPTION DETAILS</u>	<u>INITIALS</u>
5010	0730	DOMINICAN REPUBLIC	HIMI Santo Domingo, good.	PA
5038	0525	CENTRAL AFRICAN REP.	Bangui, fair. French talk with tune 'Shaft' as theme at 0530. (S/off 2300 KB)	DL
5054	0835	INDONESIA RRI	Ujung Padang with musical prgm, fair improving to good at 0900 when clock chimed 5 o'clock.	DL
5935	1515	TIBET-CHINA PBS	Heitsuang in Tibetan //9490.S/off 1548.	JSWC
5985	0130	ARGENTINA LRS2	Radio Splendid VG full ident, popular music.	DL
5990	0800	ECUADOR HCJB	Quito with strong signals.	EM
5995	0000	VATICAN STATE	Vatican fair in Spanish, mixed unident station	DL
6006	0635	COSTA RICA	Radio Reloj, Spanish music prgm. KB 0330 Nx fair. JMa 0930 fair reception.	BG
6010	0300	EL SALVADOR	Radio Nacional fair in Spanish, new freq. Lohe	NASWA
6010	0130	WEST GERMANY	Deutsche Welle good in English to Nth America	DL
6015	2100	GREECE VOA	Rhodes with English news, good.	AC
6015	0316	CZECHOSLOVAKIA	Prague good level to North America.	JG
6015	1045	COLOMBIA	Radio Mira religious prgm & Music to 1105. Lohe	NASWA
6025	0345	PORTUGAL	Lisbon good reception in English.	JA
6025	1920	KUWAIT	Radio Kuwait Arabic Service, fair. JM S/off 2115 good	AC
6040	0259	COLOMBIA HJLB	La Voz del Tolima, chimes & full ident, good.	DL
6065	0300	SPAIN	Radio Nacional de Espana good with news & music.	LR
6065	0400	BRAZIL	Radio Nacional with Portuguese music. ASWLC Lohe	NASWA
6070	0724	CANADA CFRX	Toronto full ident during pop prgm. KB 0700 poor	BG
6075	0900	COLOMBIA HJCT	Sutatenza clear on the transistor!	BW JN
6085	0435	CANADA	Deutsche Welle via Sackville, English fair to Nth Am.	SG
6130	0618	CANADA CHNX	Halifax. Verified in 19 days with personal ltr.	SG
6135	0330	POLAND	Warsaw Radio good to North America.	LR
6135	0900	SOUTH KOREA	KBS Home Service good with talk in Korean.	DL
6155	0405	SWAZILAND	Swazi Radio under Cologne. ASWLC. 0439 English anncts, pops, c&w music and identification. Sparks, NASWA	
6160	0658	COLOMBIA	Emisora Nueva Granada RCN prgm. KB 0709 HJKJ fair.	MP
6580	1900	NORTH KOREA	Pyongyang with English news, good signals.	BC
7098	0914	INDONESIA RRI	Yogyakarta has English/Indonesian language lesson. 0925 Local ident then childrens' songs. Fair-good.	DL
7115	1927	ZAIRE	La Voix du Zaire with folk music. Overall poor.	JSWC
7125	0650	GUINEA REP.	Conakry poor in French. JM Suffers CW interference.	DL
7130	0850	TAIWAN VOFC	Taipeh, Japanese to 0950, Korean to 1020. Good.	DL
7135	0515	FRANCE ORTF	Paris good in English. JF 0530 fair.	BG
7165	0405	ETHIOPIA ETLF	in English, Sundays. JM 0350 VG in Swahili.	DL
7180	1030	MALAYSIA	BBC Tebrau good in Indonesian to s/off 1100.	BW
7190	1900	DAHOMY	Radiodiff. du Dahomey fair in French with music.	JMa
7200	0200	GREAT BRITAIN	VOA via Woolferton, good.	JG
7210	0615	SENEGAL	Dakar continuous nx till French nx 0703. JM 0656 sign-on Sundays with idents then news in French.	KB
7215	2100	INDIA AIR	Delhi fair with English news.	AC
7240	2200	YUGOSLAVIA	Belgrade fair with Home Service.	AC
7260	0330	COMORO ISLANDS	ORTF Moroni under BBC, with chants. Heutte	NASWA
7260	2000	ISRAEL IBA	Jerusalem good in English, mixed German-RBI?	DL
7270	0310	POLAND	Warsaw Radio at very good level.	JG
7275	0415	ITALY RAI	Rome, English till 0440 then Italian. BH 0430 good	BG
7295	2030	GREECE	Athens in Greek to Azores until s/off 2050.	JM
9475	0200	EGYPT	Radio Cairo good in English to Nth America. JMa. 0300.	CC
9500	0630	ALBANIA	Tirana good in English.	PJ
9510	0230	VENEZUELA	Radio Barquisimeto poor with talks in Spanish.	JMa
9520	0200	DENMARK	Copenhagen English ident then Danish to N. Am. Good.	JG
9525	0800	SOUTH AFRICA	Radio RSA, Johannesburg poor on new freq to NZ noted 6/7. Also 11970 & 15220 (daily except Sunday) inaudible	JM

