



NEW ZEALAND DX TIMES

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WHAT'S IN A NAME?

My apologies to Will Shakespeare for the following:

"What's in a name? That which we call 'DX' By any other name would sound the same."

But it wouldn't to some! And that in spite of the term implying no more than 'distant'. The dedicated, the hard-line 'DX-er' inclines to look on himself as a purist and to disdain the 'SWL-er'. You may well ask - 'So what?' - but the issue is very live in European DX circles and there are those among our own League members who are very emphatic on the point. The best definition of the difference I have seen is that given by Jonathan Marks in an article in the 1980 WRTVH in which he says:

"The 'DX-er' is primarily a technical person who enjoys watching propagation conditions in order to hear a new station. He or she is not interested in programme content but merely in the technical quality of reception and in some cases the procurement of a QSL card from the station. In contrast the Short Wave Listener is interested in a signal for its programme content and thus reception of the station must be reasonable in order to understand what is being said."

Marks goes on to say that few listeners appear to be either pure DX-ers or pure Short Wave Listeners.

Judging by letters and discussions I have had recently we have both here in New Zealand but, as they grow older, the DX-ers tend to become more moderate and I quote from a letter from Roy Knox, who with 40 years DX-ing behind him, writes:

"One of the real gems of DX is that one can do just as one wishes in order to get the most for oneself from the hobby - be it reporting - listening - keeping logs in any shape or form - one can do it or not as one wishes and no one has the right to say it is right or wrong just because it happens to be 'not the same' as anyone else does it, (except where reporting for the almighty QSL is concerned) and as long as it stays that way DXing will remain alive and well."

So where do we go from here. The essence of the hobby is listening to transmissions from 'distant' stations and whether they be long, medium or short wave or from commercial, utility, FM, TV or whatever broadcasters, we are brothers and sisters under the skin and - surely - DX-ers. CS

NEW ZEALAND RADIO DX LEAGUE

PRESIDENT: A.T.Cushen, M.B.E., Hon.Sec. C.G.Chester,

Administration Committee: P.O.Box 1313, INVERCARGILL,
(Membership, Competitions, Policy, Subs.) (9500.

Editorial: P.O.Box 2956, WELLINGTON 6000. Enquiries regarding content & distribution of the 'Times' only. CLOSING TIME: Noon on 1st Monday Monthly.

Stationery: P.O.Box 450, DAMARU 8901.

Archives: Paul Ramsay, 67 Wharfe Street, DAMARU 8901.

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\$18 : Eur., S.Amer., Africa \$20 :

JOINING FEES: NZ \$3 : Aust. & S.Pac. \$4: Other Areas \$5 .

DEADLINE: NOON - TUES. 3 JUNE - LOGGINGS: VERIES: B.O.M.: LADDERS

FROM THE BRANCHES

AUCKLAND: Twenty-one members attended the April meeting at which the re-activating of two old Trophies for Branch Competition, venue and date of next Branch DXpedition and Convention '80 were discussed. Two novice categories (100 QSLs or less) were added to the Branch competitions. COMPETITIONS - Over 9: Arthur de Maine HCJB 26020 100 w. Under 9: Barry Williams Lebanon 6550 15 kW. MW: John Allchin KAGO Oregon 1160 i kW. Novice - SW: Tom Rushbrooke Dubai 21500 300 kW. Novice - MW: Shirley Jamieson 1 XP 1593 5 kW. NEXT MEETING - 2 pm Sunday 25 May. NZART Clubrooms, 3000 Gt. North Road, New Lynn.

CANTERBURY: Eight members attended the April meeting and there were 4 apologies. Bill Wallinson, Damaru, was welcomed. Roger Stubbe was ill unfortunately and cancelled his visit. Discussion included Convention '80, stationery and lack of information on short-term AM warrants. NEXT MEETING: 2 pm Sunday 25 May at Stewart Forsyth's home, 8 Longden St. Darfield. For transport contact Alistair Stewart or David Ricquish. (NOTE: Have recently had discussion with NZ Broadcasting Commission and hope to get more up to date info on short-term warrants in future - Ed.)

SOUTHLAND: The April meeting at Arthur Cushen's was attended by 16 members and guests Roger Stubbe, of HCJB, and Murray McMillan. Business was brief and included arrangements for 10 members to visit Tiwai for a listening weekend. NEXT MEETING: Tuesday, 27 May at Leo Miezzenbeek's (Time?) Roger Stubbe showed slides of HCJB transmitters and aerials and other aspects of the station. He was asked and answered a number of questions. These, he felt, would be useful in future planning. Eric McIntosh moved the vote of thanks and expressed the interest of Branch members in HCJB. He wished Rofar a safe journey back to Ecuador. COMPETITIONS: BC B.O.M. R. Crawford/B. Dunstan R. Carve Montevideo 850 50 kW. Rest of World R. Crawford 6NM Mount Neuman 612 kHz 200 w. SW Over 9 G. Chester HCJB 26020 100 w. Under 9 A. Cushen Condor International 6243 100w.

WELLINGTON: Philip Hamlin hosted the April meeting attended by 4 members with the same number of apologies. QSLs were compared and storage methods discussed. The meeting wound up with the playing of a cassette of South American music. NEXT MEETING: 8 pm Friday 30 May at John Mainland's, 30 Burrows Avenue. Long time DXer Ray Kelly will give a talk.

market square 1980 WORLD RADIO & TV HANDBOOK.

Stocks are still available of this publication listing all the world's Radio & TV Stations. 584 pages. Soft cover. Price \$18.00

"THE WORLD IN MY EARS" - Arthur Cushen's story of 45 years of radio listening and an introduction to the listening hobby - 204 pages and 100 illustrations. Hard cover - \$14-95. SPECIAL OFFER to League Members in New Zealand only - Both publications for \$30-00. Brochures from Arthur Cushen, 212 Earn Street, INVERCARGILL.

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FM STEREO RADIO: Write for the Newsletter to The Action Committee, P.O. Box 47167, Ponsonby, AUCKLAND, or P.O. Box 44065 V.I.C., LOWER HUTT.

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DOUG. DOULL, 78 College Rd. Northcote, AUCKLAND 9, wonders if anyone has tapes (not cassettes) of the calls from RSA, Sofia & Budapest to Convention '80. Willing to pay return postage.

MAGIC SPARK Radio Museum

Alice Springs, Australia is going to become a must of radio fans. Offers one of the most comprehensive collections of antique radios, gramophones and music boxes in Australia. Other goodies too.

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SHORT TERM LICENCES - Radio Rhema, Lower Hutt has had its licence extended to 25 May 1980. Frequency and hours unchanged.

RNZ, Gore has been given a licence to broadcast the 1980 Golden Guitar Awards. 558 kHz from 23/5 - 2/6/80. Mon - Sat 0600 hrs - 1900 hrs and Sun. 0700 - 1900 hrs All N.Z. Time

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ACTING EDITOR - I have been remiss in that I have not noted my thanks to Tony King for editing the 'Times' of March this year. I and my wife had a most enjoyable time and visited not only Nepal but also Sabah, Malaysia & Singapore.

BROADCAST DX

POP EL PERSONAL NICESARIO

Latin American reception is again the feature of several DXers reports this month. Reception from that Continent has been particularly good in Southland and highlight of a Southland Branch weekend at Tiwai must surely have been the reception of Brasil in the mediumwave band, Radio Globo on 1220 kilohertz with a very good signal was heard on the afternoon of 3 May, and hopefully this is only the beginning with the peak of the season still to come.

A lot closer to home but probably more difficult to hear is a short term warrant for Levin. Radio Horowhenua, 1125 kHz? will be on the air from May 11th, 6 am until 2 pm with local programmes and then link with 2ZA after 2 pm. Thanks to L. Morris & D. Hughes.

If you missed the Gore Radio station last year then you have another chance to hear it, only this time on a different frequency. Radio New Zealand, Gore on the Gold Guitar Awards, May 23 until June 2, on 558 kHz with 200 watts, 6 am to 7 pm Monday to Saturday, and 7 am to 7 pm on Sunday.

MAILBAG.

Hank WILKINSON, California, firts up this month with one verie from 4YA, and reports to Indonesia 1206, Noumea, Tahiti, JOHE JOQP, Malaysia 882, KBS 1143, HLCQ, HLCQ, and HSKV 1215. reception very good here.

JAMES NIVEN, S. Australia, reported from home 3TR, WM, SH, 2CR, KP, 5SY, 4VL, 3CR, 2LT, 5LC, 6VA, 4RK, CKWX, 7FG, ZL, SH, QN, 2CP, 5LN, 6DL, WA, PH, AL, GF, BS, GH, EL, XM, and from New Zealand 1XW, KTOR, KPRE, KKUA, KSSK, 1XA, 2ZP, 1ZB, A3Z, 2YX, ZM, 1XI, KCR, 4BK, 1XP, ZH, ZC, ZH, ZD, ZN, KEX, KOA, CKDA, KPAC, Cuba 600, KNIX, KVOO, KFBK, KOB, QSLs are 3TR, WM, SH, 5LC, SY, 6VA, 2LA, CR, CKWX, 7FG, SH, ZL, QN, Saudi 1521, 4RK, 2CP, 5LN, 6DL, WA, PH, AL, BS, GN, XM, GF, 1XP, glad you enjoyed Convention.

