



NEW ZEALAND DX TIMES

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FACING CHANGE

Recent articles in the Times illustrate the diminishing return DXers are getting as stations tighten their economic belts, count the cost of handling unsolicited mail like our reports, and redefine their broadcasting objectives. In recent weeks we have seen the closing of Club Forum on Radio Australia, one of the most popular shortwave enthusiasts programmes in this part of the world. The decision was probably not taken lightly, but the economies of operating a broadcasting service must be measured in terms of ever increasing overheads and virtually "no returns", unless of course you are a commercial operation. An article published in 'Wireless World' about October 1979 written by an authority with the CBC, estimated that the effectiveness of an international shortwave broadcaster hitting the targeted audience with the right power, at the right time, on the right frequency, in favourable conditions, and with the right programme mix could be measured. Significantly, you had to be satisfied if you were 20% effective, which was how RCI came out of the exercise! In effect, the shortwave broadcaster 'hopes for the best' - spends a lot of money doing it - and the ultimate effect is quite small. The cost of serving the DXer must continue to rise, particularly if the big international stations maintain expensive correspondence sections. It behoves us all to make our reports worthwhile reading; concise from a technical point of view; accurate from a programming point of view; constructive from a programme comment point of view and personalised - tell them about yourself, and get that person-to-person response. As a contrast to the Radio Australia move, Radio New Zealand shortwave is undergoing some programme changes soon to place more emphasis and effectiveness on its role in the Pacific. The old-established 'Mailbox' programme which ended up on MW when the SW service closed down abortively, will wind-up shortly and appear perhaps in May in an entirely new format fortnightly on shortwave only. Emphasis will be placed on programming for the North American evening audience, whose reports dominate the shortwave mail. New transmitters, relocations, and new frequencies are topics that have been discussed for some time by RNZ, and perhaps we will see some moves this year, although the economic climate is not that bright. But will it ever be?

Tony King - acting as Editor
while Cecil Symmes is in Nepal.

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FROM THE BRANCHES

Bruce Williams also provided an account of his recent visit to Melbourne. Next meeting will be at Bob Connors, 9 Paeroa Street, Newtown at 8 p.m. Fri 28 March.

WAIKATO - BAY OF PLENTY: At the meeting held on 9 February the visit of Roger Stubbe from HCJB was discussed along with a roll-call of those going to Convention. To meet Roger Stubbe, the following meetings have been arranged: Rotorua 29 March 0145 GMT NZART Rooms; Whakatane 29 March 0730 GMT (Phone A. Haultain 8779 Whakatane or David Munn 492667 Hamilton). Hamilton: 30 March 0230 GMT - phone David Munn for venue. Other enquiries Colin Campbell 6 Clouston Crescent Rotorua phone 81161.

SOUTHLAND: The February meeting saw 14 present with discussion centring on the recent successful barbecue, plans for a weekend at Tiwai in May, and the Convention. Lindsay Robinson was welcomed back at the meeting after a break of four years and is active again. Next meeting at Eddie Macaskill's 167 Isabella Street on 25 March. Competition Results: BOM Broadcast R Crawford HJNB Colombia 1300 khz 1kw; Rest of the World MW - E. McIntosh Port Moresby 585 khz 2kw; Consolation - A. Cushen CMDN Cuba 870 Khz 5kw. Shortwave: Over 9 mhz, A. Williams HCJB 26020 100 watts, Under 9 Mhz, S. Greenyer CFCX Montreal 6005 khz 500 watts.

CANTERBURY: The Branch is flourishing again with an attendance of 10 in January and seven plus five apologies at the February gathering. The interbranch competition entry has been discussed, and three members are heading for the Convention in Auckland at Easter. A special invitation is extended to all local League members to take part in branch activities, with the next meeting at 2 p.m. Sunday 23 March at Lance Johnston's, 2 Waitaki Street, Wainoni, phone 887-829. Roger Stubbe will be at the April meeting - at 2 p.m. Sunday 20 April at the home of Michael Pollard, 9 McGregors Road, East Linwood, phone 893-911.