FREQ	TIME	COUNTRY	PROGRAMME & RECEPTION DETAILS	INITS
9545	0115	SOLOMON ISLANDS	Honiara fair opening in English AC 0814.	LR
9555	0630	UNITED STATES	VOA Greenville with Breakfast Show.	LR
9570	0220	ROUMANIA	Radio Bucharest DX programme Saturdays, fair.	BC
9570	1000	AUSTRALIA	RA-Shepparton good in English to Asia. CC Note locale.	JM
9580	2000	BULGARIA	Sofia in Arabic, blocked 2020 by RA fading in.	JM
9601	2240	TUNISIA	Tunis Arabic Home Service. Nx 2300.S/off 2340.	JM
9615	2210	VATICAN	Vatican Radio VG. JA English to Aust/NZ PJ 2223.	JG
9620	2200	YUGOSLAVIA	Radio Belgrade good with English prgm, news.	DL
9625	1955	ISRAEL	Jerusalem heard opening in English, poor.	EM
9645	0400	NORWAY	Radio Norway, Oslo fair reception.	BG
9655	2255	BELGIUM	BRT-RTB Brussels English to 2315. SG JM 0042-0100JAKB Replaces 9550. 15235 in // mixed with AIR Delhi 0043.	BC
9655	0330	AUSTRIA	Austrian Radio, Vienna good. BG 0332 Excellent.	JG
9665	0200	SWEDEN	Radio Sweden, Stockholm fair in English.	AC
9665	1109	MALAYSIA	Radio Malaysia Home Service English news, good. 0030 Kuala Lumpur English news & cigarette adverts.	MP KB
9675	1139	PERU	Radio de Pacifico with Latin music to 1202. TuchsherNASWA 1215 noted daily in Japan with Spanish.	JSWC
9675	0200	POLAND	Warsaw in English. EM KB 0315 Mailbag, Saturdays VG.	MP
9680	1430	INDONESIA	RRI Jakarta. English nx 1448, Arabic 1500. Behr NASWA	JM
9695	0830	AUSTRALIA	RA opening in Indonesian. Location Shepparton?	JM
9710	0515	FRANCE	ORTF 'Paris Calling Africa'. Excellent in English.	CC
9720	0023	EAST GERMANY	RBI Berlin excellent in Spanish.	JM
9730	0116	EAST GERMANY	Radio Berlin International good with news.	LR
9745	2050	IRAQ	Baghdad in German. 2104 French. Fair due heterodyne.	DL
9750	1159	PHILIPPINES	S.E.A.R.V. full English s/on, then Burnese.	DL
9770	1030	PERU	Iquitos VG s/on in Spanish. ".OAX8A..OAX8C.. Radio... expresion de la Revolucion Peruana dos..del pueblo.. transmitiendo desde Iquitos" Station name Radio San Maree or Sabaree or similar. Presume replaces Radio Amazonas.	DL
9770	1110	HAITI	4VEH fair with English religious prgm to 1130. JM News in English 1130. Co-channel splatter Peru.	DL
9912	2200	INDIA	All India Radio prgm for NZ till s/off 2230.	SG
10530	0345	ISRAEL	IBA Jerusalem s/on in Russian. Fair for 1 minute 'then jammed out of existance!'	DL
11600	0930	CHINA	Radio Peking, very good in English. (11720, 0830PM)	PJ
11710	0741	NEW CALEDONIA	ORTF Noumea good with music programme.	LR
11715	0439	SWITZERLAND	SBC Berne good in English.	JF
11735	2230	LITHUANIA	Radio Vilnius with "News of the Week from Lithuania" until 2300. Good. (Also 11930 at 2255 JH)	DL
11755	1900	MONACO	Trans World Radio, English id, then Yiddish. Fair.	JM
11755	2030	FINLAND	Helsinki weak in English. PG Good BH	JN
11790	0230	LEBANON	Beirut very good reception. JA English excellent.	PM
11800	0445	ETHIOPIA	ETLF s/on in French, good. Interf from Canary Is.	DL
11805	0620	UNITED STATES	AFRTS fair in English to Far East. (Delano)	BW
11810	0415	JORDAN	Amman fair with tuning signal.	LR
11815	0100	NETH. ANTILLES	TWR Bonaire English news to 0133. Excellent	CC
11840	2000	POLAND	Warsaw good in English to Europe.	PM
11840	0305	PORTUGAL	Lisbon excellent in English to Canada.	PM
11850	0230	CHILE	CE1185 fair in Spanish with music programme.	JMa
11890	0915	PHILIPPINES	DZF9 excellent in English to Aust/NZ.	PM
11900	0338	UKRAINIAN	SSR Kiev excellent with Mailbag, Sundays.	MP
11910	0310	HUNGARY	Radio Budapest with news & actualities, V.G.	MP
11925	0617	NIGERIA	Lagos with Editorials followed by 'ListenersChoice' JM	JM
11930	0446	NETH ANTILLES	TWR Bonaire English ident, then Armenian.	KB
11935	0345	PORTUGAL	International Service excellent in English//6025	BH
11935	0500	NETH. ANTILLES	TWR Bonaire good in European language.	CC

