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NEW ZEALAND DX TIMES

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OF THIS AND THAT

The League financial year ends on 31 August and, after a year of adjustment, ALL subscriptions will fall due for payment on 1 September. Full details will be given later - are there going to be yet more increases in postal charges? - but members should be warned that if payment is not made promptly, they run the risk of having their names removed from the 'Times' distribution list. And that brings us naturally to the League Annual General Meeting to be held this year in Oamaru on Saturday, 17 October 1981.

So talking of the AGM one or two things occur to me. At the meeting last year we were told that affiliation with the EDXC, ANARC and the Southern X DX Club had been finalised and that other overseas links were under discussion. The 'other overseas link' is a proposal to form an Asia/Pacific Federation. "Tune In", the magazine of the N.Z. DX Radio Association writes that a set of proposals has been received from this League including a suggestion that the League should establish an 'initial secretariat'. Without knowing the background of the two bodies in N.Z. would it not be more sensible to amalgamate the two bodies here before proceeding to the Asia/Pacific link? Among other things it would enable a wider range of interest to be catered for if "Tune In"s utilities section could be incorporated with the other features of the 'Times'. It is to be hoped that, before the AGM, ADCOM will make known its proposals so that the general membership can submit their views.

Another matter which could well be discussed at the AGM is the acceptance of verifications from 'pirate' radio stations for competition purposes. Currently in both Europe and USA there is considerable discussion on 'pirates'. One view being expressed is that to report to the 'pirates' is to encourage broadcasters who are cluttering up the airwaves with unwanted signals to the detriment of legitimate stations. Since increasing numbers of N.Z. DXers are verifying the 'pirates' some clarification of policy seems needed. In view of our overseas affiliations, this would presumably be done in consultation with EDXC and ANARC.

Would like to thank those who responded to last month's editorial. Not unexpectedly I had my hand smacked by Arthur Cushen - please read it again, I didn't say what you think I said. Of the rest all four were in favour of change of some kind - and there were some good suggestions. David Ricquish, a long time DXer and MW specialist will be taking over as Editor in September. Before then I hope to write further on both 'radio countries' and also on competitions. I have still some 'Sacred Cows' to chase and maybe it is also a case of tilting at windmills.

Oh - and by the way, David - good luck to you and I hope you enjoy the job as much as I have.

NEW ZEALAND RADIO DX LEAGUE

President: A.T.Cushen, M.B.E.

Hon.Secretary: Mrs Irene Simpson

Administration Committee (Membership, Policy,

Competitions, Subscriptions) - P.O.Box 1313, INVERCARGILL.

Editorial (Enquiries regarding content & distribution of the 'Times' ONLY) -

P.O.Box 2956, WELLINGTON. CLOSING: Noon on 1st Monday monthly.

Stationery - P.O.Box 450, OAMARU.

Competition Awards - P.O.Box 3911, AUCKLAND...

DEADLINE: Noon, Monday, 6 July. Loggings, Veries, B.O.M., SW/QSL

FROM THE BRANCHES

AUCKLAND: The well attended May meeting discussed what can be heard on the 19 mb between.

15100 and 15200 kHz. Some members also took the opportunity to visit a display of vintage radios held in the city over the long week end. COMPETITIONS: Shortwave: Barry Williams Lesotho 4800. Broadcast: Arthur de Maine 2WS 1224 5 kw. NEXT MEETING: NZART Clubrooms, 3000 Gt.North Road, New Lynn on Sunday, 28 June. The feature will be a talk by Frank Vader on his homebuilt computer and how he uses it to aid his DXing. Enquiries to Jim Gorman, Tel 2985534.

SOUTHLAND: Fifteen members attended the May meeting at Leo Mizezenbeek's at which the main discussion was of the Annual General Meeting to be held in Oamaru on 17 October and recent 'DX Times' editorials. Steven Greenyer played a tape of recently heard stations and Arthur Cushen played recordings of North American medium wave stations heard in 1958/59. This provoked an interesting discussion on comparisons with present day reception. COMPETITIONS: Best of Month Broadcast: A.Cushen CBA Sackville NB Canada 1070 50KW. Merit: E.McIntosh 2CP Smithtown NSW 1602 50w. Shortwave: Over 9 - A.Cushen Brussels 21790. Under 9 - L.Robinson Andorra 6220. NEXT MEETING: Tuesday, 23 June at 7.30 pm. Arthur Cushen, 212 Earn Street.

WELLINGTON: Six members attended the May meeting held a Bruce Williams home. The main topic was discussion on Convention '82. Arising from this discussion the following statement was issued:

From surveys undertaken it has been found that soaring accommodation costs for any suitable venues (minimum \$50) together with expensive travel costs have made attendance at Convention prohibitive to the average member. As a consequence the Wellington Branch consider that the holding of the 1982 Convention, in their district, is not a viable proposition and that it should be deferred in the meantime.

NEXT MEETING: 8 pm on Friday, 26 June. Ron Cundy, 21 Quetta Street. Tel. 792-058. Ron says that he would greatly appreciate it if a larger number of members were to arrive.

SUBS. 1981

BELOW WE GIVE LISTS OF MEMBERS WHOSE SUBSCRIPTIONS FALL DUE FOR PAYMENT IN JULY AND AUGUST 1981.

The amount due from both groups is N.Z. \$3.00:

- Aus & S.Pac. \$4.50: N.Am & Asia \$5.00: Eur Af S.Am & ME \$6.00. JULY 1981 - B.Allan, J.Baker, A.Booth, C.R.Brannon, E.Clarke, A.Cooke, R.P.Cross, R.A.Dear, W.T.Dil, D.C.Feldon, J.S.Gall, T.D.Garmonsway, R.A.Holland, J.Hood, G.Jacob, Miss S.Jamieson, R.H.Johansson, L.L.Johnston, K.R.King, G.Kinnear, I.Laggan, D.W.Little, D.J.Lombard, A.J.S.McCann, G.Mckenzie, A.H.Marr, C.Miller, F.A.Mills, K.M.Morgan, A.K.D.Powley, Dr.B.W.Rasihah, G.F.Reeves, E.D.Simmonds, A.D.Stewart, N.M.Thompson, D.Warren, Radio West.

- AUGUST 1981 - S.P.Agallawalla, R.J.Beale, R.A.Blair, L.H.Boyd, L.Boyer, A.T.Callis, J.Charlton, R.Chester, J.Cowan, R.J.Crawford, H.A.Fenn, M.Flahive, C.Hatton, H.G.Hemming, D.N.Holmes, D.Hughes, B.A.Jamieson, Mrs.W.A.Keeling, H.Kubota, S.W.Manderson, W.H.Mannix, P.Martin, H.Morikawa, A.Nunn, D.Odlin, P.Ormandy, P.M.Penberthy, S.Porta, C.T.Reade, I.M.Robertson, K.J.Rutherford, D.A.Sidwell, R.Simpson, G.F.Smith, R.G.H.Smith, Thelma Smith, G.W.Stewart, J.A.Stewart, B.Terrill, A.C.Verry, R.Webby, R.G.Wilde, J.M.Young.

As usual the names of overseas members are underlined. It would be helpful if these members would send their subs. to Invercargill as promptly as possible. as this will help keep the cash flow going until the full annual subscription will fall due from ALL members on 1 September 1981.

Correction: Jack Searle points out that the location of the proposed private radio station in Hawkes Bay is TAKAPAU, some 90 km south of Napier and not Takapuna as given in the Times. There is no intention to set up a relay in Takapuna - so have no fear you DXers in that locality.

BROADCAST DX

If you still have not logged the University stations then you once again have a chance to do so. Massey University Students Association will be on the air, 26 June to 11 July 1981, on a frequency of 1584 kHz, with 100 watts. Operation will be 24 hour, and commercial.

Radio Active, Victoria University, will be on again, 17 to 30 August on 1233 kHz, with 100 watts, hours are 0700-2400 Mon to Fri, and 1000 to 2400 NZT, also with commercial programming.

2XS Palmerston North is now on the air on 828 kHz the station opened on Friday 29 May at 8.28 am, power is 2 kw and operation is 24 hour.

