



NEW ZEALAND DX TIMES

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Convention 76

Planning is underway for a National NZRDXL Convention in Wellington, over the New Zealand Day Holiday Weekend, Friday 6 February - Sunday 8 February 1976. Already DXers in Australia and throughout NZ have expressed interest in attending, and the planned programme includes visits to the Quartz Hill Monitoring Station of the BCNZ and Television One's major studio complex at Avalon. Further details will be advised as planning proceeds; meanwhile we suggest you begin making your plans to attend!

In this Issue

Highlights this month: A mini-survey of the 31 metre band, Six-monthly final of the League Ladder Competitions, DX Special from 8AL Alice Springs, a competition to design a League Car Sticker (page 2), an absorbing article on verifying 200 countries, plus all the usual DX news!

Continents' Listing

The 'Verifications by Continents' column used to appear in the DX Times twice a year, and we seek the support of members to reintroduce this feature. Participants are required to break their QSL totals down into continental totals, under the headings Australia/NZ, Oceania, South America, Nth America (including Central America), Europe, Africa, Asia, Grand Total and Countries Verified Total. Entrants also submit their best verification received from a nominated continent. For example:

	<u>A/NZ</u>	<u>Ocia</u>	<u>S.Am</u>	<u>Nth.Am</u>	<u>Euro</u>	<u>Afr</u>	<u>Asia</u>	<u>Total</u>	<u>CV</u>
Ray Crawford	51	45	40	68	302	47	135	695	770

Why not spend a wet winter evening calculating your continent totals, in preparation for a revival of this column in our September issue.

'How to Listen'

The publishers of "How to Listen to the World" have announced the cancellation of the 9th edition, due for release next month, as a result of the economic climate and unpredictability of sales. Arthur Cushen still has copies of the 8th edition available at \$3.70, plus a few spare copies of the 1975 World Radio TV Handbook at \$5.50. Send payment or request a free brochure from Arthur at 212 Earn Street, Invercargill.

CLOSING DATE FOR NEXT ISSUE: WEDNESDAY 2 JULY. PLEASE SEND
DETAILS OF YOUR DX AND QSL's TO BOX 2956, WELLINGTON, N.Z.

FROM THE BRANCHES

SOUTHLAND The May meeting was held at Ray Crawfords with 12 present. Discussion covered reports on a 'Come Alive' window display in a leading Invercargill department store; progress on aerial erection at the Tiwai DX site; and the forthcoming progressive dinner with 26 taking part. Competition Results: BCB Steven Greenyer ZK2ZN 620 25CW, merit to Sutton Burtenshaw HJJ Bogota 650 10kw. SW Under 9: Steven Greenyer Radio Iris, Ecuador 3380 2kw. Over 9: Wyo Machon RSA 17780.

OTAGO At the beginning of the month a successful DX display was held at the Library which resulted in publicity in the 'Evening Star', with an article on DXing and a photograph of the display. Some enquiries were received and already 2 new League members have been gained. The May meeting was held at Ryehill Street with 6 present. A get-together with the North Otago Branch is planned for June. Competitions: SW Iran 9022 Graeme Shillito; BCB both sections won by Ash Nallawalla.

WELLINGTON 12 members attended the 25 May meeting at Bruce Williams, including Muriel Bloxham from Oamaru. The afternoon's highlight was an informative talk by John Mainland on winter SW reception patterns, suitably illustrated by tape recordings. The next branch get-together will be at the Radio Windy studios around the weekend of 28-29 June*. Finalised details will appear in the branch bulletin 'Capital DX'. Enquiries - contact Nigel Robins WOA 8787. Competitions: SW to Jack Farrow Moscow 15105 and Nigel Robins VOA Munich 3980. BCB Paul Rawdon CHUB 1570 and Brian Oliver 5SE 1300. * 29 July - 2pm.

Attention...

AUCKLANDERS

Bill Huddleston wants to hear from all League members in the Auckland area who would support the re-formation of an Auckland Branch. Interested members should contact Bill as soon as possible at 10 Nile Road, Kelston West, telephone Glen Eden 7868. A meeting will then be called to iron out any problems. (Good luck Bill! C'mon Aucklanders..register your support!)

FROM HEADQUARTERS

DESIGN AN NZRDXL CAR STICKER. Announcing a competition, open to all League members, to design a car sticker for the club. Entries close at Box 1313, Invercargill on 31 August 1975. Maximum allowable dimensions are 5" x 3", preferably no more than 2 or 3 colours. An award will be made to the designer of the winning entry. Why not give it a go!

SPANISH REPORT FORM SELLOUT. The League's Spanish aerogramme form & glossary are now available at the reduced price of 55 cents for 50 forms, down from the usual price of 70 cents. Write to Stationery Secretary at Box 1313, Invercargill for your supply.

NEW REPORT FORM DESIGN. Release of the new design has been delayed by the pending introduction of a new type of aerogramme form by the Post Office. As a result, old style aerogramme paper is in short supply and the final design will be dictated by the larger dimensions of the new form.

LADDER CERTIFICATES are issued to a financial member when he attains 50 verifications on the Broadcast or Shortwave Ladder. The certificate is awarded with a '50' sticker already attached and as the member progresses up the rungs of the ladder, further stickers will be sent for affixing to the Certificate. Stickers are dispatched at the end of each 6-month competition period.

LADDER COMPETITION SECTION WINNERS, as announced at the end of each 6-month period, receive an award certificate. Unfortunately these have been out of print since June 1973, but new certificates are now on hand and all past winners can expect their awards within a few months, following completion of signwriting.

DX SPECIALS. Steven Greenyer has been appointed Courtesy Programmes Secretary to arrange and coordinate special DX calls for the League. The first Special is detailed in 'Broadcast DX' and the support of members is urged.

BROADCAST DX

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with Bryan Clark

DX SPECIAL The League has arranged for a special broadcast from 8AL Alice Springs 1530 khz 200 watts on Saturday 5 July at 1430 GMT (that is 2.30.a.m. on Sunday 6 July). All members are urged to make the effort to tune in, and even if unsuccessful in picking it up, let the station know you appreciate their cooperation. A projected change of frequency to 1380 makes it even more important that you make the effort.

Now into the mail -

GAVIN BENNETT Invercargill has logged KDAY 4AK 1240 KVOO 4BC WVUV KPNW 6MD KPAX KGU KORL KUAM KGMB and has veries from 5PI 3SH 3ZM 2AY BBC Cyprus 1322 and KOB.

DES DAVEY, Te Kuiti has a report off to WVUV and a card back from Fiji 710.

GRAEME HAMMOND, New Plymouth has one out to Pakistan 790 and one in from 3B0.

ERIC MCINTOSH, Invercargill has logged JOER JOUF Lille 1376 Lodz 1367 Tirana 1394 12.4 Sharjah 1575 and CMW. Verie 2JJ.

RAY CRAWFORD, Invercargill has reports off to 3ZZ 1220 4AK 1240 Colo Colo 1380 JOJK JOQG JOJG JOAP and DXSS. Windy in.

ARTHUR CUSHEN, Invercargill has QSL's in from 1YW Kuwait 539 Iran Kermanshah 985 Dubai 1480.

ANDREW WHITE, Christchurch has logged Israel 737 2JJ 2NX 3CV and 6TZ. QSL's from GKWX 6TZ 2JJ 2NX and 3CV

BRIAN OLIVER, Eastbourne has them back from 4BK 4YA and 5SE

BRIAN WITHERS, Christchurch has reports off to KRVN KSL JOHK Sharjah 1535 GBK Malaysia 885 Burma 955 Tropicana 540. QSL'd KRVN KSL Sharjah 1535 and JOHK.

DENE LYNNEBERG, Titahi Bay has veries in from 4CA 2BH JOAD WXLG 1220. Out to JOAD 4YQ.

ROBIN CHAMBERS, Opunake has reports out to 2ML 7SD CB138 Colo Colo OAX4H 2TM. Veries from Porto 1367 Malaysia 885 4YQ XEROK 9WK 2ML 2TM

STAN LARKING, Whakatane has a lone verie from Seville 683.

SUTTON BURTENSHAW, Invercargill has logged 3ZZ 1220.

BRUCE CAVANAGH, Invercargill has logged 2YB XERF WXLG.

STUART FORSYTH, Auckland has QSL'd 2ZG BY JJ 1ZH ZC 3AR GL KPNW Moscow 1250. Location of latter is generally accepted as Vladivostok. Power is 100kw in 1974 WRTVH; either more or very effective antenna used. Report on Noumea most welcome.

SINCLAIR BENNETT, Christchurch has logged 6TZ 6GF 3ZZ with QSL's in from 4QY and K TSA.

ROBERT SCOTT, Te Aroha has a report off to Fiji 710 and also notes reception of Kuwait 539 JOIR JOLK. Writing re. queries.

MIKE SMITH, Matamata has logged DYLA 1555 and Radio Rajawan 1165. Good one Mike.

DAVID RICQUISH, Christchurch has logged 1XB 4YQ 2HD 2LT 2MW 4NA 4QS 7SD DW Malta 1570 with QSL's in from 1XB 2HD 2LT (380 watts) 2MW 4QS. Welcome stranger.

MERV BRANKS, Invercargill has reported 2YW 4YQ 2JJ 3ZZ 3GI 4AK 6GF Batra 3 and a second to 5UV. Veries in from KMO 6KG 2LT 2RG KGA KSL (50th anniversary booklet) and AFNT 1550. Thanks for news Merv.

JOHN ALLCHIN, Auckland has reports off to 2GB 5DN 2UW 2SM. Welcome John. A loop is the answer!

BRYAN CLARK, Wellington has QSL's in from TISRHB Capital 1125 CMJN Camaguey 784 HJAD Vigia 1330 with a report to HJNW La Voz de Heroica 1170.

PAUL RAWDON, Lower Hutt has reports out to 2ZB 2AY 5GL 3SR XERF 2NA. QSL's in from 2VM Fiji 1470 2MG 5LN KOB and 2CR.

BEN BOWLES, Hastings in his first contribution advises QSL's from 31 NZers and Aussies 2CH 2UW 2JJ 2NX 2KO 4BU 4AK 7BU. 29 reports out to NZers and 2NZ UE NC 3DB SH NE 4GY MK KTOM KGMB WVUV Fiji 5 freqs TWR 800. A good start Ben!

NEVILLE HENRY, Invercargill has logged 4
 HJAD 1330 Tropicana 540 GBK 540 with
 veries in from Dubai 1480 Munich 1602
 Nice 1554. Good variety Neville. Envy
 Tiwai setup.

KEITH ROBINSON, Kapuka has reported
 Malaysia 660 and verified 2YM 4XT
 4XU KVAC 1490.

