



NEW ZEALAND DX TIMES

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JULY 1974

DXCURSION AUSTRALIA '75

BOX 2956 CONGRATULATIONS to Keith Glover, ever-popular

Radio Australia personality, on receiving a Winston Churchill Fellowship! In 1975 Keith will take up this award with a study trip overseas. We are always grateful to Keith for the fine publicity he gives the League in his weekly programme "Club Forum".

COUNTRIES LIST. The recently completed listing has, at 7/7, not yet arrived at Wellington and it is feared that industrial difficulties throughout NZ in the last week have held up the mail. This issue will be delayed up to a day or so and hopefully the list will be included. Our thanks to Invercargill Branch members for their efforts in its compilation. We understand there are several blank pages in the listing which are unintentional...so we don't want any requests for complete copies!

PARLEZ VOUS ANGLAIS? An enquiry about League membership received in recent weeks from Milwaukee, USA stated:- "Please send me some information about your club and an application form. Also let me know if your bulletins are available in English". Well, um....

EQUIPMENT FUND. Our grateful thanks to the following members and their donations towards providing updated equipment for publication of the Times:- Anon, Southland \$6.00; Mike Smith, Matamata \$3.00; Theo Donnelly, Canada \$3.50; Philip Brooks, Wanganui \$3.00; Irene Simpson, Invercargill \$1.00; M. Nicholls, Taupo \$2.00; Arthur Williams, Timaru \$5.00; bringing the Fund total to \$226.30. Thanks to you all!

A WINNER !

Yes indeed ! Seventeen members including the wives of several have registered their interest and plans are well advanced. Accommodation and tour arrangements have been pencilled in and this week arrangements are being made in Sydney for the optional excursions and visits in that city by an NAC World Travel representative. Harry Weatherley in Melbourne has forwarded some great suggestions for activities in his city including barbecues, visits to the PMG receiving station at Kilmore, and to the Radio Australia site at Lyndhurst. Keith Glover has already aired his enthusiasm for our visit in Club Forum ! With the local interest in Australia we can anticipate a wonderful welcome and a highly enjoyable tour ! If you haven't registered yet and would like to join us - complete the DXcursion enrolment form - there is nothing to pay at this stage - and mail it today. Regular information is being mailed to all who register. Join us for DXcursion '75 !



CLOSING DATE FOR NEXT ISSUE: WEDNESDAY 7 AUGUST. PLEASE SEND DETAILS OF YOUR DX, QSL's, B.O.M's, & LADDER TOTALS TO BOX 2956, WELLINGTON. 73 IN WORLD DX HANDICAPPED AID YEAR 1974!

FROM THE BRANCHES 2

SOUTHLAND. The June meeting was held at Alan Crawfords with 9 present and Vice President Lindsay Robinson in the chair. Discussion on the annual meeting and other matters followed by a talk by Arthur Cushen, reviewing his meetings with DXers in Wanganui, Tauranga and Wellington. Eric McIntosh demonstrated his new Drake receiver with a MW Loop aerial. Best of Month Results: Broadcast to S. Burtenshaw WIBW Kansas 580 5kw; merit to A. Cushen Baku 1016. Shortwave Over 9 to L. Robinson BBC Cyprus 21610; Under 9 to S. Greenyer Radio Universidad, Costa Rica 6105 1kw.

CTAGO. The June meeting was held at 45 Doon Street Mosgiel with 7 present. A 30 minute tape on the "History of Radio" was played. Competition Results: SW Over 9: Graham Pont Radio RSA 17805; Under 9: Radio Continente, Venezuela 5030 Jonathan Aitchison. Broadcast Over 1050: WICY 1380 Graeme Shillito; Under 1050 to Peter Jackson with 6GF Perth 600.

NORTH OTAGO. 12 were present at the DX Shack on 27 June. Basil Jamieson presented a slide show on England and a Nigel Robins Booster was demonstrated with great success. The NZART is to install a Rescue Radio at the Shack. Plastering work at the Shack and erection of aerials is continuing. Next meeting: 25 July.

WELLINGTON. 15 attended the June meeting, including newcomers Clive Allen and Cecil Symmes, and special guest Arthur Cushen. After quickly dispensing with general business, the meeting was turned over to Arthur, who spoke on the state of the League, branch activities, the new Countries List, Adcom work and his own duties as League P.R.O. and a Monitor for many organisations. Competitions: SW Junior to Jack Farrow with Paris 9675 and 6015; SW Senior to Bryan Clark with Reunion 2446. CCB to Bryan Clark with WLW 700 & HJDK 750kHz.

P.R.O. visits North Island Members.

Arthur Cushen, the League's Public Relations Officer recently visited two of our Branches as well as meeting interested DX listeners in the Wanganui area. On Sunday evening, 16th June a meeting was held at Jim McFarlands home in Wanganui. Those present included Mr Tyrell Ruscoe, Philip Brooks, Frank Carr, Ross Grinrod, Darryl Anderson, Mark Corrigan, Ossie Keeler, Max Linder, David Jobe, Deryk Elleston, and from Palmerston North, Leigh Morris. Five of those present were listening in the early 30's and were able to reflect on the early days of the DX Hobby in New Zealand. There seems every possibility that a branch could be established in this area, with combined meetings between Wanganui and Palmerston North.

On Sunday afternoon 23rd June, members in the Waikato-Bay of Plenty area met in a Tauranga church hall, and the 11 present included Bob Mutton, Arthur Campbell, Paul Frost, Gavin Ritchie, Michael Stockley, Rod Purkiss, Charles Douglas, Colin Campbell, Stan Larking, Mike Smith and Bob McGregor. Some of these members came from as far afield as Te Awamutu, Matamata, Rotorua and Whakatane especially for the meeting, which was chaired by Colin Campbell. They heard a wide ranging talk by Arthur on the DX hobby, monitoring and other subjects as well as hearing a tape of 6TZ and studying a reception report of the programme.

On Monday evening 24th June, members of the Wellington Branch gathered at the home of Bryan Clark, with Arthur as guest speaker. The 14 members had an interesting evening with plenty of discussion on subjects affecting the League and the hobby in general.

The tour was a most successful one and Ralda and Arthur Cushen pass on their sincere thanks to their hosts and all those who did so much to make these visits so successful in stimulating further interest in the League.

AUCKLANDERS! If you're interested in an occasional weekend get-together with other DXers & SWLs... call Henderson 37874 Deryk Duffy or Henderson 45850 Graeme Dixon, or write to Graeme at 12 Mickle St., Te Atatu South, Auckland 8.

This month Robin Chambers submits his usual 'exotica' but for most of us it looks like a mid-winter lull, although several members report reception from Asia and Europe as late at 7.50.a.m.

Undoubted highlight for the lucky recipients is the QSL card from 1XB - Radio bOsOm, depicting...need we elaborate? They apologise for the delay in verifying caused by printing problems (someone was probably flogging the cards as souvenirs) but say that they should be back on the air soon - frequency 950 khz.

Radio 1XX Whakatane 1240 khz now has a 100 watt synchronised repeater on the same frequency located at Murupara - the first private commercial station to be granted a licence to operate a repeater. Maybe we can organise some type of Special trans-mission to enable a DX catch of this one.

Finally, a familiar voice to DXers since the mid-fifties, Wolfman Jack, has been featuring on NZ Radio in recent weeks as part of a promotion for the film 'American Graffiti'. XERF and more recently KDAY and XEPRS have carried his programmes across the American continent and 'down under'.
Now down to the mail -

DES DAVEY, Te Kuiti has logged 5NA 2CH 2UW. Veried 4BC. Hope weather better Des.

GRAEME SHILLITO, Dunedin has logged WXLE with QSL's from Bosom WLCY and CFUN. Quite month.

ROBIN CHAMBERS, Opunake has reports to 2GL HJOG TIJC DYRG 2MW and 4MS. QSL's from Bosom 2GL Hungary 1340 and 4GY. Always appreciate your efforts Robin.

DENE LYNNEBERG, Titahi Bay has a verie from Bosom. One report out - a follow up to 5SY 690 as their QSL stated 5SY but gave details for 5AN.

PETER JACKSON, Dunedin has logged 4RO Fiji 810 DZRP CHQM 6ED and Singapore 790. QSL's in from 6GF 4MB 4AK 4GG 2PK 2GO. Could you print a little BIGGER Peter please!

SUTTON BURTENSHAW, has QSL's from 1YZ 2YZ 1XB WIBW 580 KETX 1440 AFNT 1550.