Also on is 1YB, 603 kHz access radio, from information given it would appear that this could become a regular operation.

If you want to hear 4ZF Te Anau on local programmes then listen at 4pm on Friday when local news is aired after the network news. A.Cushen.

Radio Dargaville, 1404 kHz 250 watts was on the air over Queens Birthday week end, Run by Auckland University Radio Personalities and Jaycees, to raise funds for the Community Hospital. Noted by Eric McIntosh on Saturday afternoon, Tribunal news of the station did not arrive until the following Tuesday. Reception was best in Invercargill around dusk, with Aussie interference bad after dark.

MAILBAG.

STUART FORSYTH, DARGAVILLE, Has nil out, but plenty back from 2XM, KIRO 2QN, 2ZM, 4QL, QN, QW, QS, QA, RK, QB/O, 4TI and 4QD, notes too late for last months times.

ANDREW GARDNER, WELLINGTON, in a first note to the Times has veries from 2SM, 2UW, 2WS, and 2ZE, reports out to 1XA, XI, XP, XW, ZC, ZM, 2NR, OO, XW, ZD, ZW, VM, 3XA, XG, ZB, 4XA, XF, XO, ZA, ZF, ZW, 1XX and Fiji 774. Thanks for report I hope we have many more from you.

LYALL MATHIESON, MORRINSVILLE, has been busy logging, 4ZA, 2FC, BL, NR, KP, CR, KA, YM, XL, 3YB, WL, 4NA, XA, QW, GY, QN, QR, QG, SB, 5DN, 7AD, 5RM, Apia 1062, Port Moresby 585, Vanuatu 1125, QSLs are KVOO, 5RM, 2AP, 4ZA, 7AD, 2XL, 4QR, QG, QN, QW, 2FC, BL, CR, KP, NR, Lyall reports hearing 2EN 1584, 2100 -2400 exc, with CC programme. Ta.

BRYAN CLARK, AUCKLAND, has QSLs from 2XA, 4XR, Rhema 1269, KUAT 1550, KVEG 1400, Vision 1310, Reports out to 1ZK 1026 (local Prog.) HJFO 1390, HJES 980, HJZU 1460, and VOA ANTIGUA 1580. Have listened for last one a couple of times but no luck so far.

KEITH ROBINSON, KAPUKA, has reported Samoa 1359, WSZO, and KAAM, veries in from Samoa 1062, 2XN, KDEO, KARZ.

ALAN GILGOUR, GREYKOUTH, one log of KCCN and veries 1XB, and WBBM.

BILL MANIX, OWAKA, has logged on the wire mattress KNIX, KNX and KFBK, hopes to have a longwire up shortly. Have you shifted permanently?

LAURIE BOYER, INVERCARGILL, Has a large list with loggings of 2TM, CY, BY, BE, KA, and 2KA repeater 1476, 2GF, WN, NC, BA RG, NB, ST, KY, XL, RE, 3GI, WV, 480, IP, GG, NA, WP, CD, WK, RO, BC, QR, QB, QS, MS, QN, AT, BU, RK, QA QW, NK, GM, JL, JK, GY, VL, BK, ZR, GR, AK, SB, SHA, 7ZR, 7NT, Sunshine, Foveaux, Labasa 684 CFOR, veries are in from Dubai, Plymouth 2PK, 3EA, 2TM, 7ZR, 7NT, 3BO, USSR 600, Seyche lles, 2CP, 4BC, Turkey 1062, 2BE, 4AT, 4WK, 3AK, 7SD, 4QB, 4IP, 2CY, 4RO, 4QA, 4QW, 4MK, CKWX, 4GM, 4SB, 4CD, Maraisberg 576, Peters berg 1116, Blomfontein 783, Johannesburg 1287 and Bophathatswana 1098. You must have been very busy.

BRIAN WEBB, UPPER HUTT, Is another with a fair sized list of logs, 1YT logged that region, 2XN logged Rotorua, 2XS, 4XF and from Aussie trip, Noumea 666, 2BE, CA, CC, DU, GP, GO, KA and Repeater, KO LF, LM, NB: PK, RG, ST, XL, XX, WG, WL, 3AW, BA, CR, MP, 4KQ, RO, 5AA, AD, AN, AU, CK, KA, LC, LN, MG, MU, NV, PA, PI, RM, SE, UV, WM, veries in 1XW, YT, 2GF, LM, WL, XN, 3AW, BA, MP, 4RO, 5AD, MU, RM, SE and 5UV, Good list.

KEN GRAHAM, MOUNT MAUNGANUI, presumed logs, XBNT, KTKT, KCCN, and KSOO, Ta.

PAUL SCHELL, PALMERSTON NORTH, Logs 2XN KNIX, and Villa 1125, one verie only from 2XN, ta.

④ BROADCAST TRAIL

600 Voz de Cuba concluding SS 0958 then " Moscow Nights" & Kremlin bells at 1000 introducing RADIO MOSCOW. B.C.
700 Radio Sutatenza Cali fair 0915. BC.
725 Radio Colombia IDs fair 0615 21/5 RC.
730 Radio Melodia Exc 0615 RC.
Radio Trinidad fair s/on in EE 0900
740 Montserrat(?) songs in EE 0705 RC.
760 OBZ4X "Radio Mar" good at times 0536
825 R. Paradise fair 0702 RC. & BC.
850 HJKC Naevo Mundo 0645 BC.
960 OAX4D with " R. Panamericana Disco- teque" good 0550-0632 RC
980 Radio El Sol de Cali V/G 0738 BC.
1000 HJAO "La Voz De Cartagena and " R. de Colombia" 0610-0615 20/4 RC.
1020 Radio Margarita good 0610 21/4 RC.
1055 HJ__ RCN net back here 0705 BC.
1060 Colombian good s/on 0950 6/4 RC.
1098 WSZO over 3ZB 0845 KR.
1125 L/A suspect TISRHB Het Vanuatu BC.
1180 R. Petrolera Exc. 0615 RC.
1190 R. Cordillera fair 0615 RC.
1200 R. Super de Cali Exc 0639 BC.
1215 2ST Translator good 0925-1006 RC.
1230 R. Calidad fair 0615 21/4 RC.
1300 OAX4M " Radio Atalaya" good 0547 RC.
1310 Radio Vision EE pops clear 0708 BC.
1320 La Cronica Mx pgm -anthem 0503 BC.
1360 Radio Reloj ID 0727 BC.
1390 Voz de Los Andes frequent ids 0614 past 0710 very good BC.
1420 Colombian fair 0510 2/5 RC.
1460 Radio Nuevos Horizontes good 0923-0940 9/4 RC.
1460 HJZU Amistad I/Ds Mx 0537 BC.
1518 Reloj Peru reg here evenings BC.
1580VOA Antigua EE pgm from 0349 -0400 s/off B.C.
Trail Credits ..BC. Bryan Clark , Auck. & Pauanui. RC. Robin Chambers. KR. Kieth Robinson.

BEST OF THE MONTH

Eric Mc Intosh and Laurie Boyer tied with ZCQ3 , Victoria , Seychelles. 161 pts.
JUNIOR
Alan Gilmour. WBBM Chicago 780 Khz 108 pts

This month saw what was the largest entry in the BOM section for many years, keep it up.

MAILBAG CONTINUED.

ROBIN CHAMBERS, OPUNAKE. Reports out to KGU, 8TC, OBX4J, 2XN, OAX4D, Damman 1440, 2UW, OBX4Z, 4XF, 2ST 1215, OAX4M, and HJAL, varies are in from CB118, 4TL, 8GO, KGU, Reunion 729, CX16, and Paradise. Some good veries there, We hope you will still have time to send in some trail, its much appreciated.

PETER JONES, HAMILTON, Logs 5RM, 4NA, 2WS, 4XF, Cuba 600, Carve 850, Suta 700. QSLs 200, 4NA, 5RM and Dubai 1481.

DAVID RICQUISH, WELLINGTON. logs from Te Araroa KGTL 620, and QSLs 2ZC, 2ZK, 4NA, Samoa 1359, and 1404, also had a phone call from CFPR 860, for their local nxs program. Beaut.

