



NEW ZEALAND DX TIMES

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BOX 2956 1974 DX HANDICAPPED AID YEAR. Radio Nederland is currently broadcasting a series of talks on this subject in "DX Juke-box" on Thursdays (0645GMT on 11730, 0815 on 9715kHz). Arthur Cushen will feature in the programmes of 26 September and 3 October.

A PLEA. Once again we ask you to take care in addressing your contributions to the Times. The Box number is 2956...you wouldn't believe the number of incorrectly addressed letters we receive. Secondly, remember the mail closes on the first Wednesday of the month, yet notes are still coming in 3 days later. Next time we mightn't be so benevolent about trying to squeeze you in!

UTILITIES. With only two contributions in the last two months, Section Editor Bill Pearson concedes that the column may not have the following to warrant continued appearances in the Times. We hope to run a tidying-up column next issue and bring up the sections future at the A.G.M.

MAILBAG. Numerous queries this month...ROGER MACKENZIE asks for details of the Eddystone 1001 or 1830. We have brochures on these Roger but think the price tags would be prohibitive. Last years prices in London were £230 for the 1001 and £552 for the 1830. Roger has recently imported a Joystick aerial, Joymatch ATU and an artificial earth from Partridge Electronics, but is very disappointed with the results. JACK SEARLE asks what results came of the League's approach to the GPO re aerogrammes supplied by overseas stations to their monitors. Arthur Cushen received a reply from the Postmaster General stating that they objected to the weight of the forms. When a new design is introduced by the PO next year, apparently all other styles will not be permitted. STUART FORSYTH. If you can't get a 365pf capacitor for your MW loop, up to 500pf would be OK. Less than 365 would mean your loop wouldn't cover the entire MW range. Two capacitors could be connected in parallel to get the right value. Let us know what values you can obtain and we will provide further details. An S-Meter gives a relative indication of signal strength of a station derived from your antenna, as compared with other stations. A Q-Multiplier increases the selectivity of a receiver, that is, the ability to discriminate against interference from adjacent stations. KEVIN JENSEN receives the TV sound around 22MHz on his Sanyo transistor and wonders why. Without knowing the exact VHF frequencies of the TV relay transmitter at Nelson, it is difficult to be specific, but this phenomenon is common, particularly with transistorised receivers. The strong TV signal is combining with the IF of the radio to produce 'images' of the VHF signal on lower frequencies. Finally a comment worth repeating from DAVID OSBORNE. "I've been a member of the League for 12 months now and have enjoyed every minute of my DXing. As I will retire in a few years time, I will have more than a full-time hobby, besides my other interests."

CLOSING DATE FOR NEXT ISSUE: WEDNESDAY 2 OCTOBER. SEND DETAILS OF DX, QSL's, B.O.M's & LADDER TOTALS & COUNTRY TOTALS TO BOX 2956, WGTN.

FROM THE BRANCHES

SOUTHLAND. The annual meeting was held at Steven Greenyers on 27 August with 15 present. Following the presentation of the Annual Report and Balance Sheet which showed the branch in a very healthy state, both financially and in the field of activity, the election of officers resulted: Patron Mr O.Crawford, President Mr L.MacAskill, Vice Presidents Messrs L.Robinson, A.Crawford and H.Searle, Secretary Mrs I.Simpson (P.O.Box 5014, Waikiwi), Treasurer Mr M. Messers Cushen, Burtenshaw, A.Crawford & Mrs I.Simpson, PRO Mr A.Cushen. The major awards were: Best of Year BCB S.Burtenshaw with CMJP 1190; SW to R.Crawford and PM2DCA 2360 75w. Most BCB verifications: S.Burtenshaw 79. Most SW Verifications: A.Cushen 117. Marsh Trophy: N.Henry, PAL Trophy: S.Burtenshaw. Australian BC Cup: S.Burtenshaw. Junior Competition for 25th Anniversary Year: BCB N.Henry, SW S.Greenyer. Monthly competitions: BCB to A.Cushen with KKJO 1550, merit S.Burtenshaw with Rumania 1457. SW to A.Cushen with FEBA 15270 and HIBB 5030 400w.

OTAGO. There were 10 present for the Annual General Meeting of the branch, with extra guests Merv Branks and Jack Fox. In a full evening's programme much time was spent discussing AGM plans and Merv Branks presented trophies as well as giving a talk on early Otago DXing. Officers elected for the new year were: President Graham Pont, Vice President Lance Andrewes, Secretary Graeme Shillito (28 Thomson Street, Dunedin), plus a Magazine Committee of 3. Winners of the Annual Competitions: Longbeach Cup Peter Jackson, Coronation Cup Jonathan Aitchison, Presidents Shield Graeme Shillito, Best-of-Year Miniatures to Peter Jackson & Denise Shillito with SW winner CHNX 6130, BC to Graeme Shillito with CHLO. Junior Challenge Cup Peter Jackson.

WELLINGTON. The branch AGM was held on 28 August with 8 attending. New committee: President John Mainland, Vice President Bruce Williams, Secretary, Treasurer & "Capital DX" Editor Nigel Robins (P.O.Box 43,021, Wainuiomata), Competitions Judge Jack Farrow. A slide show was presented by host Bruce Williams, highlighting his recent trip to Australia. Annual Trophies: Gurney SW Cup to John Mainland Comores 3331, McKenzie MW Shield to Bryan Clark with TGRC Guatemala 605. Merit Trophy to Nigel Robins. Monthly competitions: BCB to Bryan Clark with KRY5 1360 and Radio Union 880. SW Senior to Bill Pearson and Hilversum via Malagasy 21730, Dene Lynneberg with Polish Pathfinders 682 and SW Junior to Jack Farrow with RBI 9730 and DW 6085. Next meeting will be at Tony King's, 45 Upper Watt St, Wadestown on Sunday 29 September at 1430hrs.

MANAWATU/WANGANUI. Leigh Morris, 14 Kettle Avenue, Palmerston North (Telephone 79.587) would be pleased to hear from League members in the Manawatu-Wanganui areas, who are interested in occasional weekend get-togethers.

AUCKLAND. The League's P.R.O. Arthur Cushen of Invercargill will be in Auckland on Sunday 29 September and during the afternoon there will be a meeting of League members, with the prospect of reforming an Auckland Branch, as mooted in recent months by Graeme Dixon, Deryk Duffy and others. Host will be Bryan Marsh, his address - 20 Rimu Road, Mangere Bridge, Auckland. Arthur will be looking forward to meeting as many members as possible before departing for Invercargill on the 5.10pm flight. Auckland area DXers please contact Bryan Marsh for further details. (Telephone 667-712)

FROM HEADQUARTERS

THE POWER OF ADVERTISING? Following the advertisement in last month's Times, we are advised that League pennants are completely sold out and no further orders can be accepted!

LEAGUE COUNTRIES/POINTS LIST. Add SW points for Antarctica - 35. (McMurdo Sd.)

TIMES RE-EQUIPMENT FUND. One further donation to hand, from Leigh Morris of Palmerston North - \$3.00, bringing total contributions to \$229.30. Thanks!

CUSTOMS DUTY ON COMMUNICATIONS RECEIVERS. Arthur Cushen is drafting another approach to the Minister of Customs requesting a reduction in duty for communications receivers.

The North Americans are again making regular appearances so if you've yet to log a 'Yank' now's the time to get listening between 6.30 and 8.p.m. It's important to check reception as often as you can. Some nights will be useless but now and then they'll really push through the noise. Keep an eye on these frequencies for a start: 1580 1570 1540 1530 1510 1190 1170 1070 after 1ZB 850 and 770(our station of the month.)

A couple of faux pas last issue - KTRG Hawaii 990 has been off the air for 5 years now, even though still listed in the WRTVH. Correcting our article on Radio Avon, the transmitter etc was installed by Television and Radio Service Ltd and not TeeVee Radio. Thanks to Chris Martin and Steven Greenyer.

With typical kiwi ingenuity, Robin Chambers has built a truly portable MW loop that can be assembled in a few minutes - details as soon as space permits. Keith Robinson notes a loud tone on 1120 at 11.45.p.m. on 31 August and wonders if the new Queenstown NZBC station might be on the air soon. Now to the mail...

SUTTON BURTENSHAW, Invercargill has log-
ged 4AY 4AT 3YB 5MU 2GO 2BH 3CV 3UZ
2RG 2XW 4LG 2AD 2KA with veries from
KJJJ 5AU 4AY 4VL 4AT 3YB 2BH Bernburg
1570 Constanta 1457.