AUCKLAND: The Convention has the branch really humming with activity, and at the February meeting there were 11 present finalising plans. Roger Stubbe would like to meet members in Auckland prior to his attendance at the Convention and will be talking with NZART members at the clubrooms, 3000 Great North Road, New Lynn at 8 p.m. 31 March. Competitions: MW Mark Nicholls WMAQ Chicago 670 50 kw; SW over 9 mhz - Bryan Clark HCJB 26020 100 watts; Under 9 mhz: same guy, AWR Andorra, 6215 with 3kw. Next meeting - Sunday 30 March at the NZART Clubrooms.

market square

KENWOOD QR666 receiver plus a Codar PR40 preselector, both in

good condition. \$290 o.n.o. P.G. Askew, 35 McDowell Cres, Glenfield, Auck 10.

REPORTS ARE WELCOME with a packet of stamps. Five pkts of 15 asstd N.Z. stamps for \$1. For prompt delivery send SAE and cheque to - 'DX Stamps', IHC Workshop, 280 Willis St, Wellington.

SONY ICF-6800W sell. \$1100 ono. Comes with two 30' masts, coax wires, folded dipoles, accessories, aerial tuner. Dr R.A. Kalupahana, Phone 677-085 Wellington.

REALISTIC DX160 sell. 150 khz to 30 Mhz. 5 bands, solid state. AM CW SSB B'spread. BFO Ant Trim ANL AVC Matching Spkr. 240/12V operation. \$300 ono. Nigel White, 21 Rutherglen Ave, Christchurch 4. Ph: 583-825.

SONY ICF6800W sell. 29 band rx as new 530khz to 30 Mhz. Digital readout. \$850. E.Savage, 4 Collins Street, Takapuna, Auckland.

WELLINGTON: Six members attended the February meeting at which the axing of various programmes by Radio Australia, particularly Club Forum was discussed.

'TIMES' CHANGES

Ever increasing costs have dogged your magazine committee in its efforts to provide a bigger magazine or more relevantly, to have more variety in what we publish. As from this month we have a new distributing agency and have the advantage of computer addressing which will result in a saving of more than \$500 per year in the production of the 'Times.' Hopefully, the new arrangement will enable the League to hold its subscription level for some time, particularly in the light of the next postal hike next month. Mailing of the 'Times' is from the extensive Porirua Postal Centre and quicker deliveries are possible within New Zealand.

BROADCAST DX

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por el personal necesario.

Hopefully by the time this issue reaches you, you will have been fortunate enough to have heard all the University stations that have been on the air. Some news of two of them that arrived too late for last month's Times.

Radio Kibbet, Otago University, 1305 khz, 100 watts, 25 February to 7 March 80. address is Otago University Students Association, P.O. Box 1436, Dunedin.

Maska Radio, Massey University, Palmerston North, also on 25 February to 7 March, on 1584 khz, 100 watts. Was the first Commercial University station, reports with prepared card and return postage to, Maska Radio 2XC, C/- University Students Association, Massey University. Leigh Morris.

Auckland. According to QSL card Radio B is using 50 watts. Radio I will not be carrying out anymore tests on 1170 khz. Radio Hauraki hasn't done any tests on their frequencies of 972, 1170, 1179 or 1188 khz. Vivian Van Dyk.

QSL.QSL.QSL. For all those 202 listeners awaiting cards from Radio Pacific, some good news, John Allchin, Bryan Clark and Mark Nicholls recently spent 4 hours at Radio Pacific assisting in the completion of verification cards from 1 April 79. All that remains is for the Managing Director to sign them and envelopes to be addressed, so hopefully they should be on their way soon.

MAILBAG.

VIVIAN van DYK, Auckland, has reports out to 1XB, ZC, ZH, and QSLs from Waves, Avon, Radio B, 1ZH, 1ZC and Sam. ta for info.

ROBIN CHAMBERS, Opunake, reports KISA, CKNW, KACY, KGNR, XENA, XEMO, 7ZR, Petrolera 1180 & one verie from CKNW. thanks for trail.

BRIAN WEBB, Upper Hutt, Reports VOA 1575, 1XA, XB, XP, ZA/ZT, ZH, ZK/Zh, 2XA, CH, JJ, KY, OO, UW, YL, ZC, 3LB, YC, 4QD, QN, YQ, veries in are KRVH, 1YW, YZ, ZC, ZK, ZA, 2UW, YL, YW, YX, ZC, 4QD, QN, QR, YQ. Your problem with verie has existed for many years, perhaps you could try head Office.

