



NEW ZEALAND DX TIMES

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EXCITING FUTURE FOR BROADCAST DX.

During October and November, 110 member nations of the International Telecommunications Union (ITU) and effected international organisations were represented at a Regional Administrative Conference, set up with the main task of producing a frequency assignment plan for long and medium wave broadcasting in Europe, Africa (making up ITU Region 1) and Asia, Australasia and Oceania (Region 3). This was the second session of the Conference with the first having been held in October 1974. (Ref WRTVH 1975 p.190-2). Overcrowded frequencies in Europe and heterodyne interference between European/African and Asian stations caused by interaction between transmitters with the various frequency separations currently in use, were major considerations in setting up the conferences.

The single most important decision taken at the 1974 session was that the MW band should be divided on the basis of 9kHz channel spacing (instead of 10kHz as presently used in Region 3, including NZ, and a mixture of 8kHz, 9kHz and 10kHz in Region 1. Apparently Australia favoured 8kHz separation, but in the interests of unanimity finally supported 9kHz channelling. 120 channels will be available on medium wave compared with the 108 channels available under our present 10kHz spacing. The new broadcast band will begin at 531kHz and proceed in 9kHz 'jumps' through to 1602kHz. Already the Australian Broadcasting Control Board has indicated that some stations may have to move frequency up to 30kHz and many more will require directional antennas.

ITU Region 2 (North & South America) will, we understand, remain on 10kHz separation. With 9kHz separation here, the only 'even' frequencies which can be allocated will be 540, 630, 720, 810, 900, 990, 1080, 1170, 1260, 1350, 1440 and 1530kHz. In all other instances NZ and Australian stations will be on 'split' frequencies (for instance 2YA might move from 570 to 567kHz and 3YA could change frequency from 690 to, say, 693kHz.) All in all, numerous clear DX channels will be created.

Timing for the frequency relocations is not known, but we would guess at moves towards the introduction of 9kHz separation in NZ and Australia within a few years, bringing with it a whole new DX 'ballgame'.

Info per MB/ABCB

CONVENTION 76

HAVE YOU ENROLLED YET?
REGISTER NOW!

CLOSING DATE FOR NEXT ISSUE: MONDAY 5 JANUARY.
SEND DETAILS OF YOUR HOLIDAY DX, QSL's, BOM's
& CONVENTION 76 REGISTRATIONS TO BOX 2956, WGTN.

**We Extend Sincerest Good Wishes For A Merry Xmas and
A Prosperous New Year**

FROM THE BRANCHES

SOUTHLAND The November meeting at Harry Searle's with 10 present. DX activity from North America was reported on the improve, and some interesting loggings had been made. Convention plans showed that possibly 5 members will attend. The Countries Committee reported on some additions to the Countries List - these will be published in the DX Times. Those present then listened to an interview from Geneva with the NZ representative at the Conference discussing the Broadcasting Plan for Asia and the Pacific. Competitions: BCB to Eric McIntosh with KICY Nome 850 5kw, and to Arthur Cushen with WGEE Wisconsin 1360 5kw and Johore Bahru 1220 50kw. SW Over 9 - Wyn Machon, Vienna 9770; Under 9 - Arthur Cushen, Radio France 3965 4kw.

OTAGO There was a disappointing response to both the October and November meetings, but an improved turnout of members is hoped for the end-of-year DXpedition to Mount Cargill on 13 December. An invitation has gone to North Otago branch to attend. November competitions: SW Under 9 - Austria 5980, Ash Nallawalla. Over 9 - Peace & Progress 21735, Jonathan Aitchison. BCB Under 1050 JOAG 660 Ash Nallawalla. Over 1050 KLAK 1600 Graeme Shillito. First 1976 meeting will be at D.Mills, 8 Tasman Street on Thursday, 29 Jan.

NORTH OTAGO The North Otago branch held its October meeting at Peter Grenfells with 13 members present and a welcome was extended to 4 visitors. During November a contractor began repairs on the Listening Post which was severely damaged in a recent storm. Paul Ormandy scooped all the competitions with Radio Fantasia 1550 and WMAQ on BCB, Radio South Africa and VOA Munich on SW.

CANTERBURY The November meeting was held at the Lower Selwyn Huts on 16 November, with a picnic for members before the meeting proper. Competitions resulted: BCB Nth Am - KJNP North Pole 1170, David Ricquish. Open - 9WK 1520 Alan Robson. Aust/NZ - 2ZA 940 Peter Mott. SW Over 9 - Prague 9540, Peter Mott. Under 9 - Nigeria 7275 Bob Boundy. The December/Christmas meeting was held at the Johnston's on 6 December.

WELLINGTON The November 30th meeting at Cecil Symmes was attended by 8 members, including newcomer Ramon Haines. Bruce Williams accepted the Hope McGregor SW Cup on behalf of the branch, and Convention 76 dominated business. Competition results: SW Senior to Bryan Clark with Niger 5020 and RN Talata 11740. SW Junior over 9 - Budapest 17780 Cecil Symmes. Under 9 - Togo 5047 and Mauritania 4850 both Paul Edwards. BCB Nth Am - KDKA Bryan Clark. A/NZ Rhema 890 - Paul Rawdon. Next meeting will be held at John Mainlands, 30 Burrows Avenue, Karori at 2pm on Sunday 18 January 1976.

FROM THE BOX 2956 MAILBAG



SRI LANKA will celebrate 50 years of broadcasting on 16 December and special programmes in English, Sinhala, and Tamil will be broadcast in the ensuing week. A special commemorative stamp will also be issued.

SHOP AROUND! If you're planning to buy a new communications receiver get a few quotes before buying. While some members have paid over \$460 for a Kenwood QR666 in recent months, we understand the receiver can be purchased direct from the NZ agents John Gilberts in Auckland for \$360!!

AIRMAIL SPANISH REPORT FORMS are still available at reduced rate from the Stationery Secretary, P.O.Box 1313, Invercargill. Price is \$1 for 100, post free.

O.LUND JOHANSEN, founder of the World Radio Handbook in the early 1940's and the World Radio Bulletin in 1956, died recently at the age of 83. The Danish radio pioneer started his radio journalism with the programme weekly "Radio-lytteren" in 1925. The WRTVH will remain a memorial to this outstanding promoter of the DX hobby.

COUNTRIES LIST AMENDMENTS will appear next month.

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BROADCAST DX

with Bryan Clark

TRANS WORLD RADIO GUAM LOGGED

IMPROVED YANK RECEPTION

- + While DX conditions have been very good some nights, the Mailbag is rather leaner than usual - no doubt due to exams. Good luck to all our student members and also Happy Christmas and Best of DX in '76 to all League members.
- + It is pleasing to note more QSL's from Radio Cook Islands this month, after a long period in the doldrums. We have made approaches regarding a DX Special from Rarotonga for Convention '76 next February, but no word of confirmation is yet to hand.
- + Back in the August Times we indicated that Trans World Radio Guam's MW outlet on 770 khz with 10kw was due on the air. KTWG in fact came on the air 22 August. Reading of this in an overseas DX Magazine, your editor pondered the lack of reports from our corner of the world, and dialled 770 - voila ! KTWG was first noted here on 10 November between 0820 and 0903 GMT and again on subsequent nights. With a loop it was possible to significantly reduce co-channel interference from KOB and 3LO, leaving KTWG under powerhouse JOUB. Programming is not easy to log - practically uninterrupted orchestral hymn music. Another new Guam broadcaster is KATB, P.O. Box 65, Agana, Guam 96910 on 570 with excellent reception in Japan at 1720.
- + Now to news of the new Pacific country of Tuvalu, home of Radio Tuvalu, Funafuti on 580 khz. October 1, Constitution Day, marked the legal separation of the Gilbert and Ellice Islands. Tuvalu is the old name for the Ellice Group and means "eight standing together" signifying the eight major islands in the group. Until 1 January 1976, Tuvalu will continue to be administered from Tarawa in the Gilberts, but from the beginning of 1976, the 7000 population will become a separate colony of Britain in the same way that the Gilberts are. The new separate colony of the Gilberts has a population of 43000. According to Pacific Islands Monthly, the first broadcast from Radio Tuvalu was made on 2 October.
- + Otago Branch members Jonathan Aitchison and Ash Nallawalla have been experimenting with MW loops, Jonathan reports that his 'Christmas Tree-Chalet' shaped loop seemw to be extra directional. Ash's 'Delta' shape also seems to be an improvement over the conventional X Shaped loop.
- + In a verification letter to Dene Lynneberg, R.A. Dahlquist, Chief Engineer of KOXR Oxnard, California, 910 khz makes the following points for BOB DXers: "When sending reports to Americans commercial broadcasters remember that individual musical selections are not logged, but commercial announcements are. The exact time at which each commercial announcement goes on the air, to the nearest 1/12th (sic) minute, and the name of the sponsor appear on the program log. Therefore for verification purposes it is best to note the names of sponsors and include these names in the report, with the exact time each commercial went on the air, if possible." This is sound advice in reporting commercial stations, whatever their location.
- + U.S. postage rates are due to rise this month, with sn airmail letter to N.Z. expected to cost 31 cents. We also believe IRC's will cost 42 cents there.

Now into the mail -

GAVIN BENNETT, Invercargill has reports to Cooks 600 Fiji 1320 KHJ KXEL. QSL's in from KJJJ KGIL KGU KGA KSTP KOMA KING WLAC 1ZH 4ZA 2LT 3NE Fiji 890. A good postman Gavin.

OWEN BARRIBALL, Campbelltown, N.S.W. (formerly of New Plymouth) has logged 2NX NM LF HD GO WL DU NZ EA CC AD 3ZZ EA 4GR MK LM AK QL. All verified.

SUTTON BURTENSHAW, Invercargill has logs as WHSL 1490 KMPS 1300 6TZ 4WPF KVEN ZNS4 Funafuti 580. Veries in from 2XG 890 and Malaysia 1475.

JONATHAN AITCHISON, Dunedin has logged ZK1ZC and 3AK.

LINDSAY ROBINSON, Invercargill has logged 4YQ.

HARRY WEATHERLEY, Melbourne had a very successful visit to Chris Martin's in Sydney with reports to KORL KBOI KOB KRVN KHVH XEPRS CKWX KEX KLIF CKDA KPOI KCEY KOMA. Verifications in from Cooks Islands 600 and WKDC.

See you at the Convention Harry!

