



NEW ZEALAND DX TIMES

Registered at P.O.H.Q. Wellington as a magazine

CONVENTION 77

Start making your plans now to attend perhaps the largest gathering of international DXers ever held in New Zealand, advises the latest news release from the Canterbury Branch. Indications are that DXers from several Australian States, Hawaii, California and Canada will converge on Christchurch over Easter weekend 1977. A full programme is being developed for DXers including a visit to

the studios of Radio Avon, and a picnic at historic Akaroa. With the latin season in full swing, DX action will focus on the Americas with special broadcasts and calls. We can promise some elusive DX for both shortwave and medium wave DXers. Excellent facilities will be available at the site on Banks Peninsula, and host branch Canterbury will provide food, accommodation and transport throughout the Convention period. For those travelling by air, 10% concession vouchers for NAC travel will be made available. Those travelling by car will also be pleased to know that any surplus funds will be dissipated amongst visitors to help reduce costs.

The auction of radio gear and other items looks like becoming another Convention tradition after its success this year, so start putting aside those odd items that you think will attract the best bids and bring them along to Convention '77. Set your own reserve price.

Bedding will not be provided at the site, and if you cannot bring your own sleeping bag, they will be available for hire at \$3, which should be sent with your registration fee. Convention '77 period is from Friday 8 April to Monday 11 April and the all-in registration fee is just \$12.

Early registration is recommended, and indications are that spaces will soon fill. Registration deadline is 15 FEBRUARY 1977
(see page 7)

MUCH INTEREST IN DXCURSION PRICE DROPS

The appeal of DXCURSION AUSTRALIA '77 is very evident from the steady stream of enquiries and enrolments coming into Box 3160, Wellington. The Australian devaluation has worked in our favour, and we are now able to offer the 16 day package for \$825 - a drop of \$55! Our agents and Australian DXers have been busy too, and Keith Glover has things under way in Melbourne, Shepparton and at Alice Springs - as perhaps you heard on a recent "Club Forum" programme. The Australian Radio DX Club, Down Under DX Club, and Southern Cross DX Club are also offering DXer hospitality so a tremendous welcome is expected. As Harry Weatherley says: "With the DXCURSION not far away, your Melbourne DXing friends are once again looking forward... (Page 7)

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

2 FROM THE BRANCHES

SOUTHLAND The November meeting was held at Wyn Machon's with 11 present. Discussion covered the setting up of a sub-committee to work on the 1978 Convention. The branch Christmas Party will be held at the Framptons on 14 December, while the January meeting will be a DX evening at Tiwai on Tuesday 25th. Competition results: BCB to Sutton Burtenshaw with EAJ24 Spain 1475 2kw and HJTU Colombia 1360 1kw. SW Over 9: Wyn Machon DW Cologne 21560, Under 9: Paul Aronsen Warsaw 3955.

NORTH OTAGO The October and November meetings at the Listening Post were well attended, and a welcome was extended to prospective new member Karl Townsend. Wire is on hand and poles are arriving for a new aerial network, which hopefully will be in operation early next year. Younger club members are busy with exams and we wish them well. Final get-together for the year will be a barbeque picnic on 12 December. Competition Results: Paul Rosie with 1ZU, John Blondell with 3NE, Paul Ormandy with TIFC Costa Rica 1075 and CMKV Cuba. Paul Ormandy also won the SW awards with Galei Zahal Israel, Jordan 11810 & Prague 6055. Next meeting at the Listening Post on the last Thursday in January.

LEAGUE COUNTRIES/POINTS LIST

Extensive amendments have been advised by the Adcom Countries Committee, and a complete reprint will be commenced shortly. Ian C. this contains all the info for calculating best-of-month entries. By virtue of their geographic separation from Papua New Guinea, Admiralty Islands (Radio Manus) are counted as a separate country. We hope to have the revised publication out early next year.

VALUABLE MAP FOR DXERS & SWL's

Map N.Z.M.S.47 showing Great Circle Distances and Azimuths from Wellington to all parts of the world at a scale of 1:90,000,000, may be obtained from the Department of Lands & Survey, through their branch offices at Whangarei, Auckland, Hamilton, Rotorua, Gisborne, New Plymouth, Napier, Wellington, Nelson, Hokitika, Blenheim, Christchurch, Dunedin & Invercargill, for only SIXTY CENTS. Mail orders are handled by: Map Sales, Lands and Sales Dept, District Office, P.O. Box 5014, Lambton Quay, Wellington. Allow extra for postage costs.

John Ridge

COMORO ISLANDS: The island of Mayotte, which remained French territory, following independence of the other islands, will have 4kw BCB transmitter on either 557, 1420 or 1457kHz from January 1977. B.Chenal WRTVH

LATE LATE BCB MAILBAG: New contributor ALAN GILMOUR Greymouth has a QSL from Israel 737. Write David Ricquish c/o P.O.Box 18560, ChCh.

PACIFIC ASIAN REPORT

AUSTRALIA 3EA Melbourne does not answer reception report correspondence. I have discussed the matter with their Manager and Chief Engineer, and they do not expect to be in a position to reply to DX reports for some time yet. H.Weatherley 5AU reports should be sent to P.O.Box 496 Port Augusta, S.A.5700, and not to the Whyalla address in the WRTVH. Reports to South Australian Advertiser Network stns 5SE and 5PI can go direct to Mount Gambier and Crystal Brook respectively, rather than to Adelaide key station 5AD. Address for 5SE is Box 99, Mt Gambier, S.A. 5290. John Allchin

Further to the October item regarding 4AY's repeater at Charters Towers, the new station will transmit 132hrs weekly, including 20hrs locally originated programmes. Robert Crawford SDC

2LT advise, in a QSL letter from Bill Warren, Station Manager, that they are increasing power to 5kw directional, not 2kw as previously planned. 4MK causes interference in their outer fringe coverage area, but the Queensland station will be changing frequency. 2LT hopes to have new power by April 1977. John Allchin

NEXT MONTH: REVIEW OF THE PAST YEAR'S DEVELOPMENTS ON THE AUSSIE BROADCAST BAND AND PLANS FOR THE FUTURE.

More Pacific/Asian BCB News on page 6.

MAILBAG Late Arrivals: ANDREW WHITE ChCh has QSL'd 2YX and 1YW. ALAN ROBSON ChCh makes a return with QSLs from WVUV, WOAI, KXYZ 1320, KABC, 3XB 1230. Welcome back! DAVID RICQUISH ChCh has verified KIIS on 7750. Alaskan trail: KHAR 590 once under KGMB 0815, KYAK with KORL 650kHz 0825, KICV 850 strong at 0815 on news. Cool!

BROADCAST DX with Bryan Clark

3

NZ provides the lead items this month. From out of the blue, 2ZE Blenheim 1540 joined the RNZ 'Tonight Show' commercial network on 11 November, and is now on the air every night EXCEPT SUNDAYS. How long this arrangement will last is any one's guess! Other programming changes, per David Ricquish: 3ZA Greymouth now runs on previously-silent Sundays, meaning 750kHz is now blocked every day. 3ZM Christchurch is being relayed by 3ZA on Sunday afternoons, while aforementioned 2ZE runs through the afternoons now with a relay of 2ZN Nelson. 3YW Westport 1460 now relays 3ZA Greymouth on the same basis as the 4ZB/YW/YQ network, because the BCNZ cannot afford an additional transmitter at Westport or Reefton.

Radio I 1XI 1590 have advised John Aliehin that they are definitely changing to 1330kHz, with the move taking place sometime after Christmas.

4XB Radio Queenstown are printing special QSL cards for their September broadcasts, hence the delay with verifications, reports Ash Nallawalla.

Gospel Radio Fellowship's RADIO RHEMA has been granted a further short-term licence at Christchurch over Christmas/New Year. The extended transmission has been specially authorised by the Minister of Broadcasting, in anticipation of hearings by the new Broadcasting Tribunal early next year to consider applications for permanent non-commercial stations. A special audience research survey has been ordered by the BCNZ for the transmission period, which is 24 December to 2 January next. Radio Rhema 3YG will transmit on 1230kHz with a power of 400 watts, from 6.00am to midnight NZDT daily, except for a continuous transmission period through New Years Eve. Reception reports are requested to Radio Rhema, P.O.Box 2420, Christchurch, and an attractive new QSL card has been printed.

The League's Canterbury Branch is actively involved with the station, providing international news from shortwave sources, several 5 minute DX programmes (watch for these around 9.15pm) and a tentative 15 minute slot at 7.30pm one night for a special DX feature. David Ricquish will be on the newsroom staff.

1230kHz has been chosen as a frequency because 'it catches people changing from Radio Avon 1290 to 3ZB 1100. Unless an acceptable alternative frequency is suggested, this is the frequency that Rhema will seek to occupy on a full-time basis. DXers wanting to preserve 1230 as a clear channel for 250 watt Yank reception should let Rhema know a more appropriate channel!

After October's highlights, the past month has been one of fairly high noise levels, very subdued signals from across the Tasman, and a chance subsequently to hear North Americans after NZers leave the air. Across the Tasman, member Ernie Moore has caught Caribbean Radio Lighthouse 1165, and your Ed has just received the first down-under QSL from them.

Another new radio country which should be heard here next year is Cayman Islands. Radio Cayman 1555kHz 10kw is now on air & well heard throughout North America. Sign-on is at 1200 GMT and signoff at 0400. The Turks & Caicos Islands have 1.5kw on MW now, and have been heard stateside on 1548kHz varying to 1552.4kHz. Info per Ron Schatz NRC.



CARIBBEAN RADIO LIGHTHOUSE

P.O. BOX 1057

ST JOHN S. ANTOUA

BEST OF THE MONTH

SENIOR 1st Equal to Ray Crawford & Sutton Burtenshaw, Invercargill.

EAJ24 Radio Cordoba, Spain 1475kHz.2kw

No entry in Junior Section.

Before looking into the mail for this month, here's hoping all members have a peaceful and happy Christmas & New Year. Thanks for your interest during the year.

MERV BRANKS Invercargill is first up with reports away to 2CN, 3MP, 2GN, 3EA, WHAS, KZAM 1540, KIPA & KPFE. Veries in from Tuvalu, 4QY, 6WN, 2CN, 3MP & KZAM - their only NZ report. We've missed out!

LYALL MATHIESON Paeroa has QSLs from 2SM, ZE, JJ, CY, HD, NC, NX, KO, NA, NR, CR, NU, GL, 3AR, LC, WV & 7ZL. Think your 'SY' is an image of aeronautical beacon around 1605kHz or longwave. I get spur on 715kHz.

BRYAN CLARK Wellington has reports to WSZC Truk 1300 and KFAX. 2 new countries verified: Paramaribo, Surinam 725 and Caribbean Radio Lighthouse, Antigua 1165.