ANDREW BOOTH, Darfield, has veries in from 1XA, 1ZC, 2XW, 2CH, 2UW, 3AW, 3KZ, 3NE, and 4KQ, entry is O.K.

ROBERT WEBBER, Te Kuiti, has the following QSLs 1XK, 2LT, 2UM, 1ZC, and thats it.

MARK MURRELL, Nelson, has reports out to 3KZ, 2SM, 2NC, 2NZ, and veries from 4GG, 4SB, 3WM, 2KY, 2LN, 1ZH, and WHO, Ta.

STUART FORSYTH, Darfield, who has been very busy he says! has not had time to write any but has collected veries from WOC, CFCN, CBU, perhaps the School Holidays will give you time to write some, see you soon.

PAUL ORMANDY, Christchurch, has one log of KNIX, and no QSLs.

DICK POLLARD, Nelson, has logged 1XP, 4XG, 2XR, 1XK, 2XC, 1XL, 1XC, 1XB, verified are 2XL, 2XW, 2ZK, Fiji 711, 4XG, 1XK, 1XC, and 2XR, your notes arrived too late for last month.

PAUL RAWDON, Eastbourne, has none out and only one return from KNIX, reception not that bad is it.

BRYAN CLARK, Auckland, QSLs KSSK, KGYN, and reports 2XG, KSSK, and Auckland I 92.5, and Auckland II 89.5. Whats this? JOHN ALLCHIN, Auckland also, has veries WNEC, KGAY, KAGO, KEJJ, Logs are Cuba 600, and CJOR 600. Good.

BRIAN WEBB, Upper Hutt, reports WVUV, 1YC, YE, YK, YX, ZA, ZT, ZC, 2GB, MW, XG, 3XY, 4ZB, 5DK, 7HO, HT, K.M. Osh 1431, and veries are WVUV, 1XC, YC, YE, YK/YX, ZA, ZT, ZC, 2BL, CO, CR, GB, JJ, LG, NU, WA, WN, XC, 3XY and 4ZB, ta.

MARK NICHOLLS, Auckland, reports CMW, CKWX, and 1XP, veries in from 1XP, 4XD, KOB, KHJ, KNX, 2XR, and Waves. I hear we may be seeing you later in the year.

IAN CATTERMOLE, Blenheim, reports out to 4AY, 4RO, BH, Jiji 684, 639, KCR, Rhema 1503, veries are 2GF, 2ZE, 3WM, 4RH, 5SY, 6BS and JOAB. GOOD.

STUART FORSYTH, Darfield, once again, this time its last months notes which arrived too late, veries are CFCN, WOC, CBU, KUMU, KKON, 1YB, Rebelde 600, and 1XP special Convention card. Floods held up the Darfield Pony Express.

MIWI TRAIL.

690 KKUA Good 1020, Light music,	D.F.
711 Fiji, news 0730 Good.	D.F.
738 Tahiti under at 0715.	"
800 PJB different times thru the night in various Languages.	"
990 XET, good 0650.	"
1017 Tonga, good 0645. EE and Vern.	"
1120 WVUV regular.	"
1125 Vanuaatu v good with Music,	P.O. 0730.
1580 KNIX way over KLAY 0800.	"
P.Ormandy, D.Fraser.	

Mailbag Continued. from Invercargill.

ERIC MCINTOSH, Invercargill. has logged over the past few months, 2BL, NU, ST, KO, UW, BH, NA, 3WV, DB, KZ, MA, 4MS, IP, 5RM, 6KF, 6WA, 7LA, NT, KSSK, Cuba 600, Monte Carlo 1467, PNG 585, and 23 NZers, very busy. Veries in from CMBN, PNG 585, 2BH, UW, NU, BL, 3KZ, MA, WV, 4QS, MS, QS, 5RM, 6KF, WA, 7NT and 18 New Zealanders.

TONY MAGON Invercargill. reports out to 8DR, KATB, JOIK, JOLK, Malaysia 830, DXCC, 3ZE, 5UV, 8TC, 6WA, 6DL, 6NM, 6PH, 6BS, KSSK, KKUA, KMVI, Sabah 747, 1XP, and Maska. no veries. good Asians.

PAUL ARONSEN, Invercargill. veries are WAOK, WVUV, out to KNIX, KKUA, XET, KSSK, KABC, KKON, Te Anau 1359, Taiwan 600, Saudi Arabia 648, TWR 1467. Ta.

BOB DUNSTONE, Invercargill. Has one beauty back with Carve 850.

RAY CRAWFORD, INVERCARGILL. with the usual large list has written HLSR 1170, KATB, KGNR, Cuba 550, 580, 590, 780, KSSK, L.V.d La Victor 970, Ondas del Caribe 840, Onda Popular 1040, Tunisia 1566, Globo 1220, Record 1000, L.V.d Col. 690, Sucre 700, Mundial 700, Taiwan 850, PLA 846, FEN 648, Veries in from 2CT 1390, 1602, 2XC, 2AP, KGYN, KZAM, Carve 850, 6PH, 6DL, 6NM, a good list.

ARTHUR WILLIAMS, Invercargill. has one report out to KSSK.

ARTHUR CUSHEN, Invercargill. has veries in from 2KY, KA, NR, XC, 1XP, 6GN, 6ED, reports to Dubai 1481, Rhema, 3WL, JOIK, Langenberg 1593, Baghdad 1359, India 1305, JOHG, HLKF. mixed bag.

MARTIN FLAIVE, Invercargill. Has none back but has reports to 3KZ, 5AA, 3NE, 2SM, 3XY, 2CH, 4QR, 2ZN, 2KO, 4XD, 2XW, 4KQ, 3ZA, 2JJ, 2WX, 1XW, 2CN, 2DU, 2XG, WVUV, and VOA 1575, thanks your been busy to.

STEVEN GREENYER, Invercargill. has reports out to Tuvalu 580, Globo 1220, L.Vd los Andes, 1390, Catatumba 1360, Excelsior 1360, and only one verie Te Anau 1359, a rare one.

BEST OF THE MONTH.

A tie between , Bob Dunstone and Ray Crawford with, Radio Carve, Uruguay, 850 kHz, 50 kw. 133 points.

STOP PRESS: AWR DX Programme starts 29 May: Thurs. 0100 17855; Fri. 0915 11840; Fri. 1445 15365.

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NOTICIAS DE TIWAI

550	0630	Cuba, fair to good 14/4
570	1300	KATB Guam very good to s/off at 1400. Best when 2YA off.
580	0640	Cuba, good signal 14/4
580	0630	Tuvalu. Ex sig to s/off 0645 Heard on 3/5 with News and WX.
590	0630	Cuba, good signal mixed KSSK
600	0600	Cuba often very good in EE
610	0515	Emis. Gran Colombia, good 2/5
620	0530	Ciudad de Cali, good 3/5
650	0610	Emis. Monserrate fair to good
660	0440	Unid Latin often good. 2 & 3/5
670	0530	Rumbos, Venez. good often
690	0450	L.V. de Colombia fair 3/5 mixed with two others.
700	0510	R. Sucre fair 3/5
	0545	R. Mundial, Guat. s/off 0603. Fair signal 3/5. Sucre heard again after.
750	0600	L.V. de Antioquia, fair to good
760	0545	R. Barranquilla, fair.
780	0630	Cuba, often good.
840	0510	Ondas del Caribe fair 2/5
880	0500	R. Union often good
930	0445	R. Continental fair 2/5
970	0500	L.V. de la Victor good 2/5
985	0500	R. Fascinacion in Peru good 3/5 Heard on 990 on 2/5
1000	0445	R. Record, Brasil fair 3/5
1040	0900	Onda Popular good 2/5
1060	0600	Trans. Caldas good often
1070	0530	Sante Fe often fair
1110	0545	R. Reloj often good
1140	0440	R. Cristal often
1180	0500	Surcolombiana often on top of Retrolera.
1190	0600	Cordillera often very good
1220	0435	R. Globo, Brasil very good 3/5
1230	0430	R. Calidad often very good
1300	0600	One of the R. Reloj's, good
1380	0345	Colo Colo often the first heard
1440	0610	CARACOL ID heard
1520	0430	R. Reloj, Peru often very good
1550	0500	Two Colombians mixed

648	1800	Saudi Arabia heard often
	1900	FEN Okinawa good with News
1481	1830	Dubai still heard fairly good

STATION NEWS

PUERTO RICO: WQBS 630 now 5kW 24hrs., WHOY 1210 5kW., WNEL 1430 24hrs.