MERV BRANKS, Invercargill back in circulation after his operation has veries from Radio Sharjah 1XB 4QA 2YZ 1YZ 2WG KWKH KGU. Reported are 1YE 1YK 4QG 2YZ 4QA 1YZ 2KO.

PHILIP GARDEN, Mosgiel has reports to CFRN Jakarta 1335 Khmere 918 Sabah 1475. Veries from 1XB CFRN. Thanks for Trail items.

PETER BROOKS, Wanganui has reports to 3DB 4ZB 2UW with QSL's 3DB 4ZB. Sounds like a great get-together on 16 June.

BRYAN CLARK, Wellington reports a quiet month with logging of 5DN and QSL's from 4MK Bosom and HJDK La Voz de Antioquia 750.

BILL PEARSON, Wellington has one from Bosom. Keep you happy for a while!

ELIZABETH HELLYAR, Bulls has reports out to 2CH 2NX 2SM 4QR. Elizabeth is still getting the 'hang' of a recently acquired Hallicrafters 540B.

ALAN ROBSON, Christchurch has them away to Italy 1331 KMUI Tarawa 844 KAIM KXEL BBC Masirah 1412 KGMB KGU KKON Monte Carlo 1466 KGA. Veries in from JOWF Bosom VOA Phil 1140 KOB USSR Svobodny 584 KOA. Another good month Alan.

ARTHUR CUSHEN, Invercargill has QSL'd DYLA AFNT 1550 HLDA 1570 Baku 1016. Reported DYRB 540.

ANDREW WHITE, Christchurch has logged 3BA and has QSL's from KPNW XERF 3NE and 3BA.

SINCLAIR BENNETT, Christchurch has logged 2GN 1XX 4LM 2KM with QSL's in from 1XX and KPNW.

JONATHAN AITCHISON, Dunedin has logged 2CH 3MA KDAY 2NX KGA with QSL's from 1XB 3XY KOA 4BC 2CH and CFUN.

NEVILLE HENRY, Invercargill has logged CEW and QSL'd Marathon 1180.

STAN LARKING, Whakatane has reported Fiji 1 560 (daytime reception) 4QR 3WV 3XA 4QA KGU and JOGB. Veries 4QA and Bosom.

ERIC MCINTOSH, Invercargill has loggings as DWAY 1323 India 930 Hong Kong 545. Veries from Cyprus 1232 Kuwait 1345 Sharjah 1535 Vienna 584 KPNW 1XB 4GY 6GF 6XM. Good returns Eric.

PAUL FROST, Tauranga has logged KEW 3ZO WVUV 2NA 2NC 2WN KPAC. QSL's from KIRO and KOMA.

IAN COOK, Nelson has reported KUAM and KCCN 1420. QSL's 2KM 2UE 2HD 3BA 3UL 4XO RFA Bangkok 1580.

ROBERT BURROWES, Feilding has logged
 2SM 3LO 3MA TWR 800 4BC 2KY Fiji 5GL
 8AL 4QD 4HU 4QO 3SH 5AN 4QL 3XY 2GZ
 2DU 3HA 2LM. QSL's in from 1XA 1XI 3ZB
 3ZM 2ZD 1ZB 4ZB 2ZC 2ZW 2ZB 2YX 3AR
 4ZA 2ZA 2ZG 2ZP 2ZH 2XW 1XW 3XA 3NE
 2UW 2VM 2KO 3ZA 3YW 2GR 3DB 2BL 1XX
 2UE 4AK 7LA 4QG 2W 5LN 4QB 3SR 7HO.
 Welcome Robert.

NORMAN GLOVER, Hamilton has reported
 2XW and verified 1ZC 2ZW and 2ZN.
 Good luck with MW booster.

STUART FORSYTH, Auckland in his first
 contribution has QSL's from 1XA 1XI
 1XW 1xx 2XW 3XA 1YA 1YZ 1ZB 1ZD 2YA
 2ZA 2ZP 2ZC 2ZB 2ZW 3ZB 2NR 2FC 2KM
 2TM 2CR 2LG 2UW 2SM 2BL 2KO 3ZC 3NE
 3KZ 3DB 4QG 4QR 4AK Noumea 670 and
 Bosom. Thanks for letter in FF. Will
 publish when space permits.

BROADCAST TRAIL

EVENING

550	KMVI poor 8.45	AR
590	KGMB fair 9	AR
610	KUAM in EE with wx, tide, and sunrise times 9.30.	IC
650	Unid SS quite good 4.20 - 4.30	RCH
	18/6	
675	TIJC very good 5.15 - 6 s/off ID as "Esta es Sonora."	RCH
790	KKON poor 9.20	AR
844	Tarawa good with local nx in EE 9.10.	AR
854	OAX4H Lima s/off with ID and anthem 5.58	BC
890	JOHK 10.50 poor in JJ	IC
	HJCE Voz de Bogota good 4.35	
1030	Very strong SS 5. Colombian ?	
1110	YVRZ Radio Mia fades 5.10	RCH
1130	Calcutta weak in Hindu 11.25	
1170	Venezuelan 5.20 - 5.40 fair	RCH
1225	CMGY Radio Veintiseis good ID 5.	
1250	Moscow Valdivostock fair with 1ZM looped 10.31	IC
1255	Unid SS here 5.55. Other Unids on 1115 at 4.55, 1125 at 5.55; 1385 at 3.51 - 4.20.	RCH
1260	CFRN fair 8.35	PG
1300	HJOG Voz de las Antillas fair to s/off 5. Peaking 5.55 9/6	RCH
1370	KEEN good 11.20	BC
1380	WLGY 'Super LCY' strong 4.40	RCH
1385	WXLE Canton Is fair 7.45	PG
1440	JOWF fair JJ 11.30	PG IC
1530	WRPM poor ID 10.40. mxd	PG
1540	KXEL vg 7.15	AR
1580	VOA Thailand nx strong 11.50.	

MORNING

553	Unknown AA here 6.20	RCh
604a	AA here fair 7.20	RCh
650	FEN Okinawa good 6.20	RCh
665	Damascus good 6.20	IC
880	JOPK Shizuoka fair 3.16	RCh
885	Damnan good 7.10	RCh
908	Baghdad strong 6.20	PG
918	Khmer Republic poor 1.15	PG
955	XZK Burma poor 12.15	RCH
1016	Baku fair 7.50	RCh
1025	Israel good 7.50	
1130	DZHP 'Sound of the City' 7.15	BC
	Sunday	
1304	Unid Eastern AA type 7.40	RCH
1313	Unid here quite good 7.40	RCH
1335	Jakarta poor 3.05	PG
1420	KCCN in EE/Hawaiian 3.31	IC
1466	TWR Monte fair FF 7.45	AR
1475	Sabah poor/fair 12.45	PG
1570	DYRG good full ID 3	RCH

Credits: Robin Chambers, Ian Cook, Alan
 Robson, Philip Garden, Bryan Clark.

DX FORECAST

JULY

5.30 - 7.p.m.	U.S. Mexico
4.30 - 6.p.m.	South America
From 10.30.p.m.	Asians; Watch split freqs.
8.00 - 9.30.p.m.	Pacific Islands
10.p.m. - 11.30.p.m.	U.S. East Coast, 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.p.m. - 10.45	US East Coast
10.p.m. - 11.30.p.m.	Central/South Am.
2.00.a.m. - 4.a.m.	Asians good
5.00.a.m. onwards	Middle East
6.00.a.m. - 7.30.a.m.	Europeans

BEST OF THE MONTH

SENIOR

WIBW Kansas, 580 Khz 5 Kw
 Sutton Burtenshaw.

JUNIOR

Svobodny, USSR, 584
 Alan Robson.



PACIFIC ASIAN REPORT

5 GUAM. A construction permit for a new station has been granted to Magof Inc, 5kw U1 on 720kHz. "Broadcasting" via NRC DX News

DUBAI noted on 1248kHz at 1730 GMT with Arabic news. Ident as "Id hat al Dubai" Victor Goonetilleke, UADX

PAKISTAN A new 150kw transmitter on 750kHz was inaugurated at Quetta on 26/4.

HAWAII KIPA Hilo changed frequency from 1110 to 620kHz in mid May. Chris Martin

TAIWAN The Voice of Free China, Overseas Department, Broadcasting Cooperation (sic!) of China, writes: "We are very sorry that we can't verify your reception report as we don't have 890kHz in our broadcasting frequency... We have prepared a series of beautiful QSL cards to verify your correct reception report. Keep trying and we hope to hear from you again soon". Yet the International Service has been noted here regularly for some years. It usually signs off at 1600GMT after HLKB goes off, and identification includes a long list of BED callsigns.