KEITH ROBINSON, Kapuka has reported
Jakarta 1335 1YE 1XX Tropicana 540
4MS 6KG and verified Zakyntos 926.

DENE LYNNBERG, Titahi Bayhas veries
in from 58Y KJJJ 1XX.

ROBIN CHAMBERS, Opunake has reports
out to 1YX USSR 611 1YE 1YK Murupara
1110 Iraq 615 Djibouti 1538 Tripoli
1454. Veries in from Hong Kong 545
4MS 1YX DZDR 1YE 1YK. Thanks for
Trail.

PHILIP GARDEN, Dunedin has reports to
ZK1ZC 600 Revolution 1135 Dushanbe 1295
FEN 1580 Kuwait 1133 BBC Masirah 1410
Nice 1554, Veries in from KXEL 1540 KOB
770 KORL VOA Rhodes.

ANDREW WHITE, Christchurch has logged
Vladivostok 1250 VOFA 1580 KPRE KGU
CKDA 1XA 1XI 1XX 3SH 2UW. QSL from 1XX.

ELISABETH HELLYAR, Bulls has QSL's
from 2SM and 3NE. Most Aussies, includ-
ing 2CH will QSL eventually. They're
busy people. "ait a few months and try
again.

MARK CORRIGAN, Wanganui has reported
3XY and QSL'd 1ZM 2VM 2ZH 3KZ 4RO.

BRYAN CLARK, Wellington has logged
WWOK 1260 and QSL'd KRY5 1XX Murupara
and Sutatenza 810.

LINDSAY ROBINSON, Invercargill has
logged 2NR and relogged WXLE. QSL from
2NR.

PETER JACKSON, Dunedin has reported
2GN 4ZR 4LG 2DU 2XL and KGA. QSL's
from 6ED 3ST 4GR and 4NA.

L.G. MATHIESON, Paeroa has reported
2ZC and 2YZ with QSL's back from 1ZD
1ZB 1ZM 1XA 1XI 1XW 1YW 1ZH 1ZN 1XX
2ZW. Welcome to the Times.

CHRIS HAMBLY, Victoria visited
Wellington recently and logged three
new countries - Cuba 610 KORL and
XEROK.

ALAN ROBSON, Christchurch has them
out to Vatican 1529 North Korea 635
DXLL JOTF Sabah 1475 9WK 1520 KYXI
Hong Kong 545 Indonesia 1335 Malaysia
885 Monte Carlo 1232. QSL's from KFI
Kuwait 1133 Tahiti 740 XERF VOA Rhodes
1259. Another good month Alah.

JONATHAN AITCHISON, Dunedin advises
that conditions are improving and has
logged 4BK CFRN XERF Noumea 670
XEROK 4MK 2GO and 3HA. QSL's in from
3MA 4BK and 6KA

ARTHUR CUSHEN, Invercargill has verif-
-ied KIOE 2YZ and KKJO with reports
off to 3WV Bratislava 1097 Batra
1106 Moscow 890 Asmara 944 Nis 926.

GRAEME SHILLITO, Dunedin has them
away to KMO HIDA KRKO KMWX KOIN
Reunification Radio 1135 and KDIA.

ERIC MCINTOSH, Invercargill has logged
VOA Rhodes 1259 RBI 1511 Kuwait 529
Turkey 1016 Kuwait 1333 BBC Cyprus
1322 Veries: Hong Kong 545 JOAG 660.

STUART FORSYTH, Auckland has a report
out to 3YW and QSL's from 3YA 1ZM 1YC
and 4QB. I'm afraid you can't really
claim 4QB with 4QO synchronised on the
same frequency. Only solution is to --

wait for a special DX test. The League arranged for only 4QO to stay on the air in April 1971 to enable many members to get a positive report. Listen to 1070 after 1ZB signs off and you might get your first Yank.

NORMAN CLOVER, Hamilton has reports out to Fiji 560 3YW 3ZC 1ZE 1ZA and 4YW. QSL from 2XW after two months. Norman has successfully built a 36" loop but his booster went 'phut'.

NIGEL ROBINS, Wainuiomata has relogged KFBK and WXLE. Your dial overcrowded?

BRUCE MCGREGOR, Feilding has heard Voice of the Revolutionary Party. Although claiming to be in South Korea it is most probably in North Korea - in fact one member received a QSL by writing to Radio Pyongyang. Frequency is 1135 khz. Your second query. WCBS 880, WCAU 1210 WBBM 780 WEEI 590 KNX 1070 KCBS 740 KMOX 1120

BROADCAST TRAIL

EVENING

590 GMW fair 7.55 PG
 600 La Voz de Cuba full ID 7 good BG
 ZK1ZC 6.30 with requests GS.7.25
 635 North Korea good in JJ 11 AR
 760 KGU mxd 1YA 7.50 RG
 780 KCR/L/WBBM mxd over 4YA 7.50 14/8
 850 HJKC often 6.30 BC
 854 OAX/LH lima often 5.50 BC
 890 WLS strong 6.45 22/8 RG
 950 KJR fair 9 mxd 2UE 12/8 RG
 970 HLKA dominant 11.15 11/8 RG
 990 GBW weak/fair s/on 10.58 11/8
 s/off 6.04 mxd Colombian 16/8 RC
 998 Strong. Asian language. Bearing
 north on loop 10.45 ?? RC
 1030 VQO good 9.30 RC
 1115 Unid Asian fair 10.15 BG
 1120 KPNW fair 10.05 PG
 1135 North Korea exc 10.50 RC
 1190 XEWK s/off with ID 6.15 BC
 1197 Filipino weak/fair 11.10
 1260 WWOK 5.41 C & W BC
 1260 CFRN good 9.30; 8 JA
 1265 Paradise strong 9.35 16/8 RG
 1360 KMO fair pops 11.05 GS
 1380 XECO good 5.40 BC
 KRKO news good 11.30 GS
 1385 WXLE fair 6.50 (PG) good with mx
 10.03 NR
 1460 KMWX mixed 11.48 GS
 1530 KFBK CBS Nx 7 VG NR
 1525 Spanish weak/fair 4.55 then QSB
 1540 ZNS exc 5.05 20/8 RC
 1570 XERF exc 8.40, 11.14 in SS JA PG
 1554 Nice regular in FF
 1570 HLDA chimes and EE ID 1.30 GS

MORNING

539 Kuwait fair 7.05
 602 Nicosia good 7.05
 611 Russian fair 6.50
 615 Iraq good regular 6.50 - 7.35
 634 Iran fair around 7.
 665 Russian good 7.15
 674 Qatar good 6.55
 755 Southern Yemen fair good 7.15
 773 Cairo exc 7.05
 777 Zahedan good 6.55
 800 Russian very strong 7.05
 818 Cairo exc 7.05
 845 Rome fair 7.15
 854 Bucharest good 7.15
 Russian strong 7.20
 872 Petofi weak fair 7.02
 885 Damman strong regular 6.30 - 7.30.
 900 Chinese strong 7.05
 908 Baghdad strong/reg 6.45 - 7.30.
 959 Tunis fair FF 7.10
 980 AIR EE nx 3.45 PJ
 1016 Russian strong 6.55
 1025 Russian fair 6.55
 Israel mixed 7.15
 1043 German fair 7.25 then QSB
 1088 Tirana fair 7.15
 1106 Cairo very strong and regular
 1124 ELBeida strong and reg. 6.30 - 7.30
 1133 Kuwait in Eng. Often good 7 - 7.30.
 Fair 5.30 PG
 1192? Eastern Type drums 7. Maybe African.
 1214 Albania good in AA 7 - 7.20
 1223 Stara Zagora strong reg. Inc pwr?
 1232 Monte Carlo Cyprus relay exc FF 6
 1248 Dubai good 7.40 15/8
 1259 VOA Rhodes good 6.30 PG
 1295 Dushanbe poor fair 4.25 PG
 1322 BBC Cyprus relay usually gd 7.30
 1331 Rome strong 7.10
 1345 Kuwait fair 7-7.30
 1350 DXRP fair off 4 PG
 1394 Albania fair 7.35
 1403 Russian weak 7.15.
 1412 BBC Masirah usually strong.
 1448 Libya fair mxd Italian 7.35
 1454 Tripoli fair good 25/8 6.57 -7.32.
 Italian with songs and full ID in
 English at 7.30 then Nx in EE.
 1457 Romania exc 7.15
 1466 Monte Carlo often good 7 - 7.30.
 1475 Sabah poor 12.50 AR
 1484 Bghazi fair 7.15 AA
 1493 Russian weak fair 7.15
 1511 Brussels very good 7.15 8/8
 1520 KYXI 1.30 poor fair AR
 1529 Vatican 6.20 fair AR
 1535 Sharjah fair/good 7
 1538 Djibouti exc 7.25 - 7.45 18/8
 1546 Russian exc 6.45
 1550 DYLA fair 3.20 PG
 1562 Sweden good 7.05 8/8
 1602 German exc 7.18 4/8

SENIOR

KRYS Corpus Christi, Texas 1360khz
1 kw 133 points Bryan Clark

JUNIOR

VOA Rhodes 1259 KHZ 150kw 107
points.
Alan Robson & Philip Garden.