CHRIS MARTIN, SYDNEY. reports Damman 1440, Rumania 155, 2ZH, Abu Dahbi 729 Turkey 182, QSLs DLF 1539, Voz de Medellin 990, 3EA and VOA Rhodes 1260, a bit of lw in there.

BARRY WILLIAMS, AUCKLAND. Back on broadcast band after 15 years logs Antilles 930, Martineque 1310, CBU and WVUV, have you run out of sw loggings, welcome back.

PAUL RAWDON, EASTBOURNE. has only one out and back with 2XN. ta.

DEXTER POWLEY, DUNEDIN. loggings of 2XN, 2YB, 4XR, 4XF, varies from 1XL, 2XN, 2XK, 2XN, 4XK, 4ZG, thanks for info on Te Anau.

STEVEN GREENYER, INVERCARGILL, Logs of WUNI, KYOK, Dargaville and KGBT.

PHIL BROOKS, WANGANUI. with first notes from new address reports 2XS, 2ZM, 2ZD, 3ZA, 4NA, 4QR, 4ZF, 4XF, 4ZW, QSLs in from 2XJ, 2XL, 4ZW and 2ZM, have seen the magna wave in use .

ARTHUR CUSHEN, INVERCARGILL. reports out to 4XF and Noumea 666, logs QSL 2XN, CBA 1070, WSIX 980, and HJCS 930.

ERIC McINTOSH, INVERCARGILL. Has logged and verified Seychelles . good.

4XD Radio Alpha, intends to extend its broadcasting times to seven days a week, The new formate of the station does not please some of the stations listeners, and some interesting letters have appeared in local newspapers.

BROADCAST DX

AUSTRALIA. 2GF 1206 has applied to extend hours from midnight 4 May 1981 , and will then operate continuously 5 am Monday to midnight Sundays. D.Ricquish.

BAHREIN. A new 100 kw transmitter is due in operation in 1981, plus the Arabic and English services, presently separate, will share a new concert hall, drama studio, four continuity studios, news and rehearsal studios. The existing three studio Arabic service with its 20 kw transmitter is located at Juffair, while the English station, close to the new transmitter/studio complex, currently has two studios and a 1 kw transmitter. Radio Bahrein was officially inaugurated on 2 April 1977. B.Homewood via BC.

CANADA. CFPR Prince Kupert, 860 kHz, plans to go 24 hours shortly, it will carry non stop light music between the usual close down and sign on times. D.R.

HAWAII. KNUI 900 has a good local signal since the frequency change from 1310, but is poor for DX. Extra 90 ft added to tower and ground radials in salty marsh also lengthened. KNUI shares a tower with KHEI 1110. D.R.
KLEI 1130, knocked off the air 12/3 when a mongoose was caught in a tower insulator. During the following week, 5 tubes and the audio input transmitter were replaced.

NEW ZEALAND. Radio Rhema hearing for a Wellington relay began on 6/4. The proposed station will operate 18 hours parallel to 3XG except for some local news and some talkback request programmes. Radio Rhema has filed for a new station in Auckland that will originate most of its own programmes. Wainuiomata Community Radio plans to file for a low powered station to operate in June. To operate in premises provided by the local council.

SOLOMON ISLANDS. QSL card for 945 kHz received in one week by airmail for a report without return postage.

TAHITI. FR3 Papeete has dropped English news from all its transmissions. QSL card received in three weeks for an English report without r.p. all D.Ricquish.

AUSTRALIAN CHANGES.

200 Corowa NSW will move to 684 kHz with 10 kw, and will gain an anti-fading directional aerial.
2KP Smithtown, will move to 675 kHz to minimise interference to other stations.
2?? Albury, Wodonga. Proposed to operate 2km north of Wodonga on 990 kHz with power not to exceed 500 watts. Aerial to be omni-directional.
3WA Wangaratta, Proposed operating 9 km north of the city on 756 kHz with 10 kw aerial to be directional.
2CN Canberra, Proposed to operate from its existing site, but use 666 kHz with 5 kw, and a directional aerial.
2?? Goulburn, proposed to operate 2 km NW of city at a frequency of 531 kHz power not to exceed 100 watts, aerial omni-directional.
2CU Cootamundra, Proposed station with 10 kw, frequency to be determined.
2MY Moruya, Proposed, operate in the vicinity of 2BE translator at Broulee. Frequency to be 810 kHz, synchronized with 2BA Bega. Power to be 2 Kw. Aerial to be directional to afford substantial protection to 4YZ. The limited availability of frequencies in this region will necessitate synchronous operation of 2MY and 2BA.
2?? Narooma Proposed location in the immediate vicinity of the town. Power not to exceed 500 watts, on a frequency yet to be determined, aerial to be omni-directional.
2TG Tomerong, Proposed to operate from Basin view at a frequency of 603 kHz with 5 kw. Aerial to be directional affording substantial protection to Auckland and the Eyre Peninsula S.A. Minimum radiation generally towards the East and West. Maximum radiation to the north and south. This proposal takes into account that 585 kHz is clear, however locating 2TG there would result in the loss of marginal coverage of 2FC in Nowra area. 7ZL proposed to move here from 603, due to 2TG being directed north, south.

C.Martin DX Post 4/81 .

⑥ LEAGUE LADDERS

We hear from Stuart Forsyth that, due to a mechanical mischance, he is unable to send the full Ladder table. He has, however, given us the winners in the various sections:

	Broadcast	Shortwave	
Gold Star	Ray Crawford	Ray Crawford	
Gold Ace	Eric McIntosh	-	
Silver Ace	Dene Lynneberg	John Campbell	
Ace	David Ricquish	Peter Jones	
Senior	Hank Wilkinson	Steven Greenyer	
Intermediate	Stuart Forsyth	Stuart Forsyth	
Junior	Peter Jones	Paul Schnell } Les Boyd }	A Tie

Congratulations to the winners and particularly to our two overseas members, John Campbell and Hank Wilkinson. As some small consolation for his inability to produce the full ladder, Stuart offers the news that he has a late verie from Ireland on 6910 kHz. You didn't do so badly on the ladders either!

'Europirates' John Campbell suggests that the following which are extremely strong in Europe have a good probability of non-local reception.

(1) NORTH WEST RADIO, 7350, has been operating on the traditional Sunday pirate schedule opening around 0830, but has also been heard on other days of the week. Address - just Charlestown, County Mayo, Ireland.

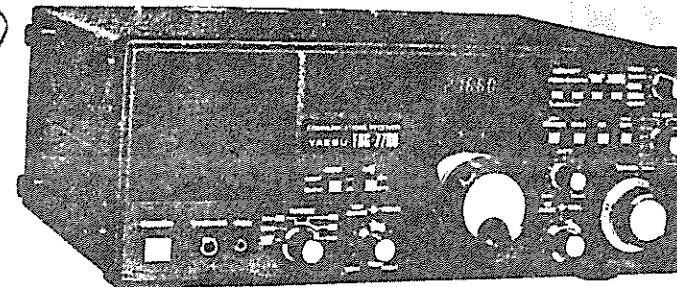
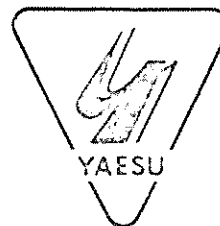
(2) R. CAROLINE SOUTH, a 48 metre regular in England, has a Sunday 0800-1200 schedule, 1st and 3rd Sundays of the month. Lately it has used 9434 (anncd 9435) in// and this may propagate to NZ even when 6 & 7 MHz do not. Address: P.O.Box 1, Brandon, Suffolk.

SNIPPETS

Last month we mentioned a new MW station on Christmas Isl and in the Pacific. The following is taken from WRTN Newsletter, May 1981. "Martin Hadlow in the Solomon Islands monitored an SSB transmission from R.Kiribati on 16430. Acc. to the st. they are using a 1kW tr. to feed a 1 kW MW-tr. on Christmas Island nearly 2000 miles away. The SSB-tr. will be replaced by a 100kW tr. as soon as spares arrive from the USA. It is situated on the island of Batio and fed from a receiver tuned to R.Kiribati on 846. The relay on Christmas Island is currently on "270m" but will have to be retuned to 846 "as soon as engineering work can cope". This information from the Manager of R.Kiribati.