PHILIPPINES DZEM moved from 1520 to 1460 where DZBU has gone out of business. DWBL is new on 1190, an American style all music station. DRIM 1500 is a PBS station ex DZCP. Merv Branks
Lars Ryden via NRC

CAN — AM REPORT

ZNS3 Freeport, Bahamas has apparently moved from 1060 to 810kHz. Power 1kw. Richard Clark IRCA

Following run-down from recent issues of NRC DX News:

540 KDLT Delta Utah auth to operate.
570 CKEK BC is on U3 10kw/1kw SP is MM.
620 KTAR silent period is 7pm-10pm NZT on Monday nights.

670 KBOI is sked 12pm sign-on currently.
710 KIRO silent period Monday night NZT
790 KGGP Clovis Calif. has C.P.
810 KGO is 24hrs with SP Sundays NZT from 7.45pm to 2am Monday.

850 KGGH Houston Texas is C.P.
900 KFRB Alaska was refused move to 820.
900 KMCO Texas has been granted KIKR.
910 CHRL Pa is 10kw/24kw U2.
950 WJFC ex WGRT.

1020 KGBS daytime only station has had application for 24hrs with 50kw rejected by FCC.

1120 KPNW is now 50kw day & night.
1150 CKI BC has applied for 10/1kw U3.
1150 KBAI Morrow Bay California granted programme authority.

1170 KVOO silent period is 4th MM 0100-0200 only EST (6pm-7pm Mon. NZT)

1270 KCOK Calif is 24hrs NSP.
1270 KWWB North Dakota ex KBOM.
1280 WGSO LA is NSP.
1300 KXXO Oklahoma ex KCNW 24hrs NSP.
1320 CHQM new address is 1134 Burrard Street, Vancouver.

1340 KTOQ Rapid City, SD ex KRSD.
1360 KOHU Oregon signs off 6pm NZT.
1360 KZIQ Ridgecrest Calif granted prgm authority.

STATION OF THE MONTH

In comparison with last month's, our station this time has probably not been heard in NZ but one never can tell.... CJOK in Fort McMurray, Alberta, Canada has as a slogan "Alberta's Northern-Most Station". Freq. is 1230kHz and an omni directional aerial is used for 1kw daytime and 500 watts nighttime power. Unlike many stations in northern Canada CJOK is not a CBC affiliate although the CBC assistance is financially worthwhile to stations. Owners are Charest Communications Ltd and staff totals 11. There seems to be a distinct emphasis on local production in commercials and public service announcements. Format seems to be dependent on the announcer but a lot of light or heavy rock-and-roll is featured in the evenings. Current schedule is 0530-2400 Mountain Daylight Time (11.30pm-6.00pm NZT) with Standard Time (1 hour later) resuming late October. Letters of verification are signed by General Manager Stu Morton, at Box 3000, Fort McMurray, TOA 1K0. Reports have been regularly received from Scandinavian DXers since CJOK began broadcasting January 1973.

Jon Fearkins

1380 KTOM silent period 8pm- Mondays.
1410 KLSC Oregon ex KPAM.
1430 KKAT New Mexico seeks KMGH.
1440 KDNC Spokane seeks KXXR.
1440 WROK & WAJR are now 24 hours.
1450 KOBO Calif is on U1 500/250w.
1450 KVML Calif signs off 7pm NZT.
1490 WMPX MI & WMOA OH are all night.
1510 KDKO Colorado now 5kw nights.

edited by Dene Lynneberg.

In 1971/72 extensive publicity was given to standards of reporting and the items required in a reception report, and with the latter in mind, the League wrote to several major broadcasters for their comments. The replies, plus the suggestions of League members have been considered and a revised report form has been prepared to coincide with the need to reprint stationery items on the larger A4 paper. We have also benefited from an extensive survey conducted by the Reception Report Committee of the European DX Council which collated the opinions of 23 major shortwave broadcasters on this subject. In fact their findings have most effected the revised form suggested here.

Explanatory Comments: Firstly, the draft is not exactly to scale. More space would be given to the opening sentence and items under 'Reception Conditions' to better allow for those who handwrite their reports. The lines drawn in are probably best printed in small 'dots' as at present.

After the frequency, space is provided for the language of the broadcast, and after the time and date the compiler has the option of GMT time/date or the local time/date of the station. Whichever is not appropriate can be deleted.

The report has been re-arranged so that all technical data pertaining to the broadcast is together and therefore readily checked by the technical staff, while the balance of the report can be passed to the programming staff.

Reception conditions. Fading has been deleted. This can be referred to under other headings eg signal strength. Extra space is given for details of interference, be it co-channel, adjacent channels, atmospheric or man-made noise. Overall rating and Readability of signal should be self-explanatory.

Most stations seem interested in knowing of your receiving location, not only in relation to the nearest major city etc. but also something of the local terrain to assist in evaluating your reception conditions. Are you in a high-rise block of flats, an industrial area, suburban or rural, in the mountains or by the sea?

It is highly recommended that all reception reports contain some comments on the programme content. This information is carefully studied by the producers to assist in improving and adapting programmes to suit the listener. It must be stressed that these comments express your real opinion on the programmes monitored. Do not praise a broadcast just to obtain a QSL.

The area for detailing the programming is headed - 'Programmes Heard, Details and Comments', allowing for your comments to be recorded in the body of the report or following the programme details. An additional heading to the right 'Technical Comments' provides for an optional column where specific details of interference may be recorded eg 'slight jamming began' or readings in SIO, SINFO or SINPO given alongside the time of reading. Of course, both this column and 'comments' are optional - may be deleted, but are recommended as worthwhile additions to your report compilation.

Conclusions: Most international stations favour an indication of reception in the SIO or SINFO codes, and this point was also made by several League member -s. However it is felt that if one of these codes was incorporated it would be necessary to take up valuable space with an explanatory table, as they are only accepted practice amongst the major international shortwave broadcasters. The detail would not be relevant for mediumwave reports or those to smaller domestic shortwave services. However adequate space is available in the 'Overall Rating' area, and under the heading 'Technical Details', should you wish to give a coded reading, at various intervals during the time of reception.

The new report form size will be $\frac{1}{4}$ " wider and $1\frac{1}{8}$ " longer.

After a short time to gauge reaction from the membership, we will advise you of the finalised new format.

Special thanks to Jack Searle, John Newman, Wellington Branch, EDXC, Deutsche Welle, Radio Nederland, Radio RSA, ORF Vienna, and George Beardsmore.



New Zealand Radio DX League

STATION: _____

FROM: _____

DATE: _____

Dear Sirs,

I am pleased to report reception of your station operating on _____ kiloHertz in _____, from _____ to _____ hours GMT/_____ time on _____ date GMT/_____ time.

Reception Conditions:

Signal Strength: _____ Readability of Signal: _____

Interference: _____

Overall Rating: _____

Receiver: _____ Antenna: _____

Receiving location: _____

Time	Programmes Heard	Technical
GMT/Local	Details and Comments.	Comments.

DRAFT OF NEW REPORT FORM LAYOUT
 ACTUAL SIZE APPROX. 7½" x 11",
 THAT IS, SIZE A4.

COMMENTS & CRITICISMS TO ASSIST
 IN FINAL PRESENTATION MUST BE
 ADVISED TO "REPORT FORM", NZRDXL,
 BOX 2956, WELLINGTON, NO LATER
 THAN 15 AUGUST 1974.

I hope that this report will be of value to your Technical and Programming Staff, and if it corresponds with your station log, I would be pleased to receive your verification (QSL).

With very best wishes,

Shortwave Mailbag

8

with John Mainland

Stan Larking and Chris Davis both report verifying Radio Clarin in Santo Domingo Dominican Republic. Stan has also surprised with a reply from the Brazilian, Radio Alvorado de Londrina on 3345 khz. Dene Lynneberg after a follow up has verified Freetown, Sierra Leone on 5980. Bryan Clark advises a reply from Reunion on 2446 khz - a very commendable effort. Our first letter out of the bag comes from -

KEITH ROGERS, Lower Hutt who has QSL's from HCJB 9530 DW Werch 7235 Japan 6030 AFRTS Tinang 15110 Vatican 11740.

PAUL FROST, Tauranga has QSL's this month from RA 11730 15405 7180 RNZ 9520 11780 15110 17760 BBC Tebrau 9740 15070 21610 Argentina 9690 AIR 17775 Canada 9685.