10	FREQ	TIME	COUNTRY	PROGRAMME & RECEPTION DETAILS	INITS
	11945	0500	ISRAEL	Jerusalem, causes interference to Sweden 11940 Both	JA
				Good BG. English news //11705 Both	CC 0515 French news
	11965	0600	AUSTRALIA	RA-Shepparton with Tongan Rugby Tests.	BC
	11970	0515	SOUTH AFRICA	Radio RSA good in English. Co-channel Tunisia.	DL
	15100	2000	EAST GERMANY	Radio Berlin International English to Africa.	CC
	15160	2345	UNITED STATES	Voice of the Organisation of American States (OAS) Greenville in English. Spanish 0000. Co-channel QRM from Radio Australia & Algeria.	JM
	15170	2200	LIBERIA	ELWA Monrovia religious prgm in Arabic, fair.	JMA
	15205	0000	PAKISTAN	Karachi's World Service English news & commentary.	JM
	15235	2305	BELGIUM	Brussels fair in English. JH Mixed AIR 0045.	BC
	15290	0400	SYRIA	Damascus Arabic Home Service, faded out 0430.	JM
	15295	0530	FRANCE	Paris Calling Africa, Very good signal.	PJ
	15345	0532	KUWAIT	Radio Kuwait fair in English.	JH
	15345	0800	NORWAY	Oslo with English news on Sundays only.	CC
	15405	2030	ALBANIA	Radio Tirana opening in Russian. Heavy jamming.	JM
	15425	0650	EAST GERMANY	RBI poor in English under VLW15 Perth.	JH
	15520	0130	BANGLADESH	Dacca good with music programme.	LR
	17700	1242	EAST GERMANY	RBI Berlin fairly good in English.	JH
	17725	0215	JAPAN	NHK Tokyo good to Americas //17745 good, 17825 exc. All	PM
	17760	0045	UNITED STATES	WNYW New York. English news 0100.	LR
	17800	1125	VATICAN	Vatican Radio poor in English to Aust/NZ.	BH
	17830	1030	SRI LANKA	Colombo with English to Asia // 15120.	KB
	17850	0750	AUSTRIA	ORF Vienna fair with German to Australasia.	JM

CONTRIBUTORS:			
PJ Peter Jackson	LR Lindsay Robinson	JG Jill Grenfell	MP Michael Pollard
PA Paul Aronsen	BH Bill Huddleston	PG Peter Grenfell	EM Eric McIntosh
JH Jean Hillier	DL Dene Lynneberg	AC Arthur Cushen	BG Brian Gall
JM John Newman	JA Jonathan Aitchison	JF Jack Farrow	BW Bruce Williams
KB Keith Barton	CC Colin Campbell	JMa Jackie Masek	JM John Mainland
	NASWA North American SW Association		
	ASWLC American SW Listeners Club		THANKS TO
	JSWC Japan Shortwave Club.		YOU ALL!!