DX FORECAST

September - the month for Europe -

- 6. - 6.30.p.m. (especially the last 10 days of the month) Portugal, Canary Islands, poss. West Africa. Watch split frequencies.
- 6.20. - 7.30.p.m. USA
- 6.00. - 7.00.p.m. Mexico
- 6.30. - 8.00.p.m. Canadians
- 8.30. - 9.30.p.m. Look out for US East.
- 1.00 - 4.00.a.m. Asians good.
- 4.30.a.m. onwards Middle East good.
- 5.15 - 7.00.a.m. Europeans good.

OCTOBER

- 6.30 - 7.15.p.m. Portugal, Spain, some Europeans. Also Cubans about this time.
- 6.30 - 8.p.m. USA
- 3.30 - 4.45.a.m. Watch for Alaskans
- 7.30 - 9.15.p.m. US East Coast peak
- 10/00 - 10.30.p.m. US Central
- 3.00.a.m. - 4.30.a.m. Hawaiians
- 4.30.a.m. - 5.a.m. Far East USSR
- 5.00 - 6.20.a.m. Europe. Middle East.

Being mailed with this issue of the Times to New Zealand and Australian members is the latest itinerary of the DXCURSION to Australia in March next year. As at 1 September, 27 people had indicated their interest in the tour, so early enrolment is recommended. The deposit required comprises the EPIC fare plus EPIC insurance. This Early Purchase Individual Concession fare is required by the airlines not later than 35 days prior to departure on the first air journey, and is not refundable in the event of cancellation unless the reason for cancellation is covered by the Epic insurance paid. About the only conditions not covered by the insurance are an amendment to the travel dates executed within 35 days of the first journey, and the decision to withdraw once the fare is paid for other than reasons beyond your control. In the airline's experience since the EPIC fare was introduced many months ago, few problems arise.

Members should not hesitate to register now to confirm their interest in what will be a most enjoyable tour, particularly as our counterparts across the Tasman are gearing themselves to make the tour a real success for us - and the average tour doesn't have that advantage!

NZRDXL, AGM, DUNEDIN, 26 OCTOBER 1974.

Members are invited to attend the League's 28th Annual General Meeting, to be held in Dunedin from 10.30am on Labour Weekend Saturday 26 October. Other items on the programme include DX activities on the Saturday evening and Sunday, a tentative visit to 4XO Radio Otago, an optional Wine/Dine & Dance at the Savoy, and a tour for wives etc during the AGM proper.

If you would like to attend, please send the accompanying form (or your handwritten version of same) to:-

GRAEME SHILLITO,
28 THOMSON STREET,
DUNEDIN. (Telephone 47275)

Don't delay.....Enrol Today!

I wish to attend the 1974 AGM in Dunedin, and require ACCOMMODATION (Billet or Motel).....YES/NO
Specify dates.....
ACCOMPANIED BY WIFE.....YES/NO

TRAVEL DETAILS. How are you planning to arrive?.....
Do you wish to be met?.....YES/NO

FUNCTIONS: Do you wish to attend-
DXpedition.....YES/NO
Buffet Luncheon
during AGM.....YES/NO
Evening Wine/Dine
and Dance.....YES/NO
Trip for Wives
during AGM.....YES/NO

(Indicate no. attending in each box.
YOUR SIGNATURE & ADDRESS:

The largest station in the American state of New Mexico, with more than 100 employees, KOB Radio had its foundations as long ago as 1919, when Dr Ralph W. Goddard operated 60 watt station 5XD from the New Mexico State College. In 1922 KOB came into existence with an output of 500 watts. A 20kw transmitter was introduced in 1929 and in 1941 power was upped to the present level of 50kw. 1937 saw the beginnings of KOB's continuing links with the NEC Radio Network. When the station celebrated its 50th birthday in 1972, some DXers were recipients of invitations as illustrated. Besides the MW outlet on 770kHz, the Hubbard Broadcasting Inc. also operate KOB-FM on 93.3MHz with 8.2 kw and KOB-TV.

As a clear channel station, KOB directs its country and western flavoured night-time programming at the long distance truck drivers. Prior to 6pm NZT syndicated programmes like "The World Tomorrow", "The Voice of Prophecy" and "Lifeline" are aired.

Then, after NEC News, the C&W music programme begins. NBC news bulletins on the hour are interspersed with commercials and PSA's (public service announcements). Identification slogans include "Fifty thousand watts KOB Radio Albuquerque, 24 hours a day", "Radio 77" and "Kob Radio".

KOB often provides very good and steady reception in our early evenings. Inevitably there is some QRM from 1YA and 4YA on adjacent frequencies, plus 3LO Melbourne on 770 later in the evening. The station is using Mountain Daylight Time (till late October) which means that the 1am NBC News is heard here at 7pm. To obtain KOB's attractive large QSL card send your report to KOB Radio, Box 1351, Albuquerque, New Mexico 87103. Don't forget an IRC! BC

Free Refreshments and the World's  most beautiful 1/2 ton Birthday Cake

YOU'RE
INVITED!
KOB RADIO
50th Anniversary Party

When: Saturday, April 6, 1972 / Where: Coronado Center / Time: 12 Noon to 5:00 PM

- KOB International Balloon Festival
- Featuring Albuquerque's First Annual Hot Air Balloon Championship
- Starting from Coronado Center at 8:00 AM
- Famous Balloonists from across the Nation
- The Most Gigantic Birthday Party You've Ever Attended



KOB
RADIO 77

PLUS

- Free Golden Balloons
- Free Commemorative Coins
- Free KOB Anniversary Posters
- 1,000 Pounds of Birthday Cake
- Fabulous Entertainment
- Announcement of winner of KOB's Golden Girl Contest
- Live Broadcasts with KOB's On-the-Air personalities

How to listen to the world

Produced in association with the BBC



Further stocks of "How to Listen to the World" have arrived. Price is \$3.70, brochures available from Arthur Cushen at the address below. 50 cents from each sale is donated to the Times Equipment Fund.

A few extra copies of the 1974 World Radio & TV Handbook have come to hand. Price \$5.50. An explanatory brochure is available.

ARTHUR CUSHEN

212 EARN STREET :: INVERCARGILL

ITU LW/MW CONFERENCE 1974

Further to last months item re frequency congestion in Europe, the above gathering is scheduled for 3 weeks in October to prepare specifications on matters including Channel Separation and planning for a new Frequency Plan. This Conference concerns Europe/Africa and Asia/Australia. The European Broadcasting Union has recommended a channel separation of 8kHz to cover both the above regions, in order to avoid difficulties at the regional boundaries. There may be moves to allocate different parts of the LW/MW bands for transmitters of different power classifications (a la USA?)

Info from Medium Wave Circle via NRC DX News.

EUROPEAN BCB NEWS.

September has, in past years, been the month for European reception in NZ. To set the scene we feature recent DX news from that area.

ANDORRA. Sud Radio 818kHz is now operating with 900kw.

BULGARIA. Vidin 575kHz is beamed to Western Europe with 1000kw. Also noted on 1322kHz. WWDXC

Radio LUXEMBOURG on 236kHz longwave is now 1400kw. By mid-1974 Radio Monte Carlo, MONACO will have a power of 1200kw on 1466kHz.

SPAIN. Press reports indicate that it is likely that Spanish commercial and private MW stations will have to move to VHF, leaving RNE as the only Spanish stations on MW. If approved at an ITU Conference this year, may start in 1975.

CANARY ISLANDS. RNE Canarias 620kHz is now on 24 hours.

GREECE. EIRT will soon have two MW transmitters at Bogiati, 20km from Athens. Powers will be 2 x 500kw and 2 x 700kw. DX Corner Belgium

RUSSIA is currently making a major reshuffle of MW and LW networks. The following summarises various contributions to NRC News, Sunspot and WWDXC.