HARRY WEATHERLEY, Melbourne has only one from HJKC 4755 in response to EE report and 3 IRC's.

STEVEN GREENYER, Invercargill has 'em back from Iran 9022 VLK4 4890 Juventud 4900 Universidad 6105. Buena mi amigo!

JOHN MAINLAND, Wellington has QSL's from TWR-M 7102 HCJB 11865 NHK 11705 Stockholm 17770 Seoul 11925 Sofia 6205 RA-D 6130 Vienna 15435.

IAN COOK, Nelson has QSL's from RCI 11855 Nederland 9715 VLK4 4920.

DENE LYNNEBERG, Titahi Bay has 11 away this month with veries from RN Lopik 15260 17715 CBC Sack 15092 Conakry 11965 Sierra Leone 5980 Tegad 1904.5 (Country 167).

LANCE ANDREWES, Dunedin has fitting rewards for his labours from ORF 9650 SBC 17830 FEBC 21515 NHK 9505 11815 Pakistan 17830.

ROBERT BURROWES, Feilding has reports to VOV 15012 HCJB 11915 AFRTS 11805 VOA 11770 BBC 15070 Israel 11725 Kuwait 6025 AIR 11980 Bucharest 11940 P & P 19 mb Tirana 21800 Pakistan 17875 Moscow 15070 Portugal 17880 Tashkent 25 mb RBI 17740. QSL's from BBC 7150 VLK4 9420 Portugal-gal 11935 RN 9715 HCJB 15115 WNYW 11885 Guyana 5980 NHK 15195 11875 17825 RN 11730 RA 15355 11730 Peking 9460 15435 RCI 5970 11860 ZL20 6020 DW 6145 SBC 15305 11775 Poland 7285 Vatican 11845. Please list in one column. Group same stations/countries together.

JACK FARROW, Lower Hutt has QSL's from KGEI 9615 CBC 9655 ORTF 9675 SBC 11775 5980 AIR 11740 RA 7180 21655.

LINDSAY ROBINSON, Invercargill has QSL's from Saudi Arabia 11855 AIR 11755 Seoul 11925 RN Mad 7285 BBC 21610 FEBC 11920 USSR 9500 YVMQ 4990.

CRAIG TYSON, Western Australia has an envious array from R.Clube do Para 4865 Clube Cabo Verde 3883 ELWA 3227 Niamey 3260 Freetown 3316 San Sebastian 6070 Progreso 4920 Cultural 5935 Colosal 4945 St Denis 4807.

BRIAN MOLLOY, Auckland has them back from RA 8 freqs Bonaire 9715 DW Julich 9765 NHK 15235 VLK4 Peking 9460. Welcome Brian. Ladders run alternate months so let us know your total for next issue.

DERYK DUFFY & GRAEME DIXON, Auckland have the following back - Moscow 31mb 12050, HCJB 9745 9710 AIR 9912 RSA 11900 9525 Sofia 9700 Cairo 9475 Rome 9710 FEBC 11890 Canada 9625 5970 9655 Honiara 3995 Brisbane 4920 Papua 4890 KGEI 9520 UN radio 9530 Hungary 9833 Turkey 11880 Spain 11920 Brasilia 15245.

ERIC CARTER, Tasmaniah has QSL's from HCJB 15170 Iran 9022 AIR 15280 17840 Paris 9675 CBC 11855 6135 RN-B 6165 Iraq 11785 Vienna 21675.

BRYAN CLARK, Wellington has four out and a QSL from Reunion 2446.

BILL PEARSON, Wellington has no reports out but veries from CBC 5925 6140 RN Bon 6165 AIR 17775 7215 DZF2 11920 VLW6 6140 RA 21655 VLK4 11880 Lisbon 21495 RN 15420 15305 Prague 21700 RSA 17815 21535 Brussels 21475 ETLF 11815

ALAN ROBSON, Christchurch has logged ten this month with QSL's in from RA Dar 6055 21680 NHK 15270 9700 Kerema 3245 RN Bonaire 9590 Monte Carlo 9730 RCI 6140

ERROL MONSON, Dunedin has QSL's from Moscow 5940 Prague 6055 Sofia 9700 SBC 11775 Finland 15185 Japan 11875

ARTHUR CUSHEN, Invercargill has QSL's from Moscow 11770 11790 CBC 9480 5925 Liberty 15290 Israel 7395.

TONY KING, Wellington has eight out and one from Radio Clarin 4850 plus pennant.

GRAEME SHILLITO, Dunedin has QSL'd RSA 15220 21545 Vatican 21485 DW 21560 ORF 21580 Bangkok Met 7863 Tashkent 9600 Israel 9009 ORTF France 9700 DUH2 6170.

DENISE SHILLITO, Dunedin has logged and verified CHNX 6130 RSA 21545 SBC 21520 VJB4 3945 Canada 5960.

ANDREW WHITE, Christchurch has QSL's from Japan 9675 17825 Israel 7395.

JONATHAN AITCHISON, Dunedin has logged 12 this month and has QSL's from YVMK 5030 Israel 9495 10250 Cairo 9475 AFRTS 6110 9700 CBG 11720 6135 Morobe 3220 Kerema 3245 Prague 6055 NHK 15300 Hanoi 15012 Kuwait 14345 KGEI 9585 9520 RA 15320 15355.

PETER GREENER, Auckland has a good bag full from - RA Lynn 5995 Shepp 21740 9570 Dar 17715 Voice of Hope 9670 HGJB 17885 Peking 15060 11720 11600 Israel 9009 7395 Sweden 15105 Norway 9645 Belgium 11855 Finland 15185 Kuwait 15345 RCI 9655 6125 5970 HGEI 9520 Ned Lop 15420 SBC 9535 11715 ORTF 9675 11735 Tashkent 9600 11925 Korea 11925 DW Julich 9650 15150 Egypt 9475 TWR Bon 11815 Moscow 15450.

BILL HUDDLESTON, Auckland has 15 out and QSL's back from RA Shepp 21680 AFRTS Del 21500 Belgium 11880.

JOHN DURHAM, Meremere has a goodly list from Israel 9495 7395 12050 10250 Islamabad 21730 RA Lyn 5995 RA Sh 21655 ELWA 15170 Austria 7250 IRA31 6060 ORTF 9675 11735 7135 Peking 7590 AIR 11810 15205 Poland 7270 Hanoi 10040 CBC 11855 6125 11990 BEG 7210 RNZ 6080 RAI 7275 RNE Canary 15365

G. PONT, Dunedin has QSL's from RSA 17805 VOA Munich 3985.

DES DAVEY, Te Kuiti has veries in from Ned Bon 9715 CBG 5970 11720 RA 11850 11765 RN Bon 11730.

STAN LARKING, Whakatane has 18 out and QSL's in from Conakry 11965 Tashkent 6025 Seoul 11925 Rawalpindi 15105 VOA Okinawa 15210 Riyadh 9605 NHK 9700 Noumea 11710 KGEI 9585 9520 Jakarta 11790 Radio Alvorado 3345 Paris 9675 Clarin 4050.

— BEST OF THE MONTH —

OVER 9 MHZ

TWR Monaco 9730 kHz 100kw

Alan Robson

Under 9 MHZ

Reunion 2446 Khz 4kw

Bryan Clark

EQUIPMENT REVIEW

Another instalment in this continuing story....

DALLAS MCKENZIE, Christchurch DXes with a Grundig Satellit 2001/6001 & an ex-RAF 1155B 11 valve receiver. Antenna is 20ft whip in $\frac{1}{2}$ " duralium.

LEIGH MORRIS, Palmerston Nth uses a National NC140 communications set & has an 8 valve Philco 860 as standby. Aerials are a Mosley SLW-7 trap dipole & 23ft whip fed by 50ohm coax. DX aids are a 100kHz crystal calibrator, digital clock, National 3-band radio/cassette recorder and a typewriter. A Codar PR40 preselector is on order from Britain.

IAN DONALDSON, Victoria listens in on a Sanyo RP3450 transistor radio. Antennas are a 135ft longwire, 12ft whip and 40" MW loop. Plans are for a 248ft longwire to the East, at a height of 30ft.

NORMAN CLOVER, Hamilton is another Eddystone user, with an EC10 Mk II linked to a multi-band dipole and 16ft whip with an ATU. A MW loop has just been constructed and now Norman is working on a MW booster.

DES DAVEY of Te Kuiti has a Trio 9R-59 communications receiver but is on the lookout for a new set. Antennas are a 260ft longwire & a 20ft whip.

