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# NEW ZEALAND DX TIMES

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## A LOOK BACK AT FEEDBACK

Pity the editor or contributor who lacks "feedback" from the silent 90% majority of readers. Having experienced the complex in both roles, I sympathise with recent TIMES afflictions. But it is illusory. I suggest many subscribers buy the TIMES to keep up to date in a field it serves in unique style, including buyers or builders of receivers who lack time for serious DX.

My own continued support contains an element of obligation, true, to League members who gave assistance when I was producing "This Radio Age" for Radio NZ shortwave. Next month marks 30 years since it started and, for those who do not know some of the background, Here (as the theme tune said) Is The Business.

The station commenced in 1948. At the time, I was editing "Tune In" and contact with its manager, Ulric Williams, recently returned from the NZ Forces' station WLKE Kure, Japan, was easy and pleasant. Some time in 1949, he asked for aid in mounting a DX Special for (I think) the ISWL. The result was well received and he started to talk about a magazine programme for the many DXers writing to the station. Would I care to draft one? You bet! It provided for Arthur Cushen to handle the hard news - we had been "rivals" in our publishing responsibilities but I respected Arthur, if I did not really know him.

The word "came from on high", however, that "no cranks were to be allowed on the air", DX information was to be limited to major broadcasting operations and, amongst other restrictions, there was a one-year life limitation.

Williams, his successors and I nevertheless managed to expand the brief - seldom without an argument. There were a few DX scoops and it ran 13 years. After 10 years, we got our way and Arthur joined the programme to handle the hard news. That was 1960. By 1963, he was going strong and promising the 20 years' service he has since given; I wanted out. (I was holding down the radio and film criticism columns of NZ Truth and occasionally doing a little work for the people who to this day generously pay my salary.)

So "Arthur Cushen's DX World" came on the air - but not without yet another dispute! The "new" NZBC was not so new as to accept the idea of a personality's name being included in a programme title. It did... eventually, and everyone knows the outcome: a well-merited success, worldwide relays and the first Royal recognition of anyone in NZ broadcasting. The "crank" has thus outlasted his critics.

Hence, it may be seen that, without the NZ DX TIMES, I would not have been aware (however interested in the matter) that a conscious effort is now being made to woo an audience on the Pacific Coast. That Radio New Zealand should choose Arthur Cushen and his DX World to spearhead the thrust is of somewhat greater historical significance than might be realised by the casual reader or listener.

Cleve Costello  
Wellington

DEADLINE: NOON - MONDAY, 4 AUGUST: LOGGINGS: VERIES: B.O.M.: LADDERS

## FROM THE BRANCHES

② **AUCKLAND:** 26 members attended the June meeting. Highlight was the demonstration of the new SONY ICF 2001 by Bryan Clark. Branch DXpedition 1-3 August - details at next meeting. **COMPETITIONS:** MW Bryan Clark Martinique 1310 40 kW, SW Under 9 Douglas Doull Radio Polonia 7210: Over 9 Douglas Doull R. Moscow 21490. Also 8 members met US DXer Bill Whitacre at Bryan Clark's on 11 June when Bill gave an illustrated talk on exotic receivers he has used. During his stay Bill was interviewed by Radio Pacific. **NEXT MEETING:** 2 pm Sunday 27 July at NZART Rooms, 3000 St. North Rd.

**CANTERBURY:** 6 members were at June meeting at which there was lively DX chat and discussion about standard of 'Times' (What about letting Magcom know what you think - Ed.). **COMPETITIONS:** MW David Ricquish Onda Popular 1040 10 kW, SW Under 9 VO Kenya 4934 Stuart Forsyth; Over 9 HCJB 26020 Lance Johnston. **NEXT MEETING:** Special Social Night, Saturday, 26 July at 2 Waitaki St. Wainoni. All present and past members are invited to an evening of good entertainment. Movies, supper, music and July meeting. Bring the family. Lance Johnston for more details - telephone 887-829.

**MANAWATU:** April's highlight was without any doubt the visit of HCJB's Roger Stubbe. **NEXT MEETING:** Sunday, 27 July at 2.30 pm 14 Kettle Avenue, Palmerston N.

**WELLINGTON:** The June meeting was held at the BCNZ Transmitting Station, Titahi Bay with 7 present including 2 from Palmerston N. Dene Lynneberg gave an interesting tour of the station followed by discussion of methods of QSLing 'difficult' countries. **NEXT MEETING:** 8 pm Friday, 25 July at 9 Paeroa Street, Newtown. Host Bob Conner will show slides of his recent trip to Singapore, Hong Kong and the Middle East.

**SOUTHLAND:** The June meeting was held at Harry Searle's with 15 present. Steve Greenyer spoke of his visit to Australia and the Southern Cross DX Club Convention. He displayed a new receiver purchased in Sydney. Plans were made for a progressive dinner during July. **COMPETITIONS:** MW - 8DM Ray Crawford HJFO Colombia 1390 1000w; Merit E. McIntosh KSSK Honolulu 590 5 kW Rest of World T. Magon DYFX Philippines 1305 5 kW. SW Over 9 M. Flahive HCJB 26020: Under 9 R. Crawford Radio Condor Ireland 6243 100w. **NEXT MEETING:** 7 pm Tuesday, 22 July Lindsay Robinson's 219 Earn Street.

BRANCH SECRETARIES are reminded that the current period for Inter-Branch Competitions closed on 30 June.

## inter-branch competitions

Entries should be sent to the Competition Secretary, P.O. Box 1313, Invercargill as soon as possible so that results can be announced at the Annual Meeting.

**ALBERT STANTON CUP** - 24 verifications received by Branch members in past year with maximum of 6 from any one member and 6 from any one station. Medium Wave.

**HOPE MCGREGOR CUP** - For Short Wave with similar conditions.

**COLUMBUS TROPHY** - Based on aggregate and judged on 12 best verifications from any Branch both on medium and short wave and with no more than 3 from any one member.

General Conditions - Verifications should have appeared in the NZ DX Times and a Branch entry should include only verifications of loggings made in the provincial area except that verifications of loggings at an official DX League are eligible for the competition.

### NOTE FROM THE EDITOR:

There has been some comment from NZ members on late delivery of the 'Times' so it seems appropriate to outline our timetable. Deadline for copy - first Monday of month (or first working day if the Monday a Public Holiday). Copy sorted and posted to section editors in Auckland, Christchurch, Invercargill, Wellington. Copy to be returned to Editor by Saturday to be ready for delivery to Printer morning of second Monday. Distributor collects for mailing on Wednesday for posting on Thursday. If for any reason, as happened in June, there is a delay in the return of copy or expected copy is not received, it leads to further delays. At worst we expect and hope that NZ members will receive their 'Times' not later than the third Monday of the month - or 2 weeks after the deadline. We add that in June, the delay was compounded by a breakdown in the Printer's machinery.

## BROADCAST DX <sup>③</sup> POR EL PERSONAL NECESARIO

Not a great deal to comment on this month except to say that Radio Waitaki is on the air after a short delay and is providing a good signal and plenty of interference to adjacent channels in many parts of the Country. Also from last month, the plan for Radio N.Z. Commercials to go twenty four hours a day has been held up by an appeal by Private stations, lets hope the appeal is upheld. Now to the mailbag.

**MARTIN FLAIVE, Invercargill.** is first up this month with veries back from 2XG, 4XL, 2JJ, 4KQ, 2ZN, 3XY, 3NL, 2SM, 2Cl, 3KZ, 2KO, 1XW, thanks for your notes.

**MAK MURRELL, Nelson.** has reports out to 3MA, 3XY, 2PK, 2LT, 2WN, and veries are 3KZ, 2SM, 2NC, and 2NZ, ta.

**KEN GRAHAM, Mount Manganui.** HAS logs of KEX, KFAX, KNX, WHO, KROQ, KXRX, KPRE, KNJX, KRCD, KSL, KCCN, KIOE, KNOI, And the veries are to hand from KFAB, CFCN, KKUA, KHVH, and KTOM, please use separate pages for your m.w. and shortwave notes.