USSR: Reported in EE on 1143 1900-2000. Also on 936, 1143, 1387, 1494 2100-2200. MWN

CHINA: Hainan Isalnd PBS in Haikou on 954 and 1188 2100-0030, (not Sundays), Sunday on until 0200. 0250-0600 and 0900-1500 also scheduled. BBC-MS

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VL2NI. NORFOLK ISLAND.

While on holiday in Norfolk Island recently I took the chance to call in and have a look at Radio Norfolk Island VL2NI.

Apart from the large masts in the front of the building there is very little to indicate that the single storied building, behind the library is the home of VL2NI. The duty announcer George Smith gladly answered my questions and then put me in contact with the Broadcasting Officer, Kathy Leeren who added to the details. VL2NI broadcasts on a frequency of 1566 kHz with a power of 50 watts, transmission hours, usually 6.30 am to 10.30 pm Monday to Saturday Norfolk time and 12.30 until 11.00 pm on Sundays. During the afternoons Radio Australia is carried in relay. The station has a staff of 22, with the morning announcers being paid, and the rest of the time announcing is done on a voluntary basis. The station is financed by the Norfolk Island Administration. Programming is a pleasant blend of music and serials, with requests being very popular.

The station is suprised to receive reports and will verify correct ones. So far reports have come from NZ, East Australia, Japan and one from Italy, not bad for 50 watts. Why not have a listen for them, early evening appears to be the best time. I am sure your report would be welcome. S.G.

FROM THE COMPETITIONS SECRETARY.

If you are wondering why some certificates have not arrived the reason is that we have run out of Best of The Month, and Ladder Winner Certificates. Extensive inquiries have failed to find the printing blocks for these Certificates, if they do not turn up then we will have to have new blocks made. If anyone has any idea where they may be would they please let me know.

I hope to publish a list of Thirtieth Anniversary winners next month by which time certificates should have been posted.

Finally if you require ladder stickers please request them from the Competitions Secretary, It is not always possible to tell from the Ladder who requires what stickers.

WHAT'S THE TIME ?

Dates for Daylight saving in the Northern Hemisphere. Thanks to B.Clark.

27 April to 25 October. U.S.A. Baja California, part of Mexico. Canada. Bahamas. Bermuda, Jamaica, Turks & Caicos *

6 April to 27 September. Austria, Belgium, Czechoslovakia, France, Denmark. East and West Germany, Luxemburg. Italy, Monaco, Netherlands Norway, Poland Spain, Switzerland, Rumania, Greece, Cyprus, Greenland, Guadeloupe, Hungary, Martineque, Portugal, Canary Islands.

21 March to 22 September. Iran, GMT + 4½.

16 March to 25 October. Great Britain, Ireland.

31 March to 20 September. Malta.

25 April to 30 October. Algeria.

1 April to 30 September. Bulgaria.

16 March to 11 October. Cuba.

1 May to 30 September. Albania. *

11 May to 19 October. Hong Kong.

1 May to 31 July. Morrocco *

30 June to 30 September. Taiwan. *

* Indicates dates not yet Official.

Next Month your two regular Medium wave Pages Editors are off to Australia, Highlight being the Southern Cross Convention, so for June we will have stand in Editors, our thanks to them for filling the gap.



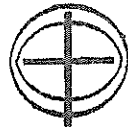
Radio Belgrano
SERVICIO OSI
URUGUAY 1237
100 - BUENOS AIRES - REPUBLICA ARGENTINA

a new country

⑥ If you happen to be listening to a broadcast from the New Hebrides at 1245 hrs. GMT on 30 July 1980 and continue listening through to 1315 hrs. GMT on the same date, you will have heard 'two' radio countries - and if you send two reports and get back two QSLs you will, if you have not already had a verie from New Hebrides, be able to increase your total of 'countries heard' by two. The reason for this extraordinary situation is that - unless the time and date of the event are changed again - this is when the New Hebrides will become an independent nation with the name VANUA ATU.

letters:

Remarkably few letters in response to our request for feedback. Paul Ramsay wrote to tell us he hopes to get back into DX-ing after a lapse of 12 months. He sent us details of a folded dipole antenna which is being checked out with a view to publication. Thanks, Paul and good listening. - Ray Hobman, Wainuiomata, takes me to task for saying TV/FM DX has limited appeal and suggests a possible reason is the poor summer in N.Z. He also tells of having written to Radio Australia about the possibility of using their domestic satellite. The answer came back that the N.Z. Government did not want to share in this venture. And still on TV/FM, John Allchin tells us that both he and Mark Nicholls have verified Radio Auckland One - 92.5 and Radio Auckland Two - 89.5. Nice work chums. Then we have a note from A.C. Verry, Lower Hutt, who suggests a list of members names and addresses. That would present some problems as there are numerous changes and keeping up to date is a problem. He would like to contact other League members in the area - so over to you. I've already referred to a letter from Roy Knox of Hamilton. His main criticism of the times is that there is not enough 'Bandwatch' and station schedule information. Thought we did fairly well there anyhow and do not think we can do much more. And lastly, from Frank Crow in Los Angeles. Actually a couple of letters - in March he commented that he is a frequent listener to RNZ and thinks that their signal on the Californian coast is probably the best SINPO per watt they hear. In April he got a verie back for HCJB 26020 which amazed him as he was using a 40 foot indoor long wire, his 80 foot inverted-L having been taken down while the roof was being repaired. He thinks that 10% of members contributing to the Times is pretty good. Suggests that as a space saving exercise BC-DX and SW-DX Mailbags might be combined - eleven names were duplicated in April. And a couple I forgot about - replied direct to Mrs. T.B. May, at New Plymouth, who had a query about S.W. Mailbag and Bandwatch. She also heard and reported R. Budapest on 17710 to the Convention. Replied to her direct - thanks for sending RP. And still awaiting a reply Dexter Powley, of Dunedin, who has written about short term broadcasting warrants. To him also thanks for sending RP. It all helps. Thanks to you all! Ed.



Trans World Radio

for china watchers

Republic of China. Enquiries to Mr. G. Cosier, 7 Donald Rd., Burwood 3125, Aust.

competition for handicapped

The Down Under DX Club has recently produced a Special Map Supplement to clarify available information on transmitter sites in the People's Republic of China. Enquiries to Mr. G. Cosier, 7 Donald Rd., Burwood 3125, Aust.

The Competitions Committee is in course of preparing Rules for a special competition for the physically disabled. Before proceeding too far, the Committee would like to have some idea of what interest there would be in such a competition. Would members please advise the Competitions Secretary, P.O. Box 1313, Invercargill.

Broadcast

DEVISION	INC	APRIL	INC	QNT
GOLD STAR(over 1250)				
Arthur Cushen	2393	2415	22	145
Keith Robinson	2275	2298	23	114
Ray Crawford	1423	1476	53	161
SILVER AGE(751-1000)				
Eric McIntosh	1050	1078	28	88
Robin Chambers	951	-	-	115
Dene Lynneberg	815	820	5	100
Chris Martin	710	-	-	152
AGE(501-750)				
David Ricquish	584	611	27	50
Bryan Clark	504	511	7	92
SENIOR(301-500)				
Paul Aronsen	489	-	-	-
Hank Wilkinson	462	483	21	76
Ray Babbage	447	450	3	45
Ian Cattermole	410	435	25	24
Lance Johnston	-	329	-	30
John Campbell	330	340	10	97
John Allchin	309	318	9	29
INTERMEDIATE(151-300)				
Jim Bensoni	252	-	-	25
Stuart Forsyth	188	202	14	17
Paul Rawdon	187	-	-	27
Jack Searle	182	183	1	20
Leigh Morris	179	182	3	33
Gunter Jacob	164	170	6	34
Paul Ramsay	154	160	6	5
JUNIOR(50-150)				
Peter Jones	120	138	18	6
Mike Smith	115	127	12	10
Mark Nichols	71	84	13	5
Steven Greenyer	-	73	-	27
Alex Wellner	-	59	-	9