GRAHAM PONT, Dunedin has a Empfanger BC342 receiver and aerials 120ft to the North at a height of 30ft and 35 ft long East-West at a height of 35 ft. A Cassette Recorder helps out.

Finally, from West Australia, CRAIG TYSON uses a Trio 9R59DS & Marconi B28 receiver, with a BC221 frequency meter and various antennas including a 60 metre dipole, 50ft high!

TO BE CONTINUED.

swazi

SHORTWAVE BANDWATCH



Again this month the majority of our listings are concentrated around the 60 metre tropical band where many interesting signals continue to be heard. Kuching in Sarawak is noted on a new frequency, namely 5005kHz and Dene Lynneberg has heard Angola 7245 in the late morning on one occasion. The trend during July should be towards continued optimum daylight listening conditions, while during darkness, signals below 12 mHz should predominate. (+ indicates overseas contributor)

ALL TIMES G.M.T. (12 hours behind NZT) FREQUENCIES IN KILOHERTZ

FREQ	TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	INITS
3240	0600	PERU	Radio America	good with EE pop music on a Sunday.	SG
3285	0445	SOUTH AFRICA	SABC Domestic Service	in EE. News at 0500.	CD
3330	0520	UNIDENTIFIED	Latin American	under CHU on a Sunday. Bolivia? (Nothing hrd here in last 2 yrs by NASWA mbrs. HCHA2 drift? Ed)	SG
3380	0430	ECUADOR	Radio Iris	with commercials. Sign-off at 0500.	CD
3380	1825	MALAWI	MBC Blantyre	fairly good in EE & vernaculars. Id & nx in EE at 2000. Still audible at 2025.	DL
3390	0420	ECUADOR	Radio Zaracay	with mx prgm. CD. 0600 fair, freq ident.	SG
3395	1015	VENEZUELA	Radio Universidad	with commercials & music.	CD
3668	1130	PORTUGUESE	TIMOR Dili	at fair level with mx & nx in PP.	BH PGR
3985	2015	SWITZERLAND	SBC	fair reception. AR (Omnidirectional to Eur in PP) GP rpts VOA Liberia here at 0700. with EE news. SBC Berne here at this time in EE. VOA Munich on 3980. VOA Liberia currently sked on 3990 at 1600-2400 only. ED)	DL
3995	1030	SOLOMON IS.	V304 Honiara	poor-fair in EE. PGR 1830 good.	DD
4725	1130	BURMA	Rangoon	good copy in local language.	TM
4755	0415	BOLIVIA	Radio Em. Bolivia Oruro	good with pops & flute mx. Full ident at 0430 with frequencies etc, then more mx.	DL
4766	0400	ECUADOR	CRE Guayaquil	fair in SS at s/off with full ident.	DL
4790	0451	PERU	Radio Atlantida Iquitos	usually good signal. JD KR 1050.	JA
4795	0955	BRAZIL	Radio Congonhas	good in PP. 1000 full id then news.	DL
4796+	1110	BOLIVIA	Radio Nueva America La Paz	commercial mx prgm, good.	DL
4810	0347	VENEZUELA	Radio Popular Maracaibo	fair in SS. Full s/off 0355.	DL
4810	1205	GALAPAGOS IS.	La Voz de Galapagos	very good strength at s/on with Mx prgm & frequent ident in SS. Some splatter China 4807. BC 1157 Sign-on at this time, full id. 1200. TM 1206 S/on Also noted with s/off anncts at 0406 but better at opening.	DL
4820	0330	HONDURAS	HRVC	with EE religious prgms. CD. S/off 0429 after full annct in EE with address of HRVC Box 145 Tegucigalpa.	DL
4820	0930	ECUADOR	Radio Paz y Bien	signs on. CD. 0934 good in SS with mainly spoken prgm. Id as "Radiodifusora Paz y Bien" 4819.7m.	DL
4832	0500	COSTA RICA	Radio Capital	mx light mx prgm to s/off 0600. CD	JA
4845	1200	BOLIVIA	Radio Fides La Paz	good in SS with Id & Flute mx prgm.	DL
4855	0430	MOZAMBIQUE	Radio Clube de Mozambique	hrd one day only.	CD
4855	0320	BRAZIL	Radiodif. de Taubate	improving in PP with local songs. S/off 0400. CD. (IC states Mozambique hrd at 0850. This more likely Brazil as 11am in Lourenco Marques makes propogation highly improbable, Ed)	DL
4865	0410	BRAZIL	Radio Clube do Para	with commercials & Brazilian mx.	CD
4875	0425	SOUTH AFRICA	Radio RSA	concludes EE prgm to Africa then int/sig till EE Id to open service in Lozi at 0430. 250kw regular. 0436 poor in Lozi for Africa to s/off 0459. JM 0506 Int/sig.	SG
4875	0500	BRAZIL	Radio Jornal do Brazil, Rio.	good in PP to s/off 0530.	DL CD
4875	0925	BOLIVIA	La Cruz del Sur	with Bolivian mx till s/on anncts. 0959 fair in SS & native lang. with some religious prgming.	CD
4880	0956	VENEZUELA	Radio Universo	good with full ident at sign-on.	EC
4884+	0830	DOMINICAN REP.	Radio Comercial	with good signal.	EC
4895	0406	PERU	Radio Chanchamayo	good in SS with Peruvian mx. Id 0407.	DL
4900	1000	VENEZUELA	Radio Juventud	good. Many timechecks and ident.	DL

FREQ	TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	INITS
4905	0230	BRAZIL	Radio Relogio,	Rio de Janeiro time pips & commercials. Full id & s/off regularly noted at 0303 tho listed as 24hrs. 0245 fair, improving in PP with timecheck every minute.	CD DL
4907	1040	KHMER REP.	Phnom Penh	fair but noisy with Mx & Nx.SG 1100 fair	TM
4910	0430	ECUADOR	Em.Gran Colombia	fair-poor till s/off 0500.JA.4910.7m	DL
4920	0400	HONDURAS	Radio Progreso	mixed Brisbane.CD. 0615 VLM4 logged.	JF
4935	0415	BRAZIL	Radio Poti	with mixture of pop & Brazilian music.	CD
4935	0355	PERU	Radio Tropical	signs-off.CD. 1123 good in SS freq idents.	DL
4940	0600	IVORY COAST	Radio Abidjan	signs on in French.	CD
4940	1000	VENEZUELA	Radio Yaracuy	s/on.CD 1031 fair-good most nights.	SG
4945	0300	BRAZIL	Radio Capixaba	heard to sign-off.	CD
4945	0830	COLOMBIA	Radio Colosal	HJDH good in SS. IC. 0714 Good in SS.	JA
4955	1010	COLOMBIA	Radio Nacional,	Bogota good in SS.Mainly spoken prgm.	DL
4955	1110	INDONESIA	Radio Republik	Indonesia with EE/Indonesian conv.	GS
4965+	0627	COLOMBIA	Radio Santa Fe	at fair level.4th try for SSL!	HW
4980	1000	VENEZUELA	Ecos del Torbes	s/on.CD. 1040 good signals.	JA JD
4972+	0230	ECUADOR	Radio Tarqui	1/2 hr of news in SS. S/off 0400. Dexter	NASWA
4990	1024	VENEZUELA	Radio Barquisemeto	fair but not hrd every night.	SG
4995	0430	PERU	Radio Andina	with Indian Mx.CD. 0600 fair with native mx.	SG
5005m	1100	SARAWAK	Radio Malaysia,	Kuching heard at this time.	CD
5010	1330	SINGAPORE	Radio Singapore	with Nx in EE.CD.1445 fair-good	EE. PG
5020	0400	ECUADOR	Radio Centinela del Sur,	Loja fairly good till s/off with full id 0410.Freq 5018.4m.DL.Logged on 5005 at 0900.	IC CD
5025	1200	PERU	Radio Quilabamba	with Indian songs.	CD
5030	0500	DOMINICAN REP.	Last months unid is La Voz de Papagayo	hrd weak after Radio Continente off. All night some days.	CD
5035	0330	BRAZIL	Radio Ankangura	with Brazilian songs till s/off 0400.	CD
5040	0330	PERU	Radio Libertad de Junin	with Indian mx.CD. 0700 SS music at fair strength.LR. 0909 Fair in Spanish.	JA CD
5040	1430	BURMA	BBS noted in EE at this time.	Light mx, news at 1445.	CD
5045	0310	BOLIVIA	Radiodifusora Altiplano	with mixed music prgm.	CD
5055	0345	BRAZIL	Radio Vitoria	heard with Brazilian songs.	CD
5075	0600	COLOMBIA	Radio Sutatenza	good with s/off Sundays.SG.0935 SS mx.	PG
5805	0305	YEMEN ARAB REP.	Sanah	fair signal but noisy. AA songs & talks.	AK
5955	0700	GUATEMALA	TGNA Radio Cultural	hrd one day with orch mx prgm.	CD
5955	2055	WEST GERMANY	DW werchtachtal	good with World Cup Soccer prgm. Other freqs reported 7105 good at 2100.BC BH 9510 spoilt by heterodyne. 9625 fair 2130 beamed to Africa.	JA DL CD
5970	1000	DOMINICAN REP.	RTV Dominicana	has news at this time.	CD
5980	1100	EL SALVADOR	Radio Nacional	hrd one day only signing on. Nx at 1200 in SS.CD. 1157+ pop music. Gongs & ident 1222.Fair.	HW CD
5985	1000	ARGENTINA	Radio Splendid	with news broadcast.	CD
6000	0807	BRAZIL	PRK5 Radio Inconfidencia	fair in PP.	IC
6006	0945	COSTA RICA	Radio Reloj	mixed light mx.CD. 1013 TIHB good in SS.PG GS 1144 good strength. Plenty of idents.	JD
6010	0700	PERU	Radio America	in //3240 but weaker.SG. 0800 with Latin songs. Also noted at 0930 on 9505kHz.	CD
6015	0945	PARAGUAY	Emisoras Paraguay	with local music.	CD
6020+	0500	FRANCE	ORTF Paris	FF news followed by EE prgms. Good signal.	EC
6030	0856	JAPAN	Radio Japan,	Tokyo opens in Korean 0900 good.	KR
6040	1100	COLOMBIA	Voz del Tolima	with program "Buenos Dias".	CD
6045	0900	INDONESIA	RRI Voice of Indonesia	fair in EE till 0930.	CD SG
6055	1030	JAPAN	JOZ2 Nihon SW Broadcasting Co.Ltd	(NSB) good.	KR
6055	0430	PERU	Radio Continental	with popular mx.CD. Unid Latin 0530-0600 Sundays only, good till blocked 0600. Continental?.	SG
6060	1530	UZBEK SSR	Tashkent	fair in Uighur language. New freq 22/6.	JM
6065	1330	MALAYSIA	BBC Far Eastern	Station very good signal.	DD
6065	2100	SWEDEN	Radio Sweden,	EE service,Exc.GS 2345 500kw vg at s/off.	DL
6090	2325	ARGENTINA	Radio Belgrano	with football cmtry in SS, mixed with Luxembourg,fair.DL. 0950 hrd under ABC Sydney.	CD
6095	0713	COLOMBIA	HJIW El Espinal	good in SS. Id at 0730: "En su radio, La Voz del Centro,emisora Radio Cadena Nacional,la Radio de Colombia".DL. 0700 fair on Sundays.SG. 0740 fair.	KR