PHILIP BROOKS, Wanganui has logged KFAB WVUV 1ZA KOB WLW with QSL's in from 3SR ZK1ZC Suva 3ZM A3Z KFAB 1ZA. Phil has added another 540' longwire N/S to his antenna farm!

PETER MOTT, Christchurch has them back from 3NE 4ZB and KFBK. More time this summer!

ANDREW WHITE, Christchurch has logged KPOL KEEN with QSL's in from CKLG CBK 5AN 3ZO 3XA and 2XG. Another good month Andrew. Coming to Convention?

GRAEME HUTCHISON, Kaiapoi has reports to 3ZO ZC 2ZB 1ZM 4ZB. QSL's received from 1ZD and KFBK.

RAY CRAWFORD, Invercargill has one in/out 2XG. Reports out to XEPR and DWRF.

BRENT ALLRED, Motueka has them back from 2ZW 2ZP and 2ZE. Great fun doing MW. Perhaps you can come across for the Convention?

GRAEME SHILLITO, Dunedin has logged KATZ 1600 JOTG DYLA JOVR 6CA 6XM with QSL's in from KLAQ DWRF ZK1ZC and Munich 1602.

LAURIE BOYER, Invercargill has logged 1ZK 1ZC 1ZE 1XX 2ZN ZP ZD 3ZM ZC Fiji 560 VOA 580 DYLA. Veries in from 1XI A3Z 1ZC 3ZM 1YE 1ZN 1YK 1ZK 1ZM Bonaire 1ZK Singapore 790 1ZD 2ZW Avon 1XX 4YW 4YQ 2ZN.

ROBERT SCOTT, Te Aroha reports a good month with reception of KGMB 590 Gilberts 844 Cook Islands 600 CKLG Fiji 1470 1210. Your 1380 doesn't sound like WLCY or KTOM which have pops I think. Is a good channel for the U.S. East Coast though.

PAUL EDWARDS, Wellington has logged KHVH and QSL'd Rhema.

JIM BENZONI, Hamilton has a verie' from 3XA.

DAVID FELDON, Rotorua has logged KEX 4YW and 2JJ. QSL's soon.

BRUCE CAVANAGH, Invercargill has one from Rhema.

BRYAN OLIVER, Wellington has QSL'd his first Yank KFBK; also 1XA and Rhema 890.

DENE LYNNBERG, Titahi Bay has reports out to JODO 1530 CHWK KELI with veries in from KJNP KBCQ KOXR 2XG Moscow via Leningrad 1493.

ASH NALLAWALLA, Dunedin has QSL's from JOKR Munich 1602 2KM 7LA ZK1ZC 4LM KFAB KFRE with souvenir pen 1XI KGST JOAG Avon. Logged: 4NA KISN KNEW KOA 3HA CKWX CJVI 6BY PH DL AL GF BE BS WF WN GN ED CA TWR Bonaire 800 Fantasia Vladivostock 3DB KOTA KRVN. Good month Ash.

GRAEME HAMMOND, New Plymouth has reports out to 1ZU 3BA 4GY with QSL's in from 2XG 3BA 4GY.

STAN LARKING, Whakatane has reports to KTOM KMPS ZK1ZC. Verie ZK1ZC.

PAUL RAWDON, Lower Hutt has reported KELI and QSL'd 2XG KELI. Keep it up.

CHRIS MARTIN, Harbord N.S.W., has reports out to 2YB LG LT GO ML 6WN 7ZR 4YC 5AN KLIF CBK KMVI JOAB 2NC. QSL's in from Jammu 990 2NC 2IG 5AN 7ZR DWRF KJJJ. Your PP on 1390 will be KCEY which has PP 1310 GMT Mondays per NRC.

BRYAN CLARK, Wellington has QSL's from Rhema KDKA and logs as KTWG 770 KBAB 1490 KRKO 1380 KAYC 1450.

PAUL ORMANDY, Oamaru has QSL's from 2GO 2XG KFBK KPOL Cuba 4QS 4YZ. Logs as: KORL ZK1ZC CHQM CHUB.

PHILIP HOPE, Oamaru has QSL's from KFBK 4ZA 3XA 1YZ 1ZE 1ZN with loggings of KGA WOKY KORL KFAB and 1YK.

KEITH ROBINSON, Kapuka has reported Tuvalu 580 KMPS and CKWX.

ALAN ROBSON, Christchurch has a QSL from Rhema.

GRAEME BAMFORD, Tauranga has QSL's from KORL WLS and ZK1ZC. Bay of Plenty has great potential for BCB Graeme.

ARTHUR CUSHEN, Invercargill has verified 5UV 4WP 2TR WGEE Jahore Baru 1220. Reports out to KVAC 1490 Babylon 1038 CJVB 1470.

STUART FORSYTH, has reported 4XO and QSL'd 2YZ ZH and 4ZA.

BROADCAST TRAIL

Evening

600 ZK1ZC VG 0813 PO
620 KTAR Nx 0805 BC
700 WLW fair 0758 PB
720 KUAI s/off 0800 Monday BC
770 KTWG hymns 0820 f/in under JOUB
JOUB good with strong KOB
looped 0757 BC
790 WTAR ??? briefly over KABC 0749
17/11 BC
820 WBAP over NZ nightly 0800 PO
870 KAIM relig and classical mx 0807
1020 A3Z very good 0700 PB
1120 WVUV very good 0657 PB
1170 KVOO Tulsa wx fair 0704 BC
1190 KEX good 1033 PE
1300 WSZC Island mx 0826 BC
1320 CHQM VG 0849 PO
1380 WLCY mixed 0804 BC
KRKO 0731 nx wx fair BC
1430 KELI quite regular 0739 BC
good 0745 PR
1450 KVEN 0700 10/11 RC
KAYC peaking VG 0804 24/11 BC
WSZD VG 0759 22/11 BC
1480XEPR good 1215 with Hauraki off
2/11 RC
1490 KBAB taped ID and pops 0741
14/11 (BC) KVAC Forks, Washing.
regular f/c on first Monday
0815-0830 morse ID each minute.
Voice ID at sign off MB

Note:As a general rule trail items are not repeated from the previous month. Much of the November Trail is still audible in the 0700-0900 period.

Morning

550 KMVI nx and wx good 1548 DL
585 Moscow s/on in CC good.
Siberian site. DL
590 KGMB VG 1605 DL

650 KORL good with pops 1605 DL
660 JOAG exc in JJ 1345 AN
NHK 1 fair (JOAG or JOOG) 1307
710 KIRO nx Bank advts good 1435 DL
750 KXL sports nx 1440 fair DL
800 PJB EE/SS/PP 1315 fair PO
(?? three hours after Bonaire sunrise)
810 FEN Tokyo fair EE mixed 1608 DL
850 6CA 1530 late with sports 2/11
880 KRVN 1228-1245 exc AN
900 GJVI fair 1433-1444 AN
960 JOTG 1430 fair EE JJ GS
1030 KOTA fair 1300. 3DB looped AN
1040 KHVH nx 1600 fair (PE) 1325 DL
1070 KNX fair good 1342 DL
1190 KEX nx fair 1323 DL
JOKP exc in JJ 1344 DL
1250 Vladivostock exc JJ 1409 AN
1260 JOIR 1536 JJ commercials exc DL
1330 JOSF exc 1538 JJ phone show DL
1400 JOQL exc// JOQM 1450 at 1543 DL
1510 KGA fair good thru ABC 1322 DL
1530 KFBK nx wx VG 1321 DL
JODO fair JJ 1549 DL
1550 DYLA exc 1230 off 1405/or 1600
1600 KGST poor SS 1402-1418 AN
1602 Munich fair in GG 1601 DL
1604 Unid Asian in CC 1342 PO

-AUSSIE TRAIL-

Heard by Harry Weatherley at Chris Martin's in Sydney, N.S.W.

650 KORL fair 1357
670 KBOI 1349 fair
770 KOB good 1313
880 KRVN 1203 good
1040 KHVH good 1324
1090 XEPRS fair 1228
1130 CKWX good 1243
1190 KEX/KLIF 1143-1157
1220 CKDA 1334 fair
1390 KOEY 1408 fair in PP
1520 KOMA good 1255

CONTRIBUTORS:

Paul Rawdon, Bryan C;ark, Dene Lynneberg, Ash Nallawalla Paul Ormandy Graeme Shillito Merv Branks Ray Crawford Paul Edwards Philip Brooks.

BEST OF THE MONTH

SENIOR

WGEE Green Bay Wisconsin, 1360Khz
5 kw 137 pts Arthur Cushen.

JUNIOR GMW 590 Khz Paul Ormandy. 5

Australian Broadcasting Scene 1975.

As at 30 June 1975, there were 84 ABC and 118 commercial stations on the air in Australia. In the financial year ending March 1975, 21 commercial stations recorded a financial loss, compared with 16 the year before.

During this year the following new stations commenced operation: 2JJ 1540kHz on 19/1/75 using the standby facilities of 2BL/2FC at Liverpool near Sydney. A 10kw output with omnidirectional antenna is used. Both frequency & facilities are listed as temporary. 3ZZ Melbourne opened on 12/5/75 using the standby facilities of 3AR/3LO at Sydenham. 1220kHz frequency and 2kw through an omnidirectional antenna are all listed as temporary. Both these are ABC-run. Ethnic stations 2EA Sydney 800kHz and 3EA Melbourne 1120 commenced broadcasts on 9/6/75 and 16/6/75 respectively. Both were licensed by the Postmaster General under the Wireless Telegraphy Act. An independent survey of ethnic radio revealed that in Sydney, every Turk questioned had listened to 2EA, as had 98% of Greeks and 52% of Italians. In Melbourne, 98% of Turks, 77% of Greeks and 57% of Italians had listened to 3EA. The Minister of the Media said that the figures showed that ethnic radio had been long overdue and that it had been a success. The only standard-type ABC station on-air in 1975 was 4WP Weipa with 0.5kw on 1040kHz from 1/7/75. Finally we had 5UV Adelaide which moved into the broadcast band from its previous 1630kHz frequency. Run by the University of Adelaide, the station broadcasts music, public access, adult education courses and topical talks. Frequency is now 530kHz and the 0.5kw transmitter and omnidirectional antenna are located at Dry Creek, 10km north of Adelaide. Coops almost forgot 2CC Canberra which opened on 12/10 on 31/10. This is 5kw directional, sharing 2CA's antenna.

Changes implemented during the year were - 4WK moved from 880 to 960 in June and power increased to 2kw. 4AK Oakey changed frequency from 1220 to 1240 in May 1975. 2AN Armidale recently moved to 720 from 760, and 2TR Taree from 760 to 720, with a power increase from 0.2kw to 2kw authorised.