LEAGUE LADDERS

Shortwave

DEVISION	INC	APRIL	INC	QNT
GOLD STAR(over 1250)				
Arthur Cushen	4688	4796	108	240
Bob Padula	4656	4685	29	-
Dene Lynneberg	2317	2394	77	214
Ray Crawford	1540	1623	83	169
John Mainland	1529	1562	33	202
John Durham	1521	1549	28	183
Bill Huddleston	1384	1405	21	144
Ray Babbage	1342	1356	14	131
Bryan Clark	1286	1310	24	202
Gunter Jacob	1255	1299	44	126
GOLD AGE(1001-1250)				
Ian Cattermole	1179	1272	93	127
Jack Searle	1058	1096	38	135
AGE(501-750)				
John Campbell	730	761	31	224
Paul Aronsen	684	-	-	-
Eric Mc Intosh	670	676	6	117
Jim Bensoni	568	-	-	100
Paul Rawdon	558	-	-	132
Peter Jones	540	618	78	93
SENIOR(301-500)				
Steven Greenyer	-	447	-	139
Lance Johnston	-	-	-	-
Bill Jolly	343	356	13	75
Jack Farrow	317	321	4	53
INTERMEDIATE(151-300)				
Leigh Morris	230	284	54	111
Mike Smith	223	260	37	69
Ian Wells	-	-	-	-
Gregory Baker	152	-	-	62
David Munn	151	-	-	72
JUNIOR(51-150)				
Chris Hutton	150	170	20	45
Philip Hamlin	143	-	-	33
David Hughes	114	133	19	70
Stuart Forsyth	120	125	5	54
John Allchin	102	108	6	67
Arthur De Maine	91	108	17	48
Michael Williams	105	-	-	32
Mark Nichols	50	-	-	19
Les Boyd	-	50	-	23
Bill Mannix	45	-	-	37

Welcome back to this column to Lance Johnston of Christchurch. You have been missing quite a long while Lance. Hope to see your name in this section for a good term. The DR 28 has been sold in Hastings even at \$829 we Kiwis must consider it good buying, however the DR 22 at \$544 is still available. Also a Second Hand EC10 available at the PSIS Shop Wellington around \$475 I think. An unused (new)? EC10 at the same place is about \$950.....Good olde Duty Free.....

No sign of that long awaited card Bryan, will be writing to you shortly however..... Congratulations to David Ricquish reaching 50 on BC, it may not be 100 but it is still a lot of Countries. Also to John Campbell edging up to that magic 100 on BC ((97) and 224 on SW (Countries that is) How about a few more mid term totals there are a lot of gaps in the totals these days/

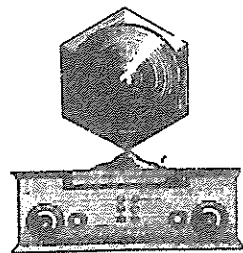
Elsewhere in this issue is reported the new programme 'New Zealand Calling' on short wave. In addition to the transmission mentioned the programme is repeated on 11945 kHz at 0845 hrs. GMT.

Welcome to Les or is it Des Boyd, Cannot quite make out your Christian name..... My apologies for missing last months deadline but illness is my excuse.....

REMEMBER THE FINALS IN JUNE

Due to a number of causes, Ray Babbage has had to give up the production of this Section. We thank him for his efforts and wish him 'Good health and Good Listening'. From August, Tony King will take over. Thanks to him, too!

EQUIPMENT REVIEW

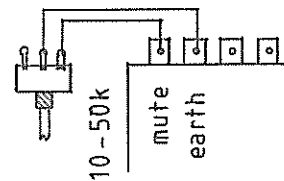


with BRUCE LISTER.

As a postscript to the notes printed last year about the fitting of narrow bandwidth filters to the FRG7 a letter from Fred Clements of Miramar Wellington advises that he had the job done by Radio Engineering in Dunedin. The receiver now operates with the wideband filter when switched to the AM mode while on the AM/ANL and SSB positions the set works with the narrow band filter. Fred's reaction to the conversion is very favourable and he thinks that it was worthwhile.

News of an addition to the range of McKay Dymek receivers the DR101 has been received. Similar in specifications to the models reviewed in these pages last August it has the added feature of automatic scanning. This feature allows any part of the MF or HF spectrum to be scanned automatically in 100 Hz steps at a rate variable from 100 Hz to 2MHz per second.

A good guide to the popularity of a receiver is the number of mods that are tried and successfully incorporated in the set. In recent years the FRG7 would win this race easily although it's big brother the FRG7000 is catching up, all of which leads to two notes from Leigh Morris. The first is an addition that may be fitted to any FRG7/7000 beneficial results and to quote Leigh. There has been the odd occasion when my FRG7000 suffers from song signal overloading. Generally the attenuator switch will solve the problem but the variation in the steps supplied is not always satisfactory and so I have fitted an RF gain control as shown in the diagram. The parts required are very simple, just 1 potentiometer with a value anywhere between 10,000 & 50,000 ohms and a small length of wire. The wires are soldered to the 'pot' as shown in the diagram and fitted to the terminals on the set. To finish off a bracket to hold the unit may be fitted under the buffers on the side of the cabinet.



Also from Leigh and of interest to FRG7000 owners are details of the alterations to provide two selectivities on AM. To modify, remove cabinet, set chassis on side and locate mode switch. The white wire with blue stripes controls the 6kHz filter enters lug 2 of the switch and then bridges to lug 1. Remove the wire between lugs 1&2. Prepare a short length of insulated wire and solder the bared ends between pins land pin 3 or 4. Check wiring and refit into cabinet. The set will now operate with the wide filter in the AM position and the narrow filter in all other positions.

Kenwood R1000. From Ralph Sanserino has come details of how to alter the wiring of this set to provide better selectivity on AM reception. I believe that sets being delivered now have this alteration done or else include information on how it may be done. Should any reader require the details I will be pleased to supply on receipt of an SAE. I have also received from Masami Onizawa in Tokyo notes about the R100 that were too late to include in the original review - sorry.

AGC What is it? Automatic Gain Control or AGC is a control system used in receivers the purpose of which is not always understood. AGC controls the gain of the sets amplification stages prior to detection of the audio information. This is done to prevent these stages overloading which would introduce distortion and intermodulation, it helps to counteract fading and also presents the maximum usable signal to the detector so that it may operate at best efficiency. It does all this by reducing the gain of the controlled stages in proportion to the signal strength. Typically the amount of control used to keep the output variation to a 2:1 ratio (6dB) is; domestic radios 100:1; DX receivers 10,000:1 (80dB) and top line communications receivers 100,000:1 or (100dB). In most sets the speed at which control starts and the length of time control remains in operation is set by the designer.

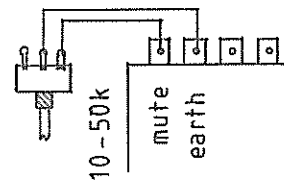
Bryan Clark has provided the following United Kingdom ⁸ prices to give a relative idea of where various receivers will fall in comparison with one another. Top of the line in general coverage receivers is the new Drake R7 at pounds UK 834 For comparison the Drake SFR4 is 460 pounds. The Yaesu FRG 7000 is next at 375 pounds followed by the Kenwood R1000 at 295 pounds. The FRG7 sells at 214 pounds and then comes the Kenwood R300 selling for 189 pounds. All these prices include 15% value added tax. Doubling the above prices will give a rough conversion to \$NZ.

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Shortwave Mailbag

with JOHN ALLCHIN ⁹

A very good turnout this month, supported by a number of contributors which missed last months closing date. Mail delays are a bit more common these days so remember to make allowance for this when sending your notes in. Without a doubt, the QSL highlight is from Ireland, courtesy the Pirate Radio Condor International - certainly an excellent catch and one of the only ways to get this country verified on Shortwave, especially from our distant location. The rather difficult to verify BBS Rangoon appears this month, and also one from Greenland, which hasn't been reported to this section by a New Zealand DXer for quite a few years. Another rare one verified this month is Iceland. Now to the mail

RAY CRAWFORD Invercargill reports only a couple of reports out this time, but has a lengthy list with AFRTS Delano 21570, 25615, Bethany 11790, 15430, Poro 21670, Chile 15140, Brasil Central 11815, TWR Bonaire 11925, Banderantes 11925, Lhaea 4035, Hilversum 5955, Changchun 3310, Wengzhou 2415, Nanning 4915, Wuhan 3940, Moscow via Kiev 7230, Armavir 12010, 21465, Zhigulevsk 15185, Lvov 21530, Tula 7240, 9610, Vinnitsa 7215, 17710, 21555, 11980, Moscow 9630, Baku 17825, Irkutsk 17880, Simferopol 17855. Thanks Ray!

LEIGH MORRIS Palmerston North, has them back from Tashkent 6025, FEBA 11850, Dubai 21500, El Espectador 11835, Casino 5954, Bayerischer Rundfunk 6085, Prague 9505, 6055, and Chile 17800. Thanks for those comments Leigh!

LES BOYD Wanganui, has sent five out and has QSL'd HCJB 26020, Israel 9425, 9815, Spain 11880, Japan 11875, and RA 21740 with Anniversary Card.

JACK SEARLE Haumoana, reports a quiet month with seven out and veries back from Peking 15590, RM Irkutsk (2), Kharbarovsk 17870, Radio Bras 15125 with full data card and Portugal 6185.

IAN WELLS Dunedin, has 12 reports out as a result of some listening over Easter and Anzac weekends, and has verified Peking 9460, TWR Monaco 9495, RN Lopik 17605 for country no. 63. Each of the Soviet Republics is a separate country for verification purposes - Ryazan and Armavir are both in RSPSR (European) and are therefore counted as one country in this case. See October 1978 DX Times for details.