OWEN CULLEN, Northland, writes that he has found an easy way to log Paramaribo, Surinam. It started when some of his friends headed over stateside and he thought he'd follow their flight as far as he could on aircraft channels. They left N.Z. at 0900z so he set himself up beforehand on 8848kHz, heard their flight no and their secondary frequency 5638kHz and so followed them on to Fiji where there was an hour stopover. From there he tracked them to Honolulu and onto LA. During the flight to Fiji and the stop-over there, Owen reports that he heard Sydney, Nandi, New Caledonia, Tokyo, Pago Pago, San Diego, LA, several Latins, airfields on the west coast of the States and around Washington and Florida areas and the 'best one' Paramaribo, loud and absolutely clear - and all on the one channel to boot!

Thanks Owen - a bit out of the ordinary for the 'Times' but well worth while. For the benefit of members who do not know Owen, he is a disabled listener. With your Editor and two other members he is co-operating in an experimental exercise on which we hope to report early in 1982. Good listening to you!



FRG-7700

from Paul Rawdon, Eastbourne.

I recently obtained a Yaesu FRG7700 receiver and give below a description of the set.

Internally it is very complex and amongst other things uses the following semi-conductors: ICs - 37, FETs - 14, Transistors - 109, Diodes - 97 and LEDs 4. Accessories include: AC power cord, two fuses, 10 metres of antenna wire and two extender feet with pads.

The frequency range runs from 150 kHz to 29.9 MHz with a digital display giving read-out down to 1 kHz. An analogue dial is also provided.

On the front panel there are the following controls: On/Off switch, Main tuning dial, AGC slow/fast, Noise blanker, Volume and tone controls, variable attenuator, mode switch, band selector, squelch (for use on FM), clock and timer controls, memory fine tune, headphone and tape recorder outlets and, last but not least, the memory controls. On the rear panel there are the usual antenna inputs, mute, accessory socket, extension speaker jack, attenuator switch, AC power inlet and AC voltage selector.

The following modes can be used: USB, LSB/CW, three bandwidths (12, 6 and 2.7 kHz) and FM.

One of the most useful features of the set is the memory unit. When using it one can pre-programme up to 12 different frequencies and this feature is most useful when checking on parallel frequencies while logging a station. According to the instruction manual the memory unit is available as an optional extra but from enquiries I have made it seems it is a standard feature in sets imported to New Zealand. While not in use the memory is kept alive by a back up battery supply which also provides power for the clock and timer.

The instruction manual is most comprehensive and a full set of alignment instructions and circuit diagram are included. A six month guarantee is provided.

Having used this set I have come to the conclusion that it certainly lives up to what the reviewers have said. The only bad thing I have found so far is that it is subject to overload on strong signals. This, though, is no more than I had experienced with the FRG7. Further by use of the attenuator this problem can be eliminated. Overall sensitivity is good but falls off slightly towards the high end of the frequency range.

On the control panel there are many knobs and switches and when first operating the set it is quite confusing knowing which to choose from the large variety available. However once one gets the hang of it, the set is very easy to operate.

At \$1565 (or \$914 if you hold a HAM licence) the FRG7700 represents value for money in my opinion.



Complied by Paul Rawdon, Eastbourne.

Well, it's TV&FM time again. Because it is the off season, there is not alot to report. Before dipping in to the mailbag, a reminder that openings on the TV frequencies can occur at this time of year. Infact, just recently, there was a brief opening on Australian Channel 3 (NZ Channel 2). Signals were weak and the opening didn't last long. And now to the mailbag:-

Bryan Clark, Auckland advises he has QSL's in from ABC-FM, Sydney 92.9 MHz and Moundou, New Caledonia 96.4 MHz. Bryan also advises he is still working on "devious" ways of obtaining a QSL from the Christmas Pirates and has made a fourth attempt to verify NBN3 Newcastle. This time by hand delivering the report to the station. Best of luck with these and congratulations on the twoQSL's.

Vivian van Dyk, Auckland a new comer to the section logged the following in Los Angeles while on a trip from the UK to NZ:- KOLA 99.9 MHz, KUTE 101.9 MHz, KIIS 102.7 MHz, KWST 105.9 MHz and KROQ 106.7 MHz. QSL's have been received from KOLA 99.9 MHz, KIIS 102.7 MHz and KWST 105.9 MHz. Please remember to list your Mediumwave and Shortwave notes on separate sheets, because the various sections are compiled in different parts of the country.

Vivian has also passed on the following news which would be of interest to members in the Auckland Region. A new FM Pirate "Pioneer Radio" will be on air shortly from 6.00pm to midnight on 89.5 MHz using 96 watts of power. The station will operate from a caravan parked at various holiday locations such as Pauanui on the Coromandel Coast. Thanks Vivian and thanks also for your comments on Radio Templeton.

To round up this installment, please remember that we are interested to hear from you, with details of your TV&FM activity. When supplying notes, please supply details about the time, date, frequency, reception conditions and how long the opening lasted. When logging a TV station, please say whether or not you received picture and sound or just sound or picture as quite often, one can be received without the other. Another point which would be of interest would be whether or not the picture was received in colour.

Until next time, best of DX.

market square

YAESU - FRG7000 as new, battery connector. Yaesu YH55

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Shortwave Mailbag

compiled by
Bill Huddleston.

With the shortest day only a matter of two weeks away, and the years DXing reaching a peak, we have many good verifications coming forward. Dublin would still seem to be the most popular catch along with Algeria on the high frequency of 25700 KHz. At the oposite end of the shortwave band we have the outlet of 3RPH Melbourne 1795KHz. other veries of note include, Apintie Surinam, Namibia, and K. Tabajara. DXing in Auckland moves into the computer age this month when Frank Vader began using his home made word processor in the sending out of his reports. Perhaps we shall have a more discriptive item next month. A special welcome this month to Andrew Gardner of Johnsonville, good to hear from new members. Now to open the mailbag.

Frank Vader, Auckland has sent out 38 reports and received veries back from Kuwait 15345, AFRTS Phil 21650, RN Madagascar 25650, Moscow 21690, NHK 21610. Thanks.

Ron James, Wellington has a very good list of veries back from Seoul 9870 15575 +2 pennants, Moscow 21600, Veritas 9705 9715, IBA 11637 15605, ORU 26050, REE 21595, ORF 12015 21655 21500 21640, Alotau 3360, RFI 25900 Nicaragua 5950 +pennant, AWR Andorra 15025, WYFR 15380 17845, Algeriers 15370, AFRTS Delano 21570, 25615, Lisbon 11925, Dubai 21700, RSA 21570, RN Bonair 21685, TWR Bonair 11710, many thanks.

Peter Jones, Hamilton has QSLs back from Namibia 4965, Fuzhou 5900+pennant Moscow 11960, VOA Tangier 6095, VOA Kavalla 11925.

Brian Webb Upper Hutt has veries back from AIR 3925, Kuwait 15335, Sofia 9700, 11750, Berne 9560 21695, IBA 9009, Tirana 9500 11985 Med 9510, Bucharest 11940, BBC Acen. 15360, VOA 6040 7200 9645 9700 9760 9770 11760 11835 11925 15160 15175 15205 15260 15180. WINE 15145, ORF 15560 17745, Moscow 7150 9500 12005 15185, Skala 11800, DW (A. 9690, WYFR 11830, Peking 9830, Andorra 6220, SFR 15330, 17890, NHK 9605 17710, RN 9715 9770 21685, KTWR 11840, 17830 17770, HCJB 9745 11835 11900.

Bryan Clark, Auckland has 5 reports out this month and veries back from Algiers 25700, Jerusalem 21610, Vienna 21610, Thanks.

Andrew Gardner, Wellington in his first report has veries in from R.Nederland 9715, HCJB 9745, SRI 9560, VOA 15185, NHK15235, WINE 15185, Dubai 11755, KTWR 11840, AIR 11620, I'llhold your letter.