JACK FARROW, Lower Hutt has QSL's in
 from 1XA 1XX 2NR 2BL 2NC 2CY 4XO Fiji
 710 Tonga.

PHILIP BROOKS, Wanganui has reports
 out to 3LK 3NE 4YW 2AY with QSL's
 in from 3LK JOQR KV00.

ASH NALLAWALLA Dunedin has QSL's
 from 3NE 2VM 7NT with reports out
 to 2GB KFBK Fiji 1470 KDAY 3AK

GORDON HUTCHISON, Kaiapoi has QSL's
 from 2YA 2YZ ZA 4YW ZA 3YZ Windy.
 Reports off to 1YA 4YZ Radio I.
 Gordon reports errors on QSL rec'd
 including 2YZ frequency as 635 khz,
 and incorrect times of reception.

PAUL ORMANDY, Oamaru reports a good
 month with reports off to 2KP NR CY
 BA NU CO GL YB NA 3LO ZA 4QN QW XO
 6WA XET XECO Poland 1502 HGMB5 1235
 KOMA 1YW. Veries in from KXL VOFA 1580
 WBAP 2CY XW 4BC 3SR.

BROADCAST TRAIL

Evening

585 Unid SS fair 0510 RCh
 590 KGMB live sports 0653 good BC
 605 Campesina fair SS 0515 RCh
 615 Unid SS fair 0515 RCh
 675 TIJC Sonora fair good 0510 RCh
 683 Sevilla Spain weak 0505 1/5
 725 SS quite good 0448 on 9/5. Ann:
 'Este Rinco Radio... Nacional...
 es radio Libateres con de la manana..
 estudios nacional....." Who RCh
 740 Tahiti 0530 past 0600 good
 750 HJDK 0559 24/5 'Pragrama Caracol
 una voz en el Camino' BC
 764 Unid SS fair 0515 RCh
 770 KOB Freedom talk VG 0546 BC
 850 HJKC strong 0500 RCh
 855 OAX4H good 0445-0510 RCh
 953 Unid weak signal 0505 1/5 RCh
 990 XET exc SS 0530 PO
 1005 Colosal good 0500 RCh
 1010 OAX4U America way over NZ 0550 BC
 1020 KGBS 'LA Police Dept report 0555 RCh
 1025 Unid SS fair good 0510 RCh
 1040 Two SS over 4ZB 4/5 RCh
 1120 WVUV exc 0700 DD

1170 HJNW La Voz de Heroica 0545-0650
 1235 HGMB5 announcg 10kw SS poor 0607
 1265 Paradise all nite 12/5 0545 BC
 1380 XECO Eco ID 0600 good PO
 CB138 Colo Colo good peaking
 0525-0545 RCh
 1385 WXLE with horror show 0639 BC
 1490 Unid SS 0507-0536 31/5 BC
 1510 WLAC very good 0547-0651 BC
 1520 KOMA with ID 0515 PO
 1530 Radio Onda from 0400 'up Egmont.
 1540 KISA presumed the JJ here 0530
 1570 XERF/VL2NI good 0420 'up Egm.'

MORNING

610 KUAM good 1830 RCh
 620 Batra 2, Egypt good 1800
 818 Batra 1, briefly 1720
 885 Malaysia EE 1230 Nx 1300 BW
 955 Burma EE Nx 1445 BW
 1025 Kremlin bells fair 1830 RCh
 1070 KNX nx strong 1230 BW
 1106 Batra 2 clock chimes 2030 MB
 1115 Unid Radio Beira presumably
 Italy as //1448 at 1903 RCh
 1165 Rajawan Indonesia 1500 ? with
 drum music 26/5. Very poor MS
 1220 JOJK s/off 1500 mixed RGr
 1230 DXNS s/off 1500 good RGr
 1259 VOA Rhodes exc clear 1840
 1390 Iran dominant 1935 RCh
 1412 BBC Masirah s.off 2030 MB
 1475 Austria mixed Russian 1900 RCh
 1502 Poland weak Polish 1730 PO
 1511 Berlin good 1859-1910 RCh
 1550 DYLA EE 1540 ? On 1555 MS
 1580 KDAY strong 1300 BW

Contributors:

Brian Withers, Paul Ormandy, Ray
 Crawford, Merv Branks, Robin Chambers
 Mike Smith Des Davey Bryan Clark.

BEST OF THE MONTH

SENIOR

HJAD Radio Vigia, Cartagena, Colombia
 1330 khz 1 kw 156 points
 Bryan Clark

JUNIOR

KTSA San Antonio Texas 550khz 5kw
 121 points
 Sinclair Bennett

RADIO VIGIA 

radio

CJVB-1470 Vancouver814 RICHARDS STREET,
VANCOUVER 3, B.C. TELEPHONE 688-9931

THEO DONNELLY
Fo. night people ...
Cosmopolitan Music.

Recently in New Zealand visiting family and friends, long-time League member and current night-time host on CJVB Vancouver, Theo Donnelly, gave us an insight into this multilingual Canadian radio station.

CJVB 1470 khz, 10kw, 24 hours a day, has been on the air for almost three years, complementing its basic English programming with 26 foreign languages. It was the third multi-lingual station in Canada, after CFMB Hamilton, and CHIN Torontol (See CAN AM report for a fourth). The Canadian Radio-Television Commission (CRTC) requires that 40% of their programming be

directed to foreign language groups. In CJVB's case they received their licence by proving to the CRTC that there were more than 150,000 multilingual residents in the area, including 84,000 of German extraction, 54,000 Dutch, 50,000 Scandinavian and 30,000 Chinese. Other ethnic groups catered for include Greek, Arabic, Hungarian, Polish, Portuguese, Urdu and Ukrainian communities. Until recently there was a weekly 'Kiwi Corner' directed to our expatriates in Vancouver. Theo's programme is 'Continental Cabaret' a musical mixture, broken with hourly newscasts in the period 1220 to 5.30.a.m. PST Monday through Friday nights and from 2.a.m. Sunday morning.

Late last year CJVB applied for a 10kw relay on 850 khz in the Columbia Valley some 65 miles east of Vancouver to serve the large ethnic populations in Chilliwack and Abbotsford, but the initial application was unsuccessful. Theo handles CJVB's DX correspondence and has received good reception reports from Northern Europe and N.Z. - mainly from Southland DXers, with only one report to date from the North Island where Radio Fiji and XESM tend to dominate 1470.

JUNE DX FORECAST

0430-0700	U.S. Mexico
0830-0930	Pacific Peak
0900-1130	U.S. Central/East/ Mexico
1030-1130	Asians. Philippines. (Watch split freqs)
0430-0600	Central America
1000-1130	Central America

JULY

0530-0700	U.S. Mexico
0430-0600	South America
From 1030	Asians
0800-0930	Pacific Is
1000-1130	U.S. East Coast
1100 onwards	U.S. Central

GOOD DX IN FIJI ?

I recently spent two weeks in Fiji on holiday, and took with me a 40" loop and an old Sanyo 10 transistor. Although I did no serious DXing I found reception to be quite different from home. Thunderstorms affected reception markedly, but more noticeable was the absence of TVI, and the fact that there are only 10 local stations on MW. Australians and Yanks came in well and most New Zealanders were at good strength from 7.p.m. onwards. Radio New Zealand 15.110 was received well. Good interference free reception was often experienced and the serious DXer could have a good time. There are no communications receivers available duty free in Fiji but hi fi goodies abound.

-- Brian Oliver,
Eastbourne

PACIFIC ASIAN REPORT

IRAN Bandar-e-Abbas 620 is due to increase power from 10kw to 100kw during 1975.

BBC MS (c)

PHILIPPINES DWRP (also reported as DZRP),

the new 250kw station of FEBC on 1470kHz was due on air late April. IRCA

PAPUA NEW GUINEA An Hawaiian DXer reporting to ASWIC, has logged & verified a station of the National Broadcasting Commission on 1410. No station on this frequency is announced by the NBC, yet the QSL letter verified the time and date of logging and also specified the frequency of 1410. Can anyone throw some light on this station?

WESTERN SAMOA It is hoped to have a 3kw transmitter operational on 1050 in the near future. A. Roycroft via Tune In

AUSTRALIA Keith Barton reports 2 stations due on air early June - 3EA (for Ethnic Australia) Melbourne 1120 and 2EA Sydney 800. Transmission hours will be 2 hours at lunch time, 2 hours in the afternoon and 2 hours in evening, with programming in Italian, Greek, Turkish, Maltese, Arabic, Spanish and Yugoslav. Keith also heard a Government minister mention that call signs may be scrapped in favour of a channel numbering system - possibly the frequency plus a regional prefix.

5UV 530 South Australia's University station closes at irregular times, eg 1407 one night, 1438 the next. Merv Branks

4AK Toowoomba all-night operation changed frequency from 1220 to 1240 on 19 May to avoid interference from the new 3ZZ. Merv Branks

According to press reports, 3ZZ 1220, Melbourne's Access Radio is run by a wide ranging Planning Committee made up of representatives of ethnic groups. Programming pattern is Monday nights - Italian; Tuesday - Spanish, Maltese, Arabic, Yugoslav, Turkish; Wednesday - Greek; Thursday - Northern European; Friday - Social Welfare topics in EE; Saturday - Experimental Radio in EE; Sunday - Community Affairs incl. Conservation in EE. Bruce Williams

(Seems to clash with plans of 3EA, reported above. KB reports that the two EA stations may be licensed by a Government Dept eg Immigration, which seems likely to cause political storm, therefore by no means definite operation)

Mystery solved? Merv Branks unidentified, distorted, weak catch on 570kHz with Sydney commercial content, would appear to be a spurious image of 2KY on 1020. 'Sherlock' Branks finally sorted out his problem by writing to one of the advertisers heard - they have replied that the commercial heard was placed with 2KY, and that the Parramata and Campbelltown community stations are not yet operating.

When Commercial Radio Station 4TO began broadcasting from a South Townsville studio on 5 October 1931 it was the commencement of true partnership with the city's progress. Since that first broadcast, 4TO has become a part of everyday life, completely integrated in community involvement. In November 1970, Townsville became the first provincial city to enjoy 24 hour radio, when 4TO closed down for the last time, to commence non-stop broadcasting.

Perhaps 4TO's finest hour came on Christmas Eve, 1971 when Cyclone Althea struck the city. At the height of the cyclone, 4TO's announcers and technicians, who had manned the emergency studio at the transmitter site, kept the station on the air and were able to broadcast warnings and accurate reports on conditions outside. During the days that followed, 4TO became the headquarters of message handling and relief operations for the area. An appeal launched by 4TO to assist cyclone victims raised more than \$150,000.