EQUIPMENT REVIEW

Thanks to members who have sent in details of their radios & associated gear. Contributions to hand show a vast variety of receivers. These will be published as space permits in the Times. To set the ball rolling and in response to several enquiries, first victim is your Editor Bryan Clark who, when time does or does not permit, DXes with an Eddystone 680X 15 tube communications receiver, 30m external longwire, 4 foot square BCB loop, Sansui 600L amplifier/tuner (FM DX planned!), a faulty Crown cassette recorder (i.e. doesn't work), and the one and only Barlow Wadley XCR-30 Mk 2 crystal controlled portable receiver. "Not just another transistor portable radio, more a communications receiver in disguise!" says the 'Electronics Australia' May 1973 issue in a 1 1/2 page review. The B-W has taken European & American DXers by storm and has just hit the scene in Australia, but I fear that its success here could be hindered by costs/tax. viz..the following cost comparison with the Eddystone EC10 receiver.

Receiver	UK Retail Price	Australian Price	NZ Price
Eddystone EC10	£86.50 (NZ\$168.68)	NZ\$205 incl. tax	NZ\$407!!
B-W XCR-30 Mk2	£89.50 (NZ\$174.53)	NZ\$225 incl. tax	???

I understand that a visitor to Australia armed with the appropriate Customs form, can purchase an item less 27 1/2% sales tax which could bring the B-W price down to NZ\$163.12. In our next installment a few facts re performance.

SHORTWAVE MAILBAG with John Mainland

Verifications to mention this month are Dene Lynneberg's RRI Menado and the 11 15165 khz outlet of the Israel Broadcasting Authority from Jerusalem. Harry Weatherley, Melbourne reports two Zambian frequencies verified. Steven Greenyer Invercargill is rewarded with two of the 49 metre band low powered Canadian stations CFRX and CHNX, the latter winning this month's under 9 khz section of the Best of the Month. Entries, incidentally, for this competition were very few this month. Let's see if we can have more next month.

NIGEL ROBINS, Wainuiomata has logged VL5UV, and QSL'd RRI 6045, ABC Lyn 61 6150, Israel 11945, 11705.

LINDSAY ROBINSON, Invercargill has logged 33 and received QSL's from Paris 15295, DW 6100 Ghana 4915 R. Lara 4800 Kerema 3245 RSA 15160 CBC 9635 6085 RNI 6205 gives Lindsay 500 QSL's shortwave. Would appreciate Bandwatch listings in the format of Bandwatch - send for forms. You've collared some good DX there Lindsay.

PETER JACKSON, Dunedin has 5 reports in Bandwatch.

DEREK BENFELL, Wellington on his Eddystone 940 has logged Action Radio 3290. Welcome. Let's hear more.

JOHN NEWMAN, Twizel has logged 10 in the last two months and QSL'd RA 9 freqs, WNYW 9690 Turkey 11880 Finland 11755 ORTF 7135. Thanks for your more noteworthy observations John. The transistor appears to be quite effective.

JILL GREENFELL, Oamaru has 18 loggings with QSL's in from Canada 9625 Portugal 17880 Belgium 15235 SBC Berne 9590 RA 15320 17795 Solomons 3995 Jerusalem 9009 CBC 6125 Finland 15185 Portugal 21495. Some worthwhile varies there Jill. Thanks for Caroline clipping.

PETER GREENFELL, Oamaru also tumbled out of the same envelope and has 9 logged with QSL's in from Belgium 15235, Lisbon 17880 Baghdad 9745 Popondetta 2468. In recent years have had no luck with Lisbon. Glad you like our Bandwatch form.

PETER MAURICE, Auckland has 18 reports out and QSL's in from Korea 9640 Egypt 9475 Austria 9655 Holland 9715 Poland 11840 China 11685 11720 15095 17835. R Nederland 9715. Thanks Peter.

HARRY WEATHERLEY, Victoria has 4 loggings and QSL's in from Sabah 4970 Lara 4800 RTV Dominicana 9505 Zambia 11880 17895.

ARTHUR CUSHEN, Invercargill has QSL's back from CBC 11825 6145 Madrid 9620 RAE 9690 Paris 6030 Israel 11705 11945 ORU4 9655 Vati-can 11845 Prague 9740 Havana 11910 RA 7260 7180 21675 RSA 15160 ORU 9655.

DENE LYNNEBERG, Titahi Bay has 19 in Bandwatch and QSL's in from CBC 11850 RRI Menado 5987 VOA Kavala 11705 6160 DW Kigali 9700 Vatican 5995 15200 Israel 15165 BBC Tebrau 3915 SIBS 9545 RA-Shepp 11965. Some nice varies there Dene!

BRIAN GALL, Palmerston North has 10 reports out and QSL's from Kuwait 9600 Canada 5970 Norway 9645 Portugal 6025 IBRA 9670. Separate sheets for each section Brian please with name on each.