- | | |
|---|--|
| 539 Orenburg here ex 300kHz. | 1070 Riga here ex 1142. |
| 611 Petropavodsk and Tallinn both here with Mayak programme. | 1097 Alma Ata reported here by EBU. |
| 620 New Far Eastern Mayak station sked 1900-1800GMT. Syktyvkar ex 320kHz with Mayak. Unid Caucasus station with prgm I 0500-1300 & 1800-2200. | 1106 Caucasus stn with Prgm I 1600-1115. |
| 629 New Mayak probably Saratov ex 340. | 1142 Kuybyshev ex 829, Kaliningrad ex 1115. |
| 665 Tashkent I here. Delete 908. | 1196 Minsk ex 400kHz 0300-2200. Kaunas probably here with 1st Prgm. |
| 647 Simferopol. Also Omsk ex 394kHz. | 1207 Unid Russian & jammer here. |
| 674 A Ukrainian stn relays Uzhgorod at 1510, Mon-Fri. Another Ukrainian relays Khmel'nitskiy 1500-1600 M-F | 1222 Ukrainian station operating. |
| 854 Unid station with 1st Programme. | 1277 Kuybyshev has dropped night prgm unid new station poorly modulat -ed heard 0400-2200. |
| 890 Unid Caucasus station with Mayak. | 1295 New unid Central Asian with Mayak |
| 908 Unid North European here till 2100 | 1430 Foreign Service ex 935 frm 1700. Could be Ivov. |
| 935 Vinnitsa ex 1546 here 1700-0100. | 1475 Strong Mayak closes 1530 & moves to 1525. |
| 944 Riga ex 1586 with Mayak 0200-0100. | 1546 Ukrainian ex 1493 with F.S. 1500 |

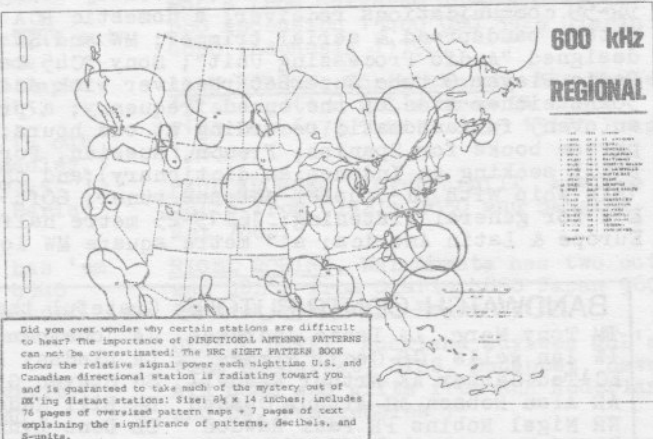
Sample Page. Actual page size 8 1/4 x 14"

NRC'S "NIGHT PATTERN BOOK"

This publication shows at a glance, the actual directional antenna patterns of more than 1400 US and Canadian AM stations which operate during darkness. Each pattern is individually scaled and drawn to show how much relative signal a station is radiating in YOUR direction. 76 pages of maps arranged by frequency and 7 pages of technical explanation etc.

AIRMAIL PRICE TO NZ: US\$9.
that is less than NZ\$7.

Send International Money Order to: National Radio Club, Box 127, Boonton, NJ 07005, USA.



*Explanatory order forms at Box 2956, Wellington.



EQUIPMENT REVIEW

First up this time is GARTH HUTTON of Christchurch who listens in on a 5-band Philips receiver, linked to a 50ft longwire antenna at a height of 36ft.

OWEN BARRIBALL, New Plymouth uses a National Panasonic R2500B 5-band receiver and an ITT Schaub-Lorenz Tiny set with LW, MW, FM and SW coverage of

5.8-16MHz. Owens 1200ft longwire (soon to be lengthened to 1700ft) runs SW-NE and NW-SE.

ARTHUR WILLIAMS of Timaru is proud owner of a Hammarlund Hq180A communications receiver and a 5 tube Mullard 15A-34. Antennas are a 100ft inverted L and a 1 metre square box loop. On the job at Twizel he uses a Nivico FA6000 transistor set and a 7 tube Ekco SW86. Recorders are a Sony TC800 reel-to-reel and a Thorn 3241 cassette machine.

GRAEME DIXON's receiving equipment in Auckland consists of a Trio 9R-59DS & a homebrew receiver with coverage to 18MHz. Assisting are a 25ft whip antenna and Sony and Aiwa tape recorders.

STEVEN PROUT of New Plymouth has a fine line-up: Nordmende Globetrotter PRO with 15 bands, 11 bandspread, also LW, MW & FM and 29 solid-state devices; an Austrian-built Philips cassette receiver; 160ft horizontal V antenna, directional to East or West; an FET booster and World Time Clock. Steven has also designed and built a receiver which certainly sounds like a DXers dream, equipped with 18 transistors and FET's and IC's, AC or DC operation, dual-conversion superheterodyne, covering 100kHz to 30,000kHz in 30 bands of 1mHz each! A rotating slide type dial 21" long gives a total dial length of 52.5 ft! Other features include a Crystal Calibrator and S-Meter. Sounds great!

NEVILLE HENRY, down Invercargill-way DX's with a 12 valve Bendix MN26C radio compass receiver and an Eddystone S750. Helping is an Hitachi cassette recorder and the following aerial array: 500ft NNE, 300ft SE, 400ft NE and 150ft E, and a 40 inch MW loop.

JOHN MABBETT from Warkworth uses a Pye PZ39 5 valve receiver with coverage 50-26,600kHz in 8 bands, coupled to an antenna tuner. Also John has a Sanyo 10 transistor portable. Excellent results are provided by a 124ft Y-shaped antenna at a height ranging from 20-50ft.

NIGEL ROBINS of Wainuiomata is currently using the following equipment: Trio 9R-59 communications receiver; a domestic RCA 5-tube receiver with added S-meter, bandspread & aerial trimmer; MW and SW boosters, a Practical Wireless designed "Audio Processing Unit"; Sony TC45 Cassette Recorder; a Philips MW Radio Player 5 tube superhet receiver with added motorised dial for scanning 50kHz either side of the tuned frequency; a programmable Time Switch (from an oven) for automatic recording at odd hours; numerous dictionaries and phrase books for Spanish, French, Russian, Portuguese & German (Nigel is still seeking an Indonesian dictionary); and the following antennae - vertical 12ft whip with pi-coupler antenna tuner; 60ft longwire, 15ft high running E-W for general listening; 16-19-25 metre halfwave dipole directed WNW for Europe & Latin America; a 1 metre square MW loop.

TO BE CONTINUED....

BANDWATCH CONTRIBUTORS

TM Tony Marr LA Lance Andrewes
 IW Ian Wells CS Cecil Symmes
 EC+Ted Carter AK Arthur Kindell
 AR Alan Robson AC Arthur Cushen
 NR Nigel Robins PR Paul Rawdon
 MC Michael Cole MR Murray Robson
 BWi Bruce Williams JM John Mainland

Grateful thanks to:- (+ = Australia based)

JA Jonathan Aitchison JF Jack Farrow
 LR Lindsay Robinson NG Nigel Greene
 SG Steven Greenyer PG Philip Garden
 BH Bill Huddleston JS Jack Searle
 DL Dene Lynneberg EC Bryan Clark
 CC Colin Campbell BW Barry Williams
 DW+Dick Whittington HW+Harry Weatherley
 Union of Asian DXers, Japan SW Club, Sth African DX Club, Nth American SW Assn.

Shortwave Mailbag

with JOHN MAINLAND

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Further to last month's highlight, Tony Marr appears to be the second League member to verify the American Forces Antarctic Network. With two additional QSL's Tony's country total now reaches 187. Jack Searle asks about an unidentified Mexican on 15110 khz between 0400 and 0800 GMT. This would be Radio Tricolor (XERR) probably, which has been inactive for two or three years on shortwave. A bandwatch listing of 11880 (XERH) is noted this month. Finally, Steven Greenyer writes: 'I have noted New Caledonia, SW and MW frequencies carrying English on occasional Saturdays 1000 - 1100 GMT with interviews with pop singers in English and French.'

JACK SEARLE, Haumoana, has QSL's from RCI 6140 9480 KGEI 9615 VOA Tinang 15290 HGJB 9530 Riyadh 9605 AIR Delhi 15340 Tirana 9480.

JOHN MAINLAND, Wellington has QSL's from TWR-M 11850 Berne 9725 Budapest 5970 RBI 11820 Polish Pathfinders 6852 Jerusalem 9495 KGEI 9520 11900 Riyadh 11662 15260.

BRYAN CIARK, Wellington has four out but nought back. It's gotta happen sometime !