Fortunately, times of disaster are few and far between, but the citizens of Townsville and indeed North Queensland have learned that 4TO is not just a 'god times' friend, but an ally when the chips are down. Catering for a relatively small market - a total audience potential of 130,000, 4TO is, of necessity, a station of 'all seasons'. (4TO = 780kHz) via Robert Crawford

COCOS ISLANDS There is an Australian Government suggestion that a broadcasting station be erected on West Island to supply 'propaganda' to the Cocos Islands, according to a Parliamentary statement in the House of Representatives. Merv Branks

LEAGUE LADDERS

Broadcast

Shortwave

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Division	Dec	Jan	Inc	Cnt
GOLD STAR (Over 1250)				
Arthur Cushen	2164	2179	15	141
Merv Branks	2039	2058	19	-
Keith Robinson	2026	2038	12	108

SILVER ACE (751-1000)	Dec	Jan	Inc	Cnt
Ray Crawford	955	986	31	114
Eric McIntosh	863	882	19	-
Robin Chambers	766	791	25	103
Sutton Burtenshaw	761	790	29	84

ACE (501-750)	Dec	Jan	Inc	Cnt
Stan Larking	671	680	9	81
Dene Lynneberg	635	657	22	81
Graeme Shillito	603	606	3	60

SENIOR (301-500)	Dec	Jan	Inc	Cnt
David Ricquish	-	464	-	45
Ray Babbage	372	375	3	-
Bryan Clark	313	338	25	68
Chris Martin	331	337	6	102

INTERMEDIATE (151-300)	Dec	Jan	Inc	Cnt
Lance Johnston	272	276	4	30
Dallas McKenzie	199	202	3	34
Lindsay Robinson	182	194	12	23
Sinclair Bennett	180	186	6	10
Alan Robson	145	172	27	23
Des Davey	153	159	6	-

JUNIOR (51-150)	Dec	Jan	Inc	Cnt
Jack Searle	136	140	4	15
Paul Frost	119	126	7	28
Gay Johnston	110	114	4	10
Paul Ormandy	45	111	66	13
Michael Smith	108	110	2	7
Peter Jackson	97	108	11	15
Jonathan Aitchison	89	99	10	12
Bruce Cavanagh	(93)	94	1	16
Andrew White	48	84	36	11
Pamela Sutton	-	82	-	7
Graeme Hammond	72	82	10	10
Paul Rawdon	52	81	29	10
Gavin Bennett	47	62	15	13
Stuart Forsyth	(49)	57	6	-
Brian Oliver	(2)	52	50	3
Elizabeth Hellyar	51	52	1	2

NOVICE (1-50)	Dec	Jan	Inc	Cnt
Philip Brooks	-	42	-	5
Ben Bowles	-	39	-	4
Jack Farrow	-	33	-	4
Nigel Greene	-	27	-	2
Mark Nicholls	-	27	-	2

LADDER SECTION WINNERS
Broadcast: Merv Branks, Ray Crawford, Dene Lynneberg, Bryan Clark, Lindsay Robinson, Paul Rawdon, Paul Ormandy.
Shortwave: Arthur Cushen, Stan Larking, John Durham, Jack Searle, Alan Robson, Peter Greener, Austin Hadler and Paul Ormandy. **Congrats to all!**

Division	Dec	Jan	Inc	Cnt
GOLD STAR (Over 1250)				
Arthur Cushen	4129	4179	50	227
Barry Williams	1929	1953	24	201
Dene Lynneberg	1874	1909	35	179

GOLD ACE (1001-1250)	Dec	Jan	Inc	Cnt
Tony Marr	1241	1245	4	194
Stan Larking	1182	1233	51	121
John Mainland	1150	1199	49	168
Ray Babbage	1166	1181	15	-
Ray Crawford	1122	1169	47	134
John Watson	1080	1099	19	-
Bryan Clark	1001	1037	36	151

SILVER ACE (751-1000)	Dec	Jan	Inc	Cnt
Hans de Jong	947	967	20	88
John Durham	860	926	66	110
Bill Huddleston	794	836	42	115

ACE (501-750)	Dec	Jan	Inc	Cnt
Lindsay Robinson	656	681	25	105
Jack Searle	548	602	54	86
Eric McIntosh	581	596	15	-

SENIOR (301-500)	Dec	Jan	Inc	Cnt
Des Davey	-	437	-	-
Dallas McKenzie	418	429	11	105
Lance Johnston	375	389	14	72
Alan Robson	304	335	31	65

INTERMEDIATE (151-300)	Dec	Jan	Inc	Cnt
Steven Greenyer	255	286	31	112
Peter Greener	170	261	91	54
Austin Hadler	144	233	89	54
Colin Campbell	224	228	4	58
Nigel Greene	186	227	41	55
Jonathan Aitchison	205	221	16	61
Paul Frost	206	212	6	64
Paul Rawdon	140	205	65	53
Bruce Cavanagh	(155)	172	17	64
Michael Smith	164	194	30	51
Jack Farrow	102	161	59	39
John Martin	(100)	160	60	45
Charles Douglas	-	156	-	56
Cecil Symmes	74	154	80	54
Brian Molloy	87	153	66	41

JUNIOR (51-150)	Dec	Jan	Inc	Cnt
Ian Wells	90	104	14	46
Paul Edwards	(73)	102	29	49
Graeme Hammond	88	100	12	27
Gay Johnston	86	94	8	36
Paul Ormandy	38	81	43	41
Garry Butler	-	67	-	32
Alex Wellner	(42)	60	18	40
Andrew White	56	58	2	26

NOVICE (1-50)	Dec	Jan	Inc	Cnt
Robin Chambers	-	44	-	33
Mark Nicholls	-	42	-	12
Pamela Sutton	-	24	-	18

THANKS TO ALL OUR REGULAR CONTRIBUTORS!

Verifying 200 Countries

by BARRY WILLIAMS

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My 200th country was interesting mainly because it has one of the more exotic names for a shortwave country - Territorie Francais des Afars et des Issas. The station was Djibouti on 4780kHz, in the country once known as French Somalia. This immediately raises a point - does a change of name constitute a new country? Once I would have said no, but I have in recent years, with certain reservations, changed my mind. A DXer reaches a point when new countries become very difficult to hear, and these changes of name gives a little more scope for the more advanced DXer. It helps to keep his interest in the hobby alive, and this is the major reason for my change of heart. Some DX clubs overseas do not accept a change of name as a new country.

Another point on which I have not been converted to, is the splitting up of a country like Indonesia into several DX countries. There is some merit for the reason noted above, but where does one draw the line? No one in the DX world has been able to define a 'radio country' to the satisfaction of all concerned. No matter what country list has been or will be produced, there will always be some DXer of note who will query it. I've helped in drafting countries lists, and believe me, it is difficult enough to get the committee to agree, let alone worry about individual members' opinions. So I've now decided to work to each club's countries list and accept their differences. Perhaps one day the DXers of the world will have a universal listing.

The verification of 100 countries is relatively easy today for the dedicated DXer. I would go so far as to say that, if one applied oneself, 100 countries could be verified in a year. Perhaps some of our newer members would like to make this their target for the next 12 months.

The next 50 is more difficult and will take time. I'll say no more about this period except that what I have to say in the next paragraph applies here also.

Verifying from 150 to 200 countries is where time, patience, experience and more time are needed. I would go as far as to say that the last 50 countries will take longer, possibly several years longer, than the first 150 took to QSL. Don't get discouraged because the satisfaction of verifying those last few countries is far greater than the earlier catches, and you have now risen to the ranks of a 'master DXer'.

My advice to those DXers who wish to increase their country totals is firstly to draw up a wanted list. You should now memorise the countries on this list and any little bit of DX information regarding these countries should be noted for easy reference. When the DX Times arrives, underline all the stations that are on your wanted list. Now listen for, and log these stations, but do not cross the wanted country off your list until you have it verified. If the opportunity arises to make another logging of that country - take it - your first report may not be verified. This is particularly so for Latin America.

As your wanted list gets smaller, your approach becomes more specialised. As well as a wanted list, I would suggest a notebook in which all relevant details of active stations in the wanted countries are recorded - particularly current frequencies and transmission times. Don't be discouraged when you see other DXers logging the station you are chasing. You may have listened for hours and never heard them - well, listen again, and again and again until you do. Try different antennas, different times, different locations - try anything!

When new countries come on the air do not delay in logging them. One can never tell how long they may be on the air, or a frequency shift may move them to a frequency where they are unloggable. Another factor is that new stations are interested in reports and are more likely to verify them than later on, perhaps/ Also a new transmitter is normally properly tuned up and has new power amplifier valves giving a good signal. So often I have heard signals deteriorating as months go by. A cardinal rule - if you hear a station, no matter how poorly, log them - you may never hear the station again. A poor

report is better than none. A warning though; positively identify the station. Never presume. Two loggings which illustrate these points were my reports of Djibouti and AFAN Antarctica 6012kHz. Djibouti was logged on 30 March 1975 from 1819 till sign-off at fair strength. I had listened the three previous mornings but the station had been barely audible, and on the two following mornings they were completely inaudible. AFAN would be one of the most difficult loggings I have ever made and resulted from more than 2 months intensive listening. The actual report covered 3 separate day's loggings. 9

On checking your notebook you will find that some stations are only on for limited hours of transmission and in many cases these are in the early morning NZ time. I'm afraid that if you wish to build up that country total, you will have to forego many hours of sleep. You will have to suffer the alarm waking you up at 7am in the morning; you will spend hours huddled over a heater on frosty winter mornings and there is no way around it! The only suggestion I can offer is that companionship makes it a lot easier. Arrange for a fellow DXer to join you on the morning shift. Talking of transmission times, I always try to include a sign-on or sign-off when logging an important station. This I feel is a good time to get a station identification and is a report detail which I think most stations understand.

One trick I use with some degree of success on the higher frequencies is to look for countries adjacent geographically to the wanted one. If they were coming through, the chances were that my wanted country might be also. But this approach did not work on the lower frequencies. Africans on 60 metres can be very patchy and only careful listening and identification will get you the station.

We now assume that your countries list is further reduced in 'wants' and the going is getting tougher. Some countries you can hear but not verify - a most frustrating situation. Do not fret as we all suffer from the same problem. Uruguay and Cambodia have eluded me for many years, with numerous good loggings. Other problem countries include Paraguay, Yemen and Galapagos Is. All to no avail. I just try again and again. I know of no magic formula. However, presuming you have made a good report, there are several approaches you can try when reporting that difficult verifier: prepared cards, reports in Spanish, French etc, self-addressed and stamped envelopes, tape recording -s, NZ postage stamps, postcards and books on NZ etc. I have used all these gimmicks at some time, occasionally with success, normally with none.