**PAUL SCHNELL, Palmerston North.** has logged over the past two months 1AI, XP, YA, YW, YX, YK, YZ, ZB, ZD, ZH, ZI, ZO, 2XG, XW, ZA, ZP, 4XL, XO, 5RM, A3Z, and verified are 3XA, 1XP, 1YA, YW, YZ, YX, YK, ZB, ZM, ZN, ZO, 2XG, ZA, ZP, 4XD, 5RM and Fiji 711, a good list of NZers.

**TIM AUSTIN, Bluff,** has loggings of 1ZH, ZC, ZA, XW, XP, XI, XA, 2ZM, ZP, XW, 3YA, 4XD, 4ZB, and 3ZM, veries are 4XO, 3XG, 2ZH, 1ZD, 1ZB, 2ZB, 3ZB, 4ZB, 2ZA, 2ZC, 1ZM, 3ZM, 3ZC, 3YW, 2ZG, Ta How about coming to Tiwai sometime give us a call 66052 or 67654.

**BRIAN WEBB, Upper Hutt.** Reports out to Ban Pacchi 1575, KKUA, WVUV, 2GN, KA, KP, LT, ML, NR, TR, 3AK, GI, LO, NE, UZ, WV, 4GH, JK, NA, QA, QB, QO, QR, QW, QY, RK, TO, 5CL, 7ZL, veries Fiji 711, 2XG, 3XG, 3NE, 5CL, 2ML, and 2NR, thanks.

**LES DAVEY, Te Kuiti,** reports 1XP, 2TR, and VL2UV, strictly s.w. veries are 1XP. only.

**BILL JOLLY, Kawerau,** has only one thing, a verie from 2ZH, thanks for taking the time to write.

**IAN CAMBERMOLE, Blenheim,** has veries from 2CA, 2ST, Rhema 1503, Fiji 684, 639 and JORK.

**DAVID RICQUISH, Christchurch,** Logs of 1XX, ZM, 2YB, 4XG, 2DU, 2GN, MW, NC, TM, 3AW 4BR, LG, LM, 7LA, LYFX 1503, KUAM, KLEO, KHEI, KSDO, KSSK, WOC, and veries in are 1XX, 1ZM, 2YB, 4XG, 2TM, WOC, Onda Popular 1040, Vila 1125, Antilles 930, to take him to country 54, am checking on 1425, see further on.

**PAUL EDWARDS, Wellington.** has a batch of QSLs from XEHL, KGNR, KPRC, KKHI, WCAU, Contact 1450, WMAQ, WHO, KBOI, 1XX Murapara special, KIT 1280, WHAS, KCRL, Jodhpur, WICO, KAGO, WDR 1586-? and logs at home of KSSK, AKL KNIX, and at Te Araroa, Tuvulu, ZNS1, KDEO, Belize 834, KXVI, KPAY, KPLS, XEEP, Puntarenas, Cuba 780, 600, Sandino Nic, 750, KXRX, KZLA, Sucre 700, Tequendama 770, and XEUW, great loggings, especially Sandino. Can't help with 1425, David Ric, also queries it. He suspects XEXX.

**DENE LYNNEBERG, Titahi Bay,** has nil out but has them back from 2XG, Sigatoka. 1206, and Caribbean Radio Lighthouse.

**ALAN GILMOUR, Greymouth.** One logging only Vila 1125. no veries.

**ALEX WELLNER, Australia.** has reported 4YA, 4WK, 4YC, 5AD, and the QSLs are 4AY, and 4WK. ta.

**HANK WILKINSON, California,** has them back from Thailand 1215, and Noumea 666, reports out to 2YB, 1XP, 1ZE, and tentatives to 4AT and 2CC, not to bad an effort, Chris has moved but I think mail will still reach him at the old address.

**BRYAN CLARK, Auckland.** QSLed Martineque 1310, country 93, 2XG and 4XG, reports to PRG, 585 and Kiribati 846. great Martineque.

**PAUL ORMANDY, Oamaru,** Loggings out to Vila 1125, WVUV and CJVB, no QSLs as yet.

Thanks to our many contributors this month, Our numbers are more than we thought, keep sending your entries in.

MAILBAG CONTINUED.

PAUL RAWLON, Eastbourne, is another with only one to report and that is a verie from khema on 1503. One more than me.

MARK NICHOLLS, Auckland, has them back from Fiji on 558 and 711 as well as a third verie from CKLG, all for the one report of November last, He wonders if anyone has not had their verie back. Better to have too many than none at all though. Are you still thinking of coming South.

JACK SEARLE, Haumoana, has veries from KNIX, 2XG and 2XC, Thanks.

ALAN GILMOUR, Greymouth, with a second lot, I assume the first list was from the previous month has reports to KPIX, CKWX, CJVB, KSDO, and veries in from KNEW, and KOB, good list Aan, please dont forget your name on each page please.

TOHRU GOUHARA, Japan, has reported 6DB, 3CW, and NBC PNG. veries to hand from 3AW and 2ST, Thanks for trail especially Phillipine info.

????? An un named page of logs, 1YA, 2B, XI, YZ, YC, 2YA, 2B, XG, YZ, YC, ZA, 2D, 3ZC, 4YA, XO, YW, YC, all since the 20-5-80. It is suprising how many notes we receive without names on them.

RAY CRAWFORD, Invercargill, has them out to 2XX, 2CC, 2CP, 3CR, 5AU, 5CK, 5SY, 5PA, 5SE, 5KA, 5UV, 5LC, 6MN, 6BE, 6KW, 6GF, 6BS, 6GN, 6ED, 6DB, 6CA, 6XM, 7OT, Thai 1530, Fujian PBS 1476, Vietnam 680, Santa Barbara 1310, veries in from 2XG, 2ST 999, 4XG, 6WA, L.V. de los Andes 1390, KGNF 1320, Vatican 1530, Dubai 1481, Singapore 792, DW Malta 1557, Noumea 666, Peking 1089, Nanning 792, Guangxi 1071, DWRV.

ARTHUR CUSHEN, Invercargill, reports no logs but has veries in from 2WM, 2X 120, 3YB, 3ZE, 2ST. A quiet month, hi!

JOHN ALLCHIN, Auckland, Has reported KRE and KAAP 1400, KDAC 1230, KKAL 1540. One lone verie in from CJOR 600. Ta.

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MEDIUMWAVE TRAIL.

- 580 0845 Sign off after nxs in Tuv. PE.
585 0900 NBC Port Koresby fair with EE Nxs. BC.
600 0923 Cuba EE very good. PE.
700 0547 Sucre very good. PE.
750 0435 thru 1015, Radio Sandino, rev pleas, PE.
770 0615 R.Tequendama, very strong. PE.
834 0453 Belize always poor/. PE.
846 0700 Tarawa, Radio Kiribati ,BBC and local nxs in EE ID as Radio Kirabati, i silent. BC.
860 0658 XBUW sign off, ann 9600 & FM PE.
873 1557 DXRB sign off with EE ann and Nat Anthem.
1558 LERC sign off, ann in EE, TG.
940 0651 KDEO good pops, PE.
1010 1245 KIQI excellant an s/on. PE.
1060 1148 XEEP, music until opening at 1200.
1233 KPAY very good. PE.
CREDITS. P.Edwards Te Araroa 9/6/80. B.Clark. T.Gouhara Japan who uses an NRD 515, and interestingly a LR 28 with modified filter to give greater selectivity.

VANCOUVER FORMATS.

- 600 CJOR Adult hits, and open line.
690 CBU Cultural , classical.
730 CKLG Rock.
800 CJJC Country, country rock.
900 CJVI Country.
980 CKNW Variety, talkback.
1070 CFAX Adult popular.
1220 CKDA Pop, rock.
1130 CKWA Country and Western variety.
1320 CHQR Variety, classical.
1410 CKOB Pop,rock.
1470 CJVB Ethnic, variety.

via Theo Donnelly.

CHRISTMAS ISLAND.

VLU2 Christmas Island is operated by the Australian Department of Home Affairs, to broadcast programmes for the population of Christmas Island. They Broadcast in three languages, English, Chinese, and Malay, as speakers of all these languages live and work on the Island. On the air from 0600 to 2100 hours local time, and 0800 to 2100 hours on Sunday the station uses a number of part time announcers and operators. The station also re-broadcasts programmes from Radio Australia two and a quarter hours a day.