MARK MURRELL Nelson, has verified REE 9520, 9630, 11880, HCJB 11900, BBC 15420, Moscow 15310, 15305, 11970 with mint stamps, Norway 21730, Peking 9460 with their 1980 Calendar, Portugal 9740, RN 9710, 9760 with postcards of Holland, NHK 21610, and Bucharest 15345 in 5 months. Thanks Mark!

PAUL ORMANDY Oamaru, has sent two out and has one in from RSA 25790.

MIKE SMITH Hobsonville, has QSL'd Spain 9630, RFI 17850, 15360, 17720, Chile 17800, AFRTS 21570, 9660, 9585, WINB 15250, 15185, TWR Bonaire 15440, Budapest 9835, HCJB 6130, 11900, 9745, Gazeta 5955, Austria 21655, IBA 17560, RM Moscow 15360, 15460, Frunze 15510, Tula 21615, Chita 15385, and Yerevan 17700.

M.L.U. BURKE Christchurch, is a new member, using a National DR-49 and reports QSLs back from BBC London, HCJB, Peking, AFRTS, Deutsche Welle and Radio Nederland. 13 reports are out. Good to hear from you and welcome to these pages, you certainly have a nice receiver. Remember to give us the frequencies of your QSLs, and no I haven't heard RA on 17945, perhaps a transmitter fault?

JIM GORMAN Papakura has QSLs in from NHK 7140, 7195, SRI 15125, 21585, 21630, RFI 7135, 25900, RM Armavir 21645, Kenga 17805, and Nikolayevsk-on-Amur 5900, ILLA 4770, 11830, Portugal 11925, HCJB 17885, IBA 17815, WYFR 21615, RNZ 17860, RA 21650 (Anniversary Card) ORF 21640, Peking 6955 and Hellongjiang PBS 5950. QSL total rising Jim!

MASAMI ONIZAWA Japan has QSLs in from RFE 11730, Habana 9525, TIFC 5055 and five reports have been sent out. Good to hear from you again Masami!

DAVID MUNN Hamilton, has verified Singapore 5010, FEBA 15400, RSA 15220, HCJB 26020, 21480, Kabul 15070, Continente 5030, WYFR 21535 and Fides 4845. Very good!

TOM CHISNELL Nelson - thanks for note Tom, the Convention was a great success. Your Austrian item appears in 'Sign Off', thanks very much! Hopefully we'll meet up at the next Convention.

IAN CATTERMOLE Blenheim has QSLs back for AWR Andorra 6215, Lisbon 15170, Rangoon 4725 (a good one there Ian) Bucharest 17890, DW 11865, Combiema 6025, DW Kigali 15410, RBI 11700, 15240, 15265, Tanjungkarang 3395, Moscow 7215, 12015, 15455, 11900, FEBC 11890, SRI 17735, Tashkent 11785, Prague 21705, KTWR 11735, 15365 and Londrina 4815.

PAUL ARONSEN Wallacetown has logged 22 and QSL'd Nigeria 15120 and Chile 17800. Keeping the 'oar' warmed up?

BOB PADULA Melbourne has verified the following: Veritas 15285, 11955, WYFR 11740, 15170, Moscow 12055, 9580, 12075, 11630, Athens 7135, Sofia 9665, 11720, 11735, HCJB 26020, Seoul 7275, Ankara 7215, ARDXC via HCJB 11900, 15405, and 21480. April notes received in Wellington 11/4.

ARTHUR DE MAINE Auckland has just one in from HCJB 26020.

PAUL RAWDON Eastbourne has none out but has verified Voice of Lebanon 6550, HCJB 26020, Kenya 4904 (4804?) WYFR 15130, Nigeria 3266, and SRI 17760.

BRIAN WEBB Upper Hutt has been fairly busy with 17 out and verifies in from SFR 6065, Bucharest 11940, IBA 9425, 9815, DW 9765, 15150, 17795, HCJB 17885, 21480, IBRA via Sines 9670, AFRTS Delano 17765, RFI 17795, 17850, 17860, Norway 21730, Peking 9460, 11600, 11725, 15125, 15520, 17635, RN Bonaire 17695, Lopik 15235, VLW6, VLW9, and H4B9 Solomons.

DAVID HUGHES Palmerston North has eight new countries verified in this list - REE 15290, Sofia 9530, Mombasa 4934, Chile 17800, Tashkent 11705, 6025, Praha 5930, Tahiti 6135, Lebanon 6550, AWR Andorra 6215, P2K3 3925, Manus 3905, East Sepik 3335 with pennant, ORU 17740, 21475 with a pennant, Bucharest 11940, 17805 with pennant badge, El Mundo 6120, and T-Shirt in Radio Veritas lucky letter contest. A good list, some first hand Convention news from Leigh, huh?

JOHN MAINLAND Wellington has received verifications from Tashkent 11785, Riyadh 5875, HCJB 21480, 15250, 11835, RAI 15250 Iceland 12175 (a very nice one John!) CBS Taiwan 9690, Prague 21505, 21705, Lisbon 6185, 21475, Dubai 21470, IBRA Malta 9650, Renascenca-Sines 9670 and AIR 17387.

ANDREW BOOTH Darfield, Canterbury has four in from Port Moresby 4890, Peking 9880, KTWR Agana 11840 and AFRTS Delano 21615. Keep them coming!

PETER JONES Hamilton, has a nice list with Lagos 7255, RBI 15100, Sofia 15310, AIR 21695, ORF 15440, 12015, Poland 7270, REE 15395, BBC UK 11955, 9410, IBRA 9530, RM Tula 7240, AFRTS 6030, Delano 25615, Dixon 25620, Emis Nueva Granada 6160 in 3 1/2 weeks and Chile 17800 for a new country.

ROBERT WEBBER Te Kuiti, has them back from RSA 17780, Bucharest 11940, Kuwait 21545, Solomon Islands 5020, Israel 15105 and ORF 21735. Thanks, comments noted.

BARRY WILLIAMS Auckland has QSL'd RM Habana 11860, Irkutsk 17880, Zhigolevsk and Voice of Lebanon 6550.

BEST OF THE MONTH

UNDER 9 MHz

Radio Condor International, Dublin IRELAND; 6245 kHz with a power of 100 watts. **154 Points**

ARTHUR CUSHEN of Invercargill

OVER 9 MHz

HCJB Quito, ECUADOR with a power of 100 watts. **138 Points**

BILL JOLLY Kawerau, PAUL RAWDON Eastbourne, ARTHUR DE MAINE Auckland.

PAUL RAWDON Eastbourne, makes a second appearance with these verified - AWR Andorra 6215, RA 17795, 11855, 11700, 11725, 9505, 6030, Radiobras 15125, New Ireland 2428, AWR Sri Lanka 11800 and pennant, HCJB 17885 RSA 21695.

JACK FARROW Lower Hutt has QSLs in from RN Bonaire 21640 and Moscow 7310.

BILL JOLLY Kawerau has just one out and verifies to hand from AFRTS Delano 17765, BBC UK 21710, HCJB 26020, and Chile 17800 after a 12 month wait!

ARTHUR CUSHEN Invercargill has a large list with RSA 15265, Moscow 11950, 17710, 17805, 17840, 21715, 17870, 17765, 15305, 15350, 15460, 11770, Madrid 15405, Budapest 15220, Nigeria 3326, Lisbon 21735, NHK 15245, 15230 HCJB 15415, Prague 21615, 17705, 15110, Guyana 5950, Korea 9570, Condor International 6243, Dubai 21500, RRI Matoran 2492 and TWR Bonaire 15440. Excellent!

CECIL SYMMES Wellington has QSLs back from RRI Sorong, Irian Jaya 4875, Bangladesh 11765 and via BBC WRC DX Award Ascension 15390, UK 25650, Cyprus 17840 and Singapore 15280.

STUART FORSYTH Darfield, has verified BBC UK 3955, Ascension 15260, REE 11755, IBA 17685, 21500, RAI 15330 (country 57) RM via Tashkent 17710, Vinnitsa 7215, 11890, 17710 21555, Kiev 7230, Tula 7240, Moscow 21530, 9490, Chita 15385, Dushanbe 17765, Kenga 17805, Voronezh 15305, Lvov 7150, Sverdlovsk 7310, Baku 17825, Simferopol 17855, and Irkutsk 17880.