Power increases to 5kw have been approved for 4AM, 4BC, 4BK, 4IP, 4KQ & 4KZ but only 4BK has yet implemented a boost in output to 5kw on 1300kHz. All Australian commercial stations have in fact been invited by the Australian Broadcasting Control Board (ABCB) to apply for power increases to 5kw, but most increases will probably be tied to use of directional antennae.

24 hour stations are 2CH, 2GB, 2KY, 2SM, 2UE, 2UW, 2CA, 2HD, 2KO, 2NY, 2WL and 2JJ in New South Wales. In Victoria - 3AK, 3AW, 3DB, 3KZ, 3UZ, 3XY, 3BA. Queensland all-nighters - 4BC, 4BK, 4KQ, 4AK, 4CA, 4IP, 4TC and 4GR 860 since 1/9/75. South Australia - 5AD, 5DN, 5KA. West Australia - 6IX, 6KY, 6PM, 6PR. Finally in Tasmania, the only 24 hour broadcasters are 7HO and 7HT.

New stations and changes projected:

- 560 2.. Tomerong, near Nowra 1kw dir. new ABC due December 1976.
- 690 (710 according to one ABCB list) 2.. Campbelltown, Sydney, low coverage restricted commercial station with 0.5kw.
- 720 3MT Omeo 2kw dir. new ABC due on air September 1975.
- 760 3.. Wangaratta - a 10kw directional outlet projected.
- 800 2.. Moruya, south of Bateman's Bay 1kw dir. ABC due December 1976.
- 840 3.. Melbourne 0.5kw low coverage restricted commercial station.
- 880 4BH Brisbane to move here from 1390 with provision of directional aerial and power increase to 5kw.
- 1160 7FG Fingal, St Mary's. New ABC with 1kw dir. due January 1976.
- 1240 5AU Port Augusta to move here ex 1450 soon, with dir. antenna.
- 1350 2.. Blacktown, NW Sydney 5kw dir. commercial station.
- 1370 2.. Wollongong 5kw directional. Commercial station.
- 1370 3.. Morningson Peninsula/Trankston, 5kw commercial with dir. antenna.
- 1380 8AL Alice Springs to move here ex 1530 and up power to 2kw. Due 12/76.
- 1390 2LT Lithgow due to move here ex 1370 with power boost from 0.2 to 2kw.
- 4LM Mt Isa also moving here from 1370.
- 1390 5AA Festival City Broadcasters Ltd, GPO Box 1001, Adelaide 5001 with 5kw directional, planned on air by 1 February 1976. Initially 2kw only.

New stations and changes projected:

1570 ZWA Wilcannia and 7SH St.Helens both 0.1kw, new ABC stations were due on air in August.

Finally, projected but without frequencies allotted are 3 new ABC stations for Western Australia - located in Pemberton, Karratha and Mt Tom Price.

Info in this feature supplied by David Ricquish, Merv Branks Ian Stanley(Tune In), Bruce Williams, Australian DX News and the Australian Broadcasting Control Board.

PACIFIC ASIAN REPORT

CAN - AM REPORT

HAWAII The island of Oahu, on which Honolulu is located has 17 MW and 4 FM commercially operated stations - the following statistics come from an article in the Honolulu Star Bulletin of 22/2/75, courtesy Norman Maguire and the NRC:

- 590 KGMB 5kw NSP MoR music.
 - 650 KORL 10kw 24hrs Talk(Now Rock)
 - 690 KKUA 10kw NSP Contemporary Mx.
 - 760 KGU 10kw 24hrs Standard Pops.
 - 830 KIKI 10kw NSP Contemporary Mx.
 - 870 KAIM 5kw 123hrs per week. Religion/classical music.
 - 940 KAHU 10kw 24hrs C & W.
 - 1040 KHVH 5kw 123hrs p.w. All news.
 - 1130 KLEI 10kw 131hrs p.w. Contemporary music.
 - 1170 KOHO 5kw 138hrs per week. All Japanese programming.
 - 1210 KZOO 1kw 24hrs daily. All JJ.
 - 1270 KNNDI 5kw NSP Religion, community service.
 - 1380 KPOI Contemporary mx.5kw NSP.
 - 1420 KCCN 5kw 135hrs p.w. Hawaiian music.
 - 1500 KUMU 5kw NSP 'Good Music'.
 - 1540 KISA 5kw 82hrs p.w. Filipino.
- Biggest employer is KGMB with 46 employees, followed by the lowest-powered station KZOO with 38 staff. KLEI gets by with only 8 employees, while KAIM runs both it'a AM & FM outlets with only 9 on the payroll. Assets-wise, KGMB is worth US\$7.1 million. Only other station in the millionaire class is KCCN with \$3.3 million. At the other end of the scale, KNNDI has a 'paper value' of \$38,000!

KAHU 940 was recently sold for half a million US dollars. Also KIOE 1080 was sold for \$160,000 to DaKine Hawaiiana Radio Inc. Maguire NRC

Recent changes courtesy NRC "DX News"
630 CHED Alberta CP for 50kw U4.
680 CHFA Alberta sked s/off 0805 GMT
790 KGHL Montana 24hrs S.P. Mondays 0700-1200 GMT.

- 790 CFDR Nova Scotia CP U3 50kw/10kw.
- 1360 WGEE Wi. is ex WBAY.
- 1360 KFDR Washington, delete.
- 1430 WEIR West Virginia 24hrs.
- 1470 KILO Washington ex KYAC.
- 1520 WRAI Puerto Rico is 24hrs.
- 1540 KZAM Washington U2 5kw day/night.

ST.LUCIA Radio Carribean International 840KHz has all EE programmes. BDXC via SADXC

COLOMBIA Ecos del Combeima 1025 heard in South Africa 0235-0300 by V.Korinek confirming Robin Chambers reception noted last month. SADXC

CHILE Radio Balmaceda, Santiago noted in Portuguese for Brazil on 1180kHz at 0130 GMT. Sked 1030-0400. Perhaps ex 1300? BDXC/SADXC

DX SPECIALS

Organised by Newark News Radio Club. Details via NRC's "DX News", the top American ECB DX magazine:

MONDAY 22 DECEMBER

0900-1000 GMT WENN Birmingham,Alabama. 1320kHz 5kw D.

MONDAY 29 DECEMBER

0900-1000 GMT WMAG Forest, Mississippi. 850kHz 10kw D.

Both worth trying for!

PACIFIC ASIAN REPORT (continued)

WALLIS & FUTUNA These French islands in the Pacific are to benefit from improved radio transmissions from New Caledonia. Until now only French programming could be received via SW but new installations are planned to enable reception on MW. P.I.M 11/75.

LEAGUE LADDERS

DIVISION	Jun	Dec	Inc	Cnt	DIVISION	Jun	Dec	Inc	Cnt
<u>GOLD STAR (Over 1250)</u>					<u>GOLD STAR (Over 1250)</u>				
Arthur Cushen	2179	2193	14	141	Arthur Cushen	4179	4217	38	228
Merv Branks	2058	2075	17	-	Barry Williams	1953	1969	16	202
Keith Robinson	2038	2046	8	108	Dene Lynneberg	1909	1955	46	182
<u>GOLD ACE (1001-1250)</u>					<u>GOLD ACE (1001-1250)</u>				
Ray Crawford	986	1017	31	116	Tony Marr	1245	1247	2	195
<u>SILVER ACE (751 - 1000)</u>					<u>SILVER ACE (751-1000)</u>				
Eric McIntosh	882	897	15	82	Ray Crawford	1169	1227	58	158
Robin Chambers	791	796	5	103	John Mainland	1199	1217	18	170
Sutton Burtenshaw	790	819	29	88	Ray Babbage	1181	1193	12	119
<u>ACE (501 - 750)</u>					<u>ACE (501-750)</u>				
Stan Larking	680	684	4	84	Bryan Clark	1037	1053	16	156
Dene Lynneberg	657	669	12	81	John Durham	926	1002	79	115
Graeme Shillito	606	612	6	62	<u>SILVER ACE (751-1000)</u>				
<u>SENIOR (301 - 500)</u>					<u>SENIOR (301-500)</u>				
David Ricquish	464	473	9	46	Hans De Jong	967	996	29	88
Paul Aronsen	-	413	-	-	Brian Withers	-	882	-	-
Chris Martin	337	405	68	112	Bill Huddleston	836	848	12	115
Ray Babbage	375	381	6	29	<u>ACE (501-750)</u>				
Brian Withers	-	359	-	-	Lindsay Robinson	681	700	19	106
Bryan Clark	338	344	6	68	Jack Searle	602	650	48	92
<u>INTERMEDIATE (151 - 300)</u>					<u>INTERMEDIATE (151-300)</u>				
Lance Johnston	276	276	-	30	Eric McIntosh	596	606	10	110
Jim Benzoni	232	235	3	22	Des Davey	437	524	77	-
Lindsay Robinson	194	198	4	25	<u>SENIOR (301-500)</u>				
Sinclair Bennett	186	190	4	10	Paul Aronsen	-	491	-	-
Alan Robson	172	181	9	25	Jim Benzoni	392	420	28	85
Des Davey	159	163	4	-	Lance Johnston	389	389	-	72
Paul Ormandy	111	151	40	18	Alan Robson	335	345	10	70
<u>JUNIOR (51-150)</u>					<u>JUNIOR (51-150)</u>				
Jack Searle	140	141	1	15	Austin Hadler	233	343	110	64
Brian Oliver	52	115	63	5	Peter Greener	261	337	76	75
Gay Johnston	114	114	-	10	Steven Greenyer	286	302	16	115
Paul Rawdon	81	117	36	13	<u>INTERMEDIATE (151-300)</u>				
Michael Smith	110	112	2	-	Paul Rawdon	205	257	52	61
Bruce Cavanagh	94	104	10	19	Bruce Cavanagh	172	257	85	81
Andrew White	84	100	16	13	Bob Boundy	-	248	-	55
Jonathan Aitchison	99	100	1	12	Colin Campbell	228	240	12	58
Pamela Sutton	82	93	11	-	Jonathan Aitchison	221	229	8	62
Gavin Bennett	62	92	30	16	Cecil Symmes	154	212	58	62
Graeme Hammond	82	88	6	11	Jack Farrow	161	202	41	45
Philip Brooks	42	81	39	8	Michael Smith	194	201	7	52
Ash Nallawalla	11	51	40	8	Paul Ormandy	81	189	108	63
<u>NOVICE (1-50)</u>					<u>NOVICE (1-50)</u>				
Jack Farrow	33	47	14	4	John Martin	160	180	20	53
David Feldon	40	42	2	-	Bill Vogel	136	179	43	84
Steven Greenyer	-	38	-	21	Brian Molloy	153	169	13	45
Colin Campbell	31	32	1	-	Paul Edwards	102	152	50	69
<u>WINNERS BROADCAST.</u>					<u>SHORTWAVE</u>				
Gold Star: M Branks					D Lynneberg				
Gold Ace: nil					R. Crawford				
Silver Ace: R Crawford					J Durham				
Ace: D Lynneberg					J Searle				
Senior: C Martin					D Davey				
Intermediate: A Robson					A Hadler				
Junior: B Oliver					P Ormandy				
Novice: P Brooks					B Allred				
<u>NOVICE (1-51)</u>					<u>NOVICE (1-51)</u>				
Peter Mott	-	50	-	24	Ash Nallawawalla (18)	45	27	27	27
Ash Nallawawalla (18)	-	38	-	-	Pam Sutton	-	-	-	-