Theo Donnelly via B.C.

TCNY MAGON, Invercargill, has been busy and reported JOHN, 2KK, 2KP, 4BH, 6WB, 2XL, WVUV, Voice of Asia, ICRF 1550, 1570, 2XG, 4XG, 5PI, 4GR, KMIX, KLIV, BEE32 1490, 2LT, India 1395, 4ZW, Vietnam 870, JOAP, 2JJ. Veries to hand from 8DR, 8TC, Dubai 1481, DYHP 612, DXCC 828, DYFX 1305, Israel 738, PNG 585, Sabah 830, JOIK, 2KP, 2KM, 4BH, 2ST, 4XG, 2XL, 2XG, 6WB and 3ZE. Tnx.

LATE TRAIL NEWS.

- 600 KOGO good level 1039 JA
680 Vietnam. Unlisted in WFTVH good with RR lessons 1540-1555, EE lessons 1555-1610, FF lessons 1610-1625. ID given between each language. RC
910 KRIO 'Fantastic RIO' jingles fair mixed with KNEW 100-1100 JA
930 Antilles, good to s/off 0500 RC
R. Continental, Colombia good 0530 RC
950 XEGM regular in SS 1135 JA
980 XETU R. Tampico fair to s/off 0600 AC
1010 KIQI very good 1300 JA
1140 KKJJ over KRAK 1125 JA
1150 KIIS Religious pgm 1310 JA
KBAL poor-fair with pops 1307 JA
1230 KDAC ends UPI NX 1305 JA
1280 KERN EZL music 1225 JA
KKAL 'K-Kal' often 1200-1300 JA
1290 KHSL s/on 1230 over KNEN JA
1310 R. Santa Barbara, Col. good 0415 RC
1390 KBLW weak Mons till KCEY s/on 1200 JA
1400 KRE Sports news and ID 1252 JA
KAAP 'Ventura County KAAP' 1257 JA
1490 BEE32 with EE lessons 1435-1450. TM
Fair to s/off 1600.
1520 KACY very good 1313 JA
1530 Thailand, Utteradit very good to s/off at 1700 after full ID. Singing anthem.
1540 KZLA News to 1310, good JA /RC
1550 KGAR C&W fair 1210 JA

Thanks to JA John Allchin, RC Ray Crawford, AC Arthur Cushen and TM Tony Magon.

BEST OF THE MONTH

SENIOR: Ray Crawford with HJPO, La Voz de los Andes, Manizales, Colombia. 1390kHz 1000 watts. 151 pts.

JUNIOR: Alan Gilmour with KNEW, Oakland, California, USA. 910kHz. 5KW. 103 pts.

\* 30 th ANNIVERSARY WINNERS.\*

- SHORTWAVE. B.Clark. P.Jones
G.Jacob. H.J.Searle
J.Gorman. E.Mannix
B.Jolly. P.Hamlin.
G.baker. B.Huddleston.
A.De Maine. R.Haines.
L.Hughs. E.Williams.
S.Forsyth. A.Cushen.

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STATION NEWS

CHINA: Anhui PBS can be heard on 936 parallel with 1395. 2050-0530 & 0730-1500. Fujian PBS 1st pgm heard on 780 and 558, 882 and 1071. Jilin PBS operates on 738, 1107, 1485 and 1536 (variable). 2050-0530 & 0850-1505.

SCDXers

Zhejiang PBS in Hangzhou operates daily from 2105-0515 and 0845-1455 on 531, 577 810, 865, 963, 985, 1080, 1134, 1140 1146, 1408, 1431, 1476, 1503. This is the 1st program. The 2nd program is on the air on 1530 from 2110-0025 and 0250-1455. BBC-MS

HONG KONG: BFBS has apparently dropped the usage of its 1251 outlet. RTHK3 operates on 567. The commercial service operates on 864 (Chinese 1), 675 (Chinese 2), and 1044 (English). R.M.I.

INDIA: According to All India Radio its network in the northeastern region of the country is to be strengthened in order to improve audibility. A new station will be set up in Tura (Meghalaya) and the power of the station in Dibrugarh will be increased to 300kW. BBC-MS

IRAN: According to the Voice of the Islamic Republic of Iran the following domestic stations operate. Abadan 576 600kW, Ahwaz 1386 400kW, Arbadil 1314 10kW, Bonab 639 400kW, Bandar Abbas 620 100kW, Tayebad 720 400kW, Tabriz 1026 100kW and 1152 10kW, Teheran 1188 and 1332 100kW, Chalus 1215 10kW (summer only), Gheslaghe 558 1000kW, Qasr-e-Shirin 612 400kW, Kermanshah 985 100kW, Zahedan 777 100kW. Zabol is not in operation on 1098. SCDXers

IRAN: The evening service in Arabic frm the Voice of the Islamic Republic of Iran external service is heard from 1730 to 2030 on 612 and 1080. BBC-MS

MACAU: The two services in Macau are operating as follows:- Government stations on 900 and 1197. Commercial stations on 735 and 858. Note that the 735 outlet has not moved to 738. R.M.I.

A.Cutler. R.Crawford. Plus One Unnamed Entry which Qualifies BROADCAST. R.Crawford.

## ANARC 1980

⑥

Since last month, we have learnt that two more NZers and League members will be joining Barry Williams at the 1980 Convention in California. They are Bryan Marsh of Auckland and Tony King of Wellington. We understand that Tony has been asked to address the Convention and that he will be taking along some goodies from RNZ. We wish them all a very pleasant visit and look forward to hearing from them on their return.

## Subscriptions

During the past year MAGCOM has recommended to ADCOM that, in view of continuing escalation in costs, the method of collecting subscriptions should be reviewed. At present these fall due on the anniversary of the members joining the League. This system involves quite a lot of administrative work in keeping up with renewals month by month and is quite expensive in terms of stationery and postage costs. A much simpler system would be for all subscriptions to become due and payable on the first day of each financial year, namely 1 September. Apart from the saving in cost, there are other advantages apparent of which the most obvious is that the League's income would be known very early in the year and it would in consequence be much easier to budget. It is appreciated that there might be some inequity in the first year and to overcome this, it has been suggested that where a member's subscription would be due for payment between 1 September 1980 and 28 February 1981 a FULL year's subscription should be paid. Those members who would under the present system renew between 1 March and 31 August 1980 would pay a HALF year subscription. The proposed system is one used by many clubs and other organisations.

Now that the Minister of Finance has seen fit to add a hefty 40% to internal postage costs and 16% to overseas rates and when other cost increases are in view it is hoped that members will support the proposed rationalisation. Ed.

## DX round Cape Horn

A few months back we mentioned that Fred Clements was leaving for a two year cycle trip around Europe. He is now back in New Zealand having been injured in three spills in a single afternoon as a result of the suction created by articulated trucks travelling at 100 km/hr. He comments 'If you go to Greece, drive an armoured car and take a machine Gun.' Sorry about that, Fred, and hope you make a full recovery now you are back home.

Fred sailed to UK on the USSR ship 'Taras Shevchenko' via Cape Horn. Until they approached the Horn DX was poor and he nearly froze on deck getting BBC news for interested people. Most reliable was 15070 kHz. Many big stations were heard poorly excepting - you've guessed it - Moscow which boomed in all over the dial. About 600 miles this side of the Horn the MW stations of Chile, Peru, Ecuador and Colombia came in after dark with some Argentinians, Brazilians and Venezuelans. In the South Atlantic there were the Argentinian, Brazilian, Uruguayan etc. MW and SW by night and SW by day. WWV faded out and LOL came in and stayed for 10 days until Las Palmas. BPV was also heard. While the ship was off the coast of South America, Africans were poor until Tenerife when the smaller Europeans started to come in too.