PHILIP BROOKS, Wanganui has one out and QSL's from VQ04 RNZ 9540 RA Shepp 17870.

DICK WHITTINGTON, Victoria has QSL's from Thailand 9655 Brasilia 15245 Malawi 3380 Paris 11710 Moscow 11790 Chimu 2376. Dick and his wife will be holidaying in Indonesia during Sept.

NIGEL GREENE, Paremata has 37 reports out and QSL's in from NHK 6030 Bucharest 5990 Berne 11870 Berlin 6125 Nederland 6165 AFRTS 6030 RSA 11900 Vatican 9615 Brasilia 15245 RCI 5925 BBC 7120.

JACK FARROW, Lower Hutt has eight out for the month with QSL's in from Canada 5925 9480 BBC 7185 9640 Japan 9505 RNZ 9540 RBI 9730 TWR 11815.

BILL HUDDLESTON, Auckland has 15 out with some off his new Barlow Wadley, with replies in from Baghdad 9745 Brasilia 15245 Jerusalem 7395 Paris 6020 WYFR 17845.

STEVEN GREENYER, Invercargill has 'em back from Tirana 9500 Yaracuy 4940 Gran Colombia 4912 Nacional Ecuador 4940 Nacional Colombia 4955 Nacional Brasilia 15245. Buena !

TONY MARR, Wellington has a verie from AFAN 6012; plus Bangladesh 14455.

ARTHUR KINDELL, Levin. Out 5. In 0.

HARRY WEATHERLEY, Melbourne has 'em from Chad 4904, Malaysia 5005 KGEI 9520 Brasilia 15245.

MICHAEL GOLE, Auckland has QSL's from Israel 7395 Rodina 9765 and BBC Atlantic 9725. See Nigel's address on Page 2.

MURRAY ROBSON, Christchurch has a big bunch in from AIR 15205 17775 9525 Prague 9540 Norway 15175 RBI 17880 RN Bon 6165 Denmark 15165 DW Julich 11945 7275 11785 SBC 15430 Bucharest 9570 ORTF 6020 VOA Kavalla 9695 VOA Munich 9770 VOA Phil 11715 VL2UV Moscow 11790 CHNX 6130 CBC 5960 Brasilia 15245.

TED CARTER, Tasmania has QSL's in from DW-J 9640 11810 Vienna 9650 Rome 21690 Vatican 11790 Brasilia 15445 RSA 6030 BBC/FES 3915 BCB 5925 9480 VOA-P 11930 VOA-R 7205 Sweden 11955 ORTF 6020 AIR 11735.

IAN WELLS, Milton has a reward from VOPhilippines 9580.

LINDSAY ROBINSON, Invercargill has QSL's from Univero 4880 AIR 15190 BBC Ascension 15400 CBC 5925 Clarin 4850 Indonesia 11790.

ALAN ROBSON, Christchurch has logged 15 and gotten QSL's from RA Shepp 7180 Dar 6075 Tahiti 6135 15170 Prague 17840.

PAUL ARONSEN, Invercargill advises QSL's from Clarin 4850 and Bangkok Met 7863.

NIGEL ROBINS, Wainioma has two out and QSL's from Clarin 4850 Japan 9605 Denmark 15165 and Lagos 15185.

DERYCK DUFFY, Auckland advises QSL's from Bucharest, SIBS, Budapest, Havana AIR HGJB and gifts from NHK Nederland and DW. Frequencies ?

PHILIP BOLTON, Wainioma has found a moment to open his mail with a QSL from Brasilia 15245.

10 STATION OF THE MONTH



This month we feature Radio Nacional de Espana at Madrid which caters very much for the listening audience in the Americas. For this service the language is Spanish and is heard from 2200 - 0400 GMT on 9530, 11775, 11945 and 15145 khz.

A further Spanish language broadcast is aired from 0000 - 0600 GMT on 9630 KHZ. The 11945 channel was recently introduced and provides

good reception during our afternoon. For English speaking listeners RNE is heard with three 45 minute transmissions which commence at 0100, 0200, and 0300 GMT on 6065 and 11925 khz, the latter channel providing the better signal. For morning reception in Europe RNE opens at 0530 GMT on 9515 khz, this transmission also provides fairly good reception with programming in various European languages. The foreign service transmitter site is at Madrid-Arganda where 50/100/350/700kw units are utilised. Reception reports are welcome and are acknowledged with a QSL card. The address is Radio Nacional de Espana, Casa de la Radio, Prado del Rey, Madrid, Spain. Muchas gracias.



SHORTWAVE MAILBAG - continued

DENE LYNNEBERG, Titahi Bay has 13 out with QSL's in from TWR Monte Carlo 7185 and 11850 Singapore 6000 TIFG 6175 RSA 3955 Brasilia 15245 Polish Pathfinders 6852.

COLIN CAMPBELL, Rotorua has veries from Saudi Arabia 21510 Paris 11705 and 21595.

LANCE ANDREWES, Dunedin has QSL's from ORTF 7135 AIR 11810 Portugal 11840 Nederland 11845 RSA 11900 AFRTS 15430.

PHILIP GARDEN, Dunedin has two. RSA 4875 and Lisbon 6025.

JONATHAN AITCHISON, Dunedin has them from Solomons 3995 RBI 9500 Vienna 9650 VOA Greenville 9530 HCJB 6085 AIR 11775 RA-8 11850.

DES DAVEY, Te Kuiti has them from AFRTS 6110 Bulgaria 9700 Thailand 11905 Berne 9750 Koln 9690 AIR 11775 RN Bon 11730. Have a good trip Des.

ARTHUR CUSHEN, Invercargill has verified DW 9615 11810 Iran 9022 KGEI 9615 Sweden 11755 Vatican 15200 FEBA 15270 YVOJ 3395 HIBB 5030 TIURC 6105.

DAVID OSBORNE, Hastings has QSL's from Moscow 15450, Norway 15175, RBI 21465 11785 9500 Prague 11855 AIR 15190 17775 RCI 6135 5970 9625 15235 BGC Cyprus 15420 Poland 6095 7270 Bulgaria 9700 IBA 9009 RN 9715 Bonaire, 15305 Hilv. Korea 9640 Peking 11720 9460 NHK 11875 15195 15235 17880 9505.

GRAEME SHILLITO, Dunedin has QSL's from Helsinki 11755 RSA 17805 Voice Philippines 9580.

PAUL RAWDON, Lower Hutt has 36 out this month and QSL's from SBC 9725 6165 11720 Soria 9700 HCJB 9745 6085 RCI 6140 FEBC 15440 RN 6165 9770 Moscow 9720 Belgium 9655 RSA 11900 Peking 9460 WYFR 17845 TWR 11815.

CECIL SYMES, Wellington has veries from Cuba 9525 Bulgaria 9700 Vatican 9645 DW 9690 VOA 6160 Phil 11880 Green 5995 RA Bris 4920 Lyn 5995 Shepp 11765 Dar 15395 UN 5950 AFRTS 6030 11805 Pyongyang 7405 Israel 7395 Spain 15145 Japan 15235. Still writing re your queries.

JOHN SLATER, Waiheke Island has QSL's from Nederland 9715 HCJB 9745 BBC 7150 Nederland 6165 SBC 11775 RA 17795 TWR Monaco 9575 Bucharest 11940 Tunis 11970 Lisbon 11840. Reports to be submitted in Bandwatch format please John.

BARRY WILLIAMS, Auckland has QSL's from Madang 3260 Southern Highs 3275 Morobe 3220 Northern Districts 2468 Bangladesh 17935 Espana Independente 10110 Thai TV 7108 Brunei 7215.



BEST OF THE MONTH



UNDER 9 MHZ

Polish Pathfinders, 6852 khz
300 watts.
John Mainland
Dene Lynneberg.

OVER 9 MHZ

FEBA Seychelles, 15270 30kw
Arthur Cushen.

DEUTSCHE WELLE - MALTA

Shortwave test transmissions commenced from this Mediterranean Island at 1600 GMT on the 29th July 1974. The station will relay The Voice of Germany to the following schedule from 1st September:-

1115-1215 GMT in German to Japan on 11865 & 15235kHz

1300-1425 in German to East Asia on 21650kHz and to North Africa on 15320kHz.

1600-1750 in German to South Asia on 11705 & 15275.

2300-0110 in German to Sth America on 9610 & 11865.

0120-0430 in German to Nth America on 6145 & 11865.

0440-0515 in German to Turkey on 6065 & 7235kHz.

1800-1900 in German to Turkey on 7160kHz.

2140-2230 in German to Europe on 6000kHz.

0520-0650 in Arabic to Middle East on 6025kHz.