FREQ	TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	INITS
6115	0515	PERU	Radio Union	with programme of Latin music.	DD
6115	0916	BRAZIL	ZYC7 Radio Tupi	good in PP.	KR
6035+	2230	SOUTH AFRICA	Radio RSA	good level in EE to Nth America.	EC
6125	0835	BRAZIL	PRG9 Radio Nacional, Sao Paulo	fair in PP.	IC
6125+	0545	UNITED STATES	VOA Greenville A, 250kw	to Central Europe, good.	EC
6150	2315	GREAT BRITAIN	BBC Daventry 500kw	vg in Indonesian with nx.	DL
6160t	0820	CANADA	CKZU Vancouver	poor in EE. SW relay of CBU 690kHz.	IC
6180	0940	ARGENTINA	Radio Nacional, Mendoza	with Argentine folk mx.	CD
6210	0500	INTERNATIONAL WATERS	Radio Nordsee	EE ident. PG. EE Sun. poor.	JD
6250	1830	ECUATORIAL GUINEA	Fernando Po	with indig mx, talks in dialect.	TM
7120	2130	GREAT BRITAIN	BBC World Service	with World Cup report. BH Other BBC freqs rptd: 7130 at 0348 JRM from DW.LA. 7150 at 0551. At 0505 Nx & Cmt good on 7185. JF 7325 EE at 2345. PG. AA at 0500.	EC+
7125	0630	GUINEA	Conakry	poor with talk prgm in local dialect.	LR
7190	0300	YEMEN	PDR Aden	fair signal opening with band music. AA prgm.	AK
7245	2322	ANGOLA	Em. Official, Luanda	hrd 24/6 only. (RFE & jammer hrd on subsequent days). PP songs, then PP nx at 2349 and s/off with "A Portuguesa" anthem 2359. Reception via polar route.	DL
7260	2200	EAST GERMANY	RBI	unsked test? tx. Very good with int sig and id in FF, Dutch, EE, GG and Italian then FF prgm at 2215.	DL
9495	0346	ISRAEL	Jerusalem	Russian. Slight jamming. Overall good. IBA also reported at vg level in EE at 2030 on 9785kHz.	JM
9540	0325	CZECHOSLOVAKIA		good in EE to Nth America //9740. JD //11990	AR
9550	2130	BELGIUM	Brussels	s/off in FF at poor strength.	BH
9555	0408	UNITED STATES	WYFR Family Radio	new Russian Svce till s/off 0445	JD
9580	0448	GRT BRITAIN	BBC	poor-fair. 9640 poor at 0622. LA 9640 @ 5. JF /JM	LA
9587+	0450	PERU	Radio Selecta	Andean Mx after Bonaire s.off. Id & off 0458.	JM
9650	0300	AUSTRIA	ORF	in German. BH. 0230 excellent sigs. EC+ /Reeves	NASWA
9655	0040	BELGIUM	ORU	good with EE "Belgium Speaking".	DS JD
9670	2200	PORTUGAL	SEIT (State Information & Tourist Office)	via Sines. Good in Dutch till sign-off 2230.	BC
9660+	0500	ANGOLA	Voz de Angola	s/on in PP fair reception. Dosson	SADXC
9675	0300	POLAND	Warsaw	fair in EE to Nth America //6135. BH. 0307-0330.	EM
9700	0400	BULGARIA	Radio Sofia	nx & DX prgm in EE. Good.	JF
9715	0930	PHILIPPINES	FEBC	Manila very good reception.	DD
9720	1100	PERU	Radio Victoria	with news in Spanish.	CD
9745	1935	IRAQ	Radio Baghdad	in EE fair-good. EE news till after 2000.	BHPGR
9750+	1015	INDIA	All India Radio, Delhi	good level with musical prgm.	EC
9833	0430	HUNGARY	Budapest	fair in EE to Nth Am //11910. BH 2245 Tue. DX prgm	LA
11760	2100	COOK ISLANDS	ZK4	fair with EE for Schools. Some fading. 2118 good strength 15/6 but faded by 2145.	BH /PGR
11820	0515	EAST GERMANY	RBI	opening in Arabic, overall fair.	JD
11835+	1134	HAITI	4VEJ	very poor. Heard after Sri Lanka closes down.	JM
11840	0333	PORTUGAL	Lisbon	fair in EE. QRM frm EAST GERMANY RBI in EE 0359	HW
11845	0100	VATICAN STATE	Vatican Radio	s/off in EE at good strength.	LA
11880	0330	CHILE	La Voz del Patria	SS ids & talks to 0345. Lineback	JD
11900	0615	SOUTH AFRICA	Radio RSA	West african Svce, fair. DS VG in EE.	NASWA
11905	0500	UNITED STATES	KGEI	new freq ex 11900. Now JRM from Paris frm 0600. Fair with SS rlg prgms. JM. 0600 news in Spanish.	PGR
11925	0300	SPAIN	Radio Nacional de Espana	exc with EE news.	AC
11960	1200	UZBEK SSR	Radio Tashkent	EE Service on this freq. Poor. Vogel	AR
11965	0231	LEBANON	Beirut	good with popular mx. HW+ Exc in EE. JD 0243 Mx.	DXPOST
12070	2100	USSR	Radio Moscow	with news. EM 12020 good in EE to Africa.	AK
15270	0557	SEYCHELLES	FEBA	Victoria sign-on with chimes.	BH
15275+	1530	MALAYSIA-SABAH	Radio Malaysia	fair in AA ex 15295. Shishido	AC
15290	0400	SYRIA	Radio Damascus	heard with Arabic programming.	JSWC
15305	0151	SWITZERLAND	SBC Berne	good with English prgm.	CD
15345	2159	INDONESIA	RRI Jayapura	signs on with a March.	LA
15445+	2200	BRAZIL	Radio Nacional	regular during June, fair signal.	AC
15450	0030	UKRAINIAN SSR	Radio Kiev	good in English.	EC
15455m	0450	BANGLADESH	Dacca	with EE nx. AA broadcast begins 0515. Good.	JD