In Greece (from a hostel) there was a profusion of European and some N.African MW and lots of nice national music even from 2 - 10 kW stations up country. USB Hams galore on 28.5 MHz and UK mobile hams talking about pubs on their holiday. SW stations came in from all over. At 1800 Z Australia 11800 KHz was drowned by a big Russian but Hanoi, Tokyo, Peking were regulars and RSA on 9590 and 25790 kHz were very strong. Islamabad was heard at 1830 Z on 21730 kHz. Fred says he was unable to do any serious DX as he did not feel well and returned to London by bus and train. He does mention, though, that in Pristina (S. Yugoslavia) at 1910 Z FM 88.5 MHz he heard Moscow World Service news in English and that while in Greece at Ioannina (up north) he heard the announcement of Tito's death from R. Titograd, Yugoslavia on 94.9 MHz.

Well, thanks for that. Hope to hear more when you have settled down and are fully recovered.

## SONY CRF-1

⑦

Earlier this week this sophisticated new receiver was demonstrated to me in the workshop of Email Industries by Siri Agalawatta, who is himself a member of the League. I cannot pretend to comment on the technical qualities of the receiver but can say that I was very impressed by ease of operation and apparent performance in a rather unfavourable environment. This set and an ICF-2001 are going to Arthur Cushen for evaluation - the latter particularly as suitable for use by blind persons. From there it will go to Tricity House, Christchurch, for a few days before returning to Wellington. Prices quoted by Email are ICF-2001; for Amateurs - \$328, for DXers - \$519. CRF-1: for Amateurs - \$1672, for DXers - \$2661.

The CRF-1 is a one band receiver covering from 10 Khz to 30 MHz. An analog scale is provided for quick search with a digital frequency display to 100 Hz. It is hoped that a full report on these two receivers will be available in the future.

While on receivers, Robert Logan advises the following Tricity House prices: FRG-7: for Amateurs \$439, for DXers - \$706. FRG-7000: for Amateurs - \$774, for DX-ers - \$1218.



日本BCL連盟

## JAPAN BCL FEDERATION

The Far East Radio Club centred in NAGOYA is the first Medium Wave DX Club in Japan. It publishes a monthly bulletin 'Log' and an annual 'Log-Index'. The latter contains lists of Far East stations (Taiwan, China, S. & N. Korea, Mongolia and Japan monitored by members as well as a listing by frequency of stations in Asia, Pacific, Europe, Near & Middle East and Africa. 'Log-Index' may be obtained from Atsunori Ishida, 30-4 Genemon-shinden, Ueda Tenpaku-ku, Nagoya City, Aichi-ken 468, Japan. Price: US\$4. The Club is seeking active overseas members.

## JAMBOREE - 1981

The Ninth New Zealand Scout Jamboree is to take place at the Tomoana Show Grounds, Hastings, from 2nd to 21st January 1981. It is expected that there will be about 8000 Scouts at the Jamboree or whom about 1000 will be coming from overseas including Great Britain and the United States.

It is hoped to set up a SW Listening Post both to introduce those attending to SW Listening and also to enable the overseas contingents to hear news and messages from their own countries. Any DXer, SWL or other reader of the 'Times' who would be willing to make themselves and their receivers available during the Jamboree is asked to contact JACK SEARLE, 2 Shrimpton Road, Haumoana - Telephone: Napier 56889 Extn.81 (Office) or Haumoana 761 (Napier area -Home)

Jack will liase with the local organisers

## market square

FOR SALE: FRG-7000 in new condition, six months old. Reason for selling - 'Gone National'. \$800-00. B.D.Reid, c/o Post Office, Pukerau, Southland.

WANTED: Plans for Rohn Tower with provision for rotator. R.S.Logan, 10 Cobham Crescent, Kelston, Auckland 7.

## dx in ussr

DX-ing is not an organized hobby in the USSR. There are clubs for amateur radio operators, not DX-ers. The Central Radio Club is located in Moscow. Ham Clubs are run in large cities, in the countryside, by industrial facilities, farms etc. There are over 50,000 Hams in the USSR and the Soviet is a member of the IARU.

From: Radio Moscow via Jack Searle

## antennas

8

THIS is the first of a series of articles by BARRY WILLIAMS, Auckland. The second will deal with the 'Half-Wave Dipole' and later ones on different types used successfully in NZ. Ed.

One of the most regular questions I am asked by newcomers to SW listening is: 'What sort of antenna should I use?' As most SWs, like myself, live on a 1/4 acre section in a suburb, my usual reply is: 'Put up a length of wire as long and as high as possible.' On reflection I realise this is not entirely satisfactory and the subject should be taken a little further. First a few basic antenna principles for the beginner.

Antennas receive and transmit radio waves - Current flowing through a wire creates an electro-magnetic field around it. When the current varies in strength or changes direction, the field is affected. When the frequency or direction change is high, the magnetic field moves away from the wire and travels through space. These higher frequencies are RADIO FREQUENCIES or RF.

Passing RF currents through a long wire causes the magnetic field to move through space and be radiated. This field can then eventually pass through another long wire. The wire through which RF current passes is a TRANSMITTING ANTENNA. The radiated magnetic current then passes through a RECEIVING ANTENNA. The magnetic field is a RADIO WAVE.

How to find Wavelength - An antenna acts the same whether it is transmitting or receiving. To work most efficiently, however, its length must have a relationship to the frequency of the radio wave. Radio waves travel at the speed of light, 300,000,000 metres a second. For example, if a radio wave had a frequency of 300,000,000 hertz or cycles, then 300,000,000 cycles of wave would pass some point every second. Since they move at 300,000,000 metres each second, each cycle is then one metre in length. This is WAVELENGTH.

To find wavelength, divide the frequency in hertz into 300,000,000. Example:

$$6 \text{ metres} = \frac{300,000,000}{50,000,000}$$

$$50 \text{ megahertz} = 50,000 \text{ kilohertz} = 50,000,000 \text{ hertz}$$

Inside an antenna - Antennas have a RESONANT FREQUENCY - a specific frequency where INDUCTIVE REACTANCE and CAPACITIVE REACTANCE are equal.

### INDUCTIVE REACTANCE

- ability of wire to generate magnetism is inductance.
- frequency of ac voltage flowing through wire affects current flow.
- combined effect of frequency and inductance on current flow is INDUCTIVE REACTANCE.
- measured in ohms.
- the greater the inductive reactance in ohms, the lower the current flow.

### CAPACITIVE REACTANCE

- ability of capacitors to store electrons is CAPACITANCE.
- the smaller the capacitance, the smaller the current flow.
- the factor in the capacitor which limits the current flow is the CAPACITIVE REACTANCE.
- measured in ohms.

Inductive and capacitive reactances act together to limit current flow. When they are equal at the RESONANT FREQUENCY the maximum amount of current flows. This circuit is then said to be TUNED.

How long should an antenna be? - Every frequency has a wavelength. The antenna's length is cut in proportion to the resonant frequency's wavelength. An antenna's resonant frequency is changed by changing the length of the wire. A circuit's opposition to the flow of current is called its IMPEDANCE. This is the net ohmage after inductive reactance and capacitive reactance are subtracted. Impedance is zero at the resonant frequency.

There are many kinds of antenna. None is perfect. The effectiveness of antennas is usually compared to the HALF WAVE DIPOLE which will be discussed in the next article in this series.

# SW MAILBAG<sup>9</sup>

with JOHN ALLCHIN

Into yet another edition of Shortwave Mailbag this month, which includes delacacies such as Bhutan, Kampuchea and Greenland amongst others. Special greetings to Barry Williams and Bryan Marsh of Auckland who are currently on their way to the 1980 ANARC Convention in Irvine, California - hope you have a great trip and we'll look forward to detailed reports on your return to New Zealand! Now to the mail .....

BRYAN CLARK Auckland, has reported five and verified Budapest 21505 and RNZ 11945.

EVAN WATTS Auckland, a new contributor this month has reported 16 and QSL'd Vanuatu 7260, RN 9715, 9770, Sweden 11705, AFRTS 15430, & RSA 21535. Welcome Evan, report in often!

IAN CATTERMOLLE Blenheim, one of the few to verify Kampuchea has it back this month for 11940 - other veries are DW 15120, Peking 15120, RN Bonaire 17695, Vatican 11810, VOFC 15270, 15225, 17720, Aquidauana 4795, Surinam 4850, Moscow 17845, 15110, 9710, Malaysia 9665, Suddeutscher 6030, Fuzhou PLA 6765, 4380, 5170 RFI 11800, 11840, 21570, Athens 17830. Some good ones there Ian!