ARTHUR CUSHEN Invercargill has a good logging - WTVR 1380. QSL Tuvalu 580.

STAN LARKING Whakatane has the good QSLs this month: Lisbon 665 & 1034, HLDA. Thanks Stan.

PAUL ORMANDY Oamaru boasts a QSL from TZA, with reports out to KXEL, WCBS 880, KDIA, KHVH, KGMB, KEX, KGBS, KOOL, KGA KFAX, KING, KKIS, Vila 1421. Good luck with latter - they don't seem keen to verify on MW.

JOHN ALLCHIN Auckland advises varies in from 5SE, 2CC, XL, MO, WN, 4JK, TO, 5AU 3AK, UZ, 2LT 1380, VOA Thailand 1580. Thanks for Aussie & 'I' news John.

HARRY WEATHERLEY Victoria has logged 3EA, CFRN, KFAC, KCEY, XEBEC 1470, DYLA. QSLs from CFRN and 3EA following visit to the station. All the best for the festive season Harry. Am looking forward to my Yaesu. Your footnote not highlighted as stated so hope I have it right.

GORDON HUTCHISON Kaiapoi has QSL'd 2NU, 7ZL, 3WV. Good luck with holiday listening Gordon.

RAY CRAWFORD Invercargill rests on his laurels with a fine collection of veries: EAJ24 Cordoba Spain 1475, DW Malta 1570, Tarawa 844, 3MP, Czech 1016 & Dushanbe 1295. Wishes reciprocated Ray. Keep the candle burning!

HANK WILKINSON California is proving his new Santa Rosa location with logs of Jumbo 545, DYLA 1555, HLCB, BED24, Thailand 715 & Cayman Island 1555. Varies from Jumbo and BED34 660kHz. Will be looking for Caymans next year Hank. Will write as soon as able re yr queries. Pyongyang erratic replier at present, USSR needs to be foreign lang transmission; currently domestic prgms seem unverifiable unless report goes in RR! Best wishes.

IAN CATTERMOLE Blenheim is catching the Yanks with reports out to CKWX, KFRE, KOMO, KFAX, KSL, KGMB, KMPS, KPOL, KGA KNBR, KNEW, KJJJ, 4BU, YQ, 3YZ, 2YA, YB, 2ZG, 1ZD. QSLs from 2YB, YA, ZG, 3YZ, 4QD, YQ, 5PI, KMPS, KGA, CKWX. A good month Ian considering noise level.

ASH NALLAWALLA Dunedin, recovering from exams, has QSL'd 7AD, 5SE, All India Radio 930. Thanks Ash.

4

DX SPECIALS

Special DX programmes being aired for American DXers, info courtesy of NRC's DX News & IRCA's DX Monitor.

MONDAY 20 DECEMBER

0500-0700 GMT WDCR Hanover, NH.
1340kHz, 1kw/0.25kw. NRC
0830-0900 WECO Wartburg, Tennessee
940kHz 1kw NRC

MONDAY 27 DECEMBER

0730-0800 GMT WNNO Wisconsin Dells,
Wisc. 990kHz 0.5kw. NNRC
0800-0830 KOKO Warrensburg, Mo.
1450kHz 1kw/0.25kw. NRC

MONDAY 3 JANUARY

0530-0545 WNBV Newberry, Mi.
1450kHz 1kw/0.25kw NRC
0630-0730 WTSO Madison, Wisconsin
1070kHz 10/5kw NNRC

MONDAY 10 JANUARY

0730-0830 GMT WGLB Port Washington,
Wisconsin 1560 0.25kw NNRC

ROBIN CHAMBERS Opunake takes a rest this month with just 3 reports away to KMPS, KIPA 620, 6TZ. Varies: Mersing 1055, Jumbo 545, KIFA, Samoa 1050, "avreOverijze Belgium 926. Very good Robin - an occasional break is good for the ears, hi! Thanks for the fine support over the past year.

CHRIS MARTIN Sydney reports another quiet month with logs of 2JN, WA, BE, NA, 3CS, 7BU, SD, Dubai 1248. Varies from Arusha 1214, Cluj 1151, 2JN, WA, BE, NA, 3CS, 7BU, SD, 5SE, TIPJ 1225, HJJDZ 1075 Dubai 1248, Tuvalu 580 & Jumbo 545 for country 126. Countries duel with Ray and Ladder Comp. victory over me!

LEIGH MORRIS Palmerston North has QSLd Singapore 790, KTWO, KPOL, ZK1ZC 600 and CKLG. Reports away to KKIS, KIOE, KFAB, KTWO, KRMG, KABC, KRLLD, WBZ, KSCO. Hope that last one correct Leigh. My secretary wrote it as KFFO! Seasons greetings.

PAUL EDWARDS Wellington has celebrated exam successes with reports to KTOM, KELI, KKON, CFRN, CKLG, KFRE, KNEW, CFON, KOA KOMO, KFAB, KKIS, KFAX, KIRO, KMPC, KEX, KNDI WBZ, KWKH and KABC. QSL'd are KKON, CFRN Israel 737, CFON, CKLG, KTOM (V/s Lloyd Carr, Prgm Director), KFAX. Congrats!

SUTTON BURTENSHAW Invercargill has verified EAJ24 Spain 1475, 3MP, Iraq 1038 and a single report out to 2GM 1370.

PAUL RAWDON Lower Hutt has also been up late to log KKIS, KNDI, KNBR, KWKH, KFAX & CFUN. Lone reply from 6BS. Merry Xmas to you too!

BROADCAST TRAIL 5

1190 KEX 1200 past 1455 fair-gd. PE PC
1530 KFBK very good with News 1255. PE

EVENING

590 CMW still dominant here 0847. BC
KGM B exc 0748 'KGM Super B'. PE PO
680 KNBR relig prgm, fair 0808. PR
710 KMPC vg with Fiji looped 0740. PE
770 KOB excellent, regular 0750. PE
JOUR better than KOB 0808. BC
790 KKON contemporary mx, 0725. PE
940 KFRE under 2ZA 0747. PE
1030 WBZ poor with phone show 0741. PE
1040 KHVH good, news format 1107. PE
1080 KRLD now 'beautiful mx' 0855. BC
Unid Asian good 0852 1/12.00? BC
1110 KFAB 'Serenade in the Night' id
at 0729 $\frac{1}{2}$, poor. PE
1170 KVOO excellent regular 0756. PE
1190 KEX very good all night. PE
1200 WOAI fair-good 1130. Aussie loop-
1270 KNDI mixed JOFR 0805 jazz./ed. PE
0758 ident, advt, then jazz. PE PR
1310 KDIA 'American Farm Bureau' re-
port, briefly 1156. PO
1330 JOSF good 0851, no Aussie! BC
1410 CFUN news thru 2YM poor. PR. Time?
1421 YJB1 Vila 0856 tremendous het. PO
1430 KELI 0702 service anct, wx. PE
1300 WSZC poor 0858 in dialect. EE
country mx prgm 0930. BC
1450 WSZD 0815 local news in EE. BC
1510 WLAC very good 0806. PE
1540 KXEL good over KPOL 0708. PO
1578 Portugal still here, peaking
0758 2/12, better than KDAY! BC
1580 KDAY good with mx, advts 0850 PE

REMINDER: Items in the previous month's Trail are not usually repeat-ed unless significant or reflecting say, changed programming etc.

MORNING

580 KMJ good signal 1415 9/11 RCh
620 KIPA signs on 1500. MB
650 KORL vg with pops all morning. PE
710 KIRO & KMPC alternately 1328. PE
940 KFRE exc 1415. RCh. Vgood 1204. PE
960 KOOL 1429 soft music, good. PO
2 Yanks mixed 6TZ 1420-1430. RCh
1000 KOMO 1352 poor, ABC news, wx. PE
1020 KGBS fair 1406 womens prgm. PO
1040 KHVH 1229 'Your News & Inform-
ation Station', then CBS Mys-
tery Theatre. PO. 1302 nx, good. PE
1060 CFCN often fair 1305, ident, mx. PE
1080 KIOE vg over another 1535. PE
1090 XEPRS good in SS 1259 $\frac{1}{2}$. PE. 1248
under KING weather. PO
1100 KFAX fair-good with religious/PE
prgms 1303-1400 & ids. PR. BC. PO
1130 KWKH country mx, frequent ids
1235. CBS Nx on Heart, poor. PR
1206 news, poor & fading. PE
CKWX at 1411. Much fading. PE

ERNIE MOORE's AUSSIE TRAIL 22-28 NOV.

Heard by Ernie at Coolum Beach, about
80 miles north of Brisbane, Queensland
818 Batra Egypt AA talk 1755.
1050 JOAR good in JJ with talks, mx 1830
1088 USSR in RR with choral mx 1806.
1100 WSZO island vocals, ident 0731.
1150 XEJP likely the excited SS 0832.
1160 Strasbourg with FF talk 1901.
1160 USSR in RR, choral mx, mixed France
1133 Kuwait with EE news 1731.
1165 Caribbean Radio Lighthouse, Antigua
1001 23/11 with hymns, rlg talk.
Severe splash local 4MB 1170.
1220 CKDA good with advt 0845.
1310 JOUF good signal in JJ 1905.
1322 USSR with talk in RR 1846.
1331 Rome with mx. Apparent nx 1900.
1350 KIVM Island music 0747.
1376 Lille in FF, pop vocals 1811.
1376 USSR Vladivostok? orch mx, RR 1820
1390 KCEY in PP 1403. EE Wx, 0813-0836.
1440 JOWF in JJ with pop vocals 1850.
1600 KUBA fairly weak, weather 1455.
Unid Yank in SS from 1508 28/11.
JRM another (KUBA?) & Philippino.

MAILBAG continued....

NORM MAGUIRE Hawaii has varies from
KYYI, KCRL, FJB, JOKB, CBR, VOA Philippines
1115 and Sabah 1475 (cntry 58, after
14 months). Reports to CBR, JOKB 1600
and VOA Philippines 1115 off frequen-
cy or testing on 11 Sept for 3 days.
Now back on 1140. Good luck on your
mainland visit & better health!

ERNIE MOORE Queensland advises the
results of his latest DX holiday at
Coolum Beach. Reports to JOAR 1050,
XEJP tent 1150 (I'd agree), WSZO 1100,
CKDA, Rome 1331, Lille 1376, KCEY, KUBA
plus first Aussie reception Antigua
1165! Vidin 1223 logged in Brisbane.
Make sure you call by in Wellington
Ernie - promise you a Latin, hi!

BCB NEWS FROM EUROPE BBC MS (c)

Albania: Radio Tirana 1457 relays
Peking's external service in Turk-
ish from 1730 to 1800 GMT.