KEITH BARTON, South Australia has three reports out and QSL's in from Liberty Spain 11930 JOZ3 Stockho n 11940 RSA 15160 Teheran 9022 Kota Kinabula 5980.

MICHAEL POLLARD, Christchurch has logged nine and QSL'd VL2UV HCJB 5990 RNE Canary 11800 Bougainville 3322.5, VOA Greenville 17815 Ned Lopik 11730 RA Dar 17870. Cassette will be an immense help to boosting the loggings in the contest.

JACK FARROW, Lower Hutt is mounting them up with new ones from RA 4 freqs BBC 11955 Japan 17855 Canada 9625.

WAYNE CAVANEY, New Plymouth in his first report has a QSL from RFE. What frequency wayne?

12 ALAN CRAWFORD, Invercargill has three logged and QSL's in from Romania 11920 SBC 6120 11720 BBC 21530 RNI 6210. Thanks Alan.

JONATHAN AITCHISON, Dunedin has logged 8 this month and collected cards from BBC 7150 9410 RAI 9710 SBC 9590 Sweden 11940 Nederland 9715 Korea 9640 FEBE 11920 Israel 9009.

BRYAN CLARK, Wellington has 7 reports out this month and QSL's in from Bloemedahl 15160 RBI 7185 Guyana 3290 RA Shepp 21675 Teheran 9022 DW Kigali 9700 DW Cologne 21600 Montreal 9655. Some interesting ones there Bryan. I see Guyana turned up at last !.

STEVEN GREENYER, Invercargill has QSL's in from CHNX 6130 CFRX 6070 Cairo 9475 NHK 17855 Korea 2510 ORTF 6030 Espana Independiente 12140 Havana 11910 FEN 6155 DW Rwanda 11905. Congratulations on the 49 m/b Canadians.

HARRY SEARLE, Invercargill has five reports out and QSL's from JOZ2 JOZ3 RNI 6205, Korea 9640 DZI8 21515. Thanks for your regular contributions Harry.

BILL HUDDLESTON, Auckland has 10 reports away with veries back from DZF8 15440 Milne Bay 3360 JOZ 3925 Swæden 17815 Japan 9675. Bill informs us that RBI will issue a special QSL card for the Tenth World Festival of Youth, for reports between 28 July and 5 August. Thanks Bill. Some interesting Band-watch listings.

JOHN HILLIER, Masterton has QSL's in from RA 6 freqs Budapest 9833 and FEN 6155.

JOHN MAINLAND, Wellington has been rewarded by Havana 6060 11910 RSA 15160 NBC Sokoto 6195 SABC 3965 3997 Iraq 9745 VOA Kavala 7170 RA-L 17785 RA-S 21455 NHK 17855 RN Talata 15320 DW Sackville 9605 Brussels 9655.

ERIC MCINTOSH, Invercargill has some reports for Bandwatch but nothing from the postman.

JACKIE MASEK, Chicago, USA. Thanks for your contribution. Am writing. BC

BRUCE WILLIAMS, Wellington has some reports for Bandwatch. Wot about QSL?

COLIN CAMPBELL, Rotorua advises only 8 reports but is compensated by verifications from Prague 21700, Israel 11945, SBC 11715, 15305, 21520, 11775, 9535. Please post earlier Colin.

STATION OF THE MONTH

- *Regular sound broadcasting in Poland commenced in February 1925. The first transmitter had a power of barely 500 watts and was in a small building in the Mokotow district in South Warsaw, about a mile from Polish Radio's present studios. A period of rapid development followed and by 1939, the Polish Radio, by then a mixed state and private company, had 10 broadcasting stations in major cities and the number of licences in the country exceeded a million.
- *Then came the war, all stations be- destroyed or dismantled by the Nazis while radios were confiscated. After the War, everything had to be built up again from scratch. The first post-war station in Lublin, the first large city on liberated Polish territory, was in a converted railway wagon. The first postwar broadcasts in English went out from Lublin on 1 January 1945.
- *Today the Polish Radio's external service from Warsaw broadcasts in 11 languages. At present their North American Service in English & Polish is heard in NZ 0200-0400 GMT on 6135 & 9675kHz. Correspondence should be addressed: Polish Radio, English Section, P.O. Box 46, 00-950 WARSAW, Poland.