BILL LAUDER Christchurch, has QSL'd Israel 11637, BBC Antigua 11775, ORU 15385 with penant, REE 11880, RCI 15325 and Peking 15120, with a badge. Thanks Bill.

TIM AUSTIN Bluff, has them back from RN Bonaire 21640, Lopik 17605, Madagascar 11735 with personal phone book, KTWR 11840, HCJB 11835, NHK 15270, 15195, 15235, SFR 9630, 11775, ORF 12015 with sticker and ORF mag, WYFR 11855, 17845, Sweden 15290, Peking 11720 15225, RNZ 15345, 6105, Budapest 17785, RFI 25820, 21620, Portugal 15125 and Peace and Progress 19mb. No need to list previous QSLs Tim, you're obviously getting quite a lot out of the hobby with those courses, well done!

BILL MANNIX Fiordland National Park, reports little time to DX due to extensive fieldwork, but a couple in from Dubai 21500 (2 QSLs) and HCJB 26020. Nine reports are in the mail.

BRIAN WEBB Upper Hutt has been busy with 41 reports out and veries in from WINB 15250, WYFR 15130, Pyongyang 9420, YJB-4 3945, YJB-7 7260, VLR-9 9680, Vatican 15120, RN Madagascar 6020, 15220, SRI 9535, 11715, 15125, 21520 and 21585.

JOHN MAINLAND Wellington, has QSL'd Jos Nigeria 5965, HCJB 15155, 15435, WYFR 9715, 21510, 17845 Lisbon 21530, and a good one from Ethiopia 9560.

CECIL SYMMES Wellington, has three in from RN Lopik 17605, Tanzania 4785 and N. Antilles 5965. What's that last one Cecil?

BARRY WILLIAMS Auckland, has one in from Jos Nigeria 5965.

PETER JONES Hamilton, has verified seven new countries - Kenya 4934, Ghana 4915, REE Canary Islands 15365, AWR Andorra 6220 RMI via Sri Lanka 11835, Jordan 9530, HRVC 4820 plus Penang 7295, IBA 11637, RBI 21465, RCI 7295, Plateau 5965, VL2UV 1750, KTWR 17855 with their special QSL, bringing the country total to 107!

## RADIO LA CRUZ DEL SUR

CAJON 8 - LA PAZ - BOLIVIA

JIM GORMAN Papakura, has reported 17 and QSL'd RM Armavir 21450, Dushanbe 17765, Irkutsk 21690, Lvov 11720, Minsk 15150, Moscow 9810, Serpukhov 9795, Tashkent 11835, NHK 17870, Peking 15120, WYFR 11805 AFRTS Bethany 9575, Greenville 9585, RMI via Sri Lanka 15120 with pennant, ORF 15560 Pakistan 21730 plus NZRDXL 30th Anniversary Award. Thanks Jim!

PAUL ORMANDY has logged five and verified HCJB 26020 and VOA Rhodes 5965 in 14 mths!

M. BURKE Christchurch, reports QSLs in from Austria 21640, Belgium 15175, IBA 11637, Peking 9460, Spain 9630, SRI 11715, Moscow 11920, AFRTS 21570, VLH-15 15230, VLR-6 6150, VLR-9 9680, VLW-15 15425, NHK 15235 and 17810.

OWEN CULLEN Hikurangi, has QSLs in from Dubai 21485, and KTWR 11840 with Commemorative QSL for 'DX Listener's Log' prgm. Front of card shows station call letters and a sketched picture of transmitter site with radio waves reflected off the F2 layer to target areas, all in pale green with black printing on white card. A nice one to have!

GREGORY BAKER Auckland, has sent five out in the past few months and QSL'd Nigeria 4990, Chile 17800, Vanuatu 7260 and HCJB 26020.

PAUL SCHNELL Palmerston North over the last two months has sent five away and has heard from Northern Districts 2468, SRI 9640, RN 9715, Peking 9420 and Vanuatu 3945.

ALEX WELLNER Sydney, N.S.W. has verified BBC Masirah 15310, WINB 15145, HCJB 26020, and Denmark 15165.

IRENE SIMPSON Invercargill has one back for HCJB 26020.

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### BEST OF THE MONTH

UNDER 9 MHz  
PETER JONES with GBC Accra, Ghana on 4915 kHz with 10kw. 120 Points

OVER 9 MHz  
BILL MANNIX, PAUL ORMANDY, ALAN GILMOUR GREGORY BAKER, and IRENE SIMPSON with HCJB Quito Ecuador on 26020 kHz with 100 watts. 138 Points

NICHOLAS PACEY Auckland, has verified AIR 15110, KTWR 11840, Kiev 15180, KBS Seoul 11810, Vanuatu 7260 with pennant and Radio Rhema, Christchurch 1575 MW. Nice going Nicholas.

LINDSAY ROBINSON Invercargill, has logged two and has QSLs in from Peking 6500, REE 9630, Vatican 6190 and Vanuatu 7260 for country no. 117!

ARTHUR CUSHEN Invercargill, has verified NHK via Sines 15180, 15435, Radiobras 15125 Vanuatu 7260, ORU 15385, TIPC 5055, 6175, KTWR 15230, RSA 9715, REE 5970, Moscow 17765 ORF 21630, 21575, Moscow 21450, Vatican 11830, Greenland 9575 (a nice one), Liberty and Garoua 7240. That last one isn't too common Arthur!

A.F.N. BARNES Masterton, advises a QSL back from Radio Norway 21730. Certainly hope you have a speedy recovery.

DES DAVEY Te Kuiti, has logged four, but has no QSLs back this month.

KEN NEWTON Auckland, has veries in from VOA 15245, Moscow 15245, and H4B5 Solomon Islands 5020. Yes, know what you mean about that last one.

That's it for this month - keep sending those contributions in! 73 John Allchin.



Radio CORDAC

B.P. 1140  
Bujumbura, Burundi, Afrique

RADIO CLUBE DE MOÇAMBIQUE (BEIRA - DONDO)



TRANS WORLD RADIO

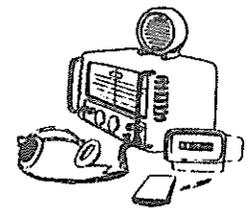
P.O. Box 141  
MONTE-CARLO, MONACO

la voix du liban

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### SHORTWAVE BANDWATCH

with BARRY WILLIAMS of Auckland



Over the last week I was reminded of a basic fundamental of shortwave listening; how conditions can change on a band from day to day. At the last Auckland Branch meeting Bryan Clark told me of his logging of Zanzibar on 3339 khz. Good copy with a full identification heard. I know Bryan had been listening for Zanzibar for some weeks and finally he had made a good logging. I got around to listening on 3339 khz on Sunday morning July 8th. A very weak signal - unloggable. The following morning I listened again. Amazingly a good signal for 90 metres. A good logging made and yours truly very happy. The two following mornings I listened again. Very weak signals and unloggable. What I call a good signal for 90 metres is one where perhaps 25 - 50 % copy of an English language. Anyway what I wish to stress is that conditions change from day to day. A station may be reported as well heard. You listen and find it weak and unreadable. Then listen again and again and perhaps again. That station may only come in well one day that month and you have to be listening that day. DO NOT EXPECT that station to be well heard every day. This is a basic rule of good DXing - regular listening - waiting for that day when the wanted station comes through at a loggable level. This is going to take time and patience. So to the newcomer, dont expect to just tune into the frequency and expect to hear that station. It may take several weeks of constant listening to catch it.