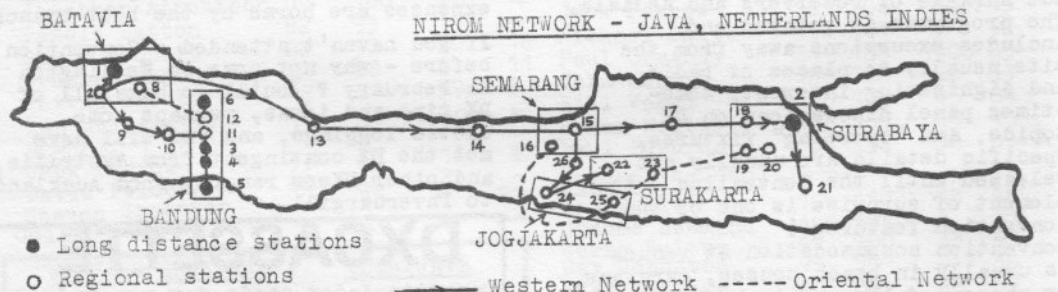
NIROM began broadcasting in the Netherland's Indies on 31 March 1934. Until then some local stations had been in operation in the bigger cities, the cost being defrayed by contributions paid by the members of local radio societies.

NIROM started originally with 4 stations; in less than 18 months however, a total of 20 stations were operating, and by the beginning of 1939 the number of transmitters amounted to 27 - namely, 5 high powered archipeligo and 7 local transmitters for Western programmes, and 1 archipeligo and 7 local transmitters for Oriental programmes. The transmitters which broadcast the programme for European listeners received programming from the key station at Batavia (now Jakarta) via 800 miles of telephone line.

The stations at Surabaya, Bandung and Semarang also had full studio equipment which was used for special items or when special events took place locally. The 8 transmitters which broadcast the Indonesian programmes were divided into two categories: Surabaya which controlled 5 stations and Batavia or Bandung which controlled the remaining 3. Both sections could be coupled together by 230 miles of telephone line. If both the Western and Oriental networks were connected together, the entire link entailed 1420 miles of telephone line.

Due to the unfavourable atmospheric conditions in the tropics, full use was made of the tropical bands and no frequency below 1500kcs was used. The local stations used frequencies between 1500 and 3000kcs and the long distance archipeligo transmitters above 3000kcs. Stations PMN and YDC were directed NW to Sumatra and Borneo. PLP and YDB were directed NE to Borneo and the Celebes. All other stations used non-directional antennae.

The areas where audibility had been proven good was declared "NIROM territory" by the government and listeners in the area had to subscribe accordingly. By 1 October 1936 the whole of the Netherlands Indies were within "NIROM territory". Listeners paid a fixed amount to NIROM each month. This subscription, payable at the local Post Office, was decreased as the number of subscribing listeners increased. From April 1934 the fee was approximately equivalent to US\$1 per month, with a reduction to 50 cents monthly in January 1939. Membership was 5000 in April 1934, 24000 in January 1935, 40000 in January 1936, 53000 in January 1938 and 70000 in January 1939. Control of NIROM was vested in 14 member committee, holding office for 2 years. 10 members were elected by registered subscribing members, 2 were appointed by the government, and the remaining two positions were held by the General Broadcasting Manager and his assistant.



KEY: 1. YDA Batavia 3040kcs 10kw. 2. YDB Surabaya 9550kcs 1kw. 3,4,5,6. all in Bandung - YDC 15150, PLP 11000, PMN 10260 and PMH 6720, all 1.5kw.

7. YDA2 Batavia 2475 150 watts. 8. YDD3 Batavia 1585 25w. 9. YDA3 Buitenzorg 1640 25w. 10. YDA4 Soekaboemi 1550 25w. 11. YDA5 Bandung 2415 150w. 12. YDD2 Bandung 1560 100w. 13. YDA6 Cheribon 2335 25w. 14. YDA7 Pekalongan 2400 15w. 15. YDB2 Semarang 2450 150w. 16. YDE3 Semarang 1520 25w. 17. YDB4 Tjepoe 1615 15w. 18. YDB7 Surabaya 1530 150w.



CONVENTION '76 WELLINGTON

SIX COMING FROM AUSTRALIA

Prospects are high that at least six DXers will fly to Wellington for next year's Convention, from Melbourne and Sydney. Registrations from two have already been received - one coming back for the second time!

The Convention programme is now being finalised, and for those in Wellington on the Thursday before or Sunday after, a session at the Radio New Zealand monitoring station at Quartz Hill is being arranged. The Titahi Bay transmitters of Radio New Zealand will be an optional excursion, and TV1 Avalon has cancelled its daily tour on the 6th so as to accommodate conventioners. Confirmations of DX Specials are coming in, and a range of "surprise" activities is slowly evolving.

Registrations to date have been steady, and early registration is urged so that Wellington Branch can organise billeting and transport. A deadline for registration of 16 January has now been imposed, so send you \$6 in now!

Bed linen and blankets are not provided at the venue, so a sleeping bag is advisable. If you haven't one, Wellington will hire one for you for \$5 - advise your need with your application. If you are flying to Wellington - book and pay now before the fares go up, taking advantage of the 10% concession voucher mailed with the November 'Times.'

Registrations, and any queries should be addressed to -

CONVENTION,
P.O. Box 2956
WELLINGTON.

Enquiries by 'Phone should be made to Nigel Robins WOA (Wainuiomata) 8787; Bruce Williams 859-121, John Mainland 768-762, Bryan Clark 726-144, Tony King 735-238.

YOU HAVEN'T BEEN TO CONVENTION BEFORE ?

DX Conventions are informal get-togethers - an opportunity to meet other DXers, do some all night listening at a new location, and try out a range of receivers and aeri-als. The programme is relaxed and includes excursions away from the site usually to places of radio and sightseeing interest, sometimes panel discussions on DX topics, and "sporting" fixtures. Specific details are usually not released until the Convention - the element of surprise is one of the convention features! Convention accommodation at venues is usually in beach houses, caravans, or where a full camp is booked, accommodation is in huts with communal facilities. The host branch offers billets to those who arrive early, and for those who may wish to "sleep it off" the night after

the Convention.

Enrolment fees are unbelievably low but are tailored to cover venue accommodation and food only - other expenses are borne by the host branch.

If you haven't attended a Convention before - why not come to Wellington in February? You'll go home full of DX tips and ideas, perhaps some exotic loggings, and you will have met the DX contingent from Australia, and other DXers ranging from Auckland to Invercargill.

DXCASSETTE

Cassette Index cards for you to keep track of your recordings and loggings. Fit in the cassette pack. Printed on tinted card. 10 for 25c, plus 3c post.

DXCASSETTE

P.O. Box 2956, Wellington



Indonesian SW survey.

11



2307kHz 1205 RRI Jakarta with News & Music.
 2450 1130 RRI Jakarta metropol EE at 1200.
 2495 1330 RRI Bandung with pops. Also hrd at 1400.
 2908 1240 RPKD Siaran.
 2920 1300 RPKD Nx from Kota Madya.
 3025 1300 RPKD as for 2920.
 3055 1300 RPKD Sampang-Madura.Mx.
 3047 1100 RPKD Pasuruan.also 1250.
 3165 1138 RPKD Kota Madya, Surabaya. Nx at 1300,1600.
 3241 1300 RRI Ambon Nx & Mx.
 3250 1230 RRI Banjarmasin. Sign-off 1518.
 3277 1650 RRI Jakarta signs off 1700.
 3295 1300 RRI Samarinda.
 3325 1006 RRI Jember here. RRI Jayapura hrd 1758.
 3382 1500 RRI Malang ex 3421. Also noted 1600.

kHz	GMT	Station	Notes
3385	1500	RRI Kupang s/off 1520.	4855 1426 RRI Palembang. Also 0900.
3392	1500	RRI Fak Fak with nx relay.	4872 1139 RRI Sorong EE. II nx 1230
3433	1300	RPDK Kendari. News 1400.	4926 1415 RRI Jambi with pop mx.
3459	1523	RPDK Bima, light mx to 1559.	4932 1153 RRI Surakarta, music.
3462	1250	RKPKD Pasuran Nx 1300.	4945 1230 RRI Bandung with mx prgm.
3762	1100	RKPKD Supang, Mx. Also 1200.	4955 1045 RRI Banda Aceh. Also 1900.
3895	1400	RPDK Sidoarjo Nx ex Surabaya	4985 0930 RRI Ujung Padang. Koran 10
3905	1430	RRI Palankarya. Jakarta Nx at 1500. C & W mx earlier.	5030 0830 RRI Biak with News.
3915	1045	Radio Ternate with talk pgm.	5047 1000 RRI Jogjakarta till 1500.
3935	1720	RRI Semarang mx. 1900 late.	5852 1515 RRI Pakanbaru Network II s/off 1559, as does Ntwk I on 5886.
3945	1330	RRI Denpasar. Ternate 1045.	
3975	1400	RRI Surabaya with news.	
3960	1400	RRI Palu. Sign off 1600.	
4066	1005	RRI Merauke with mx, nx.	
4600	1200	RPDK Tenggelek mx & news from Jakarta.	
4605	1220	RRI Serui s/off 1255.	
4698	1215	RKIP Surabaya. Talks.	
4719	1245	RRI Ujung Padang with pops. Jakarta nx 1505.	
4764	1200	RRI Medan nx, cmtry.	
4775	1300	RRI Jakarta Nx hrd.	
4790	0820	RRI Fak Fak. Also 1100.	
4805	1000	RRI Jakarta signing on.	
			6045 1000 RRI Jakarta.
			6070 0820 RRI Jayapura
			6150 1317 RRI Manokwari ex 6185kHz.
			6190 1010 RRI Ujung Padang. News ex Jakarta 13
			6230 1130 RRI Enarotal s/off 1200.
			7062 1150 RRI Jakarta.
			7110 0954 RRI Jogjakarta s/on.
			7190 0900 RRI Jakarta s/off.
			9510 0520 RRI Ujung Padang to 0820.
			11720 2356 RRI Jakarta. 0020 pop mx.
			11790 0900 RRI Jakarta. EE to 1158.
			15345 2300 RRI Jayapura, popular mx.
			17792 2300 RRI Jayapura also here.