ARTHUR CUSHEN'S SHORTWAVE REVIEW

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ALL TIMES IN GMT

ALL FREQUENCIES IN KHZ

- Australia: Radio Australia Melbourne has made some frequency changes. 7180 operates 2100 - 2200 in English. 9695 opens at 0830 in Indo-nesian and in Chinese etc from 1100 to sign off at 1500. This frequency replaces 11945.
- Brunei: Brunei on 7215 khz is heard with Chinese at 1000 to 1100 and English at 1400.
- Canada: The CBC has returned to 11825 from 6145 for the period 0655 to 0800. English to 0730 then French. Radio Canada will feature in its shortwave club shortly an interview about my POW work and details on monitoring the CBC which commenced its service to the South Pacific on 6 July 1947.
- Colombia: HJIW 6095 now signs on at 0900. HJNE Radio El Sol has moved to 6143 and is heard at 1000 clear of Perth on 6140.
- Ecuador: HGJB is using 11910 in place of 11845 between 1100 and 1300 to North America.
- Ghana: Accra 9545 opens at 2115 with a drumbeat and then news in English.
- Guyana: Action Radio 3290 opens at 0845 with Indian music and request items and at 0915 on Saturday has a Farm programme with English news at 0945.
- Honduras: HRVC 4820 signs off in English at 0430.
- India: AIR Delhi to Australia and New Zealand 2045 - 2230 is on 7260 9912 and 11740. Also heard on 7215 and 9525.
- Indonesia: Djakarta has English news at 0900 but only announces as 25 and 31 metre bands.
- Kuwait: Closes on 6025 at 2115 and then Lison can be heard in English to sign off 2130.
- Nigeria: Lagos 7255 heard with clock chimes then drumbeats and opening announcement at 0555.
- Papua-New Guinea: A new station with the slogan Radio Southern District is using 3275 from opening at 0800. The station has local news in Pidgin at 1000 and is located in Mendi. Six further stations are scheduled for operation from the Territory. (Refer Times November 1972)
- Solomons: The SIBS is heard on 9545 opening at 0115 and gives the call as VQ09. The transmission is blocked from 0130 to 0250 by Deutsche Welle and then VQ09 can be heard closing at 0300.
- Sweden: Radio Sweden has made some frequency changes. They are heard 0000 to 0230 on 9655 which replaces 11955 and English is heard at 0200. From 1230 - 1330 Stockholm is using 17840 in place of 17815 and from 1400 to 1530 17770 replaces 15240.
- U.S.A. WNYW received at very good strength on 17760 with the bilingual service at 0100 then follows CBC news and the station closes at 0115.

**BEST OF THE
MONTH**

OVER 9 MHZ

RSA South Africa
15160 khz 250kw
91 points

Lindsay Robinson.

UNDER 9 Mhz

CHNX Halifax, Canada
6130 khz 500 watts
120 points

Steven Greenyer.

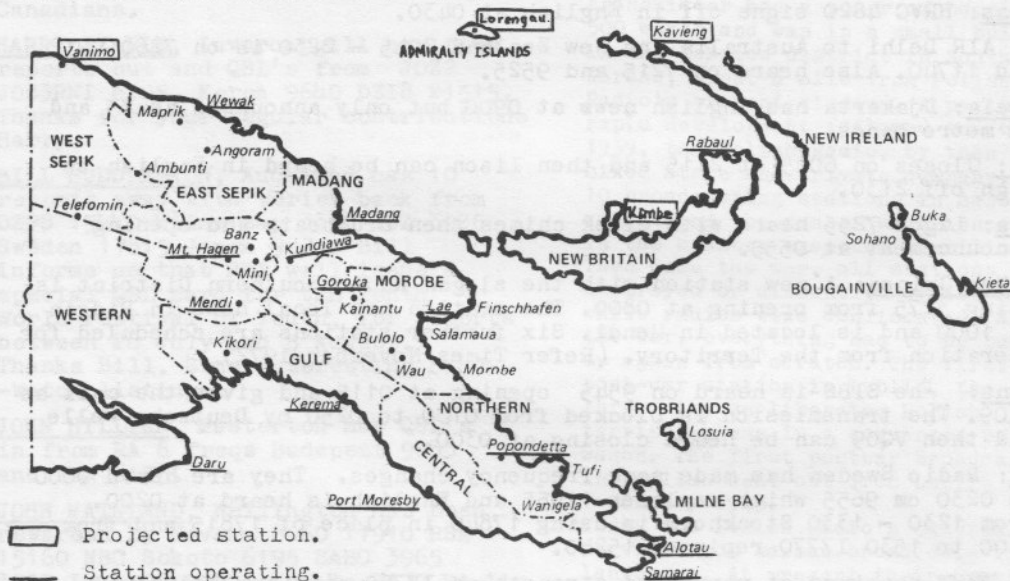
The Invercargill Scoop !