All times are GMT. Add 12 hours for New Zealand standard time. Freq. in khz

FREQ	TIME	COUNTRY	STATION	PROGRAM AND RECEPTION DETAILS	INITS
2340	1130	CHINA	Fuzhou	fair to good	MB
2340	1150	PAPUA NEW GUINEA	R. West New Britain	Fair under China	MB
3220	0907	ECUADOR	HCJB	Good with Quecha program. PO / Poor, Religious	CS
3230	1850	SOUTH AFRICA	RSA	Poor opening in Portuguese. //4990	BC
3255	1830	NIGERIA	? Station ID 1900	English to 1915. Poor signal	CS
3322	1210	PAPUA NEW GUINEA	Nth. Solomons	variable strength 1920 Eng. music, very good signal AK / 1140 VG in Pidgin	CS
3326	1840	NIGERIA	Lagos	Sports commentary. Fair to good	DF
3339	1900	ZANZIBAR	Good with ident and news in Swahili followed by music until s/off 2000 with anthem. 4/7		AK
3366	0532	GHANA	GBC	s/on English. fair to good	BC
3915	1815	SINGAPORE	BBC	Good with world Service	PR
3945	0927	NEW HEBRIDIES	R. Vanuatu	News in English and French	AK CS
3970	1833	CAMEROUN	Buea	Fair with National Service, news	SW
4000	1838	CAMEROUN	Boufoussam	Eng news fair, Relay Yanunde. Power 20 kW	PR
4680	1001	ECUADOR	R. Nac. Espejo	Andean music, Spanish, V.Gd. sig	BC PR JM
4770	0443	NIGERIA	Kaduna	Vernaculars and English. EE ID. Fair	DEM
4775	0705			0500 Excellent level with English till 0530. First hrd. 11/6	BC
4785	2053	BRAZIL	La Voz do Oeste	ID at 0729. V. Good with time checks	DF
4790	2027	TANZANIA	Dar es Salaam	Good till s/off 2105	PR
4800	1035	INDONESIA	Fak Fak	s/on with chimes and march	CS
4800	0533	VENEZUELA	R. Lara	Good signal in Spanish	AC
4804	2000	ECUADOR	R. Popu ar Independiente	Spanish ID, GRM R. Moscow	TA
		KENYA	Nairobi	Good with English news, Bad het. notch filter needed.	CS
4807	0530	SAO TOME	R. Nacional	s/on with anthem and Portuguese ID. Also heard 1844 past 2000. ( Hope you can verify them Bryan )	BC

FREQ	TIME	COUNTRY	STATION	PROGRAM AND RECEPTION DETAILS	INITS
4820	0923	ECUADOR	Ambato	s/on with March and announcement in Quecha	AC
4830	2013	GABON	Francisville	Poor with African music and vernaculars	JM
4835	0503	SOUTH AFRICA	SABC	Good with English news and weather . 0445 RSA in English . music . Good .	DF AK
4845	1916	MAURITANIA	R.Mauritania	Good in French	PR
4850	0503	CAMEROUNS	R. Yaounde	News in English with fair signal .	TA AK
4855	0715	BRAZIL	R.Clube do Para	Fair with Portuguese music and ID .	DF
4875	1101	INDONESIA	RRI Sorong	Popular music . Brief news 1129 .	DEM@
4911	2002	ZAMBIA	R.Zambia	Good in Vernaculars . Hrd to past 2110	BC FR
4915	0530	GHANA	Accra	Good with music .	AK
4934		KENYA	Nairobi	Peter Jones has advised that on his CSL from Kenya for 4934 khz they wrote the following . " Transmitter 4934 khz is located near Nairobi .Vernacular service with English on Sundays GMT .....( Many thanks Peter for clearing this up . ED)	
4935	0500	PERU	R.Tropical	Fair with ID , anthem and close down .	DF
4965	0759	COLOMBIA	R.Santa Fe	Fair with usual musical program .	IW
5010	0430	CAMEROUNS	R.Garoua	good at s/on .	AK
5026	1754	UGANDA	R.Kampala	Swahili then news in Eng. at 1815 . Poor	JM
5040	0707	PERU	R.Libertad	Very good in Spanish with music . 0620 Good with Happy Birthday music at this time	IW OC
5062	1050	ECUADOR	Loja	apparently FM.Progresso , Light music .	DF
5075	0900	COLOMBIA	R.Sutatenza	Good reception , Spanish .	TA
5095	1120	COLOMBIA	R.Sutatenza	VG with ID at 1126 .	DF DEM
5930	2015	CZECHOSLOVAKIA	R.Prague	Good signal .	MB
5945	2058	AUSTRIA	ORF	Opens with ID in various languages . GG prog.	CS
5950	0359	SWAZILAND	TWR	IS then ID in English . Poor in Afrikaans .	JM
5955	0615	BRAZIL	R.Gazeta	Strong by 0700 with ID 0713 .	OC
5960	1438	MALTA	R.Mediterranean	Good with EE News . ID at 1843 .	BC
5960	0100	CANADA	RCI	Fair signal .	MB
5965	0917	BRAZIL	R.Cuaiba	Fair with Latin music .	CS
5965	1725	MALAYSIA	Kuala Lumpur	Poor in Malaysia , music and news .	CS
5980	0558	SIERRA LEONE	SILBS	s/on in EE and vernaculars . 0700 relays BBC World news .	FR AC
5970	1000	KOREA	Seoul	English now for an hour . // 9870 khz .	AC
5990	0550	FRANCE	RFI	Station ID in French .	CS
6005	0511	ASCENSION	BBC	Fair with English to Africa .	CS
6008	0625	COSTA RICA	R.Relej	Spanish station ID , Spanish .	MB
6025	1040	PORTUGAL	Lisbon	English news , fair .	CS
6050	0542	NIGERIA	Ibadan	English annos. African music , Commercials , News 0600 .	JM
6060	0809	ARGENTINA	LRAI	Very good with LA music . IW / 0620 VG	DF /
6075	1042	COLOMBIA	R.Sutatenza	Excellent with ID JS / 1028 with fair signal .	CS
6085	2103	USSR	Tallin	Chimes interval signal , Poor in Swedish opening	JM
6095	0601	ECUADOR	HCJB	Good in EE with variety program	JG
6100	0718	YUGOSLAVIA	Belgrade	Poor with commentary in English .	CE
6120	0610	ARGENTINA	Buenos Aires	VG signal in Spanish .	DF
6135	0205	POLAND	Polonia	English transmission , Fair .	TA
6140	1012	AUSTRALIA	ABC	Perth , Poor in English .	CS
6160	0718	COLOMBIA	RCN	Poor with Latin music .	CS
6165	0533	NED. ANTILLES	RN	English news , fair . Transmission to NA	JW CE
6180	0740	GUATEMALA	R.Nacional	Peaks 0830 , "La Voz de Guatemala " Annnc. as " External Service " . Good to VG .	OC DF
6207	0756	INDONESIA	RRI Biak	IS and s/on , improving signal .	BC
6220	1830	ANDORRA		English Service , fair signal .	PR