IRC's are always included with my first report, but not necessarily with later ones. Recently I have been trying out self-addressed envelopes and prepared cards, with stamps attached, but alas with no luck.

Every so often you may see verie signers for your wanted stations, detailed in DX publications. Always note this detail for later reference. But beware, such information can date, and DXwise, date very quickly. So do not hold that name on file too long, because when you eventually log that station, that particular staff member may have moved on and your personally addressed letter may be ignored by the station. Unless this signatory information is current, I will normally address my reports to the Station Manager or Engineer.

A warning: do not get discouraged. Many times I have seen other DXers in NZ and overseas verifying countries that I have been reporting for years. Accept this; you probably have verified stations that they are still chasing. Verifying those last few countries to make your 200 becomes a matter of luck as much as anything. The thing to remember is to get the odds on your side as much as possible by making a good logging, writing a neat report and using any other gimmicks that you may feel worth while. To my knowledge, every active shortwave country has verified someone in the world.

What I have written in this article is aimed at chasing DX countries, but can be equally applied to the hobby in general, whatever your target. To the country chaser, I repeat the main requirements - application, perserverence, time and luck.

ON BEHALF OF ALL LEAGUE MEMBERS, WE CONGRATULATE BARRY
ON ATTAINING THIS GREAT MILESTONE IN THE DX HOBBY!



It's Paraguay month! QSLs are rare from this South American country with only 2 verification -s notified to the Times in the last 4 years, but this month we have 3 more!

ANGOLA. Radio Comercial de Angola 4795 attractive QSL card with full details in English. Received in just under 4 weeks for 3 IRC's.

(Weatherley)

AZAD KASHMIR Azad Kashmir Radio 3330. Registered QSL letter in EE read in 4 weeks, indicating broadcasts in Urdu, Kashmiri & local dialects from M. Sajjad Ali Siddiqui (for Station Director) Good catch John! (Mainland)

CHILE La Voz de Chile 9550. Postcard on UN Building in Santiago received in 10 weeks from Gustavo Heitmann S. (Mainland)

COLOMBIA Radio Super de Medellin 5952 QSL card & letter recd from Bogota address for SS report plus postcards & NZ stamps. In 7 months from Margarita Castro C. Departamento de Programacion. (Lynneberg)

ETHIOPIA. Radio Ethiopia 9610. Coloured postcard of Ibex goat, showing report as confirmed. Received in 9 weeks. (Mainland)

KENYA. Voice of Kenya Nairobi 4950. Aerogramme QSL recd in 37 months(!) for EE report with 2 IRCs. (Lynneberg)



SABAH Radio Malaysia 15275. Voice of Malaysia Relay prgm. New folding card QSL giving info about Malaysia. Shows current frequency as 15295kHz. Received in 16 weeks. (Mainland)

RADIO ETHIOPIA

P. O. Box 1020, ADDIS ABABA

Piece	Kc.	Kw.
Addis Ababa #1, #18, #19	100	ea.
Asmara	944	50
Herrar	854	100

TIMES: M-F, GMT 0330-0600, 1000-1300;
1430 - 2000; Sat. 0330 - 2000;
Sun. 0500 - 2000.

LANGUAGES: Amharic, English, Somali, Arabic, French, Afar

YOUR QSL CONFIRMED

MONGOLIA Radio Ulan Bator 6383. QSL card plus letter, postcard & stamps recd in 3 months by air for EE report. (Lynneberg)

PARAGUAY Emisoras Paraguay 6015. Postcard QSL and personal card from Carlos Marcial Sanchez Neira, Director Gerente, in 4 weeks for registered SS report with NZ stamps & postcard scene of Wellington. NB WRTVH is wrong, the callsign and address details are crossed with Radio Guaira. (Clark)

Radio Nacional del Paraguay 6025 1kw. Letter from Carlos Montaner, Jefe de Estudio in 23 days for SS report, postcard & NZ stamps. Letter says that power will 'be increased to 100kw as soon as the necessary technical adjustments have been realised.' (Lynneberg) Similar letter by registered airmail in 1 month from Julio Cesar Cardozo. (Clark)



Sabah's old QSL card

SWITZERLAND SEC 3960 test frequency September 1974 - QSL card in 7 months after follow-up. Needless to say, studio personnel were unaware that engineers were relaying Home Service for brief tests from Sarnen and Lenk with new 250kw transmitter. (Clark)

SWAZILAND TWR Manzini 3388. Card showing portion of aerial complex and warrior. Listed frequency, time & date of reception. Back in 4 weeks. (Mainland)

TUNISIA Sfax 11970. QSL card with complete details recd in 15 days from External Relations Dept in EE, for air report form in EE with 1 IRC. (Robins)

Contributors this month: Harry Weatherley, John Mainland, Bryan Clark, Nigel Robins and your Section Editor Dene Lynneberg.

WANTED! Details of your QSLs. The contributions listed above aren't the only good QSLs being received by League members. If you receive an interesting or new design verification, let us all know about it. In future, contributions to this section can accompany your usual notes to the Times. All welcome!

DENE LYNNEBERG

Shortwave Mailbag || with John Mainland

A comprehensive reply in English from Radio Rumbos in Venezuela is notified by Alan Robson, Nigel Greene, and Steven Greenyer. Alex Wellner in Sydney reports a reply received in ten days from Radio Capital, Costa Rica, in response to a Spanish report. Finally, Bryan Clark and Dene Lynneberg have verified Paraguayan stations on 6015 and 6025.

BILLHUIDLESTON, Auckland has 13 out and QSL's back from New Ireland 2428 AIR Delhi 15080 DUR2 9580 RA Shepp 11765 Lyn 5995 RCI 11785 Nacional Brazil 11780 Iraq 9750 Israel 5900 RSA 7270.

STAN LARKING, Whakatane has nil out but QSL's in from R. Inconfidencia 6000, Riyadh 11890 Kuwait 15345 Congohas 4795 HGJB 9760 Bucharest 177775 Havana 11930 KGEI 5980 Vatican 15120 Algeria 9705

RAY CRAWFORD, Invercargill has veries from Continental 6125 Ambon 3241 YVMO 4800 KGEI 5980 Peking 7590 WYFR 4815.

ALEX WELLNER, Sydney has QSL's from Port Moresby 3925 Noumea 11710 IBA 7395 9009 9815 Bucharest 11940 AFRTS 11805 Austria 17850 Honiara 5015 Budapest 9833 DDR 15255 Tashkent 9540 Norway 15175 Sweden 15105 Taiwan 15370 Spain 11945 Capital 4832.

NIGEL GREENE, Paremata has two from VLIK and Espana Independiente 10110

DAVID RICQUISH, Christchurch has 'em back from New Ireland 2428 Western Highlands 2450 Kerema 3245 Capital 4832

G. DURHAM, Meremere has 20 out and QSL's back from Tinang 11715 15345 France 5955 RCI/BBC 9685 Lisbon 9630 Okinawa 7165 Chile 15150 Iran 15084 Iraq 9745 RNE 7105 KGEI 5980 Israel 5900 12025 Ned Hilv 15105 FEBC 17810 ORF 11835 Poland 14815 ETLF 11830 RCI 5905 BBC 7150 VOA Tangiers 9510 Greenville 10230 RA Shepp 3 freqs RA Dar 21725 Vatican 6190 TIHB 6006

JOHN MAINLAND, Wellington has QSL's from Accra 6130 Belize 3300 and AIR 11775

PAUL EDWARDS, Wellington has 24 out this month and QSL's in from VOA Phil 15290 Budapest 6000 9833 HGJB 6130 RN Brazil 11780 UN 9530 Riyadh 6130 NBC 3925 Japan 9585 AIR 9525 IBA 5900 9815 Pyongyang 9415.

TONY MARR, Wellington has a modest one from Belize 3300. Country 194.

PAUL GRMANDY, Oamaru has QSL's back from Bucharest 11940 VO Malaysia 6175 Pakistan 17830 15235 SIBS 5015 Austria 6155 Poland 9675 France 17850 KGEI 9580 VOA Wooff 7325 AFRTS 6030 BBC 3970

JACK FAIRROW, Lower Hutt has them back from IBA 5900 RCI 5905 SBC 6165 9535 Moscow 7105 9500 Iran 9022 BBC 9640 9915 VOA 9650 RA 11930 11970 Japan 15310 17825.

BILL VOGEL, Adelaide has QSL's in from Japan 9605 RA Perth 17885 SABC SABC NBC 4890 Iran 15084 RN Bon 9770 11730 RCI 5970 Noumea 3355. 11 out.

IVOR HILL, Bluff has QSL's from NHK 9505 9735 11875 RN 11730 9770 9715 RA Shepp 9570 DW 9605 Peking 11600. Welcome Ivor.

DENE LYNNEBERG, Titahi Bay has a goodly bunch from Super 5951 Solomons 5020 Ulan Bator 6383 Sahara 11805 Nigeria Calabar 6145 VOA Beth 17710 Moscow/Kenga 9720 WYFR 15130 17845 RNZ 9755 Paraguay 6025 RSA 4835 RSA 4875 9695 Belize 3300 (Country 180) 13 out.

ARTHUR KINDELL, Levin has one back from Sahara 11805.

PETER GREENER, Auckland has them back from Belgium 9730 Tashkent 9540 Sahara 11805 WYFR 5985 SBC 11840 IBA 5900 9815 9625 Nigeria 7275 Luxembourg 6090 UN 11905 VLIK3 3925 AIR 11740 RA 15395 9580 11970 Austria 17850.

PETER MOTT, Christchurch has ten out and QSL's in from HGJB 6140 RN 11730 KGEI 5980

BRIAN MOLLOY, Auckland has QSL's in from VOA Kavala 7170 Dixon 17820 P&P 15175 21600 IBRA 9670 Bucharest 9570 17775 Cairo 9475 FEBC 21515 RBI 15250 Sofia 9700 VLT4

PAUL RAWDON, Lower Hutt has a good pile of veries from Japan 11705 Kuwait 9555 RCI 5970 HGJB 17730 VLI6 6090 AIR 11620 RA 9540 RNZ 9520 RAI 7235 Prague 11855 Portugal 9740 RSA 17780 BBC 6110 Vatican 11740

HARRY WEATHERLEY, Melbourne has QSL's 12
from BBC 3952.5, Capital 4832 KGEI
5980 Espana Independiente 10110 Nacion
-al Brasilia 11780 WYFR 11815 RBI 17740

STEVEN GREENYER, Invercargill has
QSL's in from VQ05 5020 East New Bri-
-ain 3385 P2K4 4890 Iris 3380 Rumbos
4970.

NIGEL ROBINS, Wainuiomata has QSL's
in from Bandeirantes 9645 VOA Munich
3980 SBC 6165 WYFR 11855 Israel 9495.