Laurie Boyer, Invercargill has sent 12 reports out and veries have returned from Papua New Guinea, SBC---? Lesotho 4800.

Allen Gilmore, Gbeymouth has 15 reports away with QSLs in from Kol Israel 15200 LLL Oslo 25730. Thanks Allen.

Paul Schnell, Palmerston North has verifications in from HCJB 9760 11835 11900 15155, SRI 21520. Sorry about last month a hick-up in the system.

David Hughes, Palmerston North has QSLs in from Vatican 9615, DW Kigali 11965, Hanoi 10040, good to hear from you.

Russell Winter, Invercargill has 6 reports out and veries back from Solomon Islands 5020, R.Cadena Nacional 6160, Peking 17635, VOA Arcenville 21540, many thanks.

Jim Gorman, Auckland has one report out and veries back from RN Bonair 15315, RAI 15245, Voice of Asia 5980 Thanks.

Paul Rawdon, Eastbourne has 11 reports out this month and QSLs back from Kuwait 11650, AFRTS 26000, RN 17605, VL20V 1720.

Cecil Symmes, Wellington has QSLs from Moscow 21600 RN Nikolavsk on Amur 15240, Novosibirsk 21690 Byelorussia Minsk 11745, Kirghiz SSR Frunze 11820, Ukraine SSR Kiev 7230, Vinnitsa 9530, Philippines Veritas Asia 9605, Tangier VOA 17815

⑩ Shortwave Mailbag

Stuart Forsyth, Darfield has one report out and verifies back from Dublin 6319, RFI 25820, RSA 15325, R.Milne Bay 3360, ORF 17775, R.Bras 15290, HCJB 11900, AFRTS 26000 25615, RM Petropav-lovsk-Kamchatsk 15455, R.Veritas 15320

Bill Mannix, Owaka Sth Otago has QSLs back from VOFC 17890+pennant and diary, Iran 9022, pleased to hear your new location gives good DXing even if it is on a wire mattress. Tnx.

Mrs B. May, New Plymouth ABC.VLQ9 - 9660, Dubai 15320, RN9715 9770, HCJB 9745 50th anniversary card, RCI+RN with joint 35th anniversary programme 17820 21685, good to hear from you.

J Webb, Manukau has sent 11 reports out and received QSLs back from SBC 6165, TWR Monaco 9495, Spain 9765, Dubai 15320, VOA Delano, after 12 mths. Budapest 21525, Moscow 21600. Thanks.

Graeme Pearse, Matserton has verified RFI 17950, Austria 21725 21500 17830 15560 6155, Beijing 9860, RA Shep9580, R.Nederland 11720, Budapest 15220, R.Bras 17830, VOA 11760, DW 11905 21680, Radio RSA 21535, ORU 21525, nice going Graeme keep up the good work.

Les Boyd, Wanganui has been a busy DXer with 17 reports out and verifies back SRI 9530, RN Madagascar 25630, Dubai 11755, Budapest 15215, You'll have to wait for the other 17 to return, Tx.

Lindsay Robinson, Invercargill has logged 4 this month, and got verifies back from Romania 15335, Guatemala 6180 + pennant, Taiwan 5980, nice going.

Ian Cattermole, Invercargill has verifies back from RN 15569, Sana'a 9780, Voice of Asia 5980, AFRTS 25615, WYFR 11855, Dubai 11755 17810, RFI 9660 Thanks.

Barry Williams, Auckland has a few good verifies back from, Lagos 3226, R Dublin 6288 6910, Lesotho 4800, Dubai 11755.

John Mainland, Wellington has QSLs from Sweden 21700, 15320, 11835, 21645, Voice of Asia 5980, Apintie 5006, Brussels 21810, HCJB 6095 15235. Thanks John.

BEST OF THE MONTH	
<u>Under 9 MHz</u>	
<u>Maseru Lesotho</u>	<u>4800 kHz 100KW.</u>
110 Points	
<u>Laurie Boyer</u>	<u>Invercargill</u>
<u>Over 9MHz</u>	
<u>AWR Andorra</u>	<u>15020 kHz 10KW</u>
106 Points	
<u>Jack Searle</u>	<u>Haumoana</u>

Jack Searle Haumoana has reported verifies back from R. Algiers 25700, L.L.L. 25730, Tashkent 11785, VOFC 9610, RN Bonair 17695, Moscow 21515, AWR Luxemburg 6090, AWR Andorra 15020 nice going Jack.

Jack Farrow Lower Hutt has 6 reports out and verifies back from TWR Monte Carlo 9495, NHK 21610 Tx.

Bill Jolly, Kawerau has spent all his time decorating the house, but has verifies back from Kuwait 11650, SRI 21695, NHK 17870, do a good job there now Bill.

Ian Wells Dunedin Has verifies back from Australia 21680, Dubai 15320, DW. 17780, SBC 21520, many thanks, good to hear from you again.

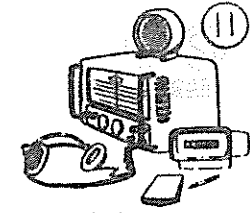
Arthur Cushen Invercargill has verifies back from ORU 21790, Sweden 15190, Delano 21570 25615, Canada 9715 15150, TWR Bonair 9755, Vienna 21610, 3RPH Melbourne 1705, Dubai 17775 Thanks.

John Durham, Hamilton has QSLs back from Dubai 11755, Dublin 6910, Nanchang 5020, Changchun 3310, King of Hope 5215, R Tabajara Brazil 14795, Andorra 15033 Tashkent 5945, Renascenca 11745.

Frank Crow, Los Angeles Has QSLs from NHK 9505, Peking 15120, RNZ15485 HCJB RSA 5980, RBI 15240 Many thanks.

SHORTWAVE BANDWATCH

with BARRY WILLIAMS of Auckland



A good response this month with reports of signals coming in on all bands and from all continents. Steven Greenyer says he has logged new Latins on 120 metres the first for five years. Arthur Cushen has logged the rare Radio Apintie on 5005 khz, while Paraguay, a seldom heard country, has been logged by several members on 11914 khz. I note that several listeners have been hearing Radio Bagdad, Iraq, in English on 21585 khz with a good signal. Also well heard by Auckland Branch members at their last meeting.

Galei Zahal, Israel, is being logged on SSB, on several "out of band" frequencies. Has anybody verified them or knows whether they are a point-to-point station or a genuine broadcast transmission? I have my doubts whether they should be considered a genuine broadcast transmission. Like wise I feel Kiribata on 16433 khz, SSB, is also a FTP station. These stations are of interest but until there is proof of them being genuine BC transmissions I will not be publishing loggings of these stations after this month.

All times are GMT		Add 12 hours for NZ time		Freq. in khz.	
FERQ	TIME	COUNTRY	STATION	PROGRAM & RECEPTION DETAILS	INITI
2340	0356	ECUADOR	R. Bahai	fair signal until 0408 sign off with repeated vibraharp tune for 3 minutes.	SG
2400	0350	COLOMBIA	?	unidentified. Possibly harmonic until 0400 s/off	SG
2468	1207	PAPUA NEW GUINEA	R. Northern	Good with clear EE and pops.	KG
3220	1107	PAPUA NEW GUINEA	R. Morobe	VG with light music.	KG
3220	0445	ECUADOR	HCJB, Quito	VG till 0500 s/off. Also noted 1000 s/on mixed with Morobe. Spanish and Andean music.	BC
3355	0730	NEW CALEDONIA	Noumea	French fair signals, songs.	IA
3365	0840	BRAZIL	R. Cultura	fair with PP spoken program but low het. hum. Also R. Clube Marilia presumed the Brazilian on 3235 khz at this time.	BC
3955	0907	GI. BHAWAIN	BBC	Good signal but some QRN.	JW
4466	0417	BOLIVIA	R. Movima	Good signal till past 0500. id as "Movima" mostly male vocals.	SG
4697	0442	BOLIVIA	R. Riberalta	good signal till sign off at 0456 with frequency announcement.	SG
4730	0426	BOLIVIA	R. Abaroa	good signal till s/off with full ID and freq. ann. as (4760) then Colonel Boogie March .0518.	SG
4740	1948	UNIDENTIFIED		Hear'd to s/off 1950 with "Last Post". No identification.	MS
4770	0500	NIGERIA	Kauna	Hit of the day then program preview.	SG
4815	0845	BRAZIL	Radio Unusora Londrina	with rooster calls and pt time cnecks. Good level.	BC
4865	0935	COLOMBIA	La Voz del Cesaraco	fair signal. Spanish IDs.	OC
4895	0915	BRAZIL	R. Bare	Good signal. Portuguese ids and music.	OC
4905	0045	BRAZIL	R. Relogio	Time station and music. Poor.	CS
4940	0515	VENEZUELA	Yaracay	s/on. Weak signal	AC
4945	0303	BOLIVIA	Radio Illimani	excellent signal with program "Aqui Bolivia" and news "Informacion Nacional". s/off 0405 well over Colossal. / Fair Spanish s/off 0400.	SG
5005	0930	SURINAM	R. Apintie	Dutch Gospel program. id 0945, then popular music. Best reception yet May 43.	AC