BRYAN CLARK Auckland, has 10 away and three in from Prague 21705, Vienna 21640 and Greenland 9575 for country no. 204!

radio SWEDEN
105 10 STOKHOLM SWEDEN

SHORTWAVE BANDWATCH

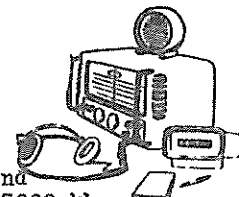
with BARRY WILLIAMS of Auckland

The logging of interest this week is Adventist World Radio (AWR) in Guatemala on 5970 kHz reported by Bryan Clark and John Mainland. Bryan also advises that via his Greenland QSL, 3999 kHz is the only Shortwave frequency now used. 5980 and 9575 kHz have been closed as of the 1st March. This is going to make a very difficult country to log even more so.

Several DXers have reported that African signals over recent weeks have been good on 60 and 90 metres. Still a lot of interest being heard so lets get on with Bandwatch.

All times are GMT. Add 12 hours for New Zealand Standard Time. Freq. Khz.

FREQ	TIME	COUNTRY	STATION	PROGRAM AND RECEPTION DETAILS	INITIALS
2425	1815	ZIMBABWE	Gwelo ?	Signs of station presumed Gwelo. Deep fading.	TM
3300	2035	BURUNDI	Bujumbura	Heard again with talk in French and Vernaculars	
3326	1800	NIGERIA	Lagos	Solid signal with English news. Excellent copy	BP
3355	0810	NEW CALEDONIA	Noumea	Fair in French CS; Good 0720 French	DF
3366	0530	GHANA	Accra	s/on poor but improving. Hymns on Sunday. // 4915 kHz with good signal.	BC
3396	1830	ZIMBABWE	Gwelo	heard daily with Concert program. Good.	TM
3955	1932	GT.BRITAIN	BBC	German news. Station ID 1935. Good	CS
3980	0600	GERMAN FED. REP.	VOA Munich	English transmission	PA
3995	0525	GERMAN FED. REP.	DW	IS and ID at 0530. Poor in German.	CS
4000	1850	CAMEROON	R.Cameroon	Fair in French with music and annos. new. Fade 1915. // 4850 khz.	BC
4003	1455	INDONESIA	RRI Padang	Orchestral music, news. Relay Djakarta	AC
4755	0810	BRAZIL	R.Educ. Rural	Latin Am. music. Vary time checks and IDs	DF
4770	0609	LIBERIA	ELWA	Fair in English, Religious	BC JS
4777	0517	GABON	Libreville	Regular signal in French	BC
4790	0412	PERU	R.Atlantida	Rock music, weak signal. Full ID 0500	DF
4907.5	2055	SAO TOME		Portuguese anncts. Pop. music	BP
4835	0500	SOUTH AFRICA	SABC	Fair with English. PO; 1745 English	PA
4845	1002	BOLIVIA	R.Fides	Poor with ID in Spanish.	CS
4845	0608	MAURITANIE	Nouakichot	Fair sig. Arabic	JS
4850	0500	CAMEROONS	Yaounde	News in French. 0504 news in English. 0505 ID in French and English. DF; PA; 0531 news in English. Best signal on 60 metres. BC;	
4860	0600	UNIDENTIFIED		Uninterrupted C&W music. No ID heard in 3 hours. Signal dropping by 0900. Heard 17/4;	JS
4860	0906	PERU	R.Chinchachochoa	Fair with some QRM	IW
4865	1947	MOZAMBIQUE		? weak signal	PA
4870	0525	COTONOU	Benin	Good signal in French	PA JS
4900	1034	VENEZUELA	R.Juventud	? Poor with music and talks Spanish	MO@
4910	0550	GUINEA	Conakry	Program French	PA
4915	0600	GHANA	Accra	// 4980 khz in English.	JS
4940	0801	IVORY COAST	Abidjan	Fair at s/on in French	BC
4940	1010	VENEZUELA	R.Yaracuy	Light music, ID at 1015. Fair	DF
4945	0755	COLOMBIA	R.Colosal	Full ID 0830. very good sig.	CS IW
4985	0720	BRAZIL	R.Brazil Central	? Music and time checks.	DF
5005	0500	EQUATORIAL GUINEA		Good in Spanish.	PA
5026	1830	UGANDA	Kampala	Good signal	PA
5030	0500	VENEZUELA	R.Reioj Contiente	s/off with Anthem and full ID.	DF
5035	0515	UNIDENTIFIED		(see April Times) Gospel in Spanish then 5 minutes silence; More light music and silent spots till 0605 off.	DF
5040	0620	PERU	R.Libertad	Good with Latin music, time checks.	DF



12

FREQ	TIME	COUNTRY	STATION	PROGRAM AND RECEPTION DETAILS	INITS
5045	0800	COOK IS.	R.Cook Islands	Good with " Top Ten "	CS IW
5047	0520	TOGO	Lome	Good signal	PA
5055	1103	COSTA RICA	TIFC	fair with " Amancer con Dios " Religious	MO@
5057	0610	BRAZIL	Brazil Central	Weak with Port. music & time checks (Not to be confused with Albania on same freq. a little earlierDF)	DF
5060	1032	ECUADOR	HCEHS	Progreso, Fair with music	MO@
5075	1100	COLOMBIA	R.Sutatenza	Spanish music and announcements	MB
5930	1745	CZECHOSLOVAKIA	R.Prague	Poor with English commentary and music CS	CS
5945	1955	AUSTRIA	ORF	Fair in German. Music and Station ID	CS
5960	1104	USSR	R.Moscow World Service	Eng. news and Panorama. Fair.	CS
5965	0300	BELIZE	R.Belize (Tentative)	AN ID heard with Caribbean music. heard till R.Canada s/on	DM
5965	0525	NIGERIA	Jos	Fair in English. Commercials and Afro music. ID as " This is Radio Plateau ,Jos " and " Plateau BC Corp." . English news 0530	BC
5970	1430	GERMAN FED. REP.	Radio Free Europe	Jazz music program	AC
5975	0610	Gt.BRITAIN	BBC	Good English news. Also noted 1820,2020	CS
5980	0420	GUATEMALA	Adventist World Radio	TGMUA, with English Gospel programs. Clear frequency but splash from BBC 5975 khz. Station s/off and address at 0503. Close down 0510.	JM BC
6000	0628	AUSTRIA	ORF	Home Service relay, German, good signal	BF@
6006	0810	COSTA RICA	R.Reloj	Fair with Spanish music and IDs	CS
6012	0620	ANTARTICA	AFAN	Mc Murdo Sound providing regular reception. In AM mode, not SSB as last year. Heard to past 0930 0730 Fair with Pop music. English. RW; Fair most nights	BC CS
6020	1840	HOLLAND	RN	English. Severe Co-channel QRM	CS
6030	0535	GERMAN FED. REP.	SDR	Light music. some QRM	DF
6040	2015	Gt.BRITAIN	VOA	Good with jazz music, English	CS
6065	1850	SWEDEN	R.Sweden	News report in English. strong	JS
6070	1856	SWAZILAND	TWR Manzini	English Gospel till s/off 1918	BC
6076.5	0815	UNIDENTIFIED	LATIN	Regular in Spanish to past 0930. 4 time checksBC	BC
6090	0840	AUSTRALIA	VLI6	ABC program, English	MB
6090	0515	LUXEMBOURG	R.Luxembourg	Good in German. ID at 0600	CS
6100	1930	YUGOSLAVIA	Belgrade	Good in French	JS
6110	1435	PHILIPPINES	VOA	English program, Jazz music	CS
6115	0812	COLOMBIA	La Voz del Llano	LA music, Spanish, ID 0811, GoodDF 1017 good signal with " Mucho Musica "	MS
6130	0800	ECUADOR	HCJB	Good reception with " Passport " 0706 good signal with Religious program in English	MM CS
6135	0843	COLOMBIA	Voz del Huila	Good with full ID at 0900, Spanish	IW
6165	2200	ZAMBIA	Zambia B.S.	//4911 with General Svce. Vernacs. 6060 khz Home Service also heard to s/off 2205	BF@
6165	0440	ITALY	RAI	Fair in English	DH
6180	0858	ARGENTINA	R.Nacional	Mendoza, s/on anthem, SS ID	BF@
6185	0400	NORWAY	Oslo	Transmission to Nth.America	AC
6215	1830	ANDORRA	AWR	Religious program in Eng.Back on this freq.	DM
6250	0500	EQUATOR.GUINEA	Malabo	s/on long anthem, Prog. high life Afro music. Annc. 0543. Fade out 0555. No ID heard and station noted one night only, Fair signal.	TM
6480	1600	KOREA SOUTH	R.Korea	good signal with news	MS
6550	1815	LEBANON	Voice of Lebanon	Fair with local news in English	CS
7150	0705	Gt.BRITAIN	BBC	English news, poor	CS
7190	2145	YEMEN	PDR Aden	Arabic to s/off 2200	DH
7300	0349	ALBANIA	Tirana	interesting programs in English	DH