JACK SEARLE, Haumoana has QSL's in
from NHK 15310 RSA 4835 RCI 15275
9455 KGEI 5980 Bucharest 11790 15250
Vatican 11705 Denmark 15165 Pyongyang
9410 UN Greenville 9530 VOA Monrovia
11955 DW Julich 11810 NBC 2428.

ARTHUR CUSHEN, Invercargill has QSL's
from Singapore 6155 FEBA 11740 11855
P2K4 4890 WYFR 9690.

BRUCE CAVANAGH, Invercargill has
veries from RBI 17880 Moscow 15185
15140 NHK 11940 Nacional Brasilia
15245 P2K4 4890 RNZ 9520 Tehran
15084. Loggings in Bandwatch format
please Bruce.

JOHN MARTIN, Lower Hutt has QSL's in
from Tashkent 9540 Havana 11725 BBC
7150 HGJB 11740 Sofia 9700 Bucharest
15250 Kuwait 11825 Prague 9740 9505
UN 9530 RN Bon 9770 TWR Monaco 7100
VOV 10040.

IAN WELLS, Milton has veries in from
RFE 3995 Reloj 6006 Warsaw 7285.

AUSTIN HADLER, Christchurch has QSL's
in from Canada 6010 RSA 15175 17780
Pakistan 21590 Finland 15185 Norway
9550 Austria 11945 Romania 6150 Reloj
6006 PNG 4890 Nacional Brasilia 11780.
Good going Austin !

LINDSAY ROBINSON, Invercargill has
veries in from Ecos del Torbes 4980
Inconfidencia 6000 Sierra Leone 5980
(105th country) Rome 11810 Noumea
7170 Singapore 6155 Espana Indep 10120

ANNE WOODS, Nelson has a QSL from
Berne 9590.

BRYAN CLARK, Wellington has two out
and QSL's from ZPA10 6015 (country
151) ZPA1 6025 Norway 11870 Havana
17885.

CECIL SYMMES, Wellington has QSL's
back from HGJB 6140 RA 3 freqs VLI6
VLH9 Paris 5955 Spain 9570 Bucharest
9570 Peking 4600 Noumea 7170 USSR 17770
BBC Asc. 9580 Tokyo 5990 Kuala 4845

BRIAN WITHERS, Christchurch has QSL's
from RA Shepp (8DR relay), RA 9755 15400
8DR relay on 11810.

DES DAVEY, Te Kuiti has veries in from
NHK 15105 15195 SBC 6165 6045 RCI
5970 Tahiti 15170 RN Mon 15110 9715
11730 Kuwait 9555 Spain 9630 KGEI
5980.

MIKE SMITH, Matamata has one back
from NBC New Guinea 4890 - oops a 2nd
from KGEI 5980.

ALAN ROBSON, Christchurch has QSL's in
from Pakistan 21590 VOA Mon 11955
11915 Rumbos 4970 Continente 5030.

BEST OF THE MONTH

UNDER 9 MHZ

VOA Munich 3980 8kw
Nigel Robins

OVER 9 MHZ

Radio Sahara, 11805 khz 100kw
Nigel Greene

"Come on Wellington."

PROGRAMME 3 FOR DXERS (continued P.13)

In the ever changing world of SW list-
ening it helps to be up to date with
latest frequency & programme changes
and technical matters. This can be
achieved by listening to DX programmes
such as the following. Times and frequ-
encies are for best NZ reception.
RADIO AUSTRALIA "DXers Calling" 2130
Saturday GMT on 9530, 9580, 11840, 11930
& Sundays 0730 GMT on 9570, 11765kHz.
"Club Forum" Saturdays 0430 on 15290,
17820; 0700 on 9570, 11765; Sunday 0215
on 15320, 17795kHz.

AUSTRIAN RADIO "Austrian SW Panorama"
2000 Sundays on 6155, 7200, 11855kHz.

BELGIAN RADIO "DX Corner" 4th Monday
of month at 2255-2315 on 11855 and
0040-0100 on 9730kHz.

RADIO BUDAPEST "Calling DXers & Radio
Amateurs" every Wed. & Sat. 0400-0415
on 6000 & 9833kHz.

RADIO CANADA "SW Club" Saturdays at
0845 on 5970 & 9625kHz.

HGJB ECUADOR "DX Party Line" at 0930
on Mon. Thur. & Sat. (different prgms)
on 6130 and 9745kHz.

BBC LONDON "World Radio Club" Fridays
at 2700 GMT on 5975, 7120 & 9410kHz.

RADIO NEDERLAND "DX Jukebox" on Thur.
at 0645 on 11730; at 0815 on 9715.

Radio broadcasting in Indonesia began in 1925 with the establishment of the "Batavian Radio Vereniging" by a Dutch private enterprise group in Jakarta, then known as Batavia. In 1934, the Dutch government sponsored "Nederlands Indische Radio Omroep" (NIROM) was formed. Around this time, Indonesian listeners, dissatisfied with the Dutch sponsored radio system, began to organise their own radio stations. This phase of cultural programmes especially for the benefit of local inhabitants, was initiated by the Solo Radio Club and was followed by similar organisations in Batavia and other main centres. As the availability of cheaper radio sets grew, NIROM extended it's network and also gradually catered for the native Indonesian listening audience also.

As the years went by, one could note a change in the small Indonesian radio clubs. From their earlier cultural nature was to emerge a more nationalistic attitude in programming. The clubs formed a "Federation of Eastern Radio Stations" (PPRK). This was in 1937 and shortly afterwards the PPRK offered to take over the entire Eastern Services administration from NIROM. But it was 3 years before the proposal was accepted and PPRK got it's own programming on the air in 1940.

Then came the fatal year of 1942, when radio came under Japanese control. In 1945 the war ended and the radio stations returned to Indonesian control. On 11 September 1945 Radio Republik Indonesia was established and commenced operating from most major cities, except Surabaya, Bandung and Jakarta, where the Dutch and Allied Forces had returned.

During the subsequent war of independence, the 26 stations of RRI were able to remain on the air despite great difficulties and shortages of replacement parts. Many of the stations were operated by guerillas, and became portable operations, moving from one site to another, every few weeks. In 1948 the Dutch sponsored a "Radio Broadcast during Transition Period" (ROIO) which operated from Dutch held territory after peace had been made.

When the Republic of Indonesia was formed on 27 December 1949, Radio Republik Indonesia and ROIO merged together as Radio Republik Indonesia Serikat, which later was renamed Radio National Indonesia. Finally when the Indonesian Republic was officially constituted on 17 August 1950, the original name Radio Republik Indonesia came back into use.

From these beginnings grew the Indonesian radio scene we know today, with RRI's extensive overseas services and it's network of tropical band stations for local coverage.

BARRY WILLIAMS

In a forthcoming issue - a detailed article on the Netherlands Indies Broadcasting Co. Ltd.

TOPICALITIES

Austria's regional transmitter at Innsbruck Aldrans on 6000kHz has increased power from 1kw to 10kw since March, and a special directional antenna installed to improve reception in the alp district. Reception reports are very much appreciated: Address is ORF Kurzwelle, A-1041, Wein, Postfach 700, or ORF Technical Dept, A-1043 Wein, Postfach 200, Austria. SCDX.

Since 1 March, Radio Denmark's signal to the South American and Far Eastern areas has been muted, following the felling of 3 old wooden antenna masts set up in 1947, which were slowly rotting. Transmissions continue as before but with antenna beams only for Greenland and Africa.

PROGRAMMES FOR DXERS (continued)

RADIO JAPAN "DX Corner" at 1000 GMT on Sundays on 11875 and 15235kHz.

RADIO SWEDEN "Sweden Calling DXers" on Tuesdays at 1250 on 15275kHz.

SWITZERLAND "Swiss SW Merrygoround" on second & fourth Saturdays at 0705 on 9590 & 11775kHz.

RADIO NEW ZEALAND "Arthur Cushen's DX World" on first Wednesday of the month at 0645 on 6080 & 9540kHz; 1030 on 6080 & 9520. Repeated 2315 following Saturday on 11900, 15110.

There are plenty more - in fact some 28 international broadcasters now carry DX programmes. All full list appears in the WRTVH. JM

SHORTWAVE BANDWATCH



Stations of interest this time include Swazi Music Radio 3223kHz; Lusaka Zambia in vernaculars and English on 4911; a slight frequency change by Solomon Islands Radio; Belize in Central America makes a welcome appearance at dusk on 3300 and promptly verifies reception; Paul Rawdon notes ELWA Monrovia on a new frequency; Radio Budapest is heard with English on 15160 and 17780 following Hungarian broadcasts; and finally Radio Pakistan is heard in Urdu on the relatively new frequency of 17665kHz.