12

FREQ	TIME	COUNTRY	STATION	PROGRAM & RECEPTION DETAILS	INITS
5015	1215	USSR	Vladivostok	, fair in Russian with talk program .	DH
5047	0525	TOGOLAND	Lome	Good sig. IS s/on French . Usually weak but very clear 13/5 .	OC
5050	2000	TANZANIA	Dar es salaam	, Fair to s/off 2015 with anthemn .	OC
5045	0330	AUSTRIA	ORF	, English Service to NA .Good . "Report from Aust." 1855 s/on with various language ID Good	GP CS
5950	0700	COSTA RICA	R.Relej	, Time checks & IDs .Ex 6006 khz ?	JM
5967	0405	COSTA RICA	HISD News	Spanish . Fair . No sign VOA .	PJ
5980	0304	GUATEMALA	AWR	, Week with Spanish religious , full ID " Desde Republica Guatemala " .Faded 0330 .	SG
5980	1100	TAIWAN		, Voice of Asia , 1 hour English program . Poor .	OC
5990	0320	ROMANIA	R.Bucharest	, Poor . Spanish . ID 0330	CS
5990	0520	FRANCE	RPI	, French . music and comment . poor . ID 0530	CS
6010	0900	BRAZIL	R.Aparaceda	, Very strong on 9/5 . ID sched.& music Fair with music and anncs. Portuguese .	OC CS
6020	1925	HOLLAND	RN	, IS and Stat ID . Poor .	CS
6025	0340	PARAGUAY	R.Nacional	, Spanish , Stat.ID 0345 . Blocked by DW 0355 . Weak signal .	CS
6025	2015	HUNGARY	R.Budapest	, Sports announc. English , Fair .	CS
6025	1035	BOLIVIA	R.Illimani	, Fair , ID " La Voz de Bolivia "	SG
6040	0405	GERMAN DEM.REP.	RBI	, Spanish , news . Stat ID 0412 .Fair	CS
6035	1541	AUSTRALIA	RA	, Cannaveron , Ex.with General prog .	JW
6095	0510	ECUADOR	HCJB	, English to NA . // 11915 , 9715 khz .	PR
6105	1030	BOLIVIA	R.Panamericana	, opens strong signal . News Spanish 1100 . AC / S/on 1025 with ID,freqs,etc." Bolivia presenta " mentioned several times .(Looks like this one Owen .ed.)	OC AC
6155	0530	PORTUGAL	Lisbon	, English on this new freq, over Austria .	AC
6155	0445	AUSTRIA	ORF	, " Austria & the UN " Good English .	GP
6190	1103	PERU	R.Oriente	, s/on with occasional anncs.	SG
6195	0900	AMIGUA	BBC Relay	, s/on to 0915 s/off . English , News,Good	PF
6215	2010	LEBANON	Radio WORD	, fair with pop songs , ID 2030 " King of Hope " .Poor with English news .Inspirational mx.	SG BC
6230	1529	AFGHANISTAN	Kabul	, ID & frequencies in English . Poor .	DM
7015	1930	ALBANIA	Titana	, s/on English .fair sig. Tirana also 7090.	CS
7105	1940	SPAIN	Madrid	, Good in Spanish .	CS
7105	0605	ASCENSION	BBC Relay	, English , music & comment . Poor .	CS
7130	1954	CANADA	R.CI	, News & music Fair . English .	CS JW
7200	0740	VANUATU	Vila	, Local news good in English .	GP
7200	1955	GERMAN DEM.REP.	Rbl	, Fair with English comment.	CS
7270	0305	POLAND	R.Polonja	, world news English . VG signal . also heard opening 1955 with IS etc.	GP CS
7280	1900	AFGHANISTAN	R.Kabul	, English news & comment . Announced as 15077 but not heard . Fair signal . Heard mid May but not noted now .	CS
7280	0020	LIBERIA	VOA	, Poor in English	CS
9440	2005	CHINA	R.Peking	, Excel'ent in English .// 11520, 15510 khz 2104 fair in English . JS ,LB ,	KG
9555	0935	KOREA NORTH	R.Pyongyang	, ID in French , fair signal	JM
9600	0206	CYPRUS	BBC Relay	, World news ,	JW
9605	2030	PORTUGAL	R.Portugal	, This Week in Portugal , English//11775	LB
9625	2115	VATICAN	Vatican Radio	, Good English to s/off 2130	PP JS
X 9685	0411	TANZANIA	R.Tanzania	, News in EE , ID 0413 , External Svce.	JM
9700	0400	NEU.ANILLES		, FWK , EE to NA . Fair sig. ex 9755 khz .	JM
9730	0400	UGANDA	Kampala	, Poor with news in English .	JM
9785	0400	USSR	R.Moscow	, VG with World Service , English .	JS
9780	0930	USSR	R.Moscow	, Music . transmission in English .	LB
9795	0931	USSR	R.Moscow	, Classical music , Fair .	JW
9805	2230	EGYPT	Cairo	, English to s/off 2245 .	JS KG IA DH