FREQ	TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	INITIALS
17805	0615	SOUTH AFRICA	Radio RSA,	Johannesburg with news in EE//11900.	BH GP
17810	1930	PHILIPPINES	DZI16	FEBC Manila fair in EE with religious prgm.	BH
17840	2100	CZECHOSLOVAKIA	Prague	logged with fair reception in FF.	AR
21515	0100	PHILIPPINES	FEBC	Manila poor in EE. JA. 0330 also poor in EE.	PG

CONTRIBUTORS. Thanks this month to: CD Chris Davis DL Dene Lynneberg
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 JF Jack Farrow BC Bryan Clark TM Tony Marr JM John Mainland
 EC Eric Carter KR Keith Rogers DD Des Davey SG Steven Greenyer
 JD John Durham GP Graeme Pont EM Errol Monson HW Harry Weatherley
 AK Arthur Kindell AC Arthur Cushen DS Denise Shillito GS Graeme Shillito
 LR Lindsay Robinson LA Lance Andrewes PGR Peter Greener Bill Huddleston
 North American SW Assn South African DX Club Japan SW Club and DXPOST
 the monthly bulletin of the Southern Cross DX Club, Adelaide, Sth Australia

SW SURVEY

From members of the Waikato/Bay of Plenty Branch comes the following run-down of stations being heard in the 3000-4000kHz range of the shortwave spectrum. Thanks to Charles Douglas, Mike Smith, Paul Frost and Stan Larking.

3220	Radio Morobe, P-NG	0830	Regular all evening. (\$)	3560	Pyongyang good in English	1910.
3244	Radio Baghdad	1815	with Koran.	3607	NHK Hiroshima Home Svce	1100.
3245	Radio Kerema, P-NG.	Same as (\$)		3668	Timor good with Mx	1130.QRM.
3250	Bandjarmasin, Indonesia	1045.		3900	PLA Fukien China good in CC	1130
3255	R.Clube de Marilia, Brazil	0855		3905	Palangkaraa, Indonesia	s/on 1000.
3260	Radio Madang, P-NG.	Same as (\$)		3910	FEN Tokyo regular	EE 0900.
3270	Unid in Russian lang.	1815.		3915	BBC Tebrau Malaysia fair	1000.
3275	Radio Southern Highlands.	(\$)		3918	Seoul Sth Korea Home Service	0830
3290	Action Radio, Guyana	weak 0900		3925	Port Moresby P-NG regular	0830.
3305	Radio Western Districts.	(\$)		3925	JOZ4 Tokyo mixed above	0900.
3310	Changchun, China	weak in CC	11.	3935	Semarang, Indonesia.	Nx 1100 fair.
3320	Pyongyang Home Svce	fair 0930		3945	New Hebrides 0600-0900 & later.	
3322	Radio Bougainville, P-NG.	(\$)		3952	BBC London good in GG	1900.
3335	Radio Wewak, P-NG.	Same as (\$)		3960	Padang, Indonesia	Nx 1100 fair.
3345	Radio Alvorado, Brazil	weak 915		3965	Paris fair 1900 mixed	SABC?
3355	Radio Noumea	exc all evening.		3975	Surabaja, Indonesia	weak 1100.
3355	Sumenep, Indonesia	weak after Noumea signs off	1100.	3980	VOA Munich fair in EE,	1900.
3360	Radio Milne Bay.	Same as (\$)		3985	Esc.Radiofónicas, Ecuador	opens 1100 good signal.Many idents.
3380	MBC Malawi	good in EE	1830	3985	Switzerland exc in German	1900.
3385	Radio Rabaul, P-NG	Same as (\$)		3990	AFNT Taiwan	nx 1100 poor-fair.
3400	PLA Fukien China	good	1140.	3995	Solomon Is. Exc 1000 & opening	mornings at 1900.
3488	Unid in SS	hrd once only at 1715.	Music & Rooster crows.	3995	Radio Free Europe	mixed SIBS 1900
3535	PLA Fukien China	good	1915 CC	4000	Hanoi, Nth Vietnam	good with Home Service at 1900.

Part Two of Shortwave Survey this month is contributed by West Australian member Craig Tyson. on the subject of LISTENING TO LOW POWER INDONESIAIS.

"I would strongly advise those who wish to do some Indonesian DXing, to refrain from accepting the 1974 WRTVH as their main information source as it is sadly outdated. I suggest that you should always positively identify the station for yourself, and not presume that it is what is listed in the book for that frequency. With the increasing numbers of reports that Indonesian stations are now receiving, it may not be long before they go 'black' QSL-wise in the same manner as many South American stations."

"Don't think that because an Indonesian verifies a particular frequency, that they're using that channel. Until they received DX reports for 9510, Ujung Pandang thought they were broadcasting on 9550kHz. As an experiment I have sent a report to one station, on a frequency that I made up...and they verified the frequency as correct! But I have found that 99% of Indonesian issue the most accurate & concise verifications of any that I have received.

Now some recently heard Indonesian stations.....

Radio Canada in its tentative schedule shows that in September they plan to use five overseas relay bases, and in November will alter the times of their South Pacific transmission. VOA have been carrying out test transmissions; and Radio Sweden is expected to use a new frequency at 0230.

ALL TIMES ARE GMT

ALL FREQUENCIES KHZ

Austria: Vienna has made the following frequency changes: 0600 - 0900 to East Asia is now on 21675 replacing 21720. From 1900 - 2200 to Europe 9660 replaces 9685; 1500 - 1700, 15150 replaces 15435.

Bolivia: Radio Nacional Huanuni 5965 is heard at 0330, but is blocked at 0345 by the BBC signing on in Russian.

Canada: Radio Canada in its tentative schedule from September 1 shows five relay bases in use. These are Daventry, UK; Moonbrunn, Austria; DW Malta; DW Kigali; and Trans Europe Sines Portugal. The November tentative schedule shows that the South Pacific service is to be retimed to 1000 - 1100 and will be carried on 5970 and 9625. The present schedule on these frequencies is 0830 - 0930.

Ecuador: Radio Luz y Vida has been heard with English announcements at 0430 on 4825.

Galapagos: HC8VG on 4810 reported last month as testing to 0525 is now being heard opening at 1200.

Holland: Radio Nederland has issued a verification card in honour of World DX Handicapped Aid Year. The card shows the slogan in print as well as in Braille tactile dots, and it is believed that this is the first verification card ever to be designed so that it can be read by the blind.

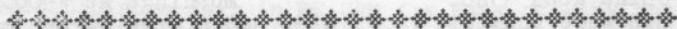
Sarawak: Radio Malaysia at Kuching is using the new frequency of 5005 and is heard with news in Malay at 1400.

Seychelles: FEBA is heard on 15270 opening at 0557 with chimes.

Sweden: Stockholm in its service to New Zealand from 0230 - 0300 on 11940 is suffering from jamming. Alternative frequencies of 11705 or 11865 could be used.

U.S.A.: KGEI is now using 11905 and is heard with Spanish news at 0600.

VOA has been testing from Dixon on 17705 and 21610 from 0130 to 0200 to the South Pacific. The VOA schedule to Oceania includes some new frequencies and the transmission is now 1100 - 1200 on 5955 (Dixon) 6110 (Philippines) 15250 (Delano) 15290 (Philippines) and 17820, 21610 (Dixon.)



SOME INDONESIANS RECENTLY NOTED IN THE 2500-6000KHZ RANGE by CRAIG TYSON.

- 2584 Radio Daerah Yogyakarta heard relaying news from RRI Yogyakarta at 1400.
 3445 Radio Siaran Pemerintah Daerah Kabumasuan Pasuruan (East Java) has local identification at 1400, then news.
 3459 Radio Pemerintah Daerah Kabumasuan (RPDK) Bima (East Sumbawa) noted in Indonesian from 1100 until sign-off at 1600.
 3462 RPDK Pasuruan (East Java) noted from 1100 till sign-off 1600.
 3474 RPDK Jombang observed from fade-in at 1010 till sign-off at 1600.
 3895 RPDK Sukohardjo (Central Java), not Surakarta, fade-in 0915, off 1600.
 4000 RRI Pontianak heard on this frequency some nights, sometimes on 3965. Off at 1515 with full ident in Indonesian.
 4000 RRI Tanjung Karang observed 1515 till 1600 sign-off. Audible after above.
 4089 RPDK Blitar (west of Malang) noted from 1200 till after 1500. At 1400 relays news from Surabaya.
 4535 Radio Sukohardjo noted from 1000 till sign-off at 1305.
 5938 RRI Medan heard with identification at 1230. Advertising & announcements.