13

FREQ	TIME	COUNTRY	STATION	PROGRAM AND RECEPTION DETAILS	INITS
7390	2010	USSR	R.Moscow	(Lvov) World Service, English	AC
7485	2030	USSR	R.Moscow	World Service, English	AC
7670	0510	BULGARIA	Stolnik	Fair in Bulgarian, 15kw	DH
9510	0400	ROMANIA	Bucharest	in English mixed BBC	DH
9510	2015	MALTA	IBRA Radio	Gospel prog.in English. Fair,ex 9650 khz Monday - Friday to 2115	JM AC
9530	0725	USA	VOA Gr.	Fair with English news to s/off	CS
9530	2037	JORDAN	Amman	Good with Arabic program	DH
9545	0702	SOLOMON IS.	Honiara	Fair with English	CS
9550	1100	CUBA	R.Havana	opens in Spanish	AC
9575	1915	MONACO	TWR	s/on in Russian	MS
9590	1430	USSR	R.Moscow	English news in brief, Het.QRM, Fair	CS
9590	0655	CANADA	RCI	English to s/off 0700, fair	CS
9610	2030	EGYPT	Cairo	" La Voix du Afrique " ID at s/on. Bad het.	BC
9660	0830	AUSTRALIA	VLI9 Brisbane	ABC program	MB
9680	0900	AUSTRALIA	VLI9 Melbourne	ABC program	MB
9685	0825	BRAZIL	R.Gazeta	Fair with Port, announcements and music	JM
9695	1950	UNIDENTIFIED	(Possibly Abu Dhabi)	Arabic music and anncs. under RFE and jamming. Poor copy	DH
9705	0505	USA	WYFR	New Service, English Gospel for the Americas	JM
9710	0350	ITALY	RAI	Fair in English	FB
9715	0200	SOUTH AFRICA	RSA	New freq. to Nth.America	AC
9720	0835	PHILIPPINES	??	Very good with news and editorials	MO@
9745	0800	ECUADOR	HCJB	Good signal	CS
9810	0430	USSR	R.Moscow	In English, News and music	LE
11675	0015	CHINA	R.Peking	Very strong, Portuguese	DF
11735	0000	MADAGASCAR	RN	Dutch to South Asia, QRM R.Moscow. Poor	DF
11740	2102	ALGERIA	Algers	English news, fair signal	PR
11745	1800	PORTUGAL	Lisbon	English announcement then Italian trans. IBRA Radio as above but transmission Russian, varies daily?	JM
11750	0430	BULGARIA	Sofia	English to Nth.America, ex 11860 khz	DH
11760	1945	GREECE	VOA	English news, Fair with QRM from RTTY	CS
11775	0015	SPAIN	REE	Very good with music. In Spanish	DF
11785	2300	MONSERRAT	DW	Fair in Spanish	DH
11792	2214	COLOMBIA	R Nacional	Bogota, Classical music, Spanish	BF@
11800	1937	SRI LANKA	AWR	Good in English	JS
11800	2050	ITALY	RAI	Strong in Italian to Aust/NZ	JS
11805	0910	BRAZIL	R.Gl6bo	Mixed with VOA, Portuguese	DH
11810	0730	KOREA SOUTH	R.Korea	Poor signal in English	MM
11855	2445	USA	WYFR	English Religious program. ID 2350	CS
11835	0745	ECUADOR	HCJB	English to Europe	LE
11855	0730	CZECHOSLOVAKIA	R.Prague	English	MB
11855	1832	SAUDI ARABIA	BKSA	Trans in English. Fair. Blocked at 1844 with R.Aust. s/on	PR
11865	1931	GERMAN FED. REP.	DW	Strong in German	DH
11880	2100	AUSTRALIA	VLI11 Melbourne	ABC program	MB
11880	0530	SPAIN	REE	English; English to Americas	DF
11900	0200	SOUTH AFRICA	RSA	English to Nth.America under Moscow	AC
11938	0000	KAMPUCHEA	Voice of the People of Kampuchea	s/on in English Fair but heavy QRM from Jammer on 11935 khz	BC
11960	0705	MALI	Bamako	Band music, French Id 0720, Fair	JM
11990	0346	CZECHOSLOVAKIA	R.Prague	Good to North America, English	IW
12070	1220	MONGOLIA	Ulan Bator	English to 1250	AC
12450	2050	CHINA	R.Peking	Fair in English	DH
15070	0835	Gt.BRITAIN	BBC	Also 0945 and 2020. English transmission	JWCS
15100	0645	GERMAN DEM REP.	RBI	Very good in English	FB
15104	2100	GRENADA	Radio Free Grenada	100% copy, " You are listening to Radio Free Grenada Voice of Peoples Revolution." Program of Regional Cricket	TM
15110	2315	INDIA	AIR GOS	Local music and news English 2322. Very	TM
15125	0830	CHINA	R.Peking	News and discussions, English / good	DF

FREQ	TIME	COUNTRY	STATION	PROGRAM AND RECEPTION DETAILS	INITS
15130	2200	USA	WYFR	" Open Forum " in English	LB
15160	0100	AUSTRALIA	RA	World news . Excellent .	JW
15195	0015	BELGIUM	Brussels	English copied with narrow bandwidth .	PB
15270	2130	FINLAND	Helsinki	English at good level	DH
15300	1647	FRANCE	Paris	Very good signal " Paris Calling Africa " .	MS
15325	0415	UGANDA	Kamrula	Music till closing at this time	LE
				very good in English 0305	PB
15545	2000	KUWAIT	R.Kuwait	Music , QRM from VOA	LE
15405	2130	ECUADOR	HCJB	Fair due to QRM . DX program	PR
15430	0410	USA	USA BeY	Good with news in English	CS
15540	0104	ISRAEL	IBA	News , good in English	JW
15510	1400	USSR	Moscow	Peace & Progress , News English , good	RW
17605	0706	HOLLAND	RN	Very good in English till 0725 .	IW
17635	0834	CHINA	R.Peking	Very good reception in English	JW
17700	1412	USSR	R.Moscow	World Service , English news to Africa .	CS
17740	0855	GT.BRITAIN	BBC	Good but some QRM	JW
17780	0600	SOUTH AFRICA	RSA	" Good Morning Africa "	LB
17795	0900	JAPAN	R.Japan	News and comment , Excellent in English	JW
17825	1840	BULGARIA	Sofia	Good , English to Africa ,	JS
17845	0045	USA	WFYR	Early English Service for the Americas . Fair	JM
21465	0939	FINLAND	Helsinki	" Notebook " excellent in English .	JW
21470	0915	GT.BRITAIN	BBC	Fair with News commentary , English	CS
21485	2055	USA	VOA BY	Good with English news	CS
21500	0557	Austria	ORF	IS then ID in English , Program German , Good	CS
21500	0500	ISRAEL	IBA	s/on in English then news . Good	DF
21515	2345	PHILIPPINES	VOA	English , Station ID , Good	CS
21600	0500	ISRAEL	IBA	very good in English , // 21500 , Good	BC
21605	2245	SAUDI ARABIA	Riyadh	Koran chant and ID to s/off 2259 .	PO
21640	0230	JAPAN	NHK	Very good Spanish to s/off 0200	JS
21660	0952	GERMAN FED. REP.	DW	Economic Review , Very good English	JW
21690	1100	SWEDEN	R.Sweden	Poor in English heard at Convention .	JS
21695	0845	ECUADOR	HCJB	" DX Party Line " 0230 Poor , Usually good	PB
21695	0130	USA	VOA Delano	Very good in Benzali .	JW
21710	0610	GT.BRITAIN	BBC	Good in English	CS
21710	2220	ISRAEL	IBA	New frequency in English , good signal	BC
21730	2000	MOROCCO	RTVM	Very good Arabic , ex 21735 , // 9540 also good	BC
21750	1000	USSR	R.Moscow	World Service , // 21680 , 21614 and 21565 khz	BC
25730	1810	NORWAY	Oslo	Reactivated here with English 1800 - 1830 on Sundays for Africa , Fair .	BC
27790	0536	ISRAEL	IBA	Sat/Sun Russian , fair . // 25640 khz .	BC

Two items from Ray Crawford Invercargill and perhaps the second might be the unidentified on 5035 khz ?

5005	0510	ECUATORIAL GUINEA		Radio Equatorial . Program of music with very few announcements . Very good signal . Held to after 0600	RC
5035	0450	PERU	R.ILAGEN	TARAPOTO , New station fair to s/off 0505 .	RC

Our thanks to the following contributors this month :-

PA	Paul Aronson	RC	Ray Crawford	BC	Bryan Clark	JM	John Mainland
AB	A.Barns	MS	Mike Smith	CS	Cecil Symes	JW	Jim Webb
PR	Paul Rawdon	JS	Jack Searle	PO	Paul Ormondoy	DF	Duncan Fraser
LE	Les Boyd	MM	Mark Murrell	DH	David Hughes	IW	Ian Wells
RW	Robert Webber	PB	Paul Bellett	TM	Tony Marr	AC	Arthur Cushen
MB	M.Burke	DM	David Mann	BP	Bob Padula	Vic.	Aust .
MC	Masami Onizawa		Yokyo Japan				

Colon Campbell ; sorry notes too late .Have held over for June .