Radiodifusao Portuguesa's 1st Prgm
is carried all night on 1250, 719,
692, 665, 620, 566 and 577kHz.

France: Marseilles 1241 & Nice 1554
now carry France Culture prgm ex
1349. Nice 1349 now carries the con-
tinuous prgm formerly on 1554. Lille
1241 now on 1070, Nancy 1241 now on
1070, Toulouse 1241 moved to 1160.

PACIFIC ASIAN REPORT

INDONESIA RRI transmits or will be transmitting on the following MW frequencies: 540 Bandung 10kw, 585 Surabaya 100kw, 630 ?? 100kw, 720 Ambon 10kw, 756 Furwokerto 10kw, 801 Semarang 10kw, 810 Merauke 10kw, 845 Bandung Regional, 855 Medan 100 kw, Mataram 10kw, 864 Cirebon 10kw, 927 Pekanbaru 50kw, 954 Kendari 10 kw, 963 Jember 10kw, 972 Surakarta 50kw, 990 (hrd on 999.Ed) Jakarta 300kw, 1008 Madiun 10kw, 1052 Jayapura 10kw, 1080 Singaraja 7kw, 1098 Sumenep 10kw, Jambi 10kw, 1107 Jogjakarta 10kw, 1116 Biak 10kw, 1134 Banjarmasin 50kw, 1170 Semarang 50 kw, 1185 Tanjung Pinang 5kw, 1206 Denpasar 10kw, 1215 Samarinda 10kw, 1233 Pontianak 50kw, 1251 ?? 10kw, 1287 Palembang 50kw, 1323 Malang 10 kw, 1530 Padang 10kw.

WRTVH via DSWCI via SDC

CAMBODIA

Phnom Penh's Domestic Service has been heard on 1360kHz // to 6095 & 4000kHz on shortwave. BEC MS(c)

SRI LANKA TWR is to begin tests on 890kHz with it's 400kw MW transmitter. Programming will be in Indian & South Asian languages, except for English, Sinhala & Tamil, which are prohibited by contract terms.

V.Goonetilleke WRTVH Newsletter

NEW ZEALAND 4XO 1210 is to seek an increase in power to 5kw. Tune In Radio Rhema has been granted a building permit for a new tower and transmitter building. Hopefully the tower will not have nylon guys like the first one. Within weeks it was hit by lightning, the guys melted, and the tower toppled over, completely wrecked! Craig Crawford. More on 3XG's Christmas/New Year broadcasts: The aerial is expected to be 200 foot vertical. Operation has been granted under Section 87 of the old Broadcasting Act to gauge public reaction to full time Christian radio stations in NZ. Gospel Radio is one of several commercial & religious organisations that have applied for permanent warrants under the new act which becomes effective on 1 January 1977. Radio Rhema plans to broadcast initially from Christchurch, Auckland, & possibly Wellington, with other stations to form a nationwide network in due course. David Ricquish

6

TV X
FM D

AUSTRALIAN FM
NOW BEING HEARD
IN NZ!!

TV/FM DX SEASON
DEFINITELY HERE

TV X
FM D

Brian Oliver of Kerikeri has the honour of being the first NZer (that we know of) to DX Australian FM stations. Between 0640 and 0715 GMT on 22 November, ABC FM Radio was logged on about 93MHz. This is probably the 50kw Sydney outlet on 92.9. On 1 December 2 ABC stations were heard plus a brief appearance by a private FM station at 0900 GMT around 91MHz. Identity of this was not established. Brian has also been regularly observing Aussie TV with reports to TVQ0 and ABQ2. QSL in from TVQ0 already. A 5 element ch3(NZ) aerial is used for TVDX; a 5 element FM antenna is almost constructed. Further info from Brian will appear just as soon as space permits.

Bryan Clark Wellington, armed with an English J-beam 4 element wide band FM aerial, followed an Australian FM signal from 0221 to 0230 GMT on 28 November. The frequency was approximately 92.5MHz, suggesting 3MBS-FM Melbourne on 92.4. No ident was heard unfortunately!

Paul Ormandy Oamaru has verified TV2 Auckland Ch1, TV1 Oamaru Ch6 and TV1 via Hedgehope Ch1. Report to TV1 Alexandra.

Fred Humphries Wellington has written a very good article on photographing TVDX. Once again, publication as soon as space allows.

RADIO CAPPING, a pirate FM station was heard in Auckland 30 April to 4 May. Pity they're not on during the TV-DX season!

COOK ISLANDS has FM! Operation of a 1w FM transmitter on 94.8MHz by a local radio businessman has been approved. Vertical polarisation is used and programming consists of recorded cassette music. Aim is to promote FM broadcasting in the islands. Chris Martin

2ARM-FM UNEA Radio, a cooperative run by the University of New England, Armidale, NSW 2351, was due on air mid-September with 100w on 92.3MHz. Sked 0700-1400 on weekdays, 2300-1400 Sat/Sun. C.Martin

ABC-FM NETWORK address is Box 2451, GPO, Adelaide 5001. Transmitter sites are Sydney - Gore Hill, Melbourne - Mount Dandenong, Adelaide - Mt Lofty, Canberra - Black Mountain. Prgs include (times in Aust. Eastern Local Time) Morning Music 6am, Morning Concert 9am-noon, Afternoon Concert 2pm, Evening Concert 6pm, also jazz, folk, opera, drama, rock mx and national news. via Bruce Williams

CONVENTION

Continued from front page.

Early in March all Conventioneers will receive full details concerning their personal arrangements for transport, accommodation, etc.

Send \$12.00 now and be sure of a place at Convention '77!

DXers from Australia, America, and Auckland to Invercargill will be there along with some big names in the world of radio. Be sure you don't miss out by registering now, on the form distributed with this issue of the 'Times.'

Any inquiries should be addressed to:

Convention '77
N.Z. Radio Dx League
P.O. Box 18560
CHRISTCHURCH, N.Z.



The U.S. Government is reported to have asked for permission to build a new radio station in Britain to beam news and propaganda behind the Iron Curtain. It would be linked to the RFE network, and will apparently lead to the closure of a smaller station outside Madrid. (Radio Liberty, Playa de Pals? Ed) The Foreign Secretary seems ready to give approval, but the Prime Minister is said to be wary of the project. Alan Thompson

Listeners Notebook, FRENDX.

market square

FOR SALE

Hammarlund HQ200 8 valve communications receiver. General coverage. Very good condition. Price \$260 or near offer. Write: Paul Edwards, 25 Donald Street, Karori, Wgtn 5. Telephone 766-364.

DXCURSION

NOW

\$825

Continued from front page

...to the pleasure of meeting and entertaining you. We have very happy memories of the March 1975 DXCURSION - the Healesville sanctuary trip, and the farewell night at Mt. Waverley when the local members were supported by Chris Martin, Sydney, and Keith Barton from Adelaide. Three of our Radio Australia friends, Keith Glover, Dick Williams, Gordon Cairns and their wives also came along, and with fellow DXers from the Down Under DX Circle, and ARDXG a wonderful evening - and early morning - was had by all. Friday 6 May 1977 has been earmarked as the date for another such get-together and on this occasion we are expecting Hawaii and Canada to be represented. If you want a Yaesu-Musen FRG7, your early registration will ensure purchase at the right price. Maybe an Astrad, Barlow Wadley, Realistic DX160, or Drake SPR4 is on your shopping list - they're all available! You've got a fabulous itinerary for a never-to-be forgotten experience. Drop a line to Tony King, and I'll look forward to seeing you on Friday 6th May in Mount Waverley!"

Harry Weatherley
Harry Weatherley.

- DXCURSION AUSTRALIA '77 departs N.Z. 4 May, returning on 19 May.
- + Melbourne (tour, RA, shopping etc)
 - + Shepparton (RA, 3SR, Milawa winery; DXCAPADE !!!)
 - + Murray Bridge, Port Augusta, Coober Pedy, Victory Downs, Ayers Rock (2 nights) Alice Springs (3 nights)
 - + Sydney (FM radio; sightseeing; DXer hospitality.)

If you haven't a brochure - write now!

DXCURSION
P.O. Box 3160
WELLINGTON

BROADCAST

LEAGUE LADDERS

SHORTWAVE 8

DIVISION	Jun	Dec	Inc	Cnt	DIVISION	Jun	Dec	Inc	Cnt
GOLD STAR(over 1250)					GOLD STAR(over 1250)				
Norman Maguire	2858	2873	15	58	Arthur Cushen	4273	4333	60	228
Arthur Cushen	2207	2215	8	141	Dene Lynneberg	1976	2062	86	186
Merv Braks	2090	2101	11	132	Ray Crawford	1260	1291	31	147
Keith Robinson	2056	2065	9	110	John Mainland	1236	1270	31	177
Laurie Boyer	1270	1285	15	94	GOLD ACE (1001-1250)				
GOLD ACE(1001-1250)					Ray Babbage	1205	1210	5	121
Ray Crawford	1043	1077	34	126	Bryan Clark	1074	1101	27	167
SILVER ACE(751-1000)					John Durham	1052	1089	37	127
Sutton Burtenshaw	843	858	15	92	Bill Huddleston	973	1014	41	117
Robin Chambers	-	833	-	-	ACE (501-750)				
ACE (501-750)					Lindsay Robinson	723	743	20	115
Dene Lynneberg	679	696	17	83	Jack Searle	685	740	55	103
Chris Martin	470	520	30	126	Des Davey	608	730	122	-
David Ricquish	488	506	18	47	Laurie Boyer	632	647	15	109
SENIOR (301-500)					Eric McIntosh	612	645	33	110
Paul Aarsen	414	432	18	-	Keith Rogers	-	584	-	114
Ray Babbage	391	397	6	30	Paul Aronsen	500	562	62	-
Bryan Clark	371	393	22	79	SENIOR(301-500)				
Hank Wilkinson	387	389	2	69	Paul Ormandy	339	457	118	104
INTERMEDIATE(151-300)					Jim Benzoni	438	451	13	88
Lance Johnston	-	277	-	-	Austin Hadler	410	451	41	73
Paul Ormandy	244	269	25	40	Lance Johnston	-	391	-	-
Jim Benzoni	237	-	-	22	Alan Robson	373	374	1	74
Lindsay Robinson	201	203	2	26	Bruce Cavanagh	332	362	30	91
Des Davey	168	170	2	-	Steven Greenyer	306	339	33	122
Jack Searle	144	162	18	18	Brent Allred	168	338	170	50
Ash Nallawalla	142	158	16	17	Paul Rawdon	271	319	48	103
JUNIOR(51-151)					Cecil Symes	257	307	50	67
Paul Rawdon	126	139	13	17	INTERMEDIATE(151-300)				
Bruce Cavanagh	122	124	2	19	Bill Vogel	217	258	41	100
Gay Johnston	-	115	-	-	Paul Edwards	181	244	60	109
Andrew White	114	123	9	13	Wyn Machon	162	235	73	63
Ian Cattermole	-	108	-	12	Jack Farrow	223	230	7	46
John Allchin	74	104	30	7	JUNIOR(51-150)				
Graeme Hammond	97	100	3	11	Ian Cattermole	-	142	-	45
Leigh Morris	-	94	-	22	Alex Wellner	114	140	24	70
Stuart Forsyth	60	67	7	5	Ian Wells	121	125	4	56
David Feldon	59	61	2	8	Leigh Morris	-	125	-	61
Jack Farrow	50	52	2	4	Gary Butler	118	120	2	59
NOVICE(1-50)					Graeme Hammond	109	110	1	27
Steven Greenyer	41	44	3	24	David Feldon	95	101	6	27
Gordon Hutchison	-	41	-	3	Gay Johnston	-	94	-	-
Brent Allred	-	20	-	2	Peter Mott	61	80	19	35
Alex Wellner	14	16	2	4	Ash Nallawalla	60	64	4	32
					Andrew white	60	61	1	28
Now the various winners. Broadcast					NOVICE(1-51)				
Gold Star:Norman Maguire &Laurie Boyer					Gordon Hutchison	-	48	-	22
Gold Ace:Ray Crawford, Silver Ace:					Stuart Forsyth	-	22	-	9

Sutton Burtenshaw, Ace: Dene Lynneberg,
Senior: Chris Martin, Intermediate;
Paul Ormandy, Junior; John Allchin,
Novice: No Winner....