13

FREQ	TIME	COUNTRY	STATION	RECEPTION & PROGRAM DETAILS	INITS
9977	0836	KOREA NORTH	R.Pyongyang	, English . News 0930 ,	JW GP LW
11515	2030	CHINA	R.Peking	, EE to Africa , //9440, 15510 . Poor sig.	PP
11600	0825	CHINA	R.Peking	, English // 17765 ,15435 ,9860 khz .	LB
11620	2105	INDIA	AIR	, VG with English news & commentary .	PJ
11715	1740	VATICAN	Vatican Radio	, Fair with ID 1745	CS
11715	0525	SWITZERLAND	SRI	, Good in Italian .	CS
11735	0400	BULGARIA	Sofia	, Fair in English . Mixed RM.	IC
11730	2100	GREECE	Athens	, s/on with ID & Anthemn . Greek .	JS
11755	0600	GABON	Africa No.1	, ID in French . ID , fair 27/5	JM
11760	0715	COOK IS	R.Raroonga	, Heard to after 0800 . ID 0814 .	FC*
11770	2200	TURKEY	Anakara	, New frequency in English	AC
11780	0040	BRAZIL	R.Nacional	Brasilia , fair in Portuguese ,	BC
11795	0415	GERMAN DEM.REP.	RBI	, QRM , Poor in English .	IC
11790*	0232	LEBANON	Beruit	, s/on English , Poor due to QRM .	DH
11800	2035	PORTUGAL	R.Lisbon	, English , good signal ,	DH
11800	2200	ITALY	RAI	, English to Japan , Good .	PR
11805	0700	MONACO	TWR	, New service in Norwegian , Fair .	JM
11825	0630	TAHITI	R.Tahiti	, Island music , Good listening .	OC
11835	1100	SRI LANKA	RMI	, English DX program . Heavy QRM .	OC
11840	0930	JAPAN	NHK	, English to NZ over KTRW , //15235 khz .	AC PP
11865	0128	GERMAN FED.REP.	DW	English to NA .	JW
11880	0145	SPAIN	REE	, Poor in English , ID at 0155 .	CS
11890	0840	PHILIPPINES	FEBC	, English religious program . Poor .	CS
11885*	0038	URUGUAY	SODRE	, Weak with EE commentary . Clear frequency .	BC
11915	0042	PARAGUAY	R.Nacional	, Fair signal with many IDs. 0105 QRM 2358 Spanish . ID 0030 & 0059 then Jamming .	SG BC
11940	1205	KAMPUCHEA	Phnom Penh	, very poor with severe QRM .	CS
12005	0315	EGYPT	R.Cairo	, EE to NA , News . s/off 0330 , Fair .	PJ
14728	0200	ISRAEL	Galei Zahal	, Good signal in SSB . Varies ID as " Kol Israel " and " Galei Ishal " .	SG
				0400 Heard with Hebrew songs . News 0400 & 0500 in // with Home Service on 17630 khz .	JS TA
15100	2000	USSR	R.Moscow	, English music //15260,15300,15460 khz	LB
15115	0819	AUSTRALIA	RA	Good with musical program .	JW
15135	0800	NORWAY	Oslo	, English to Australasia on Sundays . Poor .	PP
15150	2130	CANADA	RCI	, DX Digest , Fair .	JS
15160	0315	USSR	R.Kiev	, Good in English , News .	GP
15275	2200	BONAIRE	TWR	, IS & s/on . Good signal in English	OC
15280	0900	SINGAPORE	BBC relay	, World Service , Good .	JW
15305	0900	SWITZERLAND	SRI	, English news commentary .	LB
15315	0230	SWEDEN	R.Sweden	, English to NA ,	PP
15315	2030	BULGARIA	Sofia	, English news good .	TA
15350	0602	USA	VOA	, African Service , " Africa Safara " . Good .	JW
15360	0330	ECUADOR	HCJB	, " DX Party Line # English to NA .	FC*
15380	0425	ROMANIA	Bucharest	, Poor in English . Closing with ID .	CS
15425	2200	PORTUGAL	R.Japan via Sines	, English to Europe	AC
15435	2057	GABON	Radio Nol	, relaying RFI in French to Africa	PR
15460	2000	USSR	R.Moscow	, English news & commentary	LB
15583	2053	ISRAEL	Kol Israel	, VG in French .	JS
15790	2228	CLANDESTINE		, Voice of Malayan Revolution , in Malay . 1506 in English . YL talking and singing . (location believed to be in Changsa ,Hunan Province ,China)	Ed
16433	0700	KIRIBATI	Radio Kiribati	, SSB fair with BBC then local news Off 1010 . Legitimate BC station ? (Of interest but like you have my doubts whether legit.BC.)	SG Ed
17605	2030	BONAIRE	RN	, English to Africa , Good .	PR
17662	0750	PAKISTAN	R.Pakistan	, Program of songs , Arabic .	TA
17770	1240	GUAM	KIWR	, "Life on Earth " English .	GP
17775	0335	UAE	Dubai	, Fair in English , , Also 0530 on 17810 fair	JS PA
17780	1340	USSR	R.Peace & Progress	, Soviet view on news . // 18870	GP

FREQ	TIME	COUNTRY	PROGRAM & RECEPTION DETAILS	INIS
17780	1005	GERMAN FED.REP.	DW , VG with English news & reports .	IW
17820	0100	CANADA RCI	Excellent at opening , English .	JW
17785*	0845	JAPAN NHK	English ID 0900 . Poor signal .	CS
18127	0435	ISRAEL	Galei Zahal , VG in Hebrew 17/5 , // 14728, to 0730	BC
21480	2145	ECUADOR	HCJB , " DX Party Line " Sundays Good sig.	GP
21495	0430	BULGARIA	Sofia , Good English , French 0500 .	JS
21520	0911	SWITZERLAND	SRI , VG in English .	IW
21530	0000	USSR RM	World Service , English news & ID , Good signal	CS
21560	2000	GT BRITAIN	BBC , World Service , news & reports , Good signal	PP
21570	0900	AUSTRALIA RA	Carnaveron , Poor English . heavy QRM .	CS
21570	0000	USA AFRIS	Delano , Fair English , Baseball commentary	CS
21575	0700	GERMAN DEM.REP.	RBI , Unscheduled EE transmission to SEAsia In English then German 0745 ./ Also noted 0200 with DDR Home Service . Preceded by several hours of test music .	JM
21585	0300	IRAQ	Badgad , IS & English ID news etc . X to NA, VG sig/BCACCS	BC
21610	0800	JAPAN NHK	English in European Svce. Good sig.	PP
21630	1909	CANADA RCI	Fair Eng. to Europe ,	BC
21630	2130	FANGIER	VOA , English ID then Polish , Good .	CS
21635	1230	SWEDEN R.	Sweden , English to SEAsia , Fair-poor .	PP
21655	1110	UAE Dubai	Fair Arabic . Also noted AA on 21640 1000 ,AA on 21695 1115 and EE on 21700 0535 .	TA
21733*	0530	UNIDENTIFIED	Believed Morocco off freq. Distorted Arabic	JS
21660	0600	CYPRUS B°C	relay Good till jammer on RPE 21665 .	JS
21660	0900	AUSTRIA ORF	Opens but severe QRM BBC & Jamming	AC
21690	0025	USSR RM	World Service .English also noted 0915	CS
25650	0930	GT BRITAIN	BBC World Service . Excellent some nights only	PP
25700	2320	ALGERIA	Algers , French ,VG news 0000 , s/off 0030	PJ
25820	0830	FRANCE RFI	Strong in French . ID 0900	TA JS
26000	0700	PHILIPPINES	AFRIS , Poor with English news .	CS

Well thats all for now . I must apologise for the quality of the typing on the first few pages . Had ribbon problems and some time before fault located .Good turnout this month with 20 contributors . Our thanks to .

JS	Jack Searle , Haumoana	CS	Cecil Symmes , Wellington
LB	Les Boyd , Wanganui	IW	Ian Wells , Dunedin
BC	Bryan Clark , Auckland	KG	Ken Graham , Mt Maunganui
MS	Mike Smith Christchurch	IA	Tim Austin
IC	Ian Cattermole	JW	Jim Webb , Manakau
PJ	Peter Jone Hamilton	PP	Peter Palmer , Dunedin
AC	ARTHUR Cushen , Invercargill	JM	John Mainland , Wellington
SG	Steven Greenyer , Invercargill	GP	Graeme Pearse , Masterton
PR	Paul Rawdon , Eastbourne	DH	David Hughes , Palmerston North
OC	Owen Cullen , Hikurangi	* FC	Frank Crow , Los Angeles

AUCKLAND BRANCH BAND SURVEY * STATIONS NOTED BY MEMBERS DURING MAY * 15100-15200

15100	1800	Peking	CC	15145	0704	RM	RR	15175	2100	Oslo	NN
15105	0120	DW	EE	15150				15180	0600	RM	RR
15110	2050	AIR	EE	15155	0705	RFI	FF		0718	RFI	FF
15115	0630	RA	EE		0928	P&P	CC	15185	2200	WINB	EE
15120	0200	Poland	EE		2030	Cuba	EE		0920	RM	RR
	0615	Lagos	EE		2230	VOA	VV		2245	VOA	EE
	1100	Sri La.	EE	15160	0750	Sofia	EE	15190	0700	RM	RR
	2210	HVJ	EE		1100	VOA	EE		1930	Madrid	SS
15125	1900	R.Bras	EE		2230	DW Czech			1955	RFI	FF
	1900	ORF	GG		2345	RA	EE	15195	0600	VOA Hunga	
	2200	Lisbon	PP	15165	1855	Denmark	EE		0735	UN Turk.	
15130	0800	RM	EE	15170	0445	Tahiti	IT		0250	Chile	SS
15135	0800	Oslo	EE		0800	RFE Hun			0800	NHK	EE
	1800	DW	EE	15175	0100	HCJB	EE		2130	VOA	FF
15140	2200	VOA	EE		2330	Belge	EE		2158	RM	SS

The recent frequency changes have caused problems to some broadcasters and we find that KTWR, Vienna and others are now blocked by more stronger signals. Latin American reception is peaking both during our late afternoons and late evening listening periods and Steven Greenyer's reception of Radio Bahia 2340 kHz at 0400 is the earliest signal on this band for 5 years. This is part of a script broadcast on Radio New Zealand on Monday June 1 0315GMT on 15485 and 17860 and repeated at 1015GMT on 11945kHz. All times are GMT, add 12 hours for NZST. All frequencies in kilohertz.