Radio New Zealand Shortwave Service has introduced a new programme, New Zealand Calling, first broadcast on May 5, 0530-0600GMT on 15345kHz and 17860kHz. This programme includes the DX World and Mail Box and is broadcast fortnightly on Mondays. It means that the DX World on the YA stations at 1015GMT on the first Sunday of each month has been cancelled. Plans are under way for a repeat of this special 30 minute programme for listeners in New Zealand, Australia and Japan at a more suitable listening time. This is part of the DX World script as broadcast on May 3 and May 19. All times are GMT, 12 hours behind NZST. All frequencies in kHz.

BELGIUM: Brussels has been heard in English on the new frequency of 15385kHz 0015-0100GMT. The same programme also carried on 15175.

CANADA: Radio Canada is using 9655 in place of 9605 for its transmission to North America. The schedule is 0200-0300, 5960, 9535, 9655 and 0300-0430, same frequencies plus 11845. English for the first 30 minutes including DX Digest on Mondays.

DUBAI: Tests continue to be received from Dubai now using 21485kHz from 0600-1000GMT with some English identification. Programme is a relay of the Arabic Home Service. The station has verified by letter and card stating the power of 300kW on this test frequency. The address is Mr Harold Robin, Chief Engineer, Dubai Radio & Colour Television, P.O. Box 1695, Dubai.

GUAM: KTWR 11840kHz continues to be well received with English at 0830GMT. A letter from the station states that they are planning a DX programme shortly.

GUYANA: Georgetown verifies reception with a letter concerning signals on 5950kHz power 10kW transmission is 0755-0250 daily though the shortwave station is shown as opening at 1100GMT but signals are still being heard at 0755. Broadcasts are in English with some in Arabic and Hindi.

HONG KONG: Hong Kong was noted on 3943kHz with a test broadcast and announcements at 1100GMT to 1115 close-down. Signals were heard on March 31, reports David Foster in "Down Under" DX Survey.

IRELAND: Radio Condor International verifies reception on 6243kHz heard during March. The station commenced operating in February 1978 and uses 100 watts. During the recent DX Convention in New Zealand tested on 11463 at 0600GMT and was heard here in Southern New Zealand.

NEW ZEALAND: Radio New Zealand Shortwave service is now using the out-of-band frequency of 15485kHz. The new schedule is 1800-2105GMT on 11835kHz; 1800-2205 and 15485; 2115-0815 17860; 2215-0605 15345; and 0615-1030 6105 to the Pacific. To Australia, 0830-1215 11945; 1045-1215 6105kHz.

PORTUGAL: Lisbon advises that they have replaced 21740 with 21735kHz, 0925-1055 also on 21700kHz.

JAPAN: Radio Japan through the Sines transmitters is broadcasting to Europe 0700-0730 on 15435 and 2200-2230 15180 - English for the first 15 minutes of the transmission.

SOUTH AFRICA: Radio South Africa noted on 9715kHz opening at 0200GMT to 0250GMT broadcasting to North America. This frequency replaces 15265.

SPAIN: Madrid in Spanish to Australia and the Philippines 0730-1000GMT Monday to Saturday and 0700-1000 Sunday on 9600kHz replacing 9525 also 11730, while 15405 has been dropped.

VATICAN: In English 2210-2225 on 7235, 9615, 11830 but has also been using 15120kHz in place of 7235 on occasions.

YUGOSLAVIA: Belgrade now has a new interval signal and observes with an English broadcast retimed 2215-2230 on 6100, 7240 and 9620kHz.

..sign off..

with JOHN MAINLAND

U.S.S.R., Estonian Radio's external service from Tallinn is currently observed as follows: 0800-0900 Finnish (Su.), 0900-0930 Swedish (Su.), 0915-1000 Finnish (not Su.), 1000-1100 Finnish/Estonian (not Su.), 1600-1630 Finnish (not Su.), 2105-2135 Swedish, 2135-2205 Estonian. All transmissions are on 6085. BBC MS CUBA/U.S.S.R., Since 2nd March the broadcasts of Radio Havana's external service from transmitters in the USSR have been radiated on the following frequencies: 1500-1600 AA 17765, 1600-1700 FF 17765, 1700-1800 EE 17765, 1800-2000 SS 17765 15385, 2000-2100 PP 17765 15385, 2100-2200 FF 11755 9590, 2200-2300 EE 9590. BBC MS

INDONESIA Here is the schedule of RRI Bengkulu: 0930-1600, 0500-0715 and 2300-0130 on 3265. The station uses a 10kw transmitter. Chiaki Shibata, Japan. SCDX PUBLICATION We have received the first issue of the "Monthly Reports of the Asian Broadcasting Institute". Seven pages in length, this issue is a comprehensive listing of schedules of various stations in China and Taiwan. A 12 month subscription costs 4000 Yen for overseas airmail. From: Asia Broadcasting Institute, C.P.O. Box 1334, Tokyo 100-91, Japan. SCDX 25/3

MEXICO Radio Mexico International, XERMX, besides broadcasts in Spanish, now carries the following in foreign languages: In EE at 2100, 0030 and on Sun., at 0400. In FF at 2200 and 0315. In GG at 2300. In JJ at 0000. Sked is: 2000-2200 15430; 2200-0330 (Sun. 0500) 5985, 9705, 11770, 17765, 15430.

Christian Ghibaudo, France. SCDX RHODESIA Since 28th March programmes from Salisbury have been preceded by the annct "This is the Zimbabwe Broadcasting Corporation"-thus dropping the word Rhodesia. The station name is also abbreviated to "ZBC". BBC MS SOUTH AFRICA A report from Radio RSA on 18th March stated that it had received more than 70,000 letters from all parts of the world during 1979. More than half were from African countries. BBC MS

RADIO AFGHANISTAN'S domestic service in Pashto and Dari has been heard since 5th April from fade-in at 1830 approx., until sign-off at 1930 on 4740 // 6230, 7235, 6190. BBC MS

16 RADIO NEW ZEALAND shortwave sked effective 1800GMT 3 May 1980-6 Sept 1980: Pacific Sce: 1800-2105 11835, 1800-2150 15485, 2115-0815 17860, 2200-0630 15345, 0640-1030 6105. Australian Sce: 0830-1215 11945, 1045-1215 6105. The above schedule has been introduced a month earlier than planned (the current one was to run to 30 May) and includes a new frequency of 15485. Reports wanted from outside New Zealand on this frequency. Also, Mailbox has finished with the 20 April programme. Commencing on Monday 5 May, and every first & third Monday in the month will be "N.Z. Calling", aired from 0530-0600 on short-wave only and aimed substantially at the North American evening audience. The programme will include listener correspondence, music, capsule news coverage, and eventually some DX content. The programme will be fronted by Tony King and producer Rudi Hill.

ICELAND has registered for the summer a new European service which may or may not come true with 10kw on 15420 and or 11855 at 1800-2000. L. Magne (USA) via RN DX 17/4

HONG KONG Radio TV Hong Kong has been heard with a programme in EE 1055-1115 on 3943 (announced as 3940). S. Aoki, Japan. SCDX

U.S.A., The Voice of America has announced the extension of its Farsi sce, from 3 to 4 hours a day. Farsi programmes are to be carried 0230-0430 and 1800-2000. Bo-Goran Karlsson, Sweden. SCDX 15410 0230. WEST GERMANY Deutsche Welle will use 15225 instead of 9650 for the 0930-1030 English broadcast to Australia/NZ effective 4th May. via DW

AUSTRIA As of 4th May ORF Vienna is to use 21740 at 0400 to Australia/NZ and South East Asia, GG 0400, EE 0430 in place of 17745. via Tom Chisnall

JAPAN Relays of Radio Japan's General Sce via Sines, Portugal will be heard on two new fqs from May 4th, 0700-0730 15435 replaces 15245 and 2200-2230 15180 replaces 15230. NHK annct 27/4

USSR The Radio Moscow World Service in EE is now on the air 24 hours per day. Observations on the night of 23rd/24th April revealed the use of the following fqs: 2300-2400 15460, 15360, 11755, 0000-0100 15360, 15255, 11845, 11755, 9600; 0100-0200 15460, 15360, 12000, 11845, 11755, 9600; 0200-0300 15460, 15360, 12055, 12000, 11845, 11755, 9600; 0300-0400 15330, 12000, 11845, 11755. BBC MS

IRAQ According to a recent survey certain Radio Baghdad external service txs are broadcast as follows: 1300-1400 Urdu 7180; 1600-1800 Persian 9572, 7180, 3242; 1900-2100 Turkish 7180, 3242. BBC MS