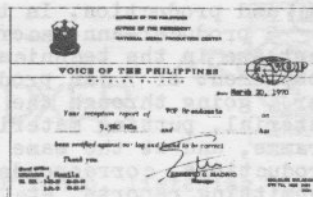
A considerable number were taken from the ladder this period due to no totals being forwarded. Also some notes are continuing to arrive after the closing date. These will only be included if space is available.....Held for Feb 77: A. Robson(MW), A. Gilmour.

SHORTWAVE Gold Star: Dene Lynneberg, Gold Ace: John Durham, Silver Ace; Bill Huddleston, Ace: Des Davey, Senior: Paul Ormandy, Intermediate: Brent Allred, Junior: Alex Wellner. No Novice section winner..... Congratulations to the winners. Hope to hear from you again in Feb.

Ray Babbage.



RADYO PILIPINAS STILL ON THE AIR.



On a recent visit to the Philippines, League member Dene Lynneberg called on the Voice of the Philippines in Manila, and was royally treated by the staff. In this first article of several based on his trip, we present an in-depth view of VOP, based on literature provided by the station.

"The Voice of the Philippines (VOP) is the name given to the composite radio services of the National Media Production Center, the official information gathering/disseminating agency under the Office of the President. It is made up of two services, namely, the home or domestic service, and Radyo Pilipinas, the overseas service.

At home, through it's network of rural stations spread widely across the country, VOP's principal function is to act as mouth-piece in the dissemination of development information. Its aim is to inform, educate and render service to the public, to make them think, act and behave in the interest of the nation. Abroad, VOP through broadcasts and sustained correspondence, is committed to make the Philippines known, to augment national efforts in foreign relations, to promote tourism and to contribute to international endeavours in the attainment and maintenance of peace and amity.

The main studios and offices of the Home Service are in Intramuros, Manila, while the facilities of Radyo Pilipinas are located in historic Malolos town in Bulacan, some 42 kilometres north of Manila.

The Voice of the Philippines was established in 1969, following acquisition by the Government of the Voice of America complex in Malolos, after a series of negotiations between the Philippine and American governments. The facilities included transmitters and rhombic towers for shortwave transmission. Both VOP services were equipped to operate with a power of 50kw, on frequencies of 920kHz medium wave for domestic and 9580kHz for overseas.

From the beginning, VOP has adopted a flexible programming pattern consistent with developments. So it is that since its inception, VOP has constantly undergone changes and innovations in programming dictated by commitments at home and abroad.

Today, among the main thrusts of government policy are those of tourism and foreign relations. Consequently, VOP's programmes have been re-evaluated and re-directed to conform to the requirements of the national objective. Whereas the Home Service allots minimal air time in support of the objective, Radyo Pilipinas entirely devotes it's programming to it. 'Halina sa Pilipinas' ('Come to the Philippines'), 'The Philippines Today', 'Philippine Economic Digest', 'Musika sa Pilipinas' ('Music from the Philippines'), 'Rural Philippines - these are just some of the programmes aired by Radyo Pilipinas. They tell of the Philippines and it's people. They incise deep into the character of the race, its culture, traditions, political system and economy. They aim to inform as well as motivate. An seen against the light of its technical and logistical position, Radyo Pilipinas has had more than modest success.

Utilising vintage 1946 equipment and facilities, it has had to keep constant repairs and meticulous maintenance of these resources. It has had to operate on only the one frequency - 9580kHz - because of the lack of a vital tool, a frequency counter. It has had to concentrate all its meagre power of 50kw on a single beam at a given time. It has had to borrow outside equipment or use other stations' facilities in producing sensitive material. An it has had to operate without monitoring stations or personnel in the areas serviced.

No less difficult than the technical problems are the questions of personnel

⑩ and production. In the present set-up, Radyo Pilipinas has a complement of 5 producer-announcers, one librarian-researcher and a traffic officer. The rest are in the technical staff of VOP. Given these figures, one wonders how a complement of 7 can produce regular programmes (three to ever producer-announcer), going through the usual phases of research, collation and evaluation of material, putting material in script form, to the actual voicing of the programme, and at the same time attending to a myriad of other duties like special productions, correspondence, attending meetings, travelling to and from Malalos, submitting reports, etc. It is difficult and exacting.

Against the forgoing difficulties, the staff of Radyo Pilipinas have managed with surprising results. Feedback from listeners has increased tremendously in recent years, now totalling 1500 letters a month, from a scant 50 or so letters previously. Since 1972, the the tourist campaign went into high gear, over 60 Radyo Pilipinas listeners from different countries have visited the Philippines as the direct result of on-the-air "come-ons". And today, more schools and embassies abroad are engaged in information exchange programmes with Radyo Pilipinas. The amount of goodwill gained from these is immeasurable.

These achievements, though not spectacular or readily discernible, are something to be proud of. Radio Radyo Pilipinas staffers are not crowing. They are far from satisfied. They are certain that much more could be achieved. They recognise the optimum possibilities in Radyo Pilipinas and the advantages that it could bring to the country. They have visions of Radio Pilipinas being as big and efficient as NHK, or even the BBC! They bewail the fact that other people do not.

Radyo Pilipinas personnel are not easily discouraged. They are used to difficulty and feel that sometime, changes will have to happen, and they want to be there when they do. In the meantime they just tirelessly toil on, aware of the responsibilities of their job and their commitment to a cause."

(Ed's note: We wish the dedicated staff of Radyo Pilipinas every success in their task and note the marked similarities between their operation, and the trials and tribulations of our own Shortwave Service.)



CURRENT SCHEDULE - 9580kHz 0657-0954 GMT daily to Japan, Korea, Taiwan. 0957-1154 daily to Indonesia/Malaysia area. 1157-1354 daily to Indo-China area. 1357-1654 Mon-Sat (to 1554 Sun) to Nth. Am. 1657-1854 Mon-Sat to Moscow/Nth Europe.

Photograph at VOP transmitter site, Malalos.
Dene Lynneberg - centre, flanked by Linda Villeno (Program Traffic Officer) - left, & Tessie Pedroche (Librarian Researcher) - right.

Part VI of a series by Brian Oliver, Kerikeri.

**TV X
FM D**

AURORAL PROPOGATION. This involves the reception of signals from the auroral curtain in the southern skies, usually at acute angles. There is marked auroral activity during ionospheric or magnetic storms, and provided high gain aerials are used, pointing to the south, results should be obtained on Bands I and II. Distances up to about 1200 miles can be expected and reception is generally characterised by very rapid fluctuation, with distortion and smearing due to multi-path effects. Auroras follow seasonal patterns, being most common around the equinoxes - March & September, although they may occur at any time.

although they may occur at any time.

STANDARD TIME & FREQUENCY STATION WWV will be dropping the frequencies of 2500kHz, 20000kHz and 25000kHz from 1 February 1977, for economy reasons. On the brighter side, as the result of 'public response', WWV resumed it's geoalert broadcasts at 18 mins past the hour on 1 October. NASWA Frenx



ARCHIVES

CYRIL BLUTCHER - - PIONEER DXER



11

ARCHIVES

48 years ago a young man and his wife sat at their radio, listening to KFON in California, and thus began several years of pioneer DXing. Recently I had the pleasure of meeting Cyril Blutchter and his wife Iris, now living in retirement in Auckland. It all began back in 1927, when Cyril read in the "Radio Record" of KFON being heard by listeners in NZ. In due course Cyril also heard KFON and thus began his serious DXing.

Cyril's listening was done from Waihopo, north of Hohora in the far north of New Zealand, in the period from 1928 until 1932, when the Depression forced him to give up the hobby. During these years Cyril collected over 120 verifications from stations around the world, with many others heard but not verified. Many foreign stations could be heard but there was difficulty in identifying them due to lack of an accurate receiver dial, knowledge of foreign languages and the non-availability of callbooks.

Amongst Cyril's fine collection of verifications were: CJOR and CKWX with 100 watts, CKMO 50 watts, KVL 50 watts, WJTL Georgia 100 watts, and many 250 watters. Some of his early veries have calls which are still heard today: KMOX, KWKH, KGA, WLAC, KOMO, KEX, KSL, WLS and WBEM. The old Ekko stamps featured on many verifications, and also of interest were cuttings from American newspapers reporting the distant reception of their local stations. In those days there was great public interest in all aspects of radio, including DXing. Two other verifications of interest were from experimental stations 3XN Bell Telephone Laboratories, New York, and 9XF Great Lakes Broadcasting Company, Chicago, both testing their new high power 50,000 watt transmitters.

Even more remarkable than Cyril's great collection of broadcast band veries is the fact that Cyril had kept his original DX receiver, and in immaculate condition. He originally purchased a Hammarlund Roberts 2 valve kitset from Johns Radio Ltd, Auckland. The R.F. and detector stage worked well, and two further valves were added: a first and second audio. The final set comprised 4 UX199 valves. To think that 50 watt Yanks could be heard on the likes of this set is hard to believe, when one looks at the receivers we use today. However the antenna Cyril used was more similar to those used by DXers in recent years: an 800 foot beverage running N.E. and supported by 8 foot poles.