ALL TIMES GMT (NZT minus 12 hrs) FREQUENCIES - KILOHERTZ + = OVERSEAS CONTRIBUTOR

FREQ	TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	INITS
2428	1115	PAPUA NEW GUINEA	Radio New Ireland	good signal. Local songs.	RC
3223	1835	SWAZILAND	Swazi Music Radio, Mbabane	fair in EE with pop mx, advts & jingles thru to 1900.	DL TM
3240	0630	PERU	Radio America, Lima	fair with numerous idents.	RC
3250	1940	SOUTH AFRICA	SABC Home Service	till fade out 2010.3285 also.	TM
3250	1230	INDONESIA	RRI Bandjarmasin	fair strength. Some CW QRM.	RC
3265	2000	MOZAMBIQUE	RCM	good in EE with frequency schedule. Faded 2010. TM. 2015 Lourenco Marques Mx & cmt in EE, poor.	BV+
3290	0830	PAPUA NEW GUINEA	NBC Bort Moersby	good with rlg prgm, Sun. Other 90m stations - Radio Madang 3260 s/off 1300, Radio Southern Highlands 3275 at 0930, Radio Bougainville 3322 with Nx 1000, Radio Western Districts 3305 at 0900 fair.	RC
3300	0442	BELIZE	Radio Belize	popular mx prgm. Nx 0458. Rlg prgm to s/off. Poor 9/5. JM Faded in 0445 11/5. Closedown 0505 after prayer & EE ident & GSQ. TM 0455 fair-fairly good 13/5. Nx at 0500. Local anthem & GSQ at s/off 0510. QSL in 20 days. DL Finally hrd 0444 24/5 with popular mx, 0444. World Nx 0500 followed by Epilogue & closedown anncts 0509. Poor. BC	DL
3330	1731	PAKISTAN	Radio Pakistan, Peshawar	fairly good in dialect.	DL
3355	0728	NEW CALEDONIA	Noumea	good in FF. PG. 1007 FF & EE pops, fair.	BCa
3360	1106	PAPUA NEW GUINEA	Milne Bay with Listeners Choice, Radio Milne Bay	good till s/off 1230.	BCa BW
3365+	0525	VENEZUELA	Radio Puerto la Cruz	with ids & Fiesta mx. Sparks	NASWA
3385	0930	PAPUA NEW GUINEA	Radio East New Britain	fair in Pidgin.	JS
3390	0530	ECUADOR	Radio Zaracuy	fair to good with local music.	RC
3945	0626	NEW HEBRIDES	Port Vila YJB4	good in EE.	FG
3960	1837	IRAQ	Radio Baghdad	fair with Arabic programming.	FE
3980	0405	WEST GERMANY	VOA Munich	good in EE.	PE
3999+	0416	GREENLAND	Gronlands Radio	hrd with unsked tx. Heavy QSB. Young/	LR. NASWA
4066	1005	INDONESIA	Merauke	with light music & news.	AW
4698+	1215	INDONESIA	RK Surabaya	poor with Indonesian songs.	DL
4719	1431	INDONESIA	RRI Ujung Pandang	vg in Indonesian with popular mx. DL 1505 Local & Jakarta Relay Nx in Indonesian, fair.	BV+
4740	1702	MALDIVES	Radio Maldives	fair in EE, but mixed telegraphy.	DL
4764	1200	INDONESIA	RRI Medan	Nx & Cmtry, then pops. RC 1429 Mx, good.	DL
4775+	2200	INDONESIA	RRI Jakarta	s/on 'programa Khusus' //7190. S/off 0100. Also Jakarta 'Programa National' s/on this time on 4805 // 6045. Nx 0045. Also s/on 1000 hrd.	CT
4785	0622	COLOMBIA	Ecos del Combiema	very good in SS 17/5.	MS
4787+	0630	PERU	Radio Atlantida	poor with SS mx prgm.	AW
4790	0540	VENEZUELA	Ondas Portenas	good with mx & many SS idents.	LR
4790	1725	BANGLADESH	Radio Bangladesh	fairly good in Bangla. S/off 1728. DL	DL
4790+	2130	INDONESIA	RRI Fak Fak	s/on with many ids "RRI Studio Fak Fak" Also s/on at this time - RRI Sorong 4872, RRI Ujung Pandang 4985 till f/out 0125. Fade in again at 0820.	CT

FREQ	TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	INITS
4800	0830	ECUADOR	Radio Popular	good with many idents in SS.	RC
4800	1000	VENEZUELA	Radio Lara	good s/on at this time. Good verifier. 1030 mx & advts. CS. 0945 SS mx faint. (Earlier s/on? Ed)	RC AW+
4825	0644	ECUADOR	Radio Luz y Vida	fair with mx prgm.	IW
4825+	0202	GUATEMALA	Radio Mam	is new 1kw with address Escela Radiofon- icas Cabrican Huitan, Cabrican, Quetzaltenango, Guatemala. Mainly spoken prgm. QRM Dominican Rep. Field, Dexter NASWA	
4832	0729	COSTA RICA	Radio Capital	good level, many ids. JD 0800 hrd all afternoon. QSL in 10 days! AW+0815 SS Mx prgm, fair.	BV+
4833.4	1723	PAKISTAN	RP Islamabad	with Rawalpindi prgm. EE Nx 1725 - 'Dateline Pakistan'.	DL
4835	1023	CHINA	Fukien Front CC	music prgm /, 7025, 6400, 7280 good-exc.	FE
4855	1426	INDONESIA	RRI Palembang	vg in Indonesian. DL. 0900 s/on. Also noted s/on 2200 till f/out or perhaps s/off 0110. RRI Jog- jakarta s/on 2200 till 0200 f/out on 5047. S/on 1000 noted.	CT+
4860	1000	VENEZUELA	Radio Maracaibo	good with s/on at this time.	RC
4375	2057	SOUTH AFRICA	Radio RSA Meyerton	clear s/on in EE. F/out 2130.	DL
4890	0914	PAPUA NEW GUINEA	Port Moresby	good with mx. LR. 1000 good.	RC
4902	1410	SRI LANKA	SLBC	fair in Sinhala. Also 1708 poor due telegraphy.	V
4907	1412	CAMBODIA	Phnom Penh	vg in Khmere. Seems to be irregular.	DL
4911	1711	ZAMBIA	Radio Zambia,	Lusaka fair in Vernaculars & EE thru to 1830. Strong telegraphy QRM. DL 1715 Fair to good till 1945. TM	
4926.5	1415	INDONESIA	RRI Jambi	fair in Indonesian with popular songs.	DL
4932	1915	NIGERIA	RN Benin City	fair in Vernaculars with indig mx.	DL
4950	1000	VENEZUELA	Radio Coro	good at s/on. Ident for MW & SW outlets.	RC
4955+	2300	INDONESIA	RRI Banda Aceh	s/on. Jakarta news 0000.	CT
4972+	2230	CAMEROUN	Radio Yaounde	with mx prgm in FF.	BV
4973.2	1713	PAKISTAN	Radio Pakistan	fair with EE programming.	DL
4985	1418	MALAYSIA	Radio Malaysia,	Penang good in EE, but strong het.	DL
4985	0310	BRAZIL	A Voz do Oeste,	Cuiaba fair, later vg in PP. Off 0414.	DL
5005	1012	SARAWAK	Radio Malaysia,	Sibu in Iban language. FE. 1420 good.	DL
5010	1130	SINGAPORE	Radio Singapore	EE nx //5052. Both poor. FE. 1420 EE.	DL
5010	1930	CAMEROUN	Radio Garoua	fair in vernaculars. Indigenous mx.	DL
5020	0700	SOLOMON ISLANDS	Solomons Radio	vg in EE & Pidgin. New freq ex 5015. DL 0900 station ident, fair. CS. 1100 new freq anncd at s/off. MS. 1100 Radio Australia Nx & BBC Press Review. S/off 1115, fair. BCa VQ05 first noted 13/5 on new frequency. SG	
5035+	2150	CENTRAL AFRICAN REP	Bangui	poor with talk in FF.	AW
5040	0800	COLOMBIA	Radio Cinco	fair-good often. RC Reactivated station.	
5040	1215	BURMA	Rangoon	fair with Burmese Nx 1230. BCa 1431 Nx and Mx but heavy CW and slight QRM Indonesia 5047. Overall poor.	BV+
5050+	0600	PERU	Radio Loreto	fair with SS mx and advts.	AW
5052	1502	SINGAPORE	Radio Singapore	good in EE Requests. Nx at 1530.	BH
5075	0950	COLOMBIA	Radio Sutatenza	with mx & idents, fair. CS 1115 fair 0908 many ids. Also on 5095 at 1047 in SS. Good. BV+ 5095.	AW+ JD
5930	0440	CZECHOSLOVAKIA	Radio Prague	in SS. Fair with mx, cmts, ident.	CS
5950	0630	COLOMBIA	Radio Super	good on Sundays. Numerous idents. RC 0814 fair with mx prgm. IW. 5951-5952 drifting poor in SS 0645.	AW+
5960	2100	ALBANIA	Radio Tirana	good at s/on in Czech language.	DL
5960	2220	MOROCCO	Radiodiff. TV	Marocaine weak but clear in AA //6170.	DL
5965	0315	GREAT BRITAIN	RCI via Daventry	in RR to 0345. Mixed Berne.	JM
5980	0430	AUSTRIA	Vienna 'Report from Austria'	mixed Sth Africa, fair. JD Good with EE programming.	JD RC
5980	0743	UNITED STATES	KGEI	ident & EE Talk prgm. BrW 0900 EE then RR.	CS
5990	1000	JAPAN	NHK Tokyo	fair s/on in EE. BCa 1020 Ident & JJ music.	CS
5995+	0230	MARTINIQUE	Fort de France	with FF talks. Cress NASWA	
6006+	0630	COSTA RICA	Radio Reloj	with SS advts and music. Faint.	AW
6010+	0430	ITALY	RAI Rome	with 15 mins of EE nx, poor.	AW
6025	1200	MALAYSIA	RM Kuala Lumpur	fair in Bahasa Malay with ident.	DL
6030	0515	IRAQ	Radio Baghdad	excellent in Arabic.	FE
6030	0612	UNITED STATES	AFPTS via Bethany	good with nx and cmt.	JF