FREQ	TIME	COUNTRY	STATION	PROGRAM AND RECEPTION DETAILS	INITS
6260	0520	UNIDENTIFIED		Heard Sunday 22nd . Program of older recordings . Weak signal . Frequent announcements but unreadable . Faded out by 0600 . Not heard since . Any ideas ?	DF
6550	1815	LEBANON		Voice of Lebanon , Good with English news .	JS
7105	2045	SPAIN	REE	DX program Sunday NZ : strong in English	JS
7130	2102	GERMANY	FED.REP? DW	VG in English to Asia , Aust/NZ	JS
7135	0600	MALTA	Lybia	Opening music then annos.in Arabic , Fri.only	JM
7170	0521	GREECE	VOA Kaval	Good with English news .	JW
7250	0340	MONACO	TWR IS	then Gospel program , Fair in German .	JM
7260	1958	GERMAN	DEM.REP. RFI	Fair in English .	JS
7300	0840	ALBANIA	R.Tirana	Fair signal in English .	MB
9475	0200	EGYPT	R.Cairo	Fair in English .	TA
9495	0625	MONACO	TWR	s/on with English ID .	DF
9510	1100	USSR	RM.	strong with English news .	JG
9560	0300	USSR	R.Kiev	Good with English transmission .	TA
9565	1000	NSA	United Nations	News , Saturdays only .	JG
9565	0936	KOREA	SOUTH	Seoul , new freq. in Spanish . VG signal . Also reported as 9570 khz // 9870 khz .	DEM@ AC
9575	0945	USA	AFRTS	Sports program // 9590 khz .	JG
9585	0600	SOUTH AFRICA	RSA	Opens English . Severe QRM	JS
9590	0615	CANADA	RCI	News in English , good .	JS
9615	2200	GREECE	Athens	s/on but 2210 blocked by Vatican .	AC
9630	0530	SPAIN	REE	Very good signal , Spanish music .	MM
9635	2350	BRAZIL	R.Aparacida	Pleasant music . Port. ID 0001 & 0015 .	DF
9650	0725	GUINEA	Conakry	French . closes with chanting of " Viva la Revolution " and anthem . Weak signal .	DF
9650	0535	GERMANY	FED.REP. DW	Fair signal in English .	MB
9710	0900	ECUADOR	HCJB	ex 9705 khz . German at 0930 .	AC
9715	0500	USA	WYFR	s/off in English then moved to 9715 khz . Good .	OC
9715	1200	USSR	R.Tashkent	s/on English . Mixed HCJB , Fair .	OC
9715	0903	NETHERLAND	ANTILLES RN	VG with " Stamps " JW / 0730 // with 9770 khz EW / 0830 good fair in English MB / 0800 MM .	MM
9745	2130	IRAQ	Bagdad	Fair with English news . / 2030 Good English.	AC JS
9770	1308	AUSTRALIA	RA	Excellent with News in brief .	JW
9800	0300	USSR	Kiev	English to 0330 . Freq. not announced .	AC
11610	2102	INDIA	AIR	Good signal . " India Exports "	MM
11620	2108	INDIA	AIR	Fair with English news and commentary .	CS
11680	0230	GT.BRITAIN	BBC	Spanish and English . ID as " Radio Rainbow " ( Was this a program ID ? Ed.)	OC
11705	1330	AUSTRALIA	RA	Excellent . " Matter of Fact " .	JW
11720	0830	CHINA	R.Peking	Fair in English with news and reports .	JW
11770	0036	USSR	RM	English . Program on tourism .	JG
11825	0540	TAHITI	Papeete	French . Island and C&W music .	DEM@
11825	1221	MONGOLIA	Ulan Bator	IS and English ID , News and music .	JN
11835	1100	SRI LANKA	R.Monitors International	English DX program to 1130 . // 15120 , 17850 khz .	JG OC
11835	1012	HAITI	4VEH	Gospel in Spanish . Full ID 1015 . Good sig.	DF
11840	0929	GUAM	KIWR	" DX Listeners Log " VG signal . 0830 with Religious prog. Fair signal	DEM@
11855	0729	CZECHOSLOVAKIA	R.Prague	Tuning sig. ID in English .Very good	DF
11885	0045	URUGUAY	SODRE	Closes at 0100 but severe jamming .	AC
11885	2050	TURKEY	V.of Turkey	DX Program . Fair in English , 2100 Jam.	JS
11890	0840	PHILIPPINES	FEBC	Poor signal . English	MB
11890	0040	NED. ANTILLES	TWR	Bonaire , testing to Asia	AC
11900	0630	ECUADOR	HCJB	Poor signal with religious program . 0955 Good in English . " Musica del Ecuador "	MM CS

ARTHUR CUSHEN'S SHORTWAVE REVIEW

FREQ	TIME	COUNTRY	STATION	PROGRAM AND RECEPTION DETAILS	INITIALS
11905	0350	ITALY	RAI	English news, mixed DW after 0400.	JG
11905	0530	GERMAN FED. REP.	DW	.Ex in English, News to NA.	JW
11910	0402	EQUADOR	HCJB	, "Hour of Decision". Good	JG
11915	0320	BRAZIL	R.Gaucha	. closes 0325.	AC
11925	0330	PORTUGAL	Lisbon	, VG signal. Cultural program.	MM
11930	0625	LIBERIA	ELBC ?	, Fair blocked 0630. (Perhaps ELWA - Pd.)	MB
11955	0445	PORTUGAL	TERRA	, English Gospel, Good. Ex 11910 khz.	JM
11975	0118	GERMAN DEM. REP.	RBI	, Strong in German.	EW
12050	0200	EGYPT	Cairo	, English with improving signal.	TA
12175	1200	ICELAND	Reykjavik	, Sudden s/on after handling marine traffic; Anthem followed by ID, news and weather. QRM from teletype on 12176 khz. Used LSB exalted carrier. (yes Paul, hard work-but worth it - ED)	PO
15110	2100	INDIA	AIR	, Good in English.	JS
15125	2105	BRAZIL	R.Brazil	, s/off in English. Severe QRM.	JS
15125	0420	TURKEY	VOT	, s/on with IS. Over jamming.	OC
15175	0020	BELGIUM	R.Belge	, Strong in English	EW
15180	2201	PORTUGAL	NHK	, Good with English news.	JG
15235	0946	JAPAN	R.Japan	, "Salad Bars" Good but some QRM.	JW
15275	0030	USSR	R.Kiev	, News in English	JG
15275	2200	NED. ANTILLES	TWR	Bonaire, Strong opening in French	JS
15295	0840	MALAYSIA	V of Malaysia	, Good with news and comment. Eng.	ME JW
15310	0330	BULGARIA	R.Sofia	, Strong EW / 2110 English had QRM	JS
15365	1450	GUAM	KTWR	, Fair with DX program Fridays.	AC
15425	2345	AUSTRALIA	VLM15 ABC	, VG ABC news.	DF
15460	1200	USSR	R.Tashkent	, Good with English news.	JG
15485	2202	NEW ZEALAND	RNZ	, Fair with news.	JG
15550	0930	CHINA	CPBS	VG with Chinese program.	JG
15710	0630	CHINA	CPBS	, VG with transmission to Taiwan and Hongkong.	JG
15790	0900	MALAYA	Voice of the Malaysian Revolution	, Good signal.	TA
17595	0118	PAKISTAN	R.Pakistan	, ID in English.	EW
17718	2010	ALGERIA	R.Alger	, Eng. news, ID and Pops, Fair signal.	JM
17775	0630	UNITED ARAB EMIRATES	Dubai	, ID in Arabic, Arabic program	JM
17800	0100	GUAM	KTWR	, DX Program Thursday.	AC
17870	0800	JAPAN	NHK	, Good in English with news and comment.	JG
21480	1945	EQUADOR	HCJB	English news and commentary	CS
21490	0821	USSR	RM	, Excellent in Eng. // 21535, 21585 khz	JW
21510	2258	USA	WYFR	s/on German, good, Family Radio.	BC
21520	1900	FRANCE	Paris	, VG French ex 21515 khz, //21580, 21620 khz	BC
21520	0704	SWITZERLAND	SRI	, Good English news.	CS
21520	0745	USSR	RM	, Non stop music.	MM
21545	0536	KUWAIT	R.Kuwait	, English news and weather, music, good.	CS
21608	2100	KOREA NORTH	Pyongyang	, s/on with JJ till 2250, Fair sig.	BC
21660	0545	CYPRUS	BBC East Mediterranean Local ID	at s/on then World Serv.	BC
21725	0550	ALGERIA	R.Algers	, Arabic Service all day -night. excellent	BC

MB M.Burke ; LW Evan Watts ; DF Duncan Fraser ; MM Mark Furrell  
 JG Jim Gorman ; AK Arthur Kindell ; JS Jack Searle ; TA Tim Austin  
 OC Owen Cullen ; PO Paul Ormandy ; LW Ian Wells ; PR Paul Rawdon  
 CS Cecil Symes ; AC Arthur Cushen ; JW Jim Webb ; BC Bryan Clark  
 DEM@ Don Mitchell Vic.Aust. PJ Peter Jones. Thanks to all and this month managed to fit most of contributions in. Good listening and see you again in September. Forget JM John Mainland, sorry John.

PS. Today is the 12th. Zanzibar not heard again since the 7th. Faint signs of it only. Ed.

Latin American signals are at their best during our late afternoon and evenings with many signals from Brazil being noted around 0800 onwards in the 60- metre band. Interesting African signals at dawn continue to be received while the reception of stations in Uruguay are highlighted this month. This is part of the script of New Zealand Calling, broadcast at 0530 on 15345 and 17860, and at 0845GMT on 6105 and 11945kHz, on Monday June 30. All times are GMT, 12 hours behind NZST. All frequencies in khz.

ALBANIA: Radio Tirana on 9745 heard with English 0200-0300. This frequency replacing 9750.