Prior to the Second World War, the only radio station operating in Papua New Guinea was station 4PM Port Moresby, a commercial operation by A.A. The station was abandoned before the war reached the Pacific.

In 1944, station 9PA was formed to provide a broadcasting service for the 1000s of Allied troops in the area. In 1944 with its transfer to full military control the callsign was changed to 9AA. With re-aquisition by the Australian Broadcasting Commission in 1946 the call reverted to 9PA and the SW transmitter VLT added. The second SW station VLK was commissioned in 1964 when all transmitters were moved to a location 3km from the newly completed studio complex. A triadic array of aeriels bearing 026° from true north is used at Port Moresby.

The ABC in Papua New Guinea presently has 5 MW stations: 9PA, with the allied transmitters of 9LA Lae, 9MD Madang and 9GR Goroka. The other station is 9RB in Rabaul but with the recent completion of a microwave link between Port Moresby, Lae and Rabaul, 9RB now takes the majority of its programmes on relay too. VLT and VLK, the SW stations, usually carry relays of 9PA also. In Rabaul a Government SW transmitter VH9RA is made available for a few hours each weekday. VH9ZJ Wewak operates under a similar arrangement, while a medium-wave outlet 9WK is still in the planning stage.

9PA/VLK/VLT and allied regionals broadcast in 3 languages: English, Pidgin and Motu (language of the Papuans). 9RB and VH9RA also broadcast in 3 languages, English, Pidgin and Kuanua (language of the Tolai people of New Britain).



In addition to these ABC stations, the Government of Papua New Guinea has a large network of regional stations on shortwave. These stations broadcast in English, Pidgin and the local languages pertaining to their immediate area.

At the end of 1973 it is planned that the ABC and P.N.G. Government broadcasting stations combine to form one national broadcasting network which will be operated by a Papua New Guinea Broadcasting Authority. These plans will coincide with the granting of self-government to the Territories.

TO BE CONTINUED.

UTILITY DXING

with Bill Pearson

At last some notes to print. Jolly good show! Keep it up and we'll have page (s) in each issue. Let's open the mailbag. 15

JOHN MILLER, Wellington has reported and verified recently the following: O.T.C. Sydney 4020, Sydney Flight Services 5498 5652, ZKAA 2945 3481.5 5638 8847; Brisbane Flight service 3446 3460; Bundaberg Flight Service 3446; Timaru Flight Service 3481.5; ZKNV 3279, Gisborne, Napier, Rotorua and Dunedin towers 3279, ZK1b 3164 3261, ZKFK 3261, ZKFK4 3261, ZL2XTK 3261, ZMKL 2162; Aircraft as follows: VH-EAE VH-EAG VH-EBT VH-EBW VH-EDB 5W-FAN 5W-FAO G-ASGD G-ASGL ZK-NZL (All on 5638) ZK-NZG 2945 5638, ZK-DCB 8847; VH-FNL 3460. N.D. Beacons WN 234 PU 270 OC 286. Reported and awaiting QSL's are VMNLG 5638, VH-BRF 5638, N11UP 5638, ZK-NZL 2945, ZKIS 2938. Keep it up John.

MICHAEL POLLARD, Christchurch. Reported and verified are Sydney Volmet 10017, Sydney RTS VLN57 19015. Logged are OTC Sydney 4020, Sydney RTS 9045, ATTC New York 15575 0500, F.T.S. Noumea 18466 0245. More veries next month Michael ?

DENE LYNNEBERG, Titahi Bay. Reported ZLC Chatham Is 3200. Verified is ITT San Juan 9940.

BILL PEARSON, Wellington no reports but veries in from VIB Brisbane 4136.2, VJZ Rabaul 4136.2, NPG 9277.5, MLU Gibraltar 9032.

RICHARD WALSHE, Wainuiomata has reported and verified Aust. Post. Term 13126, 8789.6, O.T.C. Sydney 4020 Oriana GVSN 8236.4. Awaiting a QSL from WVVH 2500 20000.