Utilities

Five contributions this month. A welcome to Mark Corrigan!

15

BRIAN GALL Palmerston North advises a QSL from Roma Radio on 8783. What form does QSL take Brian as I understand they seldom acknowledge reports.

PHILIP BROOKES Wanganui has a QSL from VNG 4500.

MARK CORRIGAN also of Wanganui has verified VNG 4500, 7500, 12000, WWV 10000 and CHU 7335. Mark, we do not class hams as Utilities. 4136 is a frequency used by Australian marine coastal stations. Lord Howe Is to Sydney operates on 5652kHz.

SINCLAIR BENNETT, Christchurch has QSLs from many NDB stations: NY, FR, FF, WN, WP, KT, DN, BR, HN, GS, NS, PM, RO, ZLOJ, WOL, PA, HD, OH, OD, FU, BM, LX, CT, SY, RS, CO, NL, HL, AS, BU, WR, TU, KI and WI.

BILL PEARSON, Wellington has verified VIM 2056, 2182, 4415, VNV 9046, 3DR41 (C&W) Fiji 9150, PCK59 19706.5, American Samoa PTT 10707, West Samoa F.O.5750.

NON DIRECTIONAL BEACONS as heard by Fred Clements, Wellington and Sinclair Bennett of Christchurch,

FREQ(kHz)	CALLSIGN	LOCATION	FREQ(kHz)	CALLSIGN	LOCATION
206	WP	Whenuapai	317	BR	Brothers Is.
218	OH	Ohakea	317	SY	Sydney
222	FR	Forest	326	KI	Kaikoura
230	CO	Mt Cook	330	NR	Napier
234	WN	Wellington	332	BH	Broken Hill
238	KT	Kaitaia	334	HD	Whitford
242	WOL	Wollongong	338	DN	Dunedin
242	PP	Paraparaumu	342	BM	Blenheim
246	HN	Hamilton	346	GS	Gisborne
254	WI	Waiuku	354	WY	Waverley
258	PM	Palmerston N.	358	NL	Newlands
262	OD	Woodend	358	HY	Hornby
270	PU	Porirua	366	TU	Timaru
274	-	Christchurch	370	NP	New Plymouth
282	RO	Rotorua	374	BU	Burnham
286	CC	Cape Campbell	374	HL	Henley
290	PKS	Parkes	382	WU	Wanganui
291.5	ZLOJ	Dog Island	390	PA	Pahiatua
297.5	ZLOA	Baring Head	393	CM	Cooma
302	OU	Oamaru	394	NS	Nelson
305	ZLOD	Stephens Is.	398	WS	Westport
307	NA	Nausori(Fiji)	406	WG	Wigram
311	CH	Coffs Harbour	1615	OR	Ohura

<u>NMC REVISES SCHEDULE.</u>	
The US Coast Guard Communications Station, San Francisco (NMC) has a tx in SSB on 4383.8 8732.1, 13147.5 at 0430, 1030 & 1230GMT; and on 8732.1, 13147.5, 17293.5kHz at 1630 & 2230GMT.	
<u>MARINE NATIONALE</u>	
callsign FUJ at Noumea, New Caledonia broadcast-casts in CW on 4590, 9290, 17655, 22725kHz at 0000, 0400, 0900, 1400, 1900. Pwr: 1-15kw	

NZ TIME SIGNAL STATION - ZLFS

Station ZLFS, operated by the Frequency Standards Section of the Physics and Engineering Laboratory, DSIR, Gracefield, Lower Hutt transmits on a frequency of 2500kHz every Wednesday from 0100 to 0400 GMT. The transmission comprises an unmodulated carrier, the callsign being given at the beginning and end of the transmission.

UTILITY TRAIL (Credit to Bill Pearson & Mark Corrigan.)

- 2182 Naval Radio Comm. Station Balboa 1106GMT 13133.5 St Lys Radio at 0900
- 7335 CHU Canada time station in EE & FF. with FF Musical t.t.
- 7977 ATTC New York male t.t. 0720. 13475 Havana PTT Cuba t.t. in
- 8751.2 St Lys Radio with t.t. FF musical 0900 EE & SS 0824.
- 9150 Cable & Wireless Suva male t.t. 2215. 13875 OTC Australia t.t. 2115.
- 10335 Cable & Wireless Bermuda male t.t. 0800 19330 Italcable male t.t. 0830.

CLOSING DATE FOR NEXT COLUMN:
15 AUGUST.....15 AUGUST.

SECTION EDITOR: Bill Pearson.

..sign off..

DEUTSCHE WELLE - MALTA The Voice of Germany's relay station on the island of Malta, which is still under construction, will finally guarantee sufficient reception quality of DW programmes for listeners in the Mediterranean, North Africa and the Near East. At present one mediumwave transmitter is operating on 1570kHz at reduced strength with music programming and English announcements. The completed project will include one MW and three SW transmitters, each of 250kw. Completion is expected in late 1974. John Mainland

BELGIUM RTB-BRT Brussels, the Belgian Radio & TV is considering the introduction of a Far East transmission. DX Corner Belgium

ARGENTINA Current sked of RAE Buenos Aires is: To Europe & Africa on 11710 with SS at 1900, Italian 2000, German at 2100, FF at 2200 & English 2300 to 2350. To Americas & Nth Pacific on 9690kHz - PP at 0000, SS at 0100, EE at 0300, SS at 0400 and EE again 0600 to 0700 sign-off. To Far East on 9690 in Japanese from 1100-1200 GMT. H. Ishii JSWC

TUNISIAN RADIO hopes to extend its overseas services. A shortwave transmitter to be built at Gafsa will be used to beam programmes to Europe. Bernard Chenal DX Corner B.

COOK ISLANDS BROADCASTING & Newspaper Corporation is reported as shortly to test 2 new 5kw transmitters on 5045, 9695 or 11760kHz. NASWA

market square

FOR SALE: EA130 Receiver with tunable IF, including BFO. Ideal for convertors. Also: Philips Radio with MW & SW 6 to 20MHz; Also: Antenna Tuners, Preselectors, Power Suppls. For more details write to Deryk Duffy, 57 Chorley Ave, Auckland 8.

LOUDER VOICE FOR UGANDA. A 500kw SW transmitter to provide coverage as far as North America & Europe for Radio Uganda, has been ordered from a Swiss manufacturer at a cost of NZ\$2.4 million. It is expected to be operating in 18 months. Errol Monson

New Zealand

Radio DX League

ADMINISTRATIVE OFFICE

P.O.Box 1313, Invercargill.

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

EDITORIAL OFFICE

P.O.Box 2956, Wellington.

Only queries relating to distribution and content 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: \$4.00
(Secondary Students: \$3.00)

MEXICO CN SHORTWAVE, an up-to-date list prepared by the Mexico DX Club.

(a) indicates regular broadcaster, (b) indicates irregular, (c) extremely irregular.

- 6010 XEOI Radio Mil 1200-0600 (a)
6020 XEUW Radio Universidad, Vera Cruz. 1200-0600 (b)
6090 XECMT "Onda 145" 1200-0600 (b)
6105 XEQM Merida 250w 1200-0500 (b)
6160 XEAW Voz de la America Latina 0300-0630 (b)
6185 XEIGM Voz del Maestro 2305-Mon to Fri only.
9515 XEWW as for 6160. 1400-2100 (b)
9545 XEFT Voz de Vera Cruz. (c)
9555 XEQF Hora del Observatorio, D.F. 1400-2100 (b)
9600 XEYU Radio Universidad, D.F. 1300-0600 (a)
11770 XERMX Radio Mexico. 1300-0600.
15125 (Sundays to 0500 only)(a)
11820 XEBR La Pantera, Hermosillo. (c)
15160 XEWW Voz de la America Latina (b) via ASWLC

Stop Press....mystery...

An unidentified station broadcasting uninterrupted classical music was observed first by Philip Bolton on 4th July on a measured frequency of 3938 kHz, between 0620 and 0733GMT. An orchestral interval signal is played before the hour. On subsequent days orchestral music has been broadcast as late as 0855GMT. Signal subject to deep fades, but often strong. An anct in FF noted one day only. BC