<u>FREQ</u>	<u>TIME</u>	<u>COUNTRY</u>	<u>STATION</u>	<u>PROGRAMME & RECEPTION DETAILS</u>	<u>INITS</u>
6055	0215	ASCENSION ISLAND	BBC	Atlantic Relay with 'World Service', fair.	JM
6060	1200	ARGENTINA	Radio Nacional	Buenos Aires vg in SS.	DL
6060+	0600	CUBA	Radio Havana	fair in SS to Sth America.	AW
6065	0748	COLOMBIA	Radio Super	good with many ids. JD. 0815 good.	RC
6070	0855	INDONESIA	8FW3	fair in Indonesian. PG 1025 exc. Bca. EE pops.	AW+
6090	0141	LUXEMBOURG	Radio Luxembourg	pops fair with QRM.	FR
6100	0430	SWEDEN	Stockholm	relaying Home Service. Parallel 6065.	AC
6110	2020	HUNGARY	Budapest	with Nx and DX prgm in GG. Noisy conditions.	JS
6115	1155	PERU	Radio Union	, Lima good in SS with mx, advts, many ids.	DL
6125	0730	COLOMBIA	Radio Continental	good but blocked by VOA carrier 0750	
6150	0700	COLOMBIA	La Voz del Huila	, poor signals.	RC / RC
6155	1030	SINGAPORE	Radio Singapore	vg in Malay with Nx. FE. Mx and talk.	LR
6160	0729	COLOMBIA	Emisoras Nueva Granada	good with mx. IW. 0920 numerous 'Radio Cadena Nacional' ids. RC. 1005 SS mx & Nx, very weak. LR 0800 SS mx, many advts, good. AW+ 0745 fair, relay RCN, Mx.	BV+
6165	0500	NETH. ANTILLES	Radio Nederland	via Bonaire vg in EE.	Bca
6175	1100	MALAYSIA	Kuala Lumpur	in Malay. Light music, ident 1130. Fair.	Bca
6180	0130	NORWAY	Oslo	in Norwegian. Pop music. QRM VOA Woolferton 0200.	JM
6220	1625	MONACO	Trans World Radio	European Service. EE ident.	BW
6348	0900	SOUTH KOREA	(tentative) Voice of Hope.	Station noted often, now s/on in Korean at this time with ident similar to WRTVH. '2001 Space Odyssey' theme before nx at 1005. Weak at s/on but good by 1000. SG. 1007 very good with nx in Korean.	Bca
7050	1615	EGYPT	Cairo	good in Arabic. FE. 2130 exc with AA id & mx.	PO
7064	1415	IRAN	Teheran	vg in Farsi with Home Service.	DL
7085	2110	PAKISTAN	Radio Pakistan	World Service in EE, fair.	JS
7105	2056	INDIA	All India	Radio poor in EE. Unlisted.	JS
7110	0954	INDONESIA	RRI Jogjakarta	int sig then into Indonesian. 1129 in EE. Very good. FE. 1000 Children's prgm in Indonesian, fair.	AW+
7120	0301	ALBANIA	Tirana	Relaying Peking EE to N:th America, fair-good.	JD BH
7120	1530	SOMALIA	Mogadishu	Foreign Svce in Gall, Mx & talk, poor 31/5.	JM
7130	0300	GREAT BRITAIN	BBC	World Service //5975.	BW
7140	0923	JAPAN	NHK Tokyo	fair-good in Korean.	Bca
7145	1903	ETHIOPIA	ETLF Nx	in EE to s/off 1910. Jammed most mornings.	BW
7155	0400	JORDAN	Amman	good with AA Nx, then mx.	PE
7160	1800	MALTA	Deutsche Welle	Relay in Turkish. EE ident 1850 s/off.	BW
7165	0403	ETHIOPIA	ETLF	Radio Voice of the Gospel EE Nx good.	JD
7200	1130	AUSTRALIA	RA Shepparton	vg in Mandarin. Cantonese from 1300.	DL
7205	2125	GREECE	VOA Rhodes	good in EE // Kavala 7170.	JS
7215	1457	GREECE	EIRT Athens	int signal & s/on in Greek, poor. FE 2100.	BW
7225	0445	RWANDA	DW Kigali	relay fades in in EE. Fade out 0530.	BW
7240	2000	YUGOSLAVIA	Belgrade	good in EE with Nx & mx. BH	
7250	0610	MOROCCO	VOA Tangier	exc in EE //7285 fair.	PO
7260	1730	EAST GERMANY	RBI	vg in EE. 7300 also noted in EE at 1900 but not in // with 7260.	BW
7260	0030	NEW HEBRIDES	Vila	good in EE & Pidgin. 0452 testing in EE/FF. QRM BBC at 0454.	DL Bca
7270	1600	SOUTH AFRICA	Radio RSA	fair in EE with // 17900.	BH
7285	0525	SOUTH AFRICA	Radio South Africa	poor-fair in EE till blocked by Cologne 0550. Bc. Fair over AA station from 0526 s/on.	DL
7285	2130	MALAGASY REP.	Radio Nederland	, Talata in Indonesian.	BW
7295	1055	MALAYSIA	Voice of Malaysia	in EE & Bahasa Malaysia.	FE
7300	1400	YEMEN ARAB REP.	Sanaa	in AA. QRM USSR From 1430, poor 31/5.	JM
7300	2050	EAST GERMANY	Radio Berlin	International fair in Italian.	JS
7395	0404	ISRAEL	Jerusalem	good with EE news. IW. 9495 noted with Hebrew Nx, poor 0556. Bca. 9495 s/on in Hebrew 0400, good.	RC
9510+	0500	INDONESIA	RRI Ujung Pandang	s/on. 0820 s/off. Also RRI Jakarta noted from s/on 0500 to s/off 0800 //7190.	CT
9515	0353	TURKEY	Ankara	tuning signal & s/on in Turkish, good.	JD
9022	0337	IRAN	Radio Iran	with commercials in Farsi, good.	FO
9475	0230	EGYPT	Cairo	fair in EE to North America.	BH
9525	2100	INDIA	All India	Radio poor with Nx in EE.	JF

COMING SOON...

RESULTS OF THE
NATIONWIDE
41M SURVEY.

FREQ	TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	INITS
9535	2100	SWITZERLAND	SBC	Berne fairly good in EE to Africa.	BjW
9545	2045	GHANA	Radio Ghana	s/on in EE, good.	PE
9545	0149	SOLOMON ISLANDS	VQ09	in EE/Pidgin.S/off 0230 Sun.'Mx by Request'	
9555	1730	KUWAIT	EE Nx	at exc level.JD. Fair in EE //11950? to Europe/JS perhaps ex 11950.BH. 1855 'Friday Requests', fair in EE.	CS
9565	0500	UNITED STATES	VOA	Greenville good in Greek.	PG
9585	0600	CLANDESTINE-BULGARIA?	Bizim Radio(Our Radio)	s/on, good. Rpt sent to Turkish Communist Party, Budapest, Hungary.	FG
9585	0300	YEMEN ARAB REP.	Sanaa int/sig & AA	s/on.Koran readings,fair.	JM
9610	0306	UKRAINIAN	SSR Radio Kiev	vg in EE to North America.	IW
9615	2215	VATICAN	Vatican Radio	EE religious fair.AW+ 2220 fair in EE. 9625 fair in EE 2005. 9645 good F 2018. 11700 good in PE.JMn	JF
9655	1150	CANADA	RCI	good to Caribbean in EE. Nthrn Svce 9625 not //DL 9655 at 0554 with EE Nx, fair till s/off 0600.	AN
9665	1125	MALAYSIA	Kuala Lumpur	news in Malay, good.	BCa
9690	2240	UNITED STATES	WYFR	Family Radio till 2245 s/off to Europe.	AC
9695	2230	SOUTH AFRICA	Radio RSA	fair in EE to Nth America with Nx.	DL
9700	0400	BULGARIA	Radio Sofia	in EE with contest details.	PO
9755	1033	UNITED STATES	APRTS	Bethany good in EE.FG. 0525 Sports,good.	JF
10040	1821	NORTH VIETNAM	Voice of Vietnam	EE Nx,Viet mx, fair.	AN
11710+	2330	ARGENTINA	Radio Nacional	with Nx in SS, fair.	AW
11715	0430	SWITZERLAND	SBC	in EE to WCNA,very good. Italian from 0500.	GH
11720	0100	UNITED STATES	WYFR	in EE till 0215,fair.JM. 11815 in SS at 0300 s/on.PO. 11855 in EE 0250.SS at 0300.GH. 15215 at 2305 in SS with 'La Biblia habla'.15135 in RR 2342 jammed. Both DL	DL
11760	0335	CUBA	Radio Havana	EE Nx.GH.0400 EE poor-fair.BV+ Till 0443.	BH
11770	0800	USSR	Radio Moscow	in EE to Pacific.Also 15130 0800-1000. JM AC 15130 EE Nx 0800.Brw.15260 exc 0800.JD.0910 poor.CS.17825 in EE 0900 good.DL.AE 0800-0830 15130//15260//17740.	PO
11800	0530	ETHIOPIA	ETLF	exc in EE from Addis Ababa.	PGr
11800	0110	SRI LANKA	Colombo	in Hindi to India. Relig songs 0100, movie songs 0130, old songs 0200. Fair-good, later poor.	AN
11805	1838	BELGIUM	RTB	Wavre vg in FF with Church Mx & Interview.	DL
11810	2144	WEST GERMANY	DW	Cologne in PP with EE pops.Change frm 11795.	PO
11820	1900	ASCENSION ISLAND	BBC	Atlantic Relay fair with Current Affairs.	
11855	2254	BELGIUM	Brussels	poor with DX prgm.IW 2215 s/on Dutch vg.	BC/BH
11865	2000	LIBERIA	ELWA	fair in AA.New freq. HET from BBC in Russian.	PR
11880	0011	TURKEY	TRT	Ankara good in EE. Noted one day only.	FG
11880	0230	MEXICO	XERH	Radio Seis vg //15110 good.PO.15110 SS good 0054.	JS
11890	0345	EAST GERMANY	RBI	in EE answering Listeners letters,Sunday.	PO
11945+	0145	PARAGUAY	Radio Encarnacion	faint under RNE Madrid.	AW
11990	0312	CZECHOSLOVAKIA	Prague	exc in EE //7345.PO. 1615 vg in EE.	FE
12025	0400	ISRAEL	Jerusalem	good with EE Nx and weather till 0415.	GH
15080	0930	CHINA	Radio Peking	Indonesian Service vg //15095.	JMn
15160	1030	HUNGARY	Radio Budapest	EE to Aust/NZ fair 24/5.	JM
15170	1904	TAHITI	Radio Tahiti	good with EE Nx.	FE
15275	1230	SWEDEN	Stockholm	in EE to Far East till 1300, fair.	JM
15350+	1822	ZAIRE	Kinshasa	id 1835,FF talks.Not //15245. Hauser NASWA	
15425	0255	SRI LANKA	Radio Sri Lanka	in EE to Asia, good.	AN
17665	0930	PAKISTAN	Karachi	World Service in Urdu to UK. Ex 17890.	JM
17780	1030	HUNGARY	Budapest	EE to Aust/NZ fair over AIR 4/6 with Nx.	JM
17840	0455	AUSTRIA	ORF	Vienna tuning signal & GG s/on, good.	JD
17880	0000	MALAYSIA	BBC	Far Eastern Station s/on in EE W.S. excellent.	JD

(Phew! Sorry about the squeeze & need to abbreviate.Ed)

CONTRIBUTORS:

BH	Bill Hudleston	IW	Ian Wells	AN	Ash Nallawalla	PG	Peter Greener
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GH	Gordon Hutchison	BC	Bryan Clark	BW	Barry Williams		and from Aussie:-
LR	Lindsay Robinson	CS	Cecil Symmes	JD	John Durham		Craig Tyson, Alex
BCa	Bruce Cavanagh	JMn	John Martin	PE	Paul Edwards		Wellner, Bill Vogel
SG	Steven Greenyer	BjW	Brian Withers	JF	Jack Farrow	PR	Paul Rawdon.

31 metres mini survey

18

During late May, Arthur Cushen monitored the 31 metre band during the period 0800 to 0900 GMT. There were many Russian signals evident but some unusual stations were heard as well.