Cyril Blutchter reminisces at the controls of his Hammarlund Roberts receiver

The earliest radio item Cyril possessed was a copy of the "Wireless Broadcast News" of 20 November 1923. There is no mention of ECB DXing but there were listeners reporting hearing Hams from the States. Cyril also had copies of the weekly publication "Radio Record" dated January & February 1929, and in these were both ECB and SW DX reports, including notes

from Cyril. This magazine was the forerunner of the "Listener" and gave programme details of the four YA stations. Transmission hours were 3pm to 10pm daily, with each station having one silent day a week - great for DXing!

continued over.....

12) Also in Cyril's DX material was an early callbook, the "International Radio Atlas", published in 1928 by station KWKH in Louisiana. This book lists most of the broadcasting stations of the world at that time; the majority being Yank 250 watters. There are Yanks listed with very low powers of 30, 15, 10, and even 5 watts. The frequency of 1490kHz had 11 Yanks: two K's and nine W's. California had 58 broadcast band stations, Florida had 13.

Iris, Cyril's wife, was very familiar with the early DX scene. Waihopo was a very isolated settlement and in those early days listening to the radio was one of the few pastimes available. She proudly told me that it was she who first tuned to CJOR.

Cyril's radio and collection of verifications is now safely under the care of the NZ Radio DX League Archives at Oamaru and are a most valuable addition to the growing collection. They were featured in a display held in conjunction with the League AGM in October, and attracted considerable attention. We all commend Cyril on making his valuable collection of verifications and his historic antique radio available to the League. I feel that, without a doubt, these items will be the most interesting and valuable exhibits that the DX Archives are likely to acquire. We salute one of the pioneers of our hobby, for it was men like Cyril who laid the foundation of the DXing hobby.

BARRY WILLIAMS

BBC / DW Caribbean Relay

The new high frequency relay station on the Caribbean island of Antigua was primarily designed to improve reception of the BBC's World Service and vernacular language programmes in East & North East South America, Central America and Mexico, with similar improvement to Deutsche Welle's service. BBC and DW set up a jointly-owned company - The Caribbean Relay Company, to own and operate the station. This is the first time that the BBC has been involved in a joint project of this nature with another broadcasting organisation.

During the early planning stages of the project, surveys were carried out in most of the Leeward and Windward Islands, in order to select the optimum site. The island of Antigua was chosen because of its geographical location in relation to the service areas to be covered, and also because sufficient level ground was available for the transmitting site. A further advantage was that Antigua has a developed infrastructure, including an international airport and a deep-water harbour. The island is situated in an area which is subject to both hurricanes and earthquakes, and the buildings and masts have therefore been constructed accordingly.

The installation comprises a receiving and transmitting station, situated 4 miles apart, with interconnecting circuits. The BBC's Engineering Division was responsible for design, construction and equipping of the transmitting station and also for construction of the buildings and antennas at the receiving site. Deutsche Welle were responsible for the design and equipping of the latter.

The transmitting station occupies a 240 acre site near the village of Sea View Farm, in the centre of the island. Due to the limited capacity of the public electricity supply, diesel alternator base-load generating equipment has been installed, with each transmitter receiving power from its own generator. As the station will be operating for a maximum of 16 hours a day, only one stand-by generating set is provided, but facilities enable one generator to supply 2 transmitters operating at reduced power, under emergency conditions. Four 250kw Marconi HF broadcasting transmitters, type B6122 (as used by BBC Atlantic relay, Ascension Island) have been installed, and 2 transmitters together with 9 HF dipole curtain transmitting arrays will be used by each organisation.

The receiving station occupies some 60 acres of land near the coast, at Mercers Creek in the north-east of the island. A single rhombic receiving antenna provides for reception of programmes broadcast from the UK and Germany, and the station is designed to provide 4 programme networks, 2 for each organisation.

From "Communications & Broadcasting", with acknowledgement to Marconi Communication Systems.

Shortwave Mailbag with Tony Marr

13

A number of veries are reported this month from Antigua, and Gordon Hutchenison says he has finally succeeded in QSLing Albania after 6 attempts....proof indeed that perseverance eventually wins! Here's hoping that Christmas and 1977 bring lots of good DX, and QSLs too. My thanks for all the kind Christmas wishes, and I would like to wish you all a very pleasant Christmas, a restful holiday, and a peaceful and prosperous 1977. Now, to the mailbag,

RAY CRAWFORD Invercargill is first away with veries in from RNE 6005 Atlantida 4790 Manus 3905 Chad 4904.5 AIR Gauhati 3375. Ta.

ARTHUR KINDELL Levin has no new logs, but has QSLed Belize 3300 Penang 4985 Rhodesia 3396 RA 15240. Good ones there, Arthur.

PAUL ORMANDY has a big list of veries from Tunis 11970 DW 6145 RNE 15365 6120 9505 11810 11730 15440 Moscow 7290 WLV15 15425 Sweden 11705 11955 Bangla 17890 Oslo 11860 11870 15135 RN Bon 9630 RN 10045 Praha 6055 RA 7290 15410 Norea/Bon 15275 ORF 15435 17850 11890 Lisbon 11875 11865 Malaysia 15275 ORU 21460 Sofia 9745 Jordan 11810 Pakistan 11880 Thai 7115 BBC Antigua 6175 Hungary 11910 Veritas 15200. Yes, you've been busy again.

JOHN DURHAM Meremere has them back from Veritas 9610 Brasil Central 4985 Thai 9655 RN Bon 9630 FEBA 9725 BBC Antigua 6175 RNE 6075.

FYN MACHON Invercargill has QSLed Cuba 15230 Brasil Central 4985 Chad 4904.5 Sofia 9700 DW 21560 7150 Espana Indeg 10110 FEBC 21515 YJB4 3945.

DAVID FELDON Moterua has been busy with study, but has a loner back from RNE 9505 with a pennant. That's certainly better than none.

HARRY WEATHERLEY Victoria has sent 9 away, and has QSLed RBI 15135 and NHK 15310. They all help.

IAN WELLS Milton has two from HAI 5990 and RN 9630.

ALAN ROBSON Christchurch returns to our pages with advice of QSLs from VOFC 11825, 15370, IBA 9815, 5950, 5900 TWR Bonaire 11925.

ALAN GILMOUR Greymouth makes a welcome appearance in our pages, with 13 reports out & replies from IBA 7412, DW 17715, Malaysia 15290 and Oslo 15135. Just made it Alan!

BRYAN CLARK Wellington starts our 2nd column with 6 out, and QSLs in from RA 6760 515 Oslo 6015 Vila 4975 Paris 21700 RA/ANDXC 15410.

IAN CATTERMOLE has been pretty busy, and reports QSLs in from Finland 11705 Atlantida 4790 VLZUV 1750 Brasil Central 4985 NHK 15130 6030 Peking 7005 RA 7290 15355 17870 9550 VOA 5955 6080 9730 DZH6 6030 Tirana 11895 BBC 9705 BBC Asc 6005 RN Bon 9630 Ecos Combiema 4575 Cuba 15230 IBA 10045 West N. Britain 2340. A good list.

STAN LARKING Whakatane has 6 out, and has had success with RSA 4675 RNE 11945 11965 7190 Penang 4985 Vila 3945 ELWA 3227 11950 after 12 months Lagos 7275.

DENE LYNNEBERG Wellington has a fair list with 19 away, and veries from DW Malta 21650 Kigali 15410 P2T4 4890 DZF3 15235 RNZ 6015 NHK 5960 WTLF 4905 Oslo 11895 Finland 15270 15205 Sweden 17770 SSB with 30kw AWR via SLB3 7190 IBRA/ Malta 6000 Clarin 11700 HJFD 5040 RRI Tanjung Karang 3395 Congo 3232 LRA04 6180 OCK4W 4762. Some goodies there.

PAUL EDWARDS Wellington has reported 8, and QSLed Gran Colombia 4912 plus a pennant RNE 6065 also with pennant RRI Pekanbaru 5885 WTLF 6015 Dakar 4890 Thai 9655 Union 6115 and pennant BEC Antigua 6175 DW 11905 Brunei 7215.

KEITH ROGERS Lower Hutt has 14 out, and QSLs from Chad 4904.5 Algiers 7245 RSA 4875 Brasil Central 4985 Mongolia 6383 Zaracay 3390 and pennant Iran 9022 and pennant RNE 11880 11945 6065 6120 11730 also with pennant Liberty 11770 KGEI 9615 RN Bon 9630 15320 Sweden 9605. Pennants very nice.

BRUCE CAVANAGH Invercargill has QSL'd Pyongyang 9768, VOA Tinang 11715, VOA Colombo 7110, BEC Antigua 6195 (letter from David Gallop).

Shortwave Mailbag

AUSTIN HADLER Christchurch has 25 out, and has heard from ORU 9745 DW Malta 9570 RFI 9530 11720 11890 TWR Monaco 7215 ORF 7135 RN 11930 Bon 9630 Bucharest 6155 Sweden 9605 IBA 9435 12045 AIR 9525 CBC 11845 Malaysia 15290 Finland 15205

BILL HUDDLESTON Auckland has 13 out and QSLs from RA 15355 9515 7290 RFI 11205 RNE 6075 Sweden 15120 ORF 11855 Finland 15110 Chad 4904.5 RN Bon 9630 Athens 6140 NHK 15420 Oslo 15135 plus a flag. Thanks, Bill.

PAUL RAWDON Lower Hutt hasn't sent any away, but has QSLs in from FEBA 15185 Ince 4762 and Springbox 3250.

STEVEN GREENYER Invercargill has had replies from VLH1 11880 Kenya 4915 Gwelo 3396 Inca 4762 HJGG 5095 Mendoza 6180. Thanks.

GORDON HUTCHISON Kaiapoi has 5 out, QSLs from RNE 11880 DW 9650 11905 NHK 11875 VLI6 6090 Moscow 15250 7100 7150 7250 VLM4 4920 Warsaw 7270 9675 Peking 7035 plus pennant ORF 6015 plus car sticker RA 7290 11780 11845 Albania 7090 Kiev 7290.

JOHN MAINLAND Wellington has verified AWR/Malta 9585 RNE 11730 TWR Bon 15445 Andorra 6230 DW Antigua 9545 5960 9690 Sweden 17775 RA/ARDXC 9580. Andorra a goodie.

PAUL ARONSEN has 2 out, and QSLs in from DW 6185 RSA 3995 Warsaw 3955.

JOHN CAMPBELL NSW has some good ones back this time with Chimbu 2376 Sumbawa Besar 3105 Maputo 3210 Frunze 4010 Mauritius 4855 DUH2 6170 Philipinas 9580 Channel 292 6232. I guess that last one would be one of the British pop pirates?

BRENT ALLRED Motueka has them from RN Bon 11730 RFI 7135 DW Malta 11865 Milne Bay 6040 RA 5995 15160 7290 9760 15320 Cuba 11760 plus sticker Moscow 7320 15130 15250 ...more...