AUSTRALIA: 3RPH Radio for the Print Handicapped in Melbourne on 1705kHz using 500W now has a regular broadcast on Tuesdays 0830-1000GMT.

'Spectrum' is a new programme to be broadcast by Radio Australia in July, and this will be compered by Dick Speekman formerly of DX Juke Box, Radio Nederland. It will be of 16 minutes duration and will start on a monthly basis.

CAMEROON: English 1830-1900 noted on 4850 and on regionals on 4000, 4750 and 5070kHz.

CHINA: Peking is using new frequencies for the English broadcasts to Australia 0830-0930 and repeated 0930-1030 and this is broadcast now on 9860, 11600, 15435 and 17765kHz.

GREECE: Athens is using 9615 2200-2250 in Greek to Australia and this causes interference to the Vatican Radio also using this frequency to Australia and New Zealand 2210-2225.

IRAQ: Baghdad 21585kHz now used in English to North America 0300-0400 but still announcing 11925kHz.

ITALY: Rome Radio in English 0350-0410 now uses 11905, 15330, 17795kHz. In Italian to Australia 0830-0930 is on 9580, 11810, 15330, 17780, 21615kHz.

JAPAN: Tokyo to Australia and New Zealand in English 0930-1030 is using 17840kHz and causes interference to KTWR. This frequency change is a move from 11875 while the same programme is available from Japan on 15235.

NAMIBIA: Signals noted on 4965kHz at 0515 in Afrikaans including commercials and also heard at 1700 with a relay of news in English from the SABC.

PORTUGAL: Lisbon is now using 6155kHz in English 0300 as well as 11935, while the second transmission to North America now at 0530 is on 6155 and 5975kHz. A DX session heard every second Saturday at 0545 and the next programmes are on June 6 and June 20.

USA: Voice of America broadcasts in English to the South Pacific 2200-2400 11760, 17740, 26000 and 1100-1200 9565, 15160, 15425.

BOLIVIA: Radio Panamericana La Paz opens 1030 on 6105kHz with a strong signal and plenty of commercial announcements particularly for Colombia and RCA and has news in Spanish at 1130.

COSTA RICA: Radio Reloj noted on 5949kHz around 1030GMT with strong signal but poor modulation and Chris Martin of Sydney reports similar reception.

PARAGUAY: Radio Nacional on 11914kHz is now best received around 2200GMT with little interference but after 2300 suffers from jamming on the channel.(Martin).

SURINAM: Radio Apintie 5005kHz heard with strong signals on May 23 with announcements in Dutch at 0930 followed by 15 minutes of gospel music and full station announcement at 0945 followed by popular music.

DENMARK: The BBC Monitoring Service reports that Denmark is to have two 500kW transmitters which should be in operation by 1983. The present 50kW transmitter began operation in October, 1948 one month after Radio New Zealand's present two 7½kW transmitters. The Government agreed that the present transmitter was obviously inadequate to meet the demands of broadcasting today.

16

..sign off..

with JOHN MAINLAND

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FRANCE/GABON A Telediffusion de France frequency schedule for the period starting 4th May shows the R.France Internationale sce in FF to Africa will be relayed from the Moyabi relay station in Gabon from 1800-2130 on 15435 and 7170. BBC MS 23/4

ISRAEL The Voice of Israel announced that as from 3rd May EE would be heard as follows: 0500-0515 21710, 21675, 21600, 17685, 15582, 15485, 11655, 1200-1230 25640, 21675, 21600, 17685, 17612, 15605, 15485, 15405; 2000-2030 21675, 21475, 17685, 17645, 15582, 15485, 15415, 9009; 2230-2300 21710, 21675, 17685, 15582, 15485, 15415, 11637, 9815; 0000-0030, 0100-0130, 0200-0230 15582, 11637, 9815. BBC MS 30/4

CHINA On 24th April the Radio Moscow domestic sce reported that the "Peking authorities" had agreed to the construction of a branch of the Voice of America radio station on Chinese territory. It would be based in Canton. BBC MS 30/4

CHINA (External Service) Radio Peking to A/NZ EE 0830-0930, 0930-1030 17765, 15435, 11600, 11455, 9860, 8425, 6995. Cantonese 1000-1100 15165, 12080, 11660, 10865, 8240. BBC MS 30/4



CYPRUS The UK Marconi Electronic Company have received a contract worth almost 1.9 million pounds placed by the Foreign and Commonwealth Office for improvements to its broadcast relay station at Zyvi. The antenna order provides for 25 high-power, high-gain, wide band, wide slew shortwave curtain arrays. The project is likely to take about two years to complete. RN DX 7/5

RADIO JAPAN via Sines, Portugal 0700-0730 EE/JJ 15235, 2200-2230 EE/JJ 15425. For Australasia in English 0930-1030 15235 and 11840. BBC MS 7/5

ROMANIA Radio Bucharest has introduced a new series of short external-service transmissions. They are broadcast daily except Sundays on 17870, 15250 & 11940, 1000-1015 FF, 1015-1030 GG, 1030-1045 RR, 1045-1100 EE. BBC MS 7/5

BHUTAN/INDIA According to an ISI report, talks on greater economic co-operation between India and Bhutan were held in New Delhi on 1st May. They included discussion of plans by Bhutan to set up a 20 kW shortwave tx. BBC MS 7/5

SOUTH AFRICA The new Latin American sce will become effective 1 June 1981, 2157-2257 PP, 2257-0057 SS on 9585, 5980. via R.RSA

SWAZILAND BROADCASTING SERVICE has long term plans for an external sce. RN DX 14/5

INDIA All India Radio has announced that a contract with the Brown Boveri transmitter Company of Switzerland is now in an advanced stage. This is for the provision of two shortwave txs at a cost of approx., US\$5 million, when operational in late spring 1982 they are expected to carry the General Overseas Service. RN DX 14/5
RADIO PORTUGAL EE 0300-0330 6155, 11925; 0530-0600 6155, 9575; 1600-1630 (exc Sun) 21475; 1800-1830 (exc Sun) 17770, 21530; 2030-2100 6010, 9605, 11775; 1700-1730 (Sun) 17770. via Radio Portugal

U.S.A., The Voice of America broadcasts irregularly in German for journalists, 0245-0300 on 9565 and 1645-1700 21500. SCDX 5/5

BRAZIL Radio Nacional Brasilia now has a mailbag programme on Saturdays. RN DX 21/5

INDONESIA Voice of Indonesia now has a language lesson half way through the EE broadcast on Tuesday and 0130 Saturday. RN DX 21/5

U.S.A., WRNO, New Orleans may begin transmission in the September schedule but there is no specific date yet, main target areas will be Eastern Canada and Western Europe. FCC official via RN DX 21/5

PROPOSED STATIONS FCC has an application pending from a broadcaster in Florida who wants to transmit programming into South America and a application for a station in Saipan (Northern Mariana Is) to broadcast into Japan. RN DX 21/5

PHILIPPINES Since May 19 Radio Veritas uses 9535 0930-1530 instead of 9605, EE 1130-1200, 1430-1500 with //11955, 15215. G.V.A. Goonetilleke RN DX 28/5

ISRAEL A relay of the domestic service network "B" in Hebrew is broadcast: 0400-0615 17630, 15615, 15105, 11610; 0615-1400 25605, 17630, 15584, 15105; 1400-1630 17630, 15105; 1630-1800 17630; 1800-2000 17630, 15615, 15582, 11655; 2000-2310 17630, 15615, 11655, 11610. BBC MS 21/5