From Fred Clements, a list of LF navigational D. beacons.

kHz	Call	Name
206	WP	Whenuapai
218	OH	Ohakea
234	WN	Wellington
242	PP	Paraparaumu
258	PM	Palmerston North
270	PU	Porirua
286	CC	Cape Campbell (ZLOG)
305	ZLOD	Stephens Is
317		Brothers Is
326	KI	Kaikoura
330	NR	Napier
342	BM	Blenheim
354	WY	Waverley
358	NL	Newlands
370	NP	New Plymouth
382	WU	Wanganui
390	PA	Pahiatua
394	NS	Nelson
406	WG	Wigram

QUERY ??????
Who is 'Vidinia' Radio on approx 8760 khz ?

GANDER RADIO has Volmet stations with broadcasts at 20 and 50 minutes after the hour on 3001, 5652, 8868 and 13272.

AERADIOS. From John Miller comes the news that Australian aeradios have been replaced by Flight Services. This applies to internal services at Sydney and Brisbane etc. Investigations are proceeding as to whether it also applies to the international services at Perth and Darwin. John also reports that the former ZKLF Auckland Aera, Musick Point, has been replaced by ZKAA at Mangere. (The voice ID stays as 'Auckland.')

WEATHER TRANSMISSIONS

KMI Dixon California from 0100 0300 0500 0700 1500 1700 1900 2100 2300 on 4377.4 and on each successive frequency five minutes later. 8754.4, 13182.5, 13182.5, 17342.5, 22695.5. (ie. on 8754 at 0105 and 13182 at 0110) WOM Ojus Florida - 4428.6 8792.8 13154.5 from 0500 1100 1700 2300. WOO Ocean Gate Radio 4396.6 8773.6 13161.5 17321.5 from 0100 to 1300. All in a.m.

Until next month - keep those prepared QSL cards being sent with each report, and also postage.

New Zealand Radio DX League

Founded 1948

Annual Subscription: \$4.00
(Secondary Students: \$3.00)

EDITORIAL OFFICE

P.O.Box 2956, Wellington

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Publisher: Tony King

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

..sign-off.

MALTA ON SHORTWAVE. G.G.Theile of Deutsche Welle advises that their relay station with 3x250kw transmitters will become operational in 1974.

Al Niblack, NASWA.

VOICE OF PEACE, CONTINUED. According to UPI and NASWA this Mediteranean based 'pirate' has a ham shortwave rig aboard ship. Their 1540kHz outlet has been logged in NZ by Robin Chambers, Opunake.

RADIO NEW ZEALAND was 20th equal with RBI and Austrian Radio, in a popularity poll organised by Japan SW Club. Radio Australia was a clear winner & BBC 2nd.

RED CROSS TEST BROADCASTS will next be beamed to the Far East on 24 July at 0945-1015 GMT on 21520, 17775, 11775 and 9590kHz. Correct reports to 7, Avenue de la Paix, 1211 Geneva 8, Switzerland will receive their smart QSL card.

MUSCAT & OMAN have a new 10kw transmitter on 1247kHz for 3 hours daily, to be increased to 12 hours. Boost to 50kw is planned. SGDX JSWC

KGEI SAN FRANCISCO's new sked is 2250-0300 on 15280 and 0300-0500 on 11920kHz according to DX-Corner Belgium.

PAPUA-NEW GUINEA's recently opened station at Kunduwa (2376kHz) was built at a cost of \$218,000. No fewer than 10,000 turned up in the little mountain Hq of the Highlands District for the official opening in mid January. Pacific Is. Monthly

WRTVH ERROR. Correct your 1973 edition, page 262. Guyana is $3\frac{1}{2}$ hours behind GMT, not $3\frac{1}{4}$. This is confirmed in a personal letter from GBS in Georgetown. EC

BRUSH UP YOUR ESPRIMO! New 15 minute transmissions from HCJB Quito are aired on 9560 & 11745kHz at 0430 GMT Sundays and 0500 Tuesdays and Thursdays. ASWLC

BUY & SELL WANTED TO PURCHASE....

in new, unblemished condition, with instruction book...

GRUNDIG SAPELLIT 1000/TR 6002
Phillip Pitcaithly, 1b Bader Drive, Mangere, Auckland is keen to hear from anyone who can assist him.

RADIO PAKISTAN presently broadcasts 127 hours of Home Service & 13 hrs in the External Services daily. In the next 3 years they plan increasing total kW output from 856-3150kw

IF YOUR SUBSCRIPTION IS DUE THIS MONTH, A COLOURED STICKER WILL APPEAR HERE. RENEW YOUR SUB PROMPTLY TO ENSURE THAT YOU WILL RECEIVE NEXT MONTH'S ISSUE. OVERSEAS MEMBERS WILL RECEIVE THEIR NOTICE PRIOR TO THE MONTH DUE.