ALEX WELLNER Sydney has 4 reports out for the month and a lone QSL from Budapest 15160. Don't think Kigali on 17780 at present Alex.

14 BRENT ALLRED continues his series with Pakistan 17830 NHK 17000 KGEI 9620 HCJB 6130 9760 IBA 12045. Good luck with the job. I'm in the radio game, if I can be of any assistance.

BRUCE WILLIAMS Wellington has 5 out and one back from Vatican 11740. Ta.

BILL VOGEL Adelaide has 4 out, and QSLs from RFE 6115 RFI 5955 RNE 9530 RN Bon 9630 Manus 3905 HCJB 6130. Thanks, Bill.

WAYNE LAWRENCE Waipukurau has logged 11 and has verified RCI 9655 9570 IBA 12045 9435 9009 Moscow 9500 9650 Tahiti 11825 Peking 7035 11445 Hanoi 15012 NHK 9605 9670 FEBC 11920 RA 11780 11725 7290 7235 DW 9765 RNE 11880 with a pennant. Send a self addressed 9" by 4" envelope, and we will photo copy the pages you want, Wayne.

ARTHUR CUSHEN Invercargill has verified TWR Bon 15445 BBC Antigua 9765 Athens 11875 KGEI 15355 Sweden 21670. Regards to you both.

DES DAVEY Te Kuiti has 8 out, QSLs from DW 9545 11925 Budapest 11940 RNE 11775 9630. Hope the FRG7 works out OK.

JACK SEARLE Haumoana has verifies from Tashkent 11730 Kiev 11690 7390 RA 17870 IBA 12045 RNE 6100 9530 11880 Penang 4985 BBC Antigua. Very good.

LINDSAY ROBINSON Invercargill has them from Brasil Central 4985 TWR Monaco 7110 Singapore 9635, and there are 8 reports away.

LEIGH MORRIS Palmerston North has 3 out, verifies from RN Bon 11780 Oman 11890.

MASAMI ONIZAWA Japan has QSLed Brasilia 11780 Iran 9022 RNE 9580 6100 11920 9570 9505 TWR Monaco 11800 Uganda 9730 Kenya 4915 ETLF 11910, and there were pennants from TWR and Iran. Very good.

ASH NALLAWALLA Dunedin is awaiting a new receiver, and has a lone QSL back from P&P 11830. More soon, perhaps.

BEST OF THE MONTH

OVER 9MHz

Stockholm, Sweden 21670kHz 30kw
102 pts ARTHUR CUSHEN

UNDER 9MHz

RTC Brazzaville, Congo.
3232kHz 4kw
131 points.

DENE LYNEBERG

SHORTWAVE BANDWATCH

coordinated by John Mainland

15



In the last Bandwatch for 1976, we have news of an apparent new frequency for Radio Reloj de Costa Rica; FEBA Seychelles has been heard on 2 new 9MHz frequencies; Radio Afghanistan and WINB have new 15MHz channels; and radio Sweden's single side band transmissions with a 30kw transmitter is heard on 16m. Christmas greetings to all our contributors, and thank you for your support.

ALL FREQUENCIES IN KILOHERTZ. TIMES ARE GMT (add 13hrs for NZDT).

<u>FREQ.</u>	<u>TIME</u>	<u>COUNTRY</u>	<u>STATION</u>	<u>PROGRAMME & RECEPTION DETAILS</u>	<u>INITS</u>
2623	0600	COSTA RICA	Radio Reloj fair with SS mx, many idents. Noted on 16/11 only. LR. 0800 new freq in // to 4832. Teleprinter QRM.	AC	
3300+	1100	GUATEMALA	TGNC Radio Cultural ident in SS, rlg mx, fair.	RY	
3380+	1135	ECUADOR	Radio Iris HCDY4 fair with Latin American vocals.	RY	
3550	1444	INDONESIA	RRI Kupang fair in Indonesian past 1515.	PE	
3955	1800	POLAND	Radio Warsaw with relay of Home Programme.	AC	
3970	0708	GREAT BRITAIN	BBC London with news. Fair signal.	FA	
4764+	1550	INDONESIA	RRI Medan with EE pops. Indonesian id 1557, fair.	BV	
4845	1809	MAURITANIA	Nouakchott good in AA at this time.	PE	
4870	0623	BENIN	Cotonou hrd at poor level with FF talks, indigenous mx.	SL	
4885	1612	KENYA	Nairobi with koran readings, poor due teletype. 1832 poor-fair in vernacs with anncs, idents, mx. EV+ (Note new locale)		
4890+	2015	SENEGAL	Dakar with nx, comment. Poor in FF with CW QRM.	BV	
4920	0453	ECUADOR	Radio Quito poor with het from Brisbane. SS prgmg.	PE	
5010	0507	PERU	Radio Eco to s/off 0600 19/11. Good with music prgm.	PE	
5015+	0830	USSR	Vladivostok with Radio Moscow prgm, good.	AW	
5095+	1000	COLOMBIA	Radio Sutatenza fair with mx & idents, noisy.	MO	
5880	0600	ISRAEL	Jerusalem with time sigs & nx in Hebrew, fair.	JM	
5960	1016	JAPAN	NHK Tokyo to Sth America in JJ & SS. Fair thru Vladivostok on same frequency.	DL	
5960	0530	ANTIGUA	Deutsche Welle relay in EE to 0550. AC. 0534 relay EE.	BCa	
5968	1011	INDONESIA	RRI Banjarmasin with Koran. Poor-fair in Indonesian.	PE	
5975	0430	GREAT BRITAIN	BBC World Service in EE, good.	CS	
5980	0724	USA	KGEI San Francisco with news broadcast.	DF	
5990	1700	JAPAN	NHK Tokyo good with General Service in EE and JJ.	BH	
5990	1130	CANADA	BEC relay via Sackville vg in EE with World Service.	DL	
5995	1700	AUSTRALIA	RA good with nx. Also 11965 at 2245, 17860 at 0037.	DF	
6000+	1040	BRAZIL	PRK25 Radio Inconfidencia fair in PP. Brazilian vocals.	RY	
6006+	1143	COSTA RICA	TIHB Emisoras Radio Reloj with SS ident, mx, good.	RY	
6015	0450	AUSTRIA	Vienna with cntry in EE. Poor with bad QRM.	CS	
6015	1100	NEW ZEALAND	RNZ exc in EE with relay of National Prgm & Cricket commentaries. Used when on extended sked for Cricket Tests. 0845 5/12 strongly here in error, foiling search for McMurdo!	BC	
6025	1800	PORTUGAL	Lisbon good with news in English.	CS	
6030	0830	USA	APRTS via Bethany, Ohio fair with interviews.	DF	
6040	0455	EAST GERMANY	RBI Berlin s/off in SS with ident, poor.	CS	
6055	0524	COLOMBIA	Radio Pacifico fair with mx. Heavy QRM from VOA.	LR	
6060+	0832	ARGENTINA	Radio Nacional fair - best Latin in Japan.	MO	
6080	2044	MALTA	IBRA Radio via Radio Mediterran, EE gospel prgm, fair.	DL	
6100	1600	YUGOSLAVIA	Belgrade hrd with int. sig, EE id & anncs. Also at 1830 and 2000. Poor. QRM from Deutsche Welle & others.	CS	
6105+	1147	MEXICO	XEQM Su Pantera with SS ident, Mexican mx, fair.	RY	
6110+	1830	HUNGARY	Budapest fair in Turkish with ident and news.	BV	
6135	1959	BULGARIA	Sofia in AA to 2017. Poor on new frequency 20/11.	JM	
6165	0720	SWITZERLAND	SEC Berne EE in European Svce. Good to s/off 0730.	JR	
6175	0604	GREECE	Athens EIRT fair with Greek mx to s/off 0615. Mxd Antigua.		
6195	0529	EAST GERMANY	RBI int. sig & GG news. Fair, new frequency 2/12 JM/JD		
6195	1100	ANTIGUA	BBC World Service relay s/on annc. BL. Nx mixed Tebrau. AC 6175 with World Service fair at 0715.	HW+	