AUSTRALIA: The new radio for the Print Handicapped in Melbourne is now testing on 1705kHz, 1000-1200GMT. The station has the power of 500W and the call 3RPH. (Radio Print Handicapped). The address is: P.O. Box 123, Hampton, Victoria. (Via Peter Walsh).

BONAIRE: Trans world Radio on 11890kHz heard testing to Asia to 0040GMT. Then heard on 11925kHz in English 0045-0135GMT.

BRAZIL: Radio Nacional at Rio De Janeiro heard on 9705kHz with sports relay till closing at 0300GMT. On 11915 Radio Gaucha heard closing 0325GMT.

CZECHOSLOVAKIA: Prague has a new schedule which includes the use of 21705 replacing 21700 to Australia and New Zealand. The broadcast in English are 0730-0800, 0830-0900 and Saturdays, Sundays 0900-0930 on 11855, 17840 and 21705kHz.

EQUADOR: HCJB on 9665kHz in Russian 0430-0530. Heard on 9710 replacing 9705 with a broadcast in German at 0930GMT.

GERMANY: Deutsche Welle with English to Australia and New Zealand 0930-1030 is using 15160 in place of 15235kHz.

GREECE: Athens is using 9615 from 2200 mixed with Vatican Radio, while 21455 is now used to Australia at 0900GMT but suffers from severe jamming.

GREENLAND: A verification card shows that 3999kHz is the only frequency used on shortwave. The station was heard in February opening at 1015GMT on 9575kHz.

GUAM: KTWR has replaced 17835 with 17800 for DX Listener's Log, Thursday 0100.

IRAQ: Baghdad 9745 well received 2130-2230 in English.

KOREA: Seoul has increased its English language broadcasts to one hour for each transmission from June 16. The complete schedule is extensive but the best signal in this area is 1000-1100GMT on 9570, 9870, 11725 and 15570kHz.

LEBANON: Beirut 15375 heard opening in French at 0130 and English 0230-0300.

NEW HEBRIDES: Vila Radio Vanuatu on 3945 and 7200kHz heard with English at 0830-0845 Monday to Friday only.

NEW ZEALAND: Radio New Zealand will use another out-of-band frequency from October 26. This is 11650 and will operate 1700-2000GMT, while 15485 will be extended and will operate 1700-0600GMT.

SIERRA LEONE: Freetown heard on 5980kHz music and commercials up to 0700GMT then a relay of the BBC World News.

SOUTH AFRICA: RSA Johannesburg 9585kHz heard opening 0250, while 9610kHz closes 0250GMT.

SWEDEN: Stockholm 17740kHz in Spanish 2230-2300 but mixed with VOA. 21690 English to Australia and New Zealand 1100-1125 now suffers interference from Radio Moscow. 15315 has replaced 15290 with English 0230-0300.

UKRAINE: Kiev in English 2000-2030 7175, 9560, 11880kHz and also 0300-0330 on 9800 (this frequency not announced), 11735, 11790, 15170, 15405 and 17870kHz.

URUGUAY: El Espectador 11835kHz heard at 0230 after BBC closes and HCJB opens. Sodre 71885kHz heard closing at 0100GMT.

# ..sign off..

with JOHN MAINLAND

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ITALY RAI EE sked:0100-0120 11800,9575; 0120-0140 17795,15330,11905;0425-0440 7275,5990;1935-1955 11800,9710,7275; 2025-2045 11800,9710,7235;2200-2225 15320,11800,9710. BBC MS

EAST GERMANY RBI EE:0000-0045 11975, 9730;0130-0215 11975,9730;0230-0315 11975,11890,11840;0345-0430 11795,11720; 0545-0630 21540,21465,17700;1100-1145 21540,21465,17700,15320;1215-1300 21485, 1300-1345 21540,21465,17705;1315-1400 15285,15240,11700,9730;1400-1445 21540, 17700;1515-1600 11979,9730,7185;1645- 1730 7185,6115,6080;1700-1745 15170, 15145,11969;1815-1900 7185,6115,6080; 1900-1945 15390,9665;1930-2015 7260; 2030-2115 6115,6080. BBC MS

ARGENTINA Radio Nacional, Buenos Aires, reported on 22nd May that it would extend its broadcast day from 25th May to include the hours 0500-0900. BBCMS

CHINA Domestic sce oxs in minority languages from the Central People's Broadcasting Station in Peking are: 0030-0125 Uighur 9920,8566 Urumqi; 0800,3900;0130-0225 Kazakh 9920,8566 Urumqi;5440,4970;0400-0455 Korean 9900,8566;0500-0555 Mongolian 11375, 8566 Hohhot;6974,4010;1000-1055 Korean 8566;1100-1155 Tibetan 15500, 11000 Lhasa;9490,5995,4035;1200-1255 Mongolian 8566,6430;1300-1355 Uighur 15500,11775,11000 Urumqi;3800,3990; 1400-1455 Kazakh 15500,11040 Urumqi; 5440,4970;2130-2225 Korean 8566,6430; 2230-2325 Mongolian 5915,4190;2330- 0025 Tibetan 11000,9920. BBC MS

LIBYAN RADIO sked 4th May-7th Sept: 17930 1000-1800;17680 1000-1600;15450 1800-2200;15435 1500-2200;15425 1000- 1700;15415 1000-1500;15270 1600-2200; 15235 1700-2200,2200-0100;11865 0900- 1700;11825 2200-0300;9615 0100-0300; 9600 0400-0900,1700-2200. BBC MS

RADIO BUCHAREST EE:0130-0230 11940, 11840,11735,9690,9570,5990;0400-0430 11940,11840,11735,9690,9570,5990;0530- 0600 17745,15340,11840;0645-0715 17805, 15335,15255,11940;1200-1230 17825, 15345;1300-1330 17850,15250,11940;1500- 1530 17805,15335,11775;1730-1800 17720, 15340,11885;1930-2030 11940,9690;2100- 2130 9690,7195. BBC MS

ICELAND A relay of the domestic service of the Icelandic State Broadcasting Sce is being carried from 1855-2000 on two single-side band channels 15420 & 12175. Both are in upper-sideband mode. The relay includes the main evening news bulletin from Reykjavik. BBC MS

KOREA (SOUTH) As of 16th June R.Korea will lengthen its EE language txs to one hour duration and make the following time; and frequency changes:0730 15570,9870, 11810;1900 6840,15570;1600 9720,11830, 7550,9870;0100 15275,15570;1000 9570,9870, 11725,15570;1300 7550,11830;0330 15570; 2130 15375. via Tom Chisnall

CHINA The Standard Chinese sce from the Tibet People's Broadcasting Station in Lhasa is on 7171,5935 & 4750 at 2230- 0130,0130-0330 (Su.),0330-0645 & 1000- 1545. BBC MS

IRAN Voice of the Islamic Republic of Iran in AA from 1730-2030 is now on 11790 instead of 11735. BBC MS

MOROCCO The AA domestic sce from Rabat via Tangier is:1000-1100 15360,15335; 1100-1700 21735,15360,15335;1700-1900 21735,15335,15155;1900-2400 21735,15335, 9540;0000-0100 21735,15335. BBC MS

HOLLAND "Radio Nederland still believes that QSL hunting is an essential part of the DX hobby, particularly for new DXers. International broadcasters today rely mainly on the services of monitors to determine what kind of signal they are getting to their target areas, but at the same time we do believe that when a listener takes the trouble of sending us a correct reception report such a report deserves verification. Budget considerations have prompted us to closely re-examine our present QSL policy. We do not intend to drastically alter this policy we have decided on a few changes. As of November this year we will start issuing two different QSLs per year and this will happen on the 1st of May and the 1st of November annually. To date we have had no rules regarding QSLs but in future efforts will be made by all our language sections not to send more than one QSL per month to a particular listener. In any case with only two different cards a year we assume that few people will try to collect more than one of a particular issue".

Fritz Grevling RN DX 19/6

U.S.A., Voice of America has introduced an additional daily half-hour programme in Turkish. It was inaugurated on 1st June and is on the air from 0330-0400 on 15310,15195,11805,7130,6080,6005 and 1260kHz. VOA weekly output in TT has now increased by 3 hours 30' to 7 hours. BBCMS