This survey lists all Indonesian stations reported to the Times since mid-1974 and audible in New Zealand. Our thanks to Paul Ormandy.

N.I.R.O.M. Continued from page 10.

Concluding key showing regional stations operated by the Netherlands Indies Broadcasting Company Ltd in what is now the Indonesian island of Java.

19. YDF Surabaya 4960kHz 150 watts. 20. YDE4 Surabaya 2320 25w. 21. YD8C Malang 1570 25w. 22. YDB5 Surakarta 1595 25w. 23. YDE2 Surakarta 2500 25w. 24. YDB3 Jogjakarta 1660 25w. 25. YDE5 Jogjakarta 2350 25w. 26 YDAB Magelang 1680 20w. Finally in the network was YDX Medan in Sumatra using 7220 and 4945kHz with 500 watts.

(Our thanks to Barry for this interesting insight into radio history. Ed)

Shortwave Mailbag

with TONY MARR

Well, another year is almost over and not withstanding the poor state of our old friend the ionosphere, DX seems to have been pretty good. I wonder what 1976 holds in store for us ?? Anyway, let's have a look in the mailbag....

AUSTIN HADLER Christchurch has 2 months' notes here: RNZ 6105 RM 17900 5980 7250 BBC 9410 Ascens 15360 RN Bon 9770 RBI 11840 17770 VLX15 15425 Iraq 9745 Paris 11940 RFE 17805 Norway 11895 Vatican 11705 Singapore 5010 Praha 15415 9600 ORF 17840 9715 11855 Malta 11865 VOA Tan 11760 Luxem 6090 RA 15290 15355 NHK 15270 Papua 3925 HCJB 11915 15300 17730 SBC 5960 Israel 11960 15485 P & P 17720 FEBC 17810 Lisbon 15340 17880 Sweden 9695 Pak 17830 YVKM 5030. Sorry but your notes were too late last month.

PAUL EDWARDS Wellington hasn't any out but QSLs from DW 6145 Malaysia 7295 Turkey 15165 Syria 15290 HILR 4850 Mauritania 4850.

CECIL SYMMES another Wellington one has them from Iran 9022 BBC 5975 5990 Budapest 17780 VOA Delano 9560 DW 9545 NHK 9505 Tebrau 9740 Bucharest 6155 Peking 7620. Iran very nice.

PHILIP HOPE Oamaru has 2 good logs and replies from KGEI 5980 BBC 9915 NHK 15195. Hope exams weren't too bad....

BOB BOUNDY Christchurch has them from Kuwait 15345 Nac Brasilia 15245 Bucharest 11830 RN 11730 SBC 9590 Cairo 9475 Praha 6055

BILL VOGEL Adelaide has 5 out and QSLs NHK 11815 plus pennant KGEI 5980 Greece 6175 DW Malta 6000 after 13 months Bogota 4955 Luxem 6090 RN Bon 11730 DUR2 9580 plus pennant too.

LES HING Victoria has replies from Peking 9460 15060 TWR 11815 AFRTS 11805 DW 11850 RM 11770. Thanks.

JOHN MAINLAND Wellington has 2 from Israel 17688 Tunis 9650.

PAUL ORMANDY Oamaru has replies from AFAN 6012 7050 RSA 15220 NHK 15310 RN Talata 7285.

IVOR HILL Bluff has a lengthy list RN 9715 9770 II730 DW 9735 9605 RA 9730 9625 11870 Peking 11720 11600 9030 HCJB 6130 Vatican 9605 Praha 11990 NHK 8 freqs RNE 6065 VOA 9750 11770 Warsaw 9675 plus pennant Moscow 11770 Sweden 6065 11705 BEC 9600 ORF 9770. Nicely set out, Ivor. Thanks.

WYN MACHON Invercargill P2K4 4980 TIHB 4832 TWR II830 ORF 9770 NHK 15430 P2K3 3925 HCJB 9745 NSB 3925 Rabaul 3385 RBI 7260 Andina 4995 plus a pennant. Good stuff.

JACK SEARLE Haumoana has them from Malaysia 15295 HCJB 17730 ORF 9770 Kavala 7170 Syria 15290 Rhodes 7205 Pak 7085 AIR 7150 DW in 14 months for 11925 Malta 9755 RNZ 6105.

JOHN MARTIN Wellington has 4 logged and QSLs from VOA Tinang 15345 RM 15260 17900 9740 NSB 9595 Pyongyang 9420 11535 BBC 7325 AIR 11725 Tebrau 9740.

HARRY WEATHERLEY Australia has a loner out and 2 back Warsaw 7270 Swan 6185. Yes, maybe a first for Australia.

PETER MOTT Christchurch has them from BBC 9640 BED93 15370 Bucharest 5990 9570 11940 15380 YJB4 3945 Praha 7345 11990 RA 11765.

LINDSAY ROBINSON Invercargill has 3 out and them back from ZYE236 4985 Swan 6185. Ta.

RAY CRAWFORD Invercargill also has QSLs Praha 9740 AFAN 7050 Bucharest 9570 HJNX 5955 Niger 5020. Nice that African.

STEVEN GREENYER Invercargill once more has Re10j 6006 Niger 5020 Sorong 4872.

JACK FARROW Lower Hutt has heard from BBC 9750 Bucharest 5990 9690 VOA 9660 17775 RM 15130 15260 17870.

DENE LYNNEBERG Wellington has 11 out and QSLs from DJI Bouti 4780 TGVN 3360 SABC 3250 3980 Mauritania 4845 Israel 12080 BBC/Sack 6175 BEC 11680 Malta 9755 RSA 17780 RBI Nauen 6040 France Inter 21620. A goodly way to reach 182 countries.

STAN LARKING Whakatane has 14 out and answers from Belize 3000 ORF 5980 SBC 9725 Malaysia 4845 NHK 15105 Mauritania 4850 Brasilia 15245. Belize a good one.

PAUL RAWDON Lower Hutt has them back from Athens 7215 Sutatenza 5975 FEBC 15300 Nac Colombia 15335 JOZ 6055 RM 11710 Bucharest 5990 RA 15240 15395 Tebrau 7180.

JIM BENZONI Hamilton has 2 out and replies from Bucharest 9570 TWR Bon 15350 9570 RM 11890 BBC 9640.

IAN WELLS Milton has them from Super 5955 BBC Cyprus 7140 VOA Kavala 7170 and also has a loner out. Thanks.

BRUCE CAVANAGH Invercargill has been busy with 14 out and QSLs Goroka 2410 RN Talata 7285 Kuwait 15345 NSB 6055 ORF 17840 AFAN 7050 AIR 11810 ORU 11855 DUR2 9580 Bangladesh 4790 Praha 9540 Peking 7315.

BRENT ALLRED Motueka has taken time off from School Cert to verify TWR Bon 11830 plus pennant RM 9660 9720 15260 Peking 9460 Cuba 11960 with a car sticker RNZ 6105 NHK 15195 also with a pennant Vatican 11790 HCJB P&P 16mb and a BBC. A good lot.

ASH NALLAWALLA Dunedin has 10 out and verifies from AIR 15280 ORF 5980 Kuwait 15345 RA 11930.

OWEN BARRIBALL NSW has 4 out and 9 back VQ05 5020 VLH9 9680 VOA 6010 6095 9640 11710 15205 21650 VLW15 15425.

ARTHUR CUSHEN Invercargill has QSLed Paris 3965 Athens 9710 Nac Colombia 15335 AFAN 7050 WYFR 11780 Sweden 9605. Thanks Arthur.

BRYAN CLARK Wellington has sent 8 away and has had some success with RA Ngangara 17865 Bougainville 3322 Niger 5020 Talata 11740. Not too bad.

GRAEME BALFORD Tauranga has 1 out and VQ05 5020 and RN Bon 9715 back.

13

DAVID FELDON Rotorua has a lone return in NHK 15105. Better than none though. More next time perhaps.

DES DAVEY Te Kuiti rounds the year off with 1 out and one back from DW 9690.

YOUR EDITOR would like to close by wishing you one and all the very best for Christmas and 1976. CU in January. 73. Tony Marr.

Over 9 Mhz.

NO ENTRY....

Under 9 Mhz.

Paris 3965 KHz 4kw
Arthur Cushen.

BEST OF THE MONTH

Just making it are:

JOHN DURHAM, Meremere with 18 reports out and a big bag of QSLs in - ORF 9770, TWR Swazi 9590, Moscow 15130, 7100, 7300, VOA Dixon 15290, 15205, VOA Tangier 15205, VOA Tinang 6110, EC Malta 9755, Sabah 15275, WYFR 5985, 11905, Sweden 15275, RSA 7270, IBRA Malta 9755, RNZ 6105, Sofia 15310, RBI 11890, Singapore 6000, DW Sines 6010, RFE Port 17805, 21665, Norway 9590, RN Lopik 17700, Algeria 11910, BBC Cyprus 7260, SBC 17840. Congrats on the thousand!

JONATHAN AITCHISON, Dunedin advises verifies in from RNZ 6105, NHK 15310, P & P 21635, Moscow 15260 + pennant, Malaysia 15275.