<u>FREQ</u>	<u>TIME</u>	<u>COUNTRY</u>	<u>STATION</u>	<u>PROGRAMME & RECEPTION DETAILS</u>	<u>INITS</u>
6230	0700	ANDORRA	with FF anncts till 0705, then popular mx prgm.	Very difficult logging due to poor signal. Sundays only.	JD
7065	0640	ALBANIA	Radio Tirana	fair with commentary.	DF
7080	1932	CHINA	Radio Peking	fair in English. Side band QRM.	JS
7085	1815	PAKISTAN	Radio Pakistan	to Turkey with EE Nx. Good signal but slight teletype QRM 13/11.	JR
7190+	1935	YEMEN	PDR. DYBS Aden	with AA chants & talk, good.	RY
7210	0410	ETHIOPIA	ETLF Addis Ababa	poor in English.	PE
7210	0700	SWITZERLAND	ICRO Red Cross	test prgm, poor with co-channel and side band QRM.	JS
7265	2018	WEST GERMANY	DW Cologne	good in AA //9545 poor. S/off 2020.	JS
7360	1930	UKRAINE	Radio Kiev	fair in English to the USA.	JS
7460	0418	ISRAEL	IBA Jerusalem	good in Hebrew.	FO
9009	0507	ISRAEL	Jerusalem	with news in English, good.	JR
9022+	1935	IRAN	Teheran	with FF news, idents & music. Fair.	MO
9360	0407	SPAIN	RNE Madrid	excellent in SS for South America.	IW
9410+	2209	GREAT BRITAIN	BBC World Service	good signal.	HW
9425	2000	ISRAEL	Jerusalem	EE nx. AC. Fair //7412. Reported on 9435 by BBC.	BH
9490	0220	USSR	Peace & Progress	in SS. S/off with ident 0230. Fair.	CS
9505	2130	SPAIN	Madrid	EE service but mixed with other stations.	AC
9510	1800	SEYCHELLES	FEBa	fair to poor in AA and EE. Hrd till 1855.	BH
9510	0600	FRANCE	Paris	with FF news and music. Fair, new frequency 16/11	JM
9525	1016	SOUTH KOREA	Radio Korea	good in EE with Mailbox prgm.	IW
9535	0058	CANADA	RCI Sackville	s/on in EE poor. Fair in SS 0130. Mxd AA.	DL
9545	0400	ANTIGUA	Deutsche Welle	relay s/on with EE & GG ident, good. PE Good in GG. HW+ 0405 vg in GG. PO. S/off 0520 with EE id.	JS/TW
9555	0600	GREAT BRITAIN	VOA Woolferton	relay with African service.	AC
9560	0700	SWITZERLAND	SBC	good in EE. BL. New frequency in EE to NZ.	AC
9570	0420	ROUMANIA	Radio Bucharest	with Sporting Roundup, weak.	DF
9575	2205	NETH. ANTILLES	TWR Bonaire	new freq in FF to 2220 s/off 16/11.	JM
9580	2340	ASCENSION	IS. BEC Atlantic	Relay with World Service, fair.	DL
9620	1830	YUGOSLAVIA	Belgrade	with EE news, fair // to 6100.	BH
9635+	0145	BRAZIL	ZYR236	Aparecida with sports event in PP, fair.	RY
9635	1935	CANADA	Radio Canada	International in EE to West Europe, vg.	JR
9640+	0230	ANTIGUA	DW	relay in SS to Sth America, good. Also on 9735 at 1100	JM
9645	0700	VATICAN	Vatican Radio	fair with EE Mass. LR / HW	HW
9645	0220	BRAZIL	Radio Bandierantes	fair with PP sports cmtry, mxd unid.	DL
9665	0600	ECUADOR	HCJB	with GG rlg prgm to 0630. New freq 13/11, fair.	JM
9670	0900	MALAYSIA	BEC Tebrau	relay with World Service news.	AC
9690	0558	ANTIGUA	Deutsche Welle	BCa. Opening in EE, then GG prgm. AC GG nx, BEC co-channel QRM. BV+ JS. 0830 good. LR. 0930 vg in GG. HW+	AC
9695	0150	SWEDEN	Stockholm	in SS to 0755, then ids in various langs, fair.	CS
9725	0310	SEYCHELLES	FEBa int. sig.	Swahili 0315, EE 0330. Poor, mixed with Berne on this new freq. JM. 0315 EE ident, poor then Swahili for East Africa. JD Good but mixed SBC 0330. PE. 0330 EE rlg. DL	DL
9730	0507	SAUDI ARABIA	Riyadh	with id in AA prgm to 0530. Fair.	JM
9740	1800	PORTUGAL	Lisbon	fair with EE service.	BH
9745	0645	MALTA	Voice of Hope	prgm heard on Sundays.	AC
9760	0900	GREAT BRITAIN	BBC Skelton	100kw s/on with W.S. under R. Aust.	DL
11700	1905	DOMINICAN REP.	Radio Clarin, Santo Domingo	in SS. EE ident at 1915. Poor signal.	DL
11705+	2222	VATICAN	Vatican Radio	fair with religious talk in EE.	JR
11705	0900	JAPAN	NHK Tokyo's	South American Svce, news in JJ weak.	DF
11730	0930	SPAIN	Radio Nacional de Espana	with news, good.	DF
11730	0335	GREECE	Athens	in Greek to Nth. Am, fair ex 11875 12/11.	JM
11755+	0741	ARGENTINA	Radio El Mundo	fair to poor in SS.	MO
11760+	2221	CUBA	Radio Havana	poor with prgms in SS.	MO
11770	0100	INDIA	AIR	fair in EE with news thru to s/off 0112.	DL
11770	0600	ETHIOPIA	ETLF	in EE to West Africa to 0609. Fair ex 11800.	JM
11770	0900	SWEDEN	Stockholm	with s/on in RR, good.	BL
11785	2025	SPAIN	Madrid	with SS transmission.	AC

<u>FREQ</u>	<u>TIME</u>	<u>COUNTRY</u>	<u>STATION</u>	<u>PROGRAMME & RECEPTION DETAILS</u>	<u>INITIALS</u>
11800	2342	JAPAN	NHK Tokyo-Yamata	fair with EE mx after s/on 2345.	DL RY+
11805	0110	BRAZIL	Radio Globo	good in PP with sports commentary.	DL
11810	0341	JORDAN	Amman	vg in AA. News 0400 good.	PO
11810+	1101	CHILE	La Vez de Chile	fair in EE. SS prgm from 1110.	MO
11825	0113	PHILIPPINES	Radio Veritas	in EE fair-good with religious & local items. New frequency, ex 11725.	BH
11825+	0105	TAIWAN	VOFC Taipei	good with English news.	HW
11830	0643	ROUMANIA	Bucharest	s/on in EE to Pacific. Poor to 0712 mxd USSR. JM	JM
11835+	0130	URUGUAY	CXA19 El Espectador	with SS idents & advts, fair.	RY
11840	0540	ROUMANIA	Radio Bucharest	poor in EE.	BL
11840+	2030	AUSTRALIA	RA Shepparton	good in EE, new frequency to NZ.	BV
11855	0732	CZECHOSLOVAKIA	Prague	poor-fair in EE for Asia & Pacific.	BL
11865	0105	BRAZIL	R.Clube de Pernambuco	good with PP sports commentary.	DL
11895	0800	NORWAY	LLJ3 120kw	good in Norwegian to Aust/Pacific. EE Suns.	DL
11905	0426	ITALY	Rome	int.sig, ident. Italian to Africa, good.	CS
11915	0625	ECUADOR	HCJB	Quite very good with Mailbag prgm in EE.	CS
11930	1744	FRANCE	Radio France International	to Africa till 1800, poor.	BH
11935	1900	NORWAY	Oslo	on this new freq to Africa. S/on mixed VOA, fair.	BC
12077+	1524	ISRAEL	IBA	with music and talks in Hebrew, good.	RY
15012	2045	VIETNAM	Radio Hanoi	with EE Letterbox prgm for Europe.	BH
15110	1100	PAKISTAN	Radio Pakistan	with EE news to Europe, fair.	DF
15115	1200	EAST GERMANY	RBI	fair in EE. No sign of scheduled Tashkent.	JS
15140+	1325	SWITZERLAND	SBC Berne	with EE DX prgm, good signal.	RY
15150	0109	CHILE	La Vez de Chile	good in EE //11810 fair. EE 0210 good.	PO
15160	1032	HUNGARY	Radio Budapest	with news & information, fair.	DL
15180	0828	INDIA	All India Radio	s/on in EE with nx & cricket scores, good.	DL
15185	0300	SRI LANKA	VOA Colombo	with Breakfast Show, closing 0330.	AC
15190	1702	CONGO	Brazzaville	good with FF news 29/11.	FE
15250	1035	INDIA	AIR	with EE Mailbag prgm. New freq //15205 & 15190 29/11. JM	JM
15280	0700	SRI LANKA	SLBC	All Asian Svce with BBC news relay.	AC
15290	2003	CANADA	RCI Sackville	EE to South Pacific, fair //15325, 17820. JM	JM
15305	1100	SWEDEN	Stockholm	in EE to NZ. AC. 1110 poor-fair, splash NHK 15310.	JM
15325	0550	PAKISTAN	Karachi	good with pop mx prgm. QRM NHK 0600.	LR/PE
15350	1741	ZAIRE	Kinshasa	with African mx, FF, vernacs //15245. Both poor.	PE
15355	1945	USA	WINB Red Lion	with EE ident, Jewish rlg prgm, new freq 3/12. JM	JM
15375	1703	USA	WINB	with EE ident, rlg prgm past 1803. New freq, fair 2/12. JM	JM
15385+	2120	MEXICO	XERMX	fair with multi-lang idents. BV. 2259 SS ident good.	MO
15385	0900	USSR	Radio Moscow	to Aust/Nz via Chita, Siberia. Janning QRM. DL	DL
15390	0630	SWEDEN	Stockholm Home Service	in Swedish to 0800.	AC
15390	1000	AFGHANISTAN	Kabul	with AA news, talk, mx. New freq 29/11, poor.	JM
15445	2245	NETH. ANTILLES	TWR Bonaire	vg in SS, new freq. PO. 0146 SS fair.	HW+
17387	1000	INDIA	AIR	fair with EE mx, cmtry then cricket commentaries.	DL
17635	0830	CHINA	Peking	new freq in EE to Aust/Nz vg //9460, 11600, 11720 and 15060. Sign off 1030 13/11.	JM
17665	0848	PAKISTAN	Radio Pakistan	EE cricket cmtry, fair. BL. 0245 EE ident. HW+	HW+
17695	0900	GREAT BRITAIN	BBC World Service	new freq. AC. Vg at s/on 0900. Also very good on //17705 and 17790 at this time.	BC
17770	0950	SWEDEN	Swedish Telecom Auth.	SSB test tx via 30kw p-to-p transmitter at Horby, relay Radio Sweden prgms. Fairly good in FF. 1048 in single side band test transmissions.	DL BCa
17775	0656	SWEDEN	Swedish Home Service	on upper side band. EE annct. Fair to 0715 tune out.	JM
17780	0715	SOUTH AFRICA	RSA	opening in FF to West Africa, poor. SL. 0805 off. BV+	BV+
17810	0759	MADAGASCAR	Radio Nederland	relay with tx ident & s/on Dutch. PE	PE
17825+	0930	RWANDA	DW Kigali	relay poor in EE. Severe QRM USSR co-channel. BV	BV
17830	1215	GREECE	EIRT Athens	good with EE news, Greek mx at 1230.	JD
17840	1608	ASCENSION ISLAND	BBC Atlantic	relay W.S. Nx, cmtry. Off 1615 poor. BC	BC
17865	1033	HUNGARY	Budapest	with EE world mx & cmtry. Frequent ids. Good.	JR
17870	2000	LIBERIA	VOA Monrovia	in EE to Africa.	AC
17875	0720	SAUDI ARABIA	Riyadh	with AA ident & mx, ex 17885 7/11.	JM
17889	0445	BANGLADESH	Dacca	with EE broadcast to 0515.	AC

See over for signs of welcome improvement on 13 metres.