1430-1510 in Arabic to Middle East on 11785 & 15320.

1910-2100 in Arabic to Middle East on 6065kHz.

2105-2130 in Maghreb to Middle East on 6065kHz. Credit to John Mainland & Michael Cole.



DEUTSCHE

WELLE

RADIO RSA - THE VOICE OF SOUTH AFRICA.

The English schedule for the September-October 1974 period is:-

0300-0430 GMT on 3995, 5980, 7270, 9525kHz.

0615-0705 " " 11900, 15220 and 17780kHz.

1100-1200 " " 11900, 15220 and 21535kHz.

1300-1456 " " 11900kHz.

1300-1550 " " 15220 and 21535kHz.

1600-1650 " " 7270, 11900 and 15155kHz.

2100-2150 " " 5980, 7270, 9525, 11900.

2230-2320 " " 5980, 6035, 9585, 9695kHz.

1000-1050 " " 11970 and 15220kHz on Sundays only.

John Mainland.



WWV & WWVH

As SW listeners will be aware, low sunspot activity is at present affecting radio propagation. This article tells us of two 'utility' stations which can help us to understand this phenomenon.

The National Bureau of Standards operates WWV in Fort Collins, Colorado, USA and WWVH from Kawai in Hawaii. WWV broadcasts on frequencies of 2.5, 5, 10, 15, 20 and 25MHz. WWVH is on the same frequencies except for 25MHz. The two stations provide accurate time signals, propagation forecasts, storm warnings, reports on solar terrestrial conditions and the magnetic field.

WWV makes announcements with a male voice; the propagation forecast is made at 14 mins after each hour and a geo-alert (solar conditions) at 18 mins past the hour. WWVH has the geo-alert at 45 mins after the hour.

The propagation forecast from WWV is issued in code form eg. November 6 or Whiskey 4. The path is described as N or 'November' for Normal, U or 'Uniform' for Unsettled and W or 'Whiskey' for Disturbed. The number which follows indicates the forecast for the next 6 hours, on a 1 to 9 scale. 1=useless, 2=very poor, 3=poor, 4=poor to fair, 5=fair, 6=fair to good, 7=good, 8=very good and 9=excellent.

These forecasts are issued at 0100, 0700, 1300 and 1900 hrs GMT daily. Times are expressed in Coordinated Universal Time (UTC) which is the same as GMT. Further information is available from National Bureau of Standard, Frequency Time Broadcast Services Section, Boulder, Colorado 80302.

SHORTWAVE BANDWATCH



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A new station in Papua-New Guinea, Radio Central Districts is noted on 3290kHz; Steven Greenyer reports Emisora Cultural Sur Colombiana on 5010kHz; A.F.A.N. McMurdo Sound continues to be heard on 6012kHz; Radio Malaysia Sarawak at Kuching is noted on the new frequency of 6050kHz..these are some of this month's highlights. As DXers will be aware, a new transmission period commenced on 1 September; this means many international broadcasters are introducing new frequencies. With your help we hope to be able to list many of these in our next issue. The trend in September should be towards a gradual improvement in signals received during darkness, particularly from Europe, on frequencies above 12mHz. Now to the listings.... (+ indicates overseas contributor)

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

FREQ	TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	INITIALS
2376+	1900	PAPUA-NEW GUINEA	Chimbu	very good at sign-on.	DW
1750	1052	AUSTRALIA	VL2UV Univ. of NSW	VG but QRM from local harmonic.	MR
2556	2015	CHATHAM ISLANDS	ZIC Chathams	Radio now follows Wx with local news items, raffle results, childrens quiz etc. Fair to 2020. In my book this made it eligible for this column, but the NZPO has replied with their standard letter declining to verify a Utility operation, under the provisions of the International Radio Regulations relating to the secrecy of radio communications. What makes a SW broadcasting station?	BC BW PG
3290	0945	GUYANA	Action Radio	poor-fair with EE news.(See next item)	BC BW PG
3290	0900	PAPUA NEW GUINEA	Radio Central Districts	local prgm fair. AC 1052 new station noted till s/off 1100. Location thought to be Port Moresby. SG 0818 //3925, 4890kHz first noted 10/8.BW	AC BW
3322	0945	PAPUA NEW GUINEA	VL9BA	Radio Bougainville, fair reception.	JA AR
3355	0800	NEW CALEDONIA	Noumea	very good in French.	JA
3385	0845	PAPUA NEW GUINEA	Radio Rabaul	fair in Pidgin.	JS
3668	1143	TIMOR(PORTUGUESE)	Dili	good signal but QRM from CW.	JS
3952	1914	GREAT BRITAIN	BBC European Service	S9 +20db in German!	AK
3955	0450	SOUTH AFRICA	RSA in Afrikaans	with news & orchestral.Fair.	JS
3985	1850	SWITZERLAND	SBC Berne	exc in German to Europe. Italian 1910.	JA
4800	0617	ECUADOR	Radio Popular Independiente	fair in SS.	
4810	1800	KAZAKH SSR	Kyzyl Orda	with local prgm 1800-2000 in Russian & local lang. Full ident at s/off. TM 1927 EE pops including Andy Williams. 5 note trumpet int.signal at 1930.(Ref Jan 74)MR	DW+ LR
4825	0730	ECUADOR	Luz y Vida	good with Mx,idents & commercials in SS.	DW+ LR
4832	0800	COSTA RICA	Radio Capital	good in SS.BW 0718 many ids, fair.	HW+
4850	0728	DOMINICAN REP.	Radio Clarin	fair in SS. Many ids.IW good.	JA DW+
4871	1226	INDONESIA(IRIAN BARAT)	Sorong RRI	very good in Indonesian.	IW
4875	0455	SOUTH AFRICA	RSA	poor signal.JA 2000 s/on poor.	PR
4880+	1010	VENEZUELA	Radio Universo	fair with SS vocals.	DW
4900+	1900	BURUNDI	Radio Cordac	fair during FF prgm. Ex 4895kHz. Puts SADXC	DW+
4900	1045	VENEZUELA	Radio Juventud	SS music.LR 1014 Talk in SS.	MR
4904	1840	CHAD	with talk & mx prgm.Heavy static.LR	Fair in FF,drum mx.	MR
4940+	1250	SRI LANKA	Colombo	overall poor in Tamil.Noted to 1330.Junqua	JSWC
4940	0607	IVORY COAST	Abidjan	vg in FF with native songs & pops.	DL
4940	1030	VENEZUELA	Radio Yaracuy	good with ident & music.	LR
4945	0643	COLOMBIA	Radio Colosal	good with SS talks and mx.IW 0830 Ids.	BW1
4985	0938	INDONESIA(CELEBES)	RRI Ujung Padang	vg in Indonesian. Ident 1000 followed by Koran readings.	BC
5010	0635	COLOMBIA	Emisora Cultural Sur Colombiana	good with ident as "Radio Sur Colombiana, la Voz del Culturo."	SG
5010	1855	CAMEROON	Radio Garoua	fair in FF with Nx 1900.Still hrd 2000.	DL CS
5030	0927	VENEZUELA	Radio Reloj	Continente good with Mx prgm in SS.	CS