DAVID RICCIUSE, Christchurch, logs 4XD and QSLed 1XK WPOF CFCF ZBV1 for country 50.

MARK MURRELL Nelson, reported are 4SB, MK, GG, 3WF, 2KY, 2LF, WHO, and 1ZH, good loop.

JOHN ALLCHIN, Auckland, one log KPIX, but plenty of QSLs from KDKA, WCKY, WSUN, CBJ, KTOB, KEZY, WIZM State 34, KNJZ, KSOC State 35, WDAF, KRGV, KGNR, CJVB, WHIO, WABC, KJOY, KRLA, and WJR State 36, Yank total must be climbing.

HANK WILKINSON, California, veries are HJAK, 2NC, 2za, reports are Tahiti, HLCF, HLCX, RAI 1206, HLCQ, Noumea, 1ZD, Fiji 1467, Malaysia 882 and 594, and WQBS.

PETER JONES, Hamilton, QSLs are 1ZC, 1ZH, waves, Sam, and Fiji 558.

STEVEN GREENYER, Invercargill, logs, Maska, Ribbet, and veries 2XR, .

Of news to Mediumwave lxxers is that Alan Roycroft, "Mr Hawaiian Broadcasting," is hoping to take time off to attend Convention 1980 in Auckland, a chance to meet the face behind the signature on so many veries.

LANCE JOELSTON, Christchurch, logs 2XA, veries in from WVUV, KKUA, KRVH, KAEC, 1XK, 1XL, 3ZL, 2YB, XW, 3XA, 2ZE, 1XA, 2ZB, ZA, YM, ZK, ZD, 4XD, ZB, XO, 3XG, ZM. ta.

ROBERT WEBBER, Te Kuiti, has QSLs from 1ZH, Sam, and Rhema. Rob tells us that 1ZH has a new 5 kw transmitter.

IAN CATBERMOLE, Blenheim, reports 1ZT, 2KY, GL, RG, WG, ZH, 3EA, YR, 4IP, CD, 5PI, 6XM, 7LA, KTRB, JORB/PC, JOOR, JCHR, veries 2XX, 2GZ, 3MA, 3YR, JOOR.

BILL JOLLY, Hawera, logs of 2ZK, 1xI, 1ZC, 1ZD, 2ZH, 2XW, 3XA, returns from 1XA, ZC, 2ZK, ZH, 1ZL, ZO, XI, and Sam.

MARK NICHOLLS, Auckland, QSLs from KOMA, KBOI, WMAQ, WBBM, Sam and reports to KHJ, KEX, KOB, A3Z, 4XD, Fiji 558. Ta. ver much.

LEIGH MORRIS, Palmerston North, Reports Otago University 1305, Maska Radio, veries from Sam, Waves, KARZ, and WMO.

DELE LYNEBERG, Wellington, veries from 1XK WSM and f/up report to Zambia 818, worth chasing. Cuban calls issue seems confused there. hi. OI re comment.

ARTHUR CUSHER, Invercargill, one report KPIX, veries from Vila 1125, 2JJ 1539, 1ZD, CHDK 870. ta.

RAY CRAWFORD, Invercargill, reports 3EA 4XR, 2XC, JOWF 1440. veries 1XL 2KO, 1XK, 2XA. HJLB Reloj 1300. good.

BROADCAST TRAIL

590 KGMB Ex 1335
 600 KOGO Fair 1336
 Cuba fair EE to 0800 then SS (which conflicts with info from other sources including the station)

730 Mexican good 0810
 740 FF speaking station. Fair at 1007-1009 when it faded 13/2. Not heard since. Antilles ???

750 HJDK fair 0902
 780 KVRL Ex 1250
 WBSM good with sports 0820

790 KKON Ex 0810
 800 R. Canon, Mexico, strong 0740 24/2
 FJB Ex 0810

840 WHAS poor 0740
 855 Powerful New Plymouth National Pgm repeater testing here ???

960 KTRB Fair 1505
 XEMO Strong 0830-0900
 930 KHJ fair 1341
 950 KJR Good 0750

1000 Colombian fair 0830
 1020 Margarita good 0805
 1050 CFGP Fair 1440
 1100 KPAX News good 1359
 1110 KKEI Good 0745-0830. Ex at s/on 1501
 1130 CKWX Strong 1400
 KWKH Good 0830