STATION OF THE MONTH

In recent weeks a new voice has been heard from the Middle East. This is from Muscat in the Sultanate of Oman where a 50kw transmitter located at As Sib and beamed to the south of Oman is operating on 11890kHz. The station has been heard at 0300 GMT with Arabic news and again at 1900 with similar programming. At this time the signal can be detected between 11885 and 11895kHz, while at 0300, 11885 and 11895kHz. The address for reports is Technical Director, Ministry of Information & Culture, P.O.Box 600, Muscat, Sultanate of Oman. H.AL-Kindy is Technical Director and a letter of verification in English has already been received by an American DXer. An English announcement with the above address was heard at 0335 GMT on 6 December.

tween Radio Free Europe transmitters on interference comes from VOA Monrovia on 11895kHz. The address for reports is Technical Director, Ministry of Information & Culture, P.O.Box 600, Muscat, Sultanate of Oman. H.AL-Kindy is Technical Director and a letter of verification in English has already been received by an American DXer. An English announcement with the above address was heard at 0335 GMT on 6 December.

**SW
QSL**

This month's QSL's feature a wide variety but perhaps the cream of them all being Turkish Police Radio with 350 watts as received by Barry Williams.

AFARS and ISSAS T.F.A.I. Djibouti. Plain black and white card with verification text giving date only and full trans. schedule all in French. Air reply in 1 month for EE report and 2 IRC's. (Lynneberg) (4780 kHz)

CANARY ISLANDS Radio Nac. de Espana. 15365 kHz. QSL Card showing 'Centro Emisor de Ondas Cortas de Noblejas (Toledo) received in two months for an airmail report in SS without IRC's. Card shows date and frequency only. (Vogel)

CHILE Radio Universidad de Concepcion 6135 kHz. QSL Card plus letter, stamps, small pennant and postcard. Received by air in four weeks for two page SS report with NZ stamps. Verie signer was Carlos Godoy Rocca (Director), Casilla 2337, Concepcion Chile (N. Robbins)

COLOMBIA Radio Sutatenza, Bogota. QSL Folder depicting the transmitter room on the outside and the history of the station with details of equipment on the inside. Received in 8½ months for report in SS with 3 IRC's (Vogel)

CONGO R.T.V. Congo. Typed verification letter in French showing schedule and giving address as La Voix de la Revolution Congolaise, B.P. 2241, Brazzaville. (Greenyer)

FINLAND Radio Finland. Colourful QSL card received in 14 days for a report in EE. Full details given on card. (Vogel)

FRANCE Radio France Internationale, 11735 kHz. Light blue card with TFD showing T in red, F in green and D in dark blue giving full details. Received in two months for report in French. (Vogel) Old style ORTF card in card and black in 1 month with full details for 21620 kHz but ORTF crossed out and replaced with Radio France. (Lynneberg)

GHANA Radio Ghana, Tema 9545 kHz. QSL Card and program schedule received in 5 months for EE report with one IRC. (Edwards)



GUATEMALA La Voz de Nahuala 3360 kHz verified a Spanish report in 1 month with a typed card showing all station details (Greenyer)

HONDURAS Radio Swan 6185 kHz. Verified a Spanish report in EE and sent a press card making reporter a 'Reportero Honorario'. Verie signer is Ralph H. Nodarse (Greenyer) Radio Progreso 4920 kHz. Verified a SS report in 2½ weeks with a letter and a small pennant. Verie signer is Gerente, Jerry E. Tolle. (Greenyer)

INDONESIA Radio Pemerintah Daerah Kabupaten Sidoarjo. Verified with a letter in Indonesian after 15 months. According to letter the power is 900 Watts. Frequency was 3893 kHz. Verie signer is Mr. Ashari and address is: Radio Permerintah Daerah Kabupaten Sidoarjo, Jalan, Gubernur, Suryo No. 1, Sidoarjo. (Cushen)



MALDIVES R. Maldives 4740 kHz. Paper card in 20 days by reg. air for EE rpt and IRC. (Edwards)

NIGER Niamey 5020 kHz. Card in 6 weeks for FF rpt with 1 IRC. Card is black and white with map of Africa in a green square and Niger in white. (Vogel, Clark)

PERU R. Andina 4995 kHz 1kw. Personal letter and pennant in 3 months for SS rpt, letter, postcard and 1 IRC. 2nd attempt. Verie signer. Teodosia Munoz Inga. (Searle)

TURKEY Turkish Police Radio. 6340 kHz 350watts. Verified in 8 months with plain QSL certificate, postcard and stamps. Full details given. Address used as in WRTH. (Williams)

That's it for this month. Thanks to B.Clark, A.Cushen, P.Edwards, S. Greenyer, D.Lynneberg, N.Robbins, B.Vogel and B.Williams. All notes to Box 2956, Wellington. 73's Section Ed. Dene Lynneberg.



QSL
VERIFICATION CARD
EMNİYET GENEL MÜDÜRLÜĞÜ



TÜRKİYE
POLİS RADYOSU

SHORTWAVE BANDWATCH

Coordinated by JOHN MAINLAND



This month's level of contributions is well down, due no doubt to the various exams in progress. Catches of interest this time include Doha, Qatar on 9569kHz; the hi-powered transmitter in Uganda is reported by Arthur Cushen; a frequency change by the Voice of Nigeria is reported by Jack Searle; Helsinki has been heard in English on 6120kHz, Radio Tunis in Arabic has moved to 7275; Madrid has introduced a new Spanish broadcast on 11730; Spanish Sahara has shifted frequency to 11950; Sanaa, Yemen is now using 7265 and Radio Budapest with obvious low power is noted on 13 metres for the first time.

+ = Overseas contribution
Underlined initials = rptd.

Merry Christmas and a Happy New Year to you all!

ALL TIMES ARE GMT, (NZ Summer Time - 13hrs). FREQUENCIES IN KILOHERTZ.

FREQ	TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	INITIALS
2428	1115	PAPUA NEW GUINEA	Radio New Ireland	poor in Fidgin. Blocked by Fukien from 1129.	BCa BCa
2450	1133	PAPUA NEW GUINEA		poor in vernaculars. CW QRM. S/off 1203.	BCa
3305+	1525	INDONESIA	RKPD Tingkat Satu Jawa Timur, Surabaya.	Indonesian ident. at s/off.	Yeo ADXN
3400	1725	PAKISTAN	Rawalpindi	EE speech by Mr Bhutto. 1740 id then Urdu.	DL
3883+	0710	CAPE VERDE IS.	Radio Clube Cabo Verde	in PP, mx, poor. Hohnstein/	
3905+	1140	PAPUA NEW GUINEA	Radio Manus	heard several times during month but best 14/11 with mx, fair till s/off 1200.	NASWA BV
				(Address in Arthur Cushen's SW Review last month was a typing error - is Box 1359, Boroka. Sorry! Ed)	
3925	1705	INDIA	AIR Delhi	with mx requests, vg in EE. //4860 also vg.	BC
3970+	1957	GREAT BRITAIN	BBC	s/on at 2000. News in EE, poor.	BV
4788+	1130	TURKS ISLAND (west Indies)	VS18	now with morning religious programme.	Field, Jones NASWA
4790	1707	BANGLADESH	Dacca	with EE domestic news, fair with teletype. Indigenous music from 1710.	BC
4850	0659	MAURITANIA	Nouakchott	int.sig & s/on in AA. Strong by 0720.	FE
4915	0610	GHANA	Accra Home Service	very strong in EE, later in vernac. Still heard past 0700 21/11.	
4980+	1045	VENEZUELA	Ecos del Torbes	music & ancts, fair in SS.	BV
5095	1030	COLOMBIA	Radio Sutatenza,	mx prgm with plenty of ids. Poor.	CS
5900	0502	ISRAEL	Kol Israel	good in EE with Nx. FF from 0515.	DL
5945	0610	USSR	Moscow	with musical prgm in unid lang, poor.	CS
5960	0630	GREECE	Athens	in greek, 0645 GG, 0701 FF, 0715 English News. S/off 0730, fair 16/11. 0715 EE news to Europe.	JM AC
5965	0730	MOROCCO	VOA Tangiers,	s/on in AA, good.	BCa
5987	0935	INDONESIA	Menado RRI,	mx & cmt in Indonesian, fair.	CS
5995	1740	PHILIPPINES	AFRTS (35kw to S.E. Asia per Freq. Sked. Ed)	with EE Nx. ABC Nx 1800, strong. Radio Canada s/on weak in Polish 1800.	JB
6045+	1905	AUSTRALIA	RA Lyndhurst (10kw)	LE Nx, fair. New frequency.	BV
6070	0900	INDONESIA	RRI Jayapura	fair with talk and music.	LR
6120	0733	FINLAND	Helsinki	with EE to Western Europe mixed with Radio El Mundo, Argentina. Fair 18/11.	JM
6165	0700	SWITZERLAND	SBC Berne	s/on good with EE news.	BCa
6170	0900	COLOMBIA	La Voz de la Selva (? Ed)	fair with SS Mx.	LR
6180	0720	USA	VOA Greenville	EE Nx fair-good. 0730 Various African lang (VOA Freq. Sked says Monrovia 250kw to Africa at this time. Ed)	BCa
6185	0530	GERMANY	DW Cologne	good with 'Magazine of the Air' to North America. LR. 0540 fair with commentary.	DF
7140	0800	GREECE	Voice of Greece	in Greek to the Azores, fair 16/11.	JM
7205	0440	USSR	Radio Moscow	with Mx, mx, cmt in EE, fair.	CS
7215	2115	GREECE	Athens	with EE news to Australia.	AC