FREQ	TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	INITIALS
5030+	0701	ECUADOR	Ondas Cañaris,	Azogues with ident & pop mx. Schnabel	NASWA
5066m	0638	ECUADOR	Radio Progreso,	Loja fair past 0800 on Sundays.	SG
5095	0940	COLOMBIA	Radio Sutatenza	good with Mx & Idents. LR 1003 vg	SS. TW
5170	0958	CHINA	P.L.A. Station	s/on with chime-like int. sig & id in CC.	SG
5804	1904	YEMEN	Sanaa	with full ident in AA, fair. Strong by 1940.	TM
5955	1930	FRANCE	ORTF Paris	strong in French.	JS
5960	0530	CANADA	RCI Sackville	250kw in EE to Northern Canada, good.	CC
5970	0600	ECUADOR	HGJB relig	prgm in EE to Nth Am. Fair on new freq 1/9.	JM
5980+	2000	SOUTH AFRICA	Radio RSA	with French Service.	DW
6000	0545	UNITED STATES	KGEI	new freq in SS //9615, fair ex 11905.	JM AC
6006	0827	COSTA RICA	TIBH Radio	Relej good in SS. JS 0929 Mx & Time annc	TW
6012	0557	ANTARCTICA	AFAN McMurdo	noted weak-fair 78/8 with jazz & rock mx. SG 0630 Sunday with AFRS prgm, fair.	AC
6020	0515	FRANCE	ORTF "Paris	Calling Africa" good in EE. JS 0525 good.	PG
6025+	2133	NIGERIA	Enugu	logged in EE with African & EE pop mx. Fair.	HW
6030	0459	WEST GERMANY	Suddeutscher	Rundfunk s/on Sunday. Short int. sig.	SG
6040	2000	USSR	Radio Moscow	to British Isles //7250, 7310, 9550, 9610 and 9710. All good except 9710 with severe QRM from RAI Rome.	PR
6050	0958	SARAWAK	Kuching	with int. sig then prgm in Iban. New frequency but poor due QRM from USSR.	JM
6050	0445	GREAT BRITAIN	BBC World	Service with "Victor Sylvester" fair.	CS
6070	0820	INDONESIA	(IRIAN BARAT) RRI	Jayapura good in Indonesian. PG 1049	IW
6095	0900	COLOMBIA	La Voz del	Centro good with SS music & idents.	LR
6105+	1735	TANZANIA	Radio Tanzania	fair in Swahili to East Africa.	SADXC
6115	0405	PERU	Radio Union,	Lima good but later mixed. SS, many advts.	DL JM
6115+	0700	JAPAN	Nihon SW	Broadcasters ex 7230 since July.	JSWC
6125	0703	COLOMBIA	Radio Continental	fair with music programme.	IW
6130	0625	CANADA	CHNX weak-fair	with pop music. MR CKZN on 6160 weak 0900	SG
6135	0503	CANADA	Radio Canada	International Nx & comment. Fair.	JF
6145	1000	UNITED STATES	UN Radio	via Dixon fair in EE. At 1010 Tagalog, 1020 Thai, 1030 EE s/off. NG 1001 Nx summary in EE, good.	CS
6145	0320	MALTA	Deutsche Welle,	Malta vg testing & requesting reports. Other reports: 5955 at 2140 by AR DW+ AK LR HW+; 11865 at 0120-0430 by JS MC AK; 7160 by CE poor at 1875; 15225 good at 2305. JS; 9745 at 0117, SG; 11810 at 0003 by PR; 9625 at 2000 by AC in Arabic; 7235 at 0440 good MC; 6065 at 1910 & 0440.	MC
6155	1830	AUSTRIA	Vienna	in English. BW (Swazi Music Radio off, Barry? Hi)	
6170	0915	PHILIPPINES	DUH2	with MW station ident. BW 1105 fair in EE with ident as "DWIN 1500 AM and 103.5 FM".	PG
6175	0350	PERU	Radio Tawantinsuyu,	Cuzco fair in SS till s/off 0400. Not to be confused with TIRC with 0400 s/off but currently inaudible	
6180	0358	NORWAY	Oslo	on this new freq mixed BEC & Bucharest 1/9.	EC /DL
6185	0900	INDONESIA	8FW51	local programme, good.	AC
6195	0600	NIGERIA	NBC Sokoto	fair with EE news over the BBC.	DL
6195	0905	UNITED STATES	KGEI Voz de	Amistad with SS Nx. Good over Chile.	BC
6200	0332	ALBANIA	Tirana	good with news at this time.	PR
7098	1210	NEPAL	Radio Nepal	with Nepali ident //3425 ex 5007. Goonetilleke/	
7108	1402	THAILAND	Thai TV,	Bangkok with western music finally hrd. BW. UADX	
7135	0530	FRANCE	ORTF Paris	with Mailbag prgm for Africa. Good.	CS
7180+	2245	MALAYSIA	BBC Tebrau	with Chinese prgm at good level.	EC
7190	0300	YEMEN	DEM. REP.	Aden opens in Arabic, mixed VOA.	TM
7200	0452	UNITED KINGDOM	BBC Wooferton	fair with Nx and comment.	JF
7215	1715	GREECE	Athens	opening tx in Greek. Fair 28/8.	JM
7215+	0545	ANGOLA	Radio Ecclesia	in PP with Advts, pops. Fair level. Behr NASWA	
7215	1224	BRUNEI	fair in EE	with local requests. Nx at 1315. BH 1015 in CC. DW	
7220	0700	AUSTRALIA	RA Shepparton	new freq s/on vg //9760, 77885.	MC
7225	0425	RWANDA	DW Kigali	in Swahili. EE from 0430, poor 18/8.	JM
7250+	2000	VATICAN	Vatican Radio	with Holy Rosary.	DW
7280	0415	YEMEN	DEM. REP.	Sanaa with AA Mx prgm. Poor till fade-out 0440.	JM
7280	0700	AUSTRALIA	RA Shepparton	on new freq to Europe. QRM DW 7285.	MC
7300	1845	EAST GERMANY	RBI Berlin	logged in English.	BW
7340	0330	ESTONIAN	SSR Tallinn.	Light mx & talks, good. Lang Finnish?.	AK
7405a	2000	USSR	Unid in Russian	lang s/on then severe jamming.	NG

<u>FREQ</u>	<u>TIME</u>	<u>COUNTRY</u>	<u>STATION</u>	<u>PROGRAMME & RECEPTION DETAILS</u>	<u>INITS</u>
9505	0845	PHILIPPINES	FEBC	good with SW Mailbag till NHK on 0855. 1240 good in Vietnamese.	PR NR
9515	0934	MALAYSIA	Radio Malaysia	with Malay prgm. Fair only.	NR
9525	2120	INDIA	AIR New Delhi	good in EE //9912.NR.2010 good.CS.2110.	DW+
9530	0230	SPAIN	RNE Madrid	vg in SS. NG 1555 excellent in Spanish.	CS
9560	2129	RYUKYU IS.	VOA Okinawa	s/on in Korean. Good but QRM HCJB.	NR
9595	1050	JAPAN	NSB Tokyo	poor with English language lessons.	IW
9605	1030	JAPAN	Radio Japan	Latin Am. Svce retimed from 1/9 //11705.	NR
9615	1000	PHILIPPINES	DUH4	PBS News, fair.	AC
9635	0904	SINGAPORE	Radio Singapore	fair in Chinese. Also noted 1304.	NR
9670	2048	PORTUGAL	IBRA	Radio via Sennes. Good with religious prgm.	PR
9695	0200	GREECE	VOA Kavala	s/on in EE. QRM DW Cologne. NG 0328 s/off id.	DL
9715+	1835	KUWAIT	Radio Kuwait	with EE news and music, very good.	DW
9720	0445	USSR	Radio Moscow	super signal with 15 min EE to Africa.	MC
9745	2205	INDONESIA	RRI Merauke	good with "Warta Berita dari Jayapura".	NR
9820	0740	NORTH KOREA	Pyongyang	good level in EE. Listed 0600-0800.	NR
9825	0235	GREAT BRITAIN	BBC London	good in EE to Africa.	PG
11413m	1100	CHINA	China Press Broadcasting Station	s/on with "East is Red"/	
11620	2000	INDIA	AIR good with Nx. PR 2039	Delhi with Sitar Mx, good.	DW+ SG
11705	0520	FRANCE	OTTF Paris	nx & cmt for Africa in EE. Poor.	CS
11725	0235	SRI LANKA	Radio Ceylon	good in EE with pops and advts.	MR
11740	2100	INDIA	AIR very good with EE nx. DW+ 2220	Gen. O'seas Svce s/off	CS
11755	0420	RUMANIA	Bucharest	EE to Nth Am. New freq fair 1/9.	JM
11765	2100	BULGARIA	Radio Sofia	opens at fair level in EE. NR. Fair to Af.	MC
11770	2000	UNITED STATES	WYFR Family Radio	poor in English.	JM
11780	2108	BRAZIL	Radio Nacional de Brasilia	in EE mixed RNZ. Both good. 2124 ex 15245kHz poor under RNZ 30/8. BC 2140 s/off 2200, fair	NR JM
11800	0206	SRI LANKA	Colombo All Asian Service	good mixed Canary Is.	NR
11830	0114	Ryukyu Is	VOA Okinawa	opens in EE to Asia at fair level.	NR
11840+	0800	PHILIPPINES	AFRTS Philippines	fair reception. (35kw S.E. Asia)	EC
11845	2356	HOLLAND	Radio Nederland	poor signal in Spanish.	LA
11850	2100	NORWAY	Oslo	EE ident under RA. MC. 0500 EE ident, fair.	CS
11855	2145	CANADA	RCI Montreal	vg with DX prgm for Europe.	JS
11860	1900	TAIWAN	Taipei	good in EE to Europe. Retimed from 1800?	BH
11865	0527	ETHIOPIA	ETLF Radio Voice	of the Gospel good with news.	PR
11880	0600	MEXICO	XERH	with SS prgm. Apparently reactivated. Noted to 0800	JM
11925	1900	SOUTH KOREA	Seoul	good in EE with Nx. BH 0630 poor in EE.	MC
11945	2200	SPAIN	RNE in SS to Americas //11776	at vg level. Has DX prgm "CQ, CQ llamada General" at 0205 Mon. NR. 2200 opening EC+ 0234 good on this new frequency to Latin America.	JM
11965	0230	LEBANON	Beirut	fair in English.	JA
11970	0100	AUSTRALIA	RA Shepparton	in EE to Nth Am. New freq ex 21740.	CC
12025	0400	ISRAEL	Jerusalem	vg with Nx in EE. AR 12050 exc 0340. Jammed 4.	TM
12035	0900	NORTH VIETNAM	Voice of Vietnam	vg in EE //10040 till 0930.	NR
15130	0930	HOLLAND	Happy Station, Lopik	fair in EE. New freq 1/9.	JM
15165	2157	DENMARK	Copenhagen	s/on in EE & Danish, very good 22/8. 2200 poor with EE idents before Danish transmission.	CS AR
15185	2033	FINLAND	Helsinki	fair with talk on folk mx. CS 2040 good in EE till s/off 2100. Annd EE to Nth America at 2300.	NG
15220	2300	HUNGARY	Radio Budapest	surprisingly good signal. MC 0250 DX prgm at exc level till abruptly off 0252.	NG
15240	1500	YUGOSLAVIA	Belgrade	good in EE to Europe with News.	BH
15260	2300	ACENSION	IS BBC Atlantic Relay	with World Nx, good.	AC
15290	0019	PHILIPPINES	VOA with Breakfast Show	at good level //15250, 15210, 15205, 15175. NR. 2315 Greenville good. (Phil. listed)	JF
15355	0005	UNITED STATES	KGEI new freq in SS. Don't confuse with TWR	BOINAIRE also in SS on 15350.	NR
15370	0200	TAIWAN	VOFC Taipei	fair level in EE till 0350.	NR
15490	1912	ISRAEL	IBA Jerusalem	poor in EE till 1945.	JM
17845	2009	UNITED STATES	WYFR Oakland	religious prgm in EE //15440.	PR BH
17930	0200	PAKISTAN	Radio Pakistan	vg to Indonesia with mx prgm.	AK