- 9500 USSR Magadan fair in RR at 0800.
9505 JAPAN NHK opens 0800 with General Service in English.
9515 SPAIN RNE weak signal in Spanish.
9520 NZ Radio New Zealand opens 0855.
9535 SWITZERLAND SBC EE commences 0900
9540 NZ Radio New Zealand s/off 0845.
9540 USSR with Japanese transmission.
9545 USA VOA Dixon to the Far East.
9550 BULGARIA Sofia Home Service.
9565 USA VOA Delano in Chinese.
9570 AUSTRALIA RA Shepparton s/off to Europe 0815.
9575 USSR Home Service transmission.
9580 PHILIPPINES EE annct hrd 0900.
9585 USSR Home Service transmission.
9590 SWITZERLAND SBC in EE at 0900.
9595 JAPAN NSB with JJ commercial pgm.
9610 AUSTRALIA ABC Perth Home Service.
9620 USSR Radio Moscow.
9625 CANADA Montreal to NZ 0800-0900.
9630 SWEDEN Russian broadcast 0830.
9635 SINGAPORE Malay language prgm.
9640 GREAT BRITAIN World Service of BBC to 0915.
9640 SOUTH KOREA s/on 0830, EE 0900.
9645 USSR Radio Moscow.
- 9650 USSR Moscow, Kremlin Bells 0900.
9655 THAILAND with Thai Home Service.
9660 AUSTRALIA ABC Brisbane.
9660 VENEZUELA Radio Rumbos s/on 0900.
9665 USSR Yet another Russian.
9670 PORTUGAL Voice of Hope EE 0900.
9670 USSR here too.
9680 AUSTRALIA ABC Melbourne.
9680 ECUADOR HCJB mixed with ABC 0830.
9685 USSR.
9690 USSR.
9695 AUSTRALIA RA Indonesian prgm.
9700 USA AFRTS Forces prgm. (Delano)
9705 USSR.
9715 NETH ANTILLES Radio Nederland in EE from Bonaire Relay.
9715 PHILIPPINES FEBC opens 0830.
9730 USSR.
9735 WEST GERMANY DW in German.
9735 USSR Radio Moscow in Japanese.
9745 ECUADOR HCJB QUITO in English.
9750 UNID Arabic transmission.
9755 USA AFRTS prgm. (Bethany, Ohio)
9760 AUSTRALIA Papua New Guinea Svce.
9770 NETH. ANTILLES Radio Nederland, Bonaire in Dutch.

A total of 48 stations, 14 in USSR!

OUR THANKS TO ARTHUR FOR THIS LISTING. HOW MANY CAN YOU HEAR OF THESE?

RADIO CANADA INTERNATIONAL OVERSEAS TRANSMITTER LOCATIONS.

Many members report difficulties in determining transmitter locations of RCI. Effective 4 May, the following 'foreign' transmitter sites and frequencies were scheduled: 0600-0800 GMT from Daventry UK on 11720, 9685, 7155; from Malta on 17820, 9605 and 7290. Also at this time 9445 and 5905 are used as point-to-point transmitters directed to the Canadian Armed Forces Radio Station in West Germany. At 1428-1500 from Daventry on 11935 & 9555; from Sines, Portugal on 9565 & 11915, all in Russian parallel to Sackville frequencies 15325 & 11875. All these channels carry Ukrainian at 1500-1530. Daventry rebroadcasts in Czech at 1530 and Russian 1600-1645 on 11935 & 9555; Polish at 1645-1715, German 1715, Polish 1800, Hungarian 1815, Czech 1830-1900 all on 7235 & 5995 from Daventry. Malta frequencies 15300 & 11845 are sked 1800-1957 in EE & FF to Africa. The FF period from 1900 is relayed from Daventry on 9745

and 7225 also, beamed on to Malta. Finally in the period 0315-0345 GMT the Russian programme is carried by Daventry 7260 & 5965 and Sines 7285, 9615 and 11905kHz.

All other transmission frequencies can be presumed to originate from the RCI Sackville site.

SOUTH AFRICAN CHANGES.

From 4 May the following frequencies are scheduled for the evening broadcasts of SABC's internal SW service. 3320 & 3285kHz 1820-2100 hrs GMT; 3250 up to 0422; 3955 & 3965 at 1730-2100; 3980kHz up to 0722 hrs GMT. Three additional transmitters of 100kw should enter service late 1975 to supplement the existing 6 SABC domestic SW transmitters. They will operate mainly on 49 & 120 metres.
via JM

OFF AIR: SEARV Manila has stopped broadcasts and hopes to sell its transmitter & antenna to Radio Veritas. Benelux via Sunspot

ARTHUR CUSHEN'S SHORTWAVE REVIEW 19

Since May 4 several international stations have made adjustments to frequencies. Some new channels have been observed. Radio Moscow has been noted with its new service to the Pacific.

All times are GMT

All frequencies KHZ.

ANTARCTIC The American Forces Antarctic Network, McMurdo Sound which was being heard on 7050 in late April seems to have returned to 6012.

AUSTRIA Vienna is now being heard on 5980 from 0400-0600 with English at 0430 beamed to North America. This frequency replaces 7195.

BELGIUM Brussels is heard in English 12255-2315 on 9730 and 11855; also from 0040-0100 on 6080 and 9730.

IRAIZIL Radio Nacional has returned to 15245 with English from 2100-2200.

CANADA Radio Canada is using an additional frequency to the Caribbean of 15175 from 1100-1230 with 250kw. 5990 and 15365 operate 1045-1215 replacing 6175. 6135 is a new frequency in the transmission 0430-0600

ECUADOR HCJB has dropped the French broadcast to the Pacific at 0700 and now has English for the period 0700-1045. Russian follows at 1045.

SOUTH KOREA KBS Seoul is to commence transmissions this month with a 250kw transmitter.

NEW ZEALAND The External Service Division of Radio New Zealand has the new mailing address on P.O. Box 2092 Wellington. The present schedule to the Pacific is: 1700-1945, 9755 and 6080; 2000-0545, 15110; 0600-0845, 6080, 9540. To Australia: 2000-0000 on 11900, 0000-0545, 15280. 0900-1145, 6080 and 9520. To Antarctica Sundays: 0015-0045 on 15280. Arthur Cushen's DX World is broadcast on the first Wednesday in the month at 0645 and 1030, and is repeated the following Saturday at 2315.

PAPUA/NEW GUINEA New shortwave call signs have been adopted. P2K3 replaces VLK3 on 3925, P2K4 replaces VLK4 on 4890, P2T4 replaces VLT4 on 4890 and P2T9 replaces VLT9 on 9520. All shortwave call signs of Administration stations have been dropped and replaced by location slogans. The latest frequency schedule shows three stations under construction.

Radio West Sepik	Vanimo	2kw	3205khz
Radio Manus	Lorengau	2kw	3905Khz
Radio Enga	Wabag	2kw	unspecified

POLAND Warsaw has been noted in English 0630-0700 on 7285, 9540, 9675. From 2030-2100 on 7285, 9540; 2230-2300 on 5995, 6135, 7285, 9540.

SAHARA The transmission on 11805 now commences at 0700 but is mixed with AFRS Delano on the same frequency.

SWEDEN Stockholm is being heard at 0500 on 6100 in parallel with 6065 relaying the home programme.

USSR Moscow has retimed its broadcasts to Australia and New Zealand. 0800 to 1000 in English on 11770, 15130, and 15260, although the latter frequency suffers from FEN Tokyo interference.

VENEZUELA Radio Rumbos opens at 0900 and can be heard over ABC Brisbane for the first few minutes of its transmission.

RADIO LIBERTY COMMITTEE
8 München 81, Arabellastr. 18

SWITZERLAND CALLING

..sign off..

BHUTAN The National Youth Association of Bhutan runs Radio NYAB which began broadcasting officially on 11 November 1974, the Kings Birthday. Transmissions are on Sundays only, on 7040 kHz at 0730-0930 GMT with EE & Bhutanese news at 0730, Bhutanese spoken features & music to 0845, then 45mins of English, including interviews, commentaries and Listener's Choice. To date reception has only been reported as far south as Sri Lanka. Station address is P.O.Box 1, Thimphu. JSWC

IRAQ A 2000kw transmitter was inaugurated at Babylon on 8 April, beamed to North Africa on 1038kHz, relaying the main domestic service from Baghdad. Also to be installed in Babylon are 2 SW transmitters of 500kw with 17 aerial arrays, enabling the station to 'reach all parts of the world both in daytime and at night'. These will become operational in 1976.

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FINN DX is a popular weekly DX programme broadcast for 15 minutes every Tuesday from Radio Finland at 1415, 1615, 1815, 2045 and 0315 GMT, by the Friendly DX Club. Some of Scandinavia's most experienced DXers are involved in preparation of Finn DX and its content include news of DX events in Finland, technical topics, features on exotic radio stations, interviews with DXers and so on. Why not tune in and hear it for yourself. Incidentally a BBC report indicates that the Finnish Broadcasting Company has threatened to end external broadcasts in EE unless the government provides further funds to cover its expenses.

DATES TO REMEMBER: Cape Verdes will celebrate independence on 5 July, as will Sao Tome on 12 July. Check these countries for extended broadcasts.



RADIO PRAGUE LISTENERS' CLUB

Do you listen to Prague and enjoy the programmes?

If so, write to Bob Boundy, 53 Greendale Ave, Avonhead, Christchurch 4, for further information.

CLUB OBJECTIVE: TO MONITOR RADIO PRAGUE & PARTICIPATE IN SPECIAL CLUB COMPETITIONS.

NEW ZEALAND RADIO DX LEAGUE

ADMINISTRATIVE OFFICE

P.O.Box 1313, Invercargill.

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

EDITORIAL OFFICE

P.O.Box 2956, Wellington.

Only queries relating to content & distribution of the Times should be addressed to Wellington.

Closing date for contributions:-
First Wednesday of the month.

Advertising: 50 cents up to 30 words. Other rates on request.

ANNUAL SUBSCRIPTION: NZ\$4.00

Joining fee surcharge of \$1.00 for new members only. Rates to overseas on request to Invercargill.

PENFRIEND WANTED by John V. Bennett, Rectory Cottage, Broad Street, Wrington, Near Bristol, B518-7LD, Avon, England. John is 20 years old and has been DXing for 5 years. He is a member of the International SW League and also interested in writing, reading and astronomy.

BELGIUM'S 250kw transmitters are on air and is sked as follows, until 7th September: 6010kHz 1430 in Dutch, 1500-1530 GMT French (Weekdays); 9620kHz 0500-0615 French (Weekdays); 9640kHz 0430-0615 in Dutch on weekdays; 11805 1800-2100 daily in French; 11930 1800-2200 daily in Dutch; 17740 0800-1000 on Sundays and 1000-1300 daily in Dutch; 17770 0630-0735 daily in French 17815 0630-0730 in Dutch, both daily.

market square

WANTED TO BUY: Communications receiver. Please send details & price to G.Reeves, 62 Rangituhi Crescent, Elsdon, Porirua.

PANAMA'S only listed SW outlet, La Voz del Baru in David was apparently destroyed by fire on 16/2 with damage of more than \$25,000. However a new SW station is reported - La Voz Panama, Apt 867, Zona 1, Panama on 9650kHz at 1800-0400 GMT with 500 watts.

BEC MS (C), WRTVH/Sunspot

RADIO UNIVERSIDAD de Costa Rica 6105kHz is off air due technical problems.

Distance via Sunspot