FREQ	TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	INITIALS
7220	0505	MOROCCO	VOA Tangier,	Breakfast Show, poor.	
7225+	1045	PHILIPPINES	FEBC	fair with religious prgm in PP.	CS
7245	0730	ALGERIA	RTVA Algiers	excellent in French.	BV
7250	0530	SAUDI ARABIA	Riyadh	poor with ident in AA.	FE
7265	0430	YEMEN	Sanaa with AA Nx,	mx, talks. Fair to 0530. Ex 7300 1/12. JM	JM
7265+	0740	WEST GERMANY	SWR Rhordorf	poor in GG with mx prgm.	
7270	0600	GREECE	VOA Kavala	in EE to Africa. Also on 7295.	BV
7275	0600	NIGERIA	Voice of Nigeria	with EE news, fair.	AC
7275	0443	TUNISIA	Tunis s/on in AA.	Hrd till t/out 0830. Ex 9650 11/11. JM	BCa
7412	0500	ISRAEL	Jerusalem with EE Nx	to 0515 fair //7395, 5900, 5950. JM	JM
7620	1720	CHINA	Peking with Nx,	cmt to South Africa. Closed 1755, fair. CS	CS
9400	0500	ISRAEL	IBA Hebrew H.S.	hrd till t/out 0735. Fair, jamming // 12080 13/11. JM	JM
9460	0930	CHINA	Radio Peking	strong EE to s/off 1030, //15435, 11740, 11600	
9505	0759	JAPAN	NHK Tokyo	Nx, cmt in EE, poor. CS. 0900 Nx, cmt, fair. DF /JB	DF /JB
9510	1940	INDIA	AIR Madras	fair in EE. Madras Ident 1941. RC	RC
9510	0300	ASCENCION ISLAND	BBC Atlantic	Relay in EE. BBC also on 7185, 7210, 7120, 9725, 5975, 9580, 9690. At 0510 on 15240, 15400, 6140, 3952.5, 21600. (Sure re latter Paul?Ed) PO	PO
9540	1800	AUSTRALIA	RA Shepparton	100kw good with Nx to Pacific Is. DF	DF
9565	0400	CUBA	Radio Havana	in SS to Americas. Fair, new freq 23/11. JM	JM
9569m	0350	QATAR	Doha in AA	clear after Bucharest s/off 0358 until Polish Home Service obliterates 0426. Full ident 0415. BC	BC
9570	0850	AUSTRALIA	RA Shepparton	fair with Nx. DF 0815 good to UK. CS	CS
9580	0920	PHILIPPINES	Radio Filipinas	'Roundabout' in EE, poor. Fair in EE at 1100. HW+	HW+
9600	0925	SOUTH KOREA	Seoul s/off	with station ident in EE, fair. CS	CS
9605	0630	SWEDEN	Stockholm	in Swedish to Pacific. Off at 0800. AC	AC
9625	0500	ECUADOR	HCJB Quito	in RR to Europe. Closes 0530. AC	AC
9630+	2000	HOLLAND	RN Lopik	SS Nx, poor. (Not listed in current sked, Ed) BV	BV
9640	0300	WEST GERMANY	DW Cologne	good in Spanish. BCa	BCa
9640	2102	CANADA	Sackville	in EE to Europe //11895. Fair to s/off 2157. JM	JM
9640	0730	GREAT BRITAIN	BBC 'Date with a Disc',	fair. (David, items in DF	DF
9640	0903	SOUTH KOREA	Seoul EE Nx,	fair. (frequency order please. Ed) DF	DF
9645	0445	BELGIUM	Brussels in Dutch	to Africa ex 9640. Fair, nx 0500. JM	JM
9675	0630	POLAND	Warsaw s/on	in EE, good reception. BCa	BCa
9715	2000	AUSTRIA	Vienna in European	Service. AC	AC
9715	2000	FRANCE	Paris in FF	to Africa, over Vienna. Also logged 9605 with s/on in FF at 0600. AC	AC
9730	2000	BULGARIA	Sofia with AA,	fair. New frequency //11900. JM	JM
9730	2030	UGANDA	Kampala External	Service with EE annct under Radio Australia and RBL. AC	AC
9745	1945	IRAQ	Baghdad	fair in EE till s/off 2015. RC	RC
9745	0630	SAUDI ARABIA	Riyadh	fair in AA. Recent new frequency. JM	JM
9755	2029	EAST GERMANY	RBI Berlin s/on	fair in European language. BCa	BCa
9765	2100	WEST GERMANY	Deutsche Welle	s/on in EE, very good. BCa	BCa
11725	2130	AUSTRALIA	RA Shepparton	'Brighter Day' strong to s/off 2200. JB	JB
11730	0855	SPAIN	RNE new service	in SS for Australia/Philippines, fair. JM	JM
11740+	2040	ECUADOR	HCJB Quito	good in EE for Europe. Mx prgm. BV	BV
11760	1820	USA	VOA Greenville	with news summary. Poor. Bad QRM. CS	CS
11760+	0559	CYPRUS	BBC Limassol	s/on. EE News 0600, poor. BV	BV
11820	0800	USSR	Radio Moscow	s/on fair in EE. Also 11690 exc. 9780 vg. BCa	BCa
11835	1030	SRI LANKA	Colombo s/on	with EE annct. AC. 1038 poor in EE. BV+	BV+
11840	0700	SWITZERLAND	SBC Berne	vg in EE. BCa //9590 poor, QRM. JS	JS
11850	0800	NORWAY	Radio Norway,	Oslo s/on with EE id, poor. 11895 vg. BCa	BCa
11850	0649	SOUTH KOREA	KBS Seoul	poor in EE due co-channel QRM. JS	JS
11855	0730	CZECHOSLOVAKIA	Radio Prague	s/on in EE, good. BCa	BCa
11880	0340	SPAIN	RNE Madrid	s/off in EE to North America. AC	AC
11880+	0559	TURKEY	Ankara id	0600 & freq anncts in Turkish, fair. BV	BV
11885	0340	PAKISTAN	Radio Pakistan	with EE news for Africa, fair. JM	JM
11895+	2200	CANADA	Radio Canada	International s/off in EE to Europe. HW	HW

<u>FREQ</u>	<u>TIME</u>	<u>COUNTRY</u>	<u>STATION</u>	<u>PROGRAMME & RECEPTION DETAILS</u>	<u>INITIALS</u>
11890	1845	OMAN	Muscat	in AA with mx, anncts, news 1900.F/out 1905. 1743 peaking to fair in AA. Splash RFE 11885, 11895 both with jamming. Followed till f/out 1843.BC 1754 fairly good with many mentions of 'Oman'. Ethnic mx, AA anncts.	JM DL
11900	1900	BULGARIA	Radio Sofia	good in AA.RC 2000 AA programme.	AC
11905+	2100	USA	WYFR Family Radio	poor in EE with mx, nx, rlg prgm.	BV
11905	0620	WEST GERMANY	Deutsche Welle	African Service with religious news. DF. (An old Kigali frequency - still there? Ed)	
11915	0610	ECUADOR	HCJB Quito	with EE Mailbag,Wednesday. Very good.	BCa
11950	0801	SPANISH SAHARA	El Aaiun	with SS anncts,music. Fair 14/11. New frequency ex 11805.(Back on 11805 on 6 December.JM)	JM
11970	0740	TUNISIA	Tunis	excellent signal in AA.	PE
11970	0200	CUBA	Radio Havana	in EE to the United States, poor.	JM
15070	0740	GREAT BRITAIN	BBC	exc with mid-week sport. 0830 Fair.	CS
15084	0830	IRAN	Radio Iran	with Koran readings and talks in AA? Good.	BCa
15105	2200	JAPAN	Radio Japan, Tokyo	news, fair.17880 at 0400 News,fair.	DF
15120	0600	NIGERIA	Voice of Nigeria National Service	EE Nx, fair.	JS
15130	0345	NEW ZEALAND	Radio NZ	in EE to Pacific, fair ex 15110.	JM
15170+	0600	TAHITI	Papeete	with live rock show with EE & FF anncts,good.	BV
15185+	0800	HOLLAND	RN Lopik	s/on in Dutch to Europe/NW Africa, poor.	BV
15190+	0515	CONGO	Brazzaville	fair in FF with Nx, music, anncts.	BV
15195+	1136	AFGHANISTAN	Kabul	with EE news, fair.	BV
15250	0430	ETHIOPIA	ETLF Radio Voice of the Gospel	s/on AA,poor 16/11.	BCa
15310	2350	PHILIPPINES	Radio Veritas	requesting reports 22/11 for 'first broadcast to Thailand' and mention of regular broadcasts to Asian countries. Same annct heard 14/11! on 15510, poor due overmodulated. Address given as Radio Veritas Overseas Svce, P.O.Box 373 AC, Quezon City, Philippines.	JS
15335+	0235	COLOMBIA	Radio Nacional	fair in SS with id, classical mx,nx.	BV
15370	0200	TAIWAN	Voice of Free China, Taipei	s/on EE fair. BCa. 0308 fair in EE over jamming with nx, then popular CC songs.	DL BCa
15415	1430	HOLLAND	RN Lopik	with EE talks and music, good.	BCa
17720	0340	TAIWAN	VOFC Taipei	very good in EE.	PO
17740	0645	EAST GERMANY	RBI Berlin	in EE to S.E.Asia, poor //17700.	JM
17780	0612	SOUTH AFRICA	Radio RSA	very good in EE. Fair in FF 0512.	PO
17790	0904	GREAT BRITAIN	BBC London,	World News in EE, fair.	CS
17790	0645	ROUMANIA	Bucharest	in EE to the 'Pacific Area'. New freq, poor 7/11 //11940, 15250.	
17800	0958	WEST GERMANY	DW Cologne	'Panorama' EE,good.17825 poor 0929.	CS
17810+	0800	MALAGASY REP.	RN Talata	relay with Dutch Nx,fair ex 17780.	BV
17825	0213	JAPAN	NHK Tokyo	good with music & cmt in EE.	CS
17830	0230	PAKISTAN	Islamabad	exc in EE with Nx. //21590 also excellent.	PE
17850	0830	AUSTRIA	Vienna	with talks and Opera prgm, poor.	CS
17880	0015	MALAYSIA	BBC Far Eastern Station	in EE.S/off 0045.Fair,noisy.	JS
21460	0900	GREECE	Voice of Greece,	Athens good at s/on. Greek to 0915, then EE news for Australia.BC.0915 AC. EE to 0928.New freq.	JM
21485	2000	UNITED STATES	VOA Bethany	in EE to Africa.	AC
21500	1050	WEST GERMANY	DW Cologne	exc with EE news //21600 good.	BC
21500	1743	UNITED STATES	VOA Greenville	in Czech,vg to s/off 1800.n.f.	BC
21525	1009	HUNGARY	Budapest	in Hungarian for Aust/NZ.Poor with splash from Berne 21520 at 1050 GMT. //17865. 19/11.	JM
21540	0955	RWANDA	DW Kigali	relay fair in EE to Asia.	BC
21580	0935	FRANCE	Issoudin	fair in FF. 0835 21620 also fair.	CS
21610	2205	UNITED STATES	VOA Dixon	with EE Nx & Breakfast Show, strong.	JB
21660+	1010	CYPRUS	BBC East Mediteranean	Relay fair with World Service.	HW
21685	0445	BANGLADESH	Dacca	again hrd fair-good s/on in EE with full details and news. //15400 hrd at poor level.	BC
21685+	1015	KUWAIT	Radio Kuwait	very good in Arabic.	HW
21690+	1005	SWEDEN	Radio Sweden, Karlsborg	good signal in Swedish.	HW
21700	0815	CZECHOSLOVAKIA	Prague	in Czech to 0830, then EE, fair.	CS
21720	0629	USSR	Radio Moscow HS	new freq,poor //21590 good,21635 vg.	BC

REG TIME COUNTRY STATION | 8 PROGRAMME & RECEPTION DETAILS INTL

21730 0930 FRANCE Paris in FR, Sat. New Prog 19/11 //21620, 21675. JM
 21735 1100 PORTUGAL Lisbon s/on Sat for FF broadcast //21700. JM
 ..and a late item:
 9765 0515 YEMEN ARAB REPUBLIC Samaa in AA with ta, mx, talks. Ex 7265? JM

CONTRIBUTORS: Thanks this month to:
 PE Paul Edwards JS Jack Searle LR Lindsay Robinson DF David Reidon
 PO Paul Ormandy JM Jim Benzoni DL Dene Lynneberg AC Arthur Cusher
 BO Bryan Clark OS Cecil Symmes BOA Bruce Cavanagh RC Ray Crawford
 JM John Mainland and from Ausste: MW Harry Weatherley, BV Bill Vogel.
 Let's hear about your Christmas DX!