ARTHUR CUSHEN'S SHORTWAVE REVIEW 15

On September 1 the Spring schedule of international stations came into operation with the result that we list several new frequencies which will be used for the next two months by these stations. Reception generally has shown an improvement during darkness and the higher frequencies are showing some activity.

ALL TIMES GMT

ALL FREQUENCIES KHZ.

ANTARCTIC: American Forces Antarctic Network at McMurdo Sound operating on 6012 with 1 kw, 24 hours a day has been heard around 0630. Reception is best on Sunday when the VOA on 6015 does not sign on until 0730. The station has typical AFRS programmes and is operating on shortwave in order to increase the coverage of its programmes to the wintering-over parties at the South Pole and other isolated areas at which Americans and New Zealanders are stationed.

Brazil: Radio Nacional and Brasilia has returned to 15245 with a reduced schedule to Europe, with Portuguese at 1900, German 2000, and English 2100. As from 22 August 15245 has been replaced by 11820.

Canada: CKZN 6160 St John Newfoundland has been heard at 0900 with CBC news and sports, followed by music.

Cyprus: The BBC Eastern Mediterranean relay is testing on 3989 and carries the World Service from 1800 to 2115.

Ecuador: HCJB will transmit to the South Pacific from 1 September on 6130 from 0830 - 1000; 9745, 0715-1045; 11915, 0500-0830. To North America a new frequency 5970 is used 0030 - 0700. To Europe 6080 is used 0715 - 0830 in parallel with 9760; 15315 is used 1730 - 1800 and 15300 from 1900-2030, and the entire period in English is also carried on 17705.

Great Britain: BBC World Service to the Pacific from 1 September is now 0545 to 0730 on 5975 and 7150; 0545-0915 on 9640 and 11955.

Japan: Radio Japan has been heard on a new frequency 15270 from 2345 to 0045 to North America. The frequency is blocked by Peking up to 2358. The programme is also carried on 15445.

Papua/New Guinea: A new station is Radio Central District at Port Moresby on 3290 with local programmes at 0900 instead of the network news carried by other NBC stations.

Philippines: DUH4 on 9615 is heard with the PBS News 1000 - 1015 followed by the Sundown Show. The programme is also carried on 3286 and 6170. The stations announces the MW call as DWIN on 1500 khz.

Seychelles: FEBA are still operating with 30kw as permission to increase to 100kw has yet to be granted.

USA: The VOA service to Oceania: 1100-1200, 5955, 9730. from Dixon and 6110 from the Philippines. 2200-0000 on 9545, 15290 from the Philippines, and 17820 and 21610 from Dixon.

Venezuela: Radio Nacional on 6170 opens at 1000 with anthem and music.

Yemen: Aden has been heard with and English announcement at 1800 on 11770.



..sign off..

WHAT IS RAMADAN? Ramadan is the month of fasting in the Moslem religion, during which Moslems pay special attention to the rituals of their religion and fast from daybreak to sunset. Ramadans of 20 or 30 years ago had many more festivities than today, when urbanisation and industrialisation has put an end to such celebrations, but radio and TV try to make up for it. Ramadan is celebrated throughout the Arabic World and begins this year, for a month, from 18 September.

SCDX "DXpost"

INTERNATIONAL WATERS. Abi Nathan's "Voice of Peace" which was heard last year with 50kw on 1540kHz from the Eastern Mediterranean, by League members, may be reactivated. An unconfirmed report states that \$142 million(!) has been raised to finance resumed transmissions. Bernard Chenal via SCDX

RADIO AFGHANISTAN advise in a circular letter that QSL's will only be sent for correct reports with IRC's. Others will be mentioned in the Listeners Letters programme. English schedule is 1130-1200 on 15195kHz to Europe and 1400-1430 on 4775 to South Asia.

Oliver Goonawardene UADX.

QATAR. A second 250kw SW transmitter is to be used by Doha, feeding dipole arrays to give coverage to the Middle East, North Africa and Europe.

market square

WANTED TO BUY: Preselector 520kHz to 30MHz coverage, or MW Booster, suitable for Eddystone EC10 Mk II. Send detail and price to N. Clover, 22 Fenwick Crescent, Hillcrest, Hamilton.

WANTED TO BUY: Back copies of NZ DX Times required by Magcom, June 1973 and October 1973 issues. Please advise price to Box 2956, Wellington.

NIGER & LIBYA have agreed to establish a broadcasting service with the name "The Voice of Islam for Africa", with Libya supplying finance.

Bernard Chenal SADX.

ARGENTINA. Radio Excelsior now uses the shortwave frequencies of Radio Splendid - 5985, 9740 & 11880kHz.

Swedish Radio Club.

New Zealand Radio DX League

ADMINISTRATIVE OFFICE.

F.O.Box 1313, Invercargill.

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

EDITORIAL OFFICE.

F.O.Box 2956, Wellington.

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

Closing date for contributions:-

First Wednesday of the Month.
Advertising: 50 cents up to 30 words. Other rates on request.

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

POLISH PATHFINDERS current schedule, according to a verification just to hand is Weekdays, except Mondays on 6850kHz 300w 1700GMT and Sunday at 0900-1700GMT. A second frequency, 7306kHz 300w is also used.

Dene Lynneberg

ANTARCTIC UPDATE. Another League member has QSL'd AFAN McMurdo 6012! W.R. Carter, Station Manager advised that the H.F. signal is simultaneously keyed with the FM (100MHz) transmitter, used for local broadcasting to McMurdo and NZ's Scott Base. The callsign for the station was changed last Summer from WASA to AFAN (American Forces Antarctic Network). At this time they have no plans to change frequencies due to the approach of daylight.

Tony Marr.

ADIEU RNI? The Dutch Parliament has passed a law prohibiting provisioning and advertising on the offshore station -s Radio Nordsee, Caroline & Veronica from 31 August. Sweden Calling DXers.

SWAZI MUSIC RADIO is due to test 100kw during September on 3223, 3930, 6155kHz

Richard Ginbey SCDX.

BANGLADESH has the following English transmissions: 0445-0515 on 17690 and 15445kHz; 1230-1300 on 15520; 1815-1900 on 9550, 11640 and slow speed news 1900-1915 on these two frequencies. The 0445 service is beamed to Middle East, all others to Europe.

Tony Marr.