FREQ	TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	18	INITS
21460	0903	BELGIUM	RTB	vg in FF.PO.(Early?)	1000 s/on in FF,	very good. HW+
21470+	0900	GREAT BRITAIN	BBC	Daventry with World Service	s.on good.	HW
21480	0816	MADAGASCAR	Radio	Nederland relay exc past 1130 in Indonesian.		PE
				0930 Indonesian s/on fair.GH.0840 very good in Indonesian.		HW+
21485	2100	USA	VOA	Bethany (250kw to Africa)	weak in English.	GH
21485	1117	VATICAN	Vatican	Radio Africa	Service good in EE.PP at 1130.	PE
21515	2330	PHILIPPINES	FEBC	Manila with EE news.	Very good. 0200 f/out.	GH
21520	1055	SWITZERLAND	Berne	in AA vg.HW+ 1120 EE DX prgm vg.S/off 1130.		GH
21525	1000	HUNGARY	Budapest	int.sig & s/on in Hungarian,fair.GH.1037 EE at fair level.Listed as Szekesfehervar 20kw & suffers splash from 500kw Switzerland on 21520.		DL
21535	1054	SOUTH AFRICA	RSA	intsig & s/on in EE.Fair past 1130 with nx.		PE
21540	0928	RWANDA	DW	relay with int.sig & local ident in FF 0929 "Ici la Deutsche Welle, station relais Kigali, Rwanda", then EE for Asia. Good past 1000.BC.Further id at 1030 s/off.PE 0930 poor.GH		
21550	0930	GREAT BRITAIN	BBC	s/on with Tamil prgm for Asia, strong.		GH
				1100 very good signing on in JJ for Japan. Daventry tx.		HW+
21555	1210	SAUDI ARABIA	Riyadh	in AA on new freq ex 21590 26/11.Id 1300.		BC
21560	0900	WEST GERMANY	Deutsche Welle	exc in GG.GH.0945 vg to Aust/NZ.		HW+
21590	0745	PAKISTAN	Karachi	EE nx,fair.LR.0800 EE nx vg in World Service.PE 0810 vg to s/off 0815.Also exc 0235.GH.0240 EE nx //21630 vg.HW+		
21600+	1142	WEST GERMANY	Dw	Cologne very good in Swahili to Africa.		HW
21600	0755	IRAQ	Unid	AA here at vg level 9/11 only.Subsequently ident by BBC MS reception on same day, per their WBI bulletin.		BC
21610	2200	USA	VOA	Dixon s/on to Oceania.Exc to 0000 s/off.GH Breakfast Show		
21620+	0955	FRANCE	Paris	in FF to Africa.21675 FF 0926 //21730 good.		HW /BL
21640+	1200	GREAT BRITAIN	BBC	Daventry s/on in FF to Africa, fair.		HW
21690+	0906	ITALY	RAI	Rome in Italian to Australia, good.		HW
21900	1000	SWEDEN	Stockholm	good with nx in GG.LR.(Swedish sked this time.Ed)		

CONTRIBUTORS

DL Dene Lynneberg PO Paul Ormandy GH Gordon Hutchison SL Stan Larking
 PA Paul Aronsen IW Ian Wells JM John Mainland PE Paul Edwards
 BCa Bruce Cavanagh JD John Durham BH Bill Huddleston BL Bruce Lister
 LR Lindsay Robinson JR John Ridge AC Arthur Cushen JS Jack Searle
 CS Cecil Symmes BC Bryan Clark DF David Feldon & our overseas members:
 BV Bill Vogel, HW Harry Weatherley, AW Alex Wellner from Australia.
 MC Masami Onizawa Japan. RY Robert Yajko USA. Thanks to you all! Best of DX!

Herzlichen Dank für den Empfangsbericht über unsere Sendung, der mit unserem Frequenzplan übereinstimmt.

Wir wünschen Ihnen weiterhin viel Freude beim Empfang unserer Sendungen.

Thank you very much for the reception report on our broadcast. The information given is in accordance with our frequency schedule.

We hope that you will enjoy our future programmes too.

DEUTSCHE WELLE
i.A.

Stiele

CHANGE IN QSL POLICY FOR DEUTSCHE WELLE?

Although no official word has come from the Voice of Germany, a QSL procedure akin to the BBC appears to have been introduced. Some months back, Sweden Calling DXers published an East European report that DW cards would no longer indicate date, frequency, time or transmitter locale, unless a self addressed envelope sufficient to carry a QSL card 14cm x 9cm was enclosed with the report, in which case, a full detail QSL would be sent. Now Jack Searle reports receiving a new 'no details' card. With several reports away to Deutsche Welle, he comments that the card doesn't mean a thing! (See illustration). Hopefully DW will soon clarify what they're up to, but it seems that economics are once again hitting the QSL policy of a major international broadcaster.

TWR GUAM WITH 100kw SHORTWAVE DUE ON AIR IN JAN/FEB 1977!

RADIO BUDAPEST EE schedule to 16 April 1977: 0200-0230(except Mon) on 15220, 11910, 9833, 9585, 7215, 6000kHz; 0300-0330 on same frequencies, both for Nth Am. For Asia (Mon-Fri) on 21525, 17785, 15160, 11910, 9585, 7200kHz at 1430-1500 GMT. To Aust/NZ, Japan at 1030-1100 on 21525, 17715, 15160, 11910, 9585, 7155kHz. For Europe 2130-2200 on 15415, 11910, 9655, 7200, 7150, 5965 and 1200-1240(Mon-Fri) on 17785, 15160, 11910, 9585, 7155 and 6150kHz.

Brent Allred

ARTHUR CUSHEN'S SHORTWAVE REVIEW 19

Good reception is already evident on the higher frequencies around 0900, while many new frequencies are now in use for the period to 6 March. An interesting signal from Radio Reloj on 2623 is noted in this month's news.
All times are GMT (add 13 hours for NZDT) All frequencies Khz

ANTIGUA: The Deutsche Welle relay at Antigua is now heard in English to North America 0530-0550 on 5960 and opens with the announcement "This is Radio Deutsche Welle transmitter Antigua." The transmission in German beamed to Australia and New Zealand from 0600-0950 is very good on 9690 however at the opening there is some interference from the BBC European Service.

BANGLADESH Dacca 17889 is being heard with English 0445 to 0515. Also 21685.

CANADA RGI broadcasts to the South Pacific in English 2000-2030 on 15290 15325 and 17820 - this latter frequency being the best, and the 19 metre outlets fair to poor.

CHILE The Voice of Chile on 15150 is heard with English at 0110 0210 and 0310 with a twenty minute transmission. Best at 0230.

COSTA RICA Radio Reloj San Jose has been heard on the new low frequency of 2623, around 0800. The station is carrying the same programme as heard on 4832, but the reception on such a low frequency at this hour suggests a rebroadcast, and is unusual.

GREECE Athens broadcasts to Australia 0900-0950 on 15345 in Greek and English. Also on 6140 from 2100-2250.

ITALY Rome has replaced 5990 with 6075 with English from 0420-0440.

LIBERIA VOA Monrovia is noted on 17855 in French at 2100 and on 17870 in English at 2000.

MALTA The Voice of Hope on 9745 is being heard on Sundays up to 0700. Is announced as using 9633. At 0700 the signal is blocked by DW and HGJB.

PHILIPPINES FEBC advises that a new 100kw transmitter has been opened at Iba, Zamales, Northern Luzon. It is to be used exclusively for Russian transmissions.

SPAIN English from Madrid has been noted on 9505 from 2130-2230.

SRI LANKA VOA Colombo is using 15185 for the Breakfast Show to Asia and is heard closing at 0330.

SWEDEN The new transmission to Australia and New Zealand is well received from 1100-1130 in English on 15305. The test in Swedish 0630-0800 is excellent on 9605 beamed to the Pacific, while good signals have been noted beamed to Africa on 15390.

TAHITI Papeete on 15170 is heard well with a bulletin of English news 1900-1909.

USSR Radio Moscow has English to Australia and New Zealand 0800-1000 on 9780 11690 11940 15130 15380. From March 6, 17870 and 17880 will replace 9780 and 11940.



DXCURSION AUSTRALIA 77

..sign off..

BURMA Since 1/10 BBS Rangoon has been heard on 5975kHz with 50kw 0930-1600 in parallel to 5040kHz and 955kHz.

Victor Goonetilleke WRTVH

RADIO BANGLADESH's winter sked from 7 Nov in English is 0445-0515 on 15410, 17890 & 21685kHz. 1230-1300 on 15270 & 11900. 1815-1915 on 11890 & 15410. Address for reports is Research Wing, Directorate General, Radio Bangladesh, 23/7 Shaymoli (B-Block), Dacca 7.AN PO

NEPAL Since September Radio Nepal's EE newscast at 1620 GMT has been doubled in length to 10 minutes. A 10min bulletin in EE of district news is aired at 0250.

BEC MS (c)

RADIO MINERIA Chile, recently heard in NZ on 9750kHz, changed it's name to Radio Festival on 1/10. C.Brito.M WRTVH

RADIO BELIZE has changed frequency from 3300kHz to 3285. Alan Laves TDXN/NASWA

RADIO THAILAND's latest sked, on 11905 & 9655kHz is 0415-0515 in EE, 0520-0550 in FF, 0930-1300 General Overseas Service in Lao, CC, Thai, EE (1040-1140), Vietnamese, Khmer & Malay. Paul Ormandy

VNG the Aussie Time Station will miss 1 second at midnight UTC 1/1/77. Williams

market square

FOR SALE: Trio 9R-59DEM Communications Receiver, 550kHz-30MHz, bandspread, ANL AVC, Voltage Regulator, Calibrator, AM, SSB. As new - \$200. Write to John Petchell, 8 Herd St., Dunollie, Westland.

FOR SALE: Zenith Trans-Oceanic Royal 7000Y-B transistor radio. With LW, MW, SW, FM. Very full set. Price \$425 omo. Write to Ross Renton, 53 Charlotte St, Balclutha, South Otago.

HELPING HAND: Ash Nallawalla, c/o P.O. Box 744, Dunedin is planning a visit to Sydney-Canberra-Melbourne next January-February, and would like to meet local DXers. Any help or advice appreciated.

WANTED TO BUY: Handbook for "Reception Set No. R109 FRG 2A1295" 6 volt. Possibly English Army 1940-1950 vintage. Also a ZC1 set, valves or smaller components not essential. Write to: C. Dickens, 1 Massey street, Greytown.

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:- 5pm on first Monday in the month. Advertising: 50 cents for up to 30 words. Other rates on request.

ANNUAL SUBSCRIPTION: NZ\$5.00

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

WYFR has been authorized by the FCC to build a new transmitter site in Florida, about 20 miles north of Lake Okechobee. Production facilities will continue from Oakland, California. A large piece of excellent land will replace the present extremely limited transmitter site at Scituate, Massachusetts. Terry Krueger LN/NASWA

RADIO MOSCOW's current sked to Aust. & NZ in EE is 0800-1000 on 15130, 15380, 11940, 11690 & 9780kHz. The prgm consists of a series of 30 minute transmissions. Paul Ormandy, Breat Allred

RADIO MALDIVES Dene Lynneberg & Paul Edwards, and Geoff Cosier in Melbourne have all received refusals for their reports of Maldives on 3522kHz, with the station denying their use of the frequency. Victor Goonetilleke notes them still there 1300-1500, announcing as 3490kHz, but illegally using this out-of-band channel. Perhaps they're not prepared to admit to using an illegal channel in any way!

FINLAND. Helsinki has EE 0330-0400 on 6120kHz (250kw), 0930-1000 (Sat/Sun only) on 9550 (100kw), 11755 (15) and 15270kHz (250kw), 1330-1400 on 11755 (250), 15110 (100kw), 1430-1500 on 6120 (15kw), 11755 (250), 15110 (100), 1900-1930 on 11755 (250kw), 9720 (100) 2000-2030 on 9550 (100) & 6120 (250kw) all until 6 March. John Ridge