RAY BARBAGE, a League member for over 15 years, joins the Times staff from this issue, in charge of the bi-monthly Ladder competition. Our thanks to Ray for taking on this exacting task.

"INTERNATIONAL LISTENER" is a new monthly shortwave listener magazine due to begin publication in January. The magazine will emphasize the programme aspect of the SWL hobby, rather than the 'DX-them-and-forget-them' style of listening. "International Listener" is subtitled 'Programme Guide for English Language Shortwave Broadcasts' and the bulk of each issue will list programmes such like America's "TV Guide" lists television programmes. Behind-the-scene articles and photographs will complete the 40 page offset publication. League members are being offered a FREE sample copy, by mailing their name and address on a postcard to "International Listener", P.O. Box 3782, Austin, Texas 78764, USA. The yearly subscription rate is US\$8 for 12 issues, with samples normally sold for 75c.

MW POPULARITY POLL "Where is the spirit of cooperation" asks Ash Nallawalla of the poor response to his poll to determine the most popular out-of-town station to which members regularly listen to on medium wave. Why don't you drop Ash a postcard with your vote. Address is c/- P.O. Box 144, Dunedin. TUNER/BOOSTER. Oops we boobed on page 8 last issue. The coil should have had a tap every 5 windings and the aerial shouldn't have been earthed! Which ensures that diagrams are absolutely clear, that any projects of a technical nature have been proven, and that instructions are quite clear.

NEWS BRIEFS

SHORTWAVE AND BROADCAST BAND NEWS, BY PERMISS-
 SION OF THE BBC MONITORING SERVICE (copyright)

RADIO ESPANA INDEPENDIENTE This pro-communist, anti-Franco clandestine station which broadcasts in Spanish, Basque and Catalan announced on 24/10 that it would broadcast continuously between 0600 and 2400 henceforth, in order to fill an information gap caused by the Spanish Government's manipulation of the mass communication media's frequency in use are 15505, 14785, 12140, 10010 and 7690kHz, of which 4 are usually in service simultaneously. On 28/10 these frequencies carried the external service of Radio Bucharest for 35 minutes. (A pretty good clue as to the origin of REI don't you think? Ed)

VOICE OF ZAIRE has suspended broadcasting on 11795, 9770, 7115 and 4880kHz from Kinshasa following the dismantling of the transmitting centre to make way for the construction of the People's Palace on the site. Normal broadcast will be resumed as soon as the transmitters are installed at the Ngafit site. Only SW channel in use by the Voice of Zaire, Kinshasa is 1524kHz. The regional outlet of 10kW at Bandundu has been commissioned on 2115kHz. The Voice of Zaire village at Kisanangani is nearing completion. This complex will have 5 transmitters, including one of 100kW.

SWITZERLAND's new transmitting station at Sants is the highest location in Europe, 2502 metres. The site includes a 30kW MW, 10kW VHF and 50kW UHF tx.

ARTHUR CUSHEN'S SHORTWAVE REVIEW

The American Forces Antarctic Network is now using two frequencies for its year round operation, according to recent verifications. Athens has been heard in several English sessions with an expanded foreign service, while Radio Pakistan advises the cancellation of its evening service to Europe.

All Frequencies Khz

All Times GMT (Add 13 hours for N.Z. Daylight Time.

ANTARCTICA American Forces Antarctic Network has concluded its tests for a new frequency and is now operating 24 hours a day with 1 kw as follows:

6012 November 1 to February 28; 7215 March 1 to October 31.

The world's southernmost radio station confirms reception with a letter. The address is Public Affairs Office, U.S. Naval Support Force, Antarctica, CB Center, Port Hueneme, CA 93043, U.S.A.

CANADA Radio Canada International is using 11895 6145 and 9640 from 2100 to 2157.

CHILE Radio Minería 9750 is heard with La Voz de Chile news at 1000. Radio Yungay 9650 carries the same news at 1100.

ECUADOR HQJB is heard in Russian to Europe 0430-0530 but with sideband from Madrid on 9630 at 0500.

FINLAND Helsinki has been heard on 6120 with English 0730-0800 weekdays.

FRANCE Radio France has introduced several new frequencies in their latest schedule. At 0600 we note they are using 5990 6045 7135 9525 9605 9675 9700 11710 11730 11735 11960 17800 17890.

GREECE Arabic, Portuguese and Spanish have been added to the languages used by Athens. 100kw transmitters at Alvis are used for the external services, and a 35kw transmitter at Thessaloniki relays the home programme to Europe. The Home programme is aired 0600-0830 on 9710, 1100-1430 on 9710, and 1930-2030 on 7280. The Voice of Greece broadcasts in English 0015-0030 on 9520; 0215-0230 on 9520; 0715-0730 on 5960; 0915-0930 21460; 1015-1030 on 11720; 1215-1230 on 9520; 1515-1530 on 9520; 1815-1830 on 11720; 1920-1930 on 5960; 2115-2130 on 7215 (to Australia.)

GUAM Broadcasts from the Trans World Radio installation here, on shortwave are expected to commence on 1 July 1976 with 100kw.

MALAYSIA The Voice of Malaysia has moved to 15290 from 15275 and is heard closing in English at 0855.

PAKISTAN For many years Radio Pakistan has been broadcasting to Europe in English from 1945 to 2045. Since November this broadcast has been replaced with a transmission for morning reception in the United Kingdom from 0830 to 1100 on 15110 and 17665. Slow speed news bulletins are broadcast to East Africa from 0430-0445 on 11885, 15325 and 17830; to West Europe 1100-1115 on 15110 and 17665; and to the Middle East 1530-1545 on 9690 and 11885.

SPAIN Madrid now has English on 11880 and 6065 to North America from 0100 to 0145, 0200-0245 and 0300-0345.

SWEDEN Stockholm relays its home programme in Swedish 0630-0800 on 9605 and it is being well received, apart from interference from Cologne on the frequency at 0555 and Paris 0600-0700.

UGANDA Kampala is being heard on 9730 from 1930-2100 with English at 2030. Severe interference from RBI Berlin and Radio Australia.

..sign off..

AUSTRIAN RADIO advise that in future QSL cards will only be issued when specifically requested. The move is for economic reasons and ORF state: "if you want verification tell us each time for which reception report it should apply. At the same time we look forward to hearing more critical comment about our programme content than hitherto." A.Nallawalla

CURRENT ADDRESS for Radio Bangladesh is Research Wing, Radio Bangladesh, Directorate General, 23/7 Shamoli, B Block, Dacca 7, Bangladesh. B.Cavanagh

DAHOMY became the People's Republic of Benin on 30 November. BC

AUDIO VIDEO SA, the largest Honduran communications conglomerate is expanding it's MW outlets into SW. By early 1976 new SW transmitters are planned for Tegucigalpa (Radio America), San Pedro Sula (Radio San Pedro) and La Ceiba (Radio Ceiba, tentative frequency 6145kHz). When previously on SW Radio America used 6050kHz.

Scott Reeves/DSWCI/NASWA

NEW COLOMBIAN is Radio Super de Cali heard past 0630 GMT on 6121kHz.

John Tuchsherer/NASWA Hotline

FINLAND. Due to installation work for a new transmitter at Pori, transmissions on 9mHz with the 15kw unit will be suspended. The project includes a rotatable log periodic aerial & 250kw SW transmitter. When completed Pori will comprise of a 250kw tx with coverage between 6 and 17mHz, 100kw tx between 9 and 15mHz, 15kw on the 25 metre band and 15kw on 49 metres. Completion due September 1976. BBC MS

UGANDA Broadcasting Corp.'s External Service scheduled on 6030kHz to East and Central Africa 1400 Swahili, 1430 English, 1530-1600 French. To South Africa 1615-1700 in EE on 9515. To West Africa on Tue, Thu, Sat, Sun on 15325 with EE at 1800 and FF 1830-1900. To North Africa in EE on 9730 kHz 2030-2100 Mon, Wed, Fri, Sun.

SCDXers 4/11

RADIO CORDAC in Burundi will soon put a 10kw transmitter on air, following donation of a similar unit to the Burundi Government.

J.Tuchsherer/NASWA DX Hotline

NEW ZEALAND RADIO DX LEAGUE

ADMINISTRATIVE OFFICE

P.O.Box 1313, Invercargill.

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

EDITORIAL OFFICE

P.O.Box 2956, Wellington.

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

Closing date for contributions:-

First Monday in the month.

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

ANNUAL SUBSCRIPTION: NZ\$4.00

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

AUSTRIAN RADIO has just published a survey of monitoring and reception statistics for the period Nov. 1973-October 1974. 2746 reports were received from Australasia, consisting largely of 1920 from Australia and 785 from NZ, out of a total of 104,725 reports from 98 countries for the 100kw Moosbrunn transmitters. Other interesting totals were 3603 from India, 3271 Japan, 1119 Cyprus and 1928 from South Africa. 76% of all reports came from Europe. 995 reports were received for the 1kw Aldrans outlet on 6000kHz. 10 from North America were the only reports from outside of Europe for this low powered transmitter. Total reports were up 11% on the previous year, with the biggest increases being from Sth East Asia (up 118%) & East Asia (Up 89%). Reports from Australasia were down 12% on 1972/3!

market square

DOWN UNDER DX SURVEY No.3 will be published by the Down Under DX Circle, 17 Stevenson Street, Kew, Victoria, Australia 3101 this month, with highlights: Band Survey 4000-4750kHz, Asian Band Survey 5950-6200kHz and general DX from Asia. Copies for 2 IRCs. We recommend this to keen DXers.