1140 SS fair at 0924 but soon faded. CB114?
 1180 Petrolera good 0811 Colombian also
 1220 CKDA Fair 0757 good 1400
 1270 KENX good at times 0746-0802
 1290 KOIL mixed KEGV 0806
 1320 KGNW good peaks 0842-0930
 1360 KGB fair 1332
 Excelsior? SS good 0830

1380 Sth Am. with sung slogans 0822 22/2
 XECO R. Eco good 0745

1400 R. Universal fair 0758
 1420 WOC good at times 0846
 KOON Ex 0750

1440 KEYS ID fair mixed KPHL
 1470 Inca del Peru fair-good 0915
 XESM poor fair 0820

1520 KACY good at times 1312-1327
 1540 KISA good-0745. S/off 0800
 1580 KNIX often over KDAY
 1590 KLIV fair 0955
 tnx Robin Chambers for the Trail

SENIOR: To Ray Crawford with HJNB, R. Beloi Bucaramanga, Colombia. 1300kHz. 1000 watts

JUNIOR: To Mark Nicholls with WBAQ, Chicago, Illinois, USA. 670 kHz. 50kW.

STATION NEWS

CHRISTMAS ISLAND: VLU2 is reported on its new frequency of 1422.

COCOS ISLAND: VKW is operating on its new channel of 1404. Adrian Peterson/ AWR

CUBA: New daily external service in English for North America on 600 from 0500-1100 announces as "Voice of Cuba". Address for reports given as P.O. Box 6017, Havana, Cuba
BBC-MS

In a recent verie letter Radio Havana advise that they now broadcast in English on 550, 630, 640, 840 and 870kHz. They also list 520 which seems to be in error. Time 0500-1100.
Arthur Cushen

DOMINICA: The Dominica Broadcasting Corp. station on 595 is reported to be back on the air after Hurricane David using 1kW and is likely to be low powered for some time. MWN

EGYPT: Middle East Radio, the commercial service in Cairo has been found to broadcast on 1575 and 774kHz daily from 0400-0630 in addition to 1200-2300.
BBC-MS

IRAN: Kermanshah on 612 broadcasts news in Kurdish at 1330 and 1530. Kurdish programs end at 1630 when the station continues in Persian.
BBC-MS

The Voice of the Islamic Republic of Iran external service transmission in Arabic from 1430-1630 is currently heard on 1116 and 108 This broadcast is also on 1390 to 1600 when it breaks away to broadcast from Ahvaz a loc newscast and commentary.
BBC-MS

Summertime in Iran begins on 21 March and ends on 23 September.

MALTA: Radju Malta International is on 756 0700-1700 with Italian 0700-1315 and English from 1315-1700.
SCDXers

NIUE ISLAND: Station ZK2ZN operates on 837 with 250 watts on the following schedule:- Tuesday to Sunday 0500-0815, Tuesday to Saturday 1630-1930 and Sunday 1700-2300. Tuesday to Sunday 2230-0030.
Arthur Cushen

QATAR: A new transmitter of 10kW on 999kHz carries English 0300-0915. The "Peoples Program" is carried on 1602 from 1300-1530. On Fridays and holidays both these frequenci carry religious programs from 0930-1300.
BBC-MS

Some news from Latin America which could be of use to our enthusiasts of the Latin DX scene.

Currency. It is possible to go some way towards IDing an unknown LA station by noting the money used in commercials. The various currencies now in use are:

Argentina.....peso	Colombia.....peso	Honduras.....lempira
Bolivia.....peso	Costa Rica.....colon	Mexico.....peso
Brazil.....cruzeiro	Ecuador.....sucre	Nicaragua.....cordoba
Chile.....escudo	Guatemala....quetzal	Paraguay.....guarani
	Peru.....sol	Uruguay.....peso
	Salvador.....colon	Venezuela.....bolivar

National Anthems

Some LA stations sign-off with the National Anthem. Care should be taken, however, as some close with a march or martial music which sounds like an anthem, but may not be so. Often the words "Himno Nacional" or the title of the anthem can be heard during the closing announcements. The titles of LA anthems are:

Argentina...Oid, Morals el grito sagrado Libertad
Bolivia....Bolivianos, el hado propicio
Brazil.....Ouviram do Ipirangas Margeness
Chile.....Chiles to celo azulado pura
Costa Rica..Noble Patria
Dom. Rep....Quisqueyanos Valientes
Ecuador....Salva oh Patria
Guatemala...Guatemala Feliz
Honduras....Tu bandera, tu bandera es un lampo de cielo
Mexico.....Mexicanos al grito de guerra
Nicaragua...Salve a ti Nicaragua
Peru.....Somos Libros
Paraguay...A los pueblos de America
Salvador...Saludemos la Patria
Uruguay....Orientales, la Patria o la tumba
Venezuela...Gloria al bravo pueblo

Independence Days

On these days it is quite possible for the stations to stay on later than usual, perhaps even all night.

February 27	Dominican Republic	Sept. 7	Brazil
May 14	Paraguay	Sept. 15	Costa Rica
July 5	Venezuela		El Salvador
July 9	Argentina		Guatemala
July 20	Colombia		Honduras
July 29	Peru		Nicaragua
August 6	Ecuador	Sept. 16	Mexico
August 25	Uruguay	Sept. 18	Chile

Fiesta Days

Roman Catholic religious holidays should be watched, especially for religious stations staying on late, as well as certain Fiesta days such as Bolivar's birthday on July 24 and Columbus day celebrated throughout Latin America on October 12.

Thanks to IRCA

GERHARD HUTOW, Austria: Has reports away to Batra 621, Murmansk657, Plauen 1170, BCC 1341, Sofia 1224, Bucharest 756, Tripoli 1250, Mi Amigo 1100, Tunisia 1566, 1521, 630, Tirana 1215, 1385, 1458, BDC 1215, Egypt 1188, ZYK585 1200, Spain 729, R. P. de Madrid 1224, Lebanon 1308, Belgium 621, Holland 747, Tirana 1089, Dublin 1188, Algeria 980, Krasnodar 1089, Rome 1332, EAK58, Belgrade 1134, 1269, 882, Syria 746, EAJ3 1260, Algeria 549; Milano International 1490, Spain 738, Israel 738, Morrocco 1116, Saudi Arabia 1296, ZYC58 1290, Dushanbe 1143, Kalliningrad 1143, Spain 774, Iran 1152, Birmingham 1152, Bulgaria 1296, 774. Veries in from Vilnius 666, Switzerland 765, Novi Sad 666, Bulgaria 801, DDR Putbus 729 and Teeside 1170. Nice list there. Receivers used by Gerhard are Trio 9R59DE, Grundig Satelitt 2000 and National DR 28.

CONVENTION

The stage is set for the first Auckland based League CONVENTION to be held at Easter, and according to Bryan Clark it will be an eventful affair. Over the last few years we have seen the emergence of activities that have been the highlights of the Convention scene - exercises that are beyond the means of individual branches, but which have made the mood of the Convention so much more enjoyable. According to Bryan Clark, an auction will again be a highlight (remember Wellington and Christchurch!) with keen bidding expected for T-shirts from the BBC VOA Sweden and Deutsche Welle. In addition, 31 stations from around the globe have contributed items for the auction, and the flow of radio paraphenalia including radio mags, plugs, sockets, wires, tape recorders, are being accumulated. Broadcast band DXers will be keen to meet Alan Roycroft of Broadcast Services Inc Honolulu, recently elected an honorary member of the League who will be in Auckland at Easter.

A series of test transmissions to N.Z. from a European hobby pirate have been organised - and gauging the successes to North America from this station we may hear it! We'll be testing the ingenuity of Roger Stubbe, our guest from HCJB to see if we can haul in this one!

If you haven't registered for Convention you'll be missing out on a great weekend. Register now, but please rush your \$19 to Auckland now, as the branch must wrap-up its commitments by 21 March.

Simply send - name, address, planned arrival details, accommodation needed at site or own arrangements, and the registration fee for \$19. Your fee provides you with accommodation and all meals from Friday afternoon 4 April until after breakfast Monday 7 April.

CONVENTION 1980
P.O. BOX 3011
AUCKLAND

GOING...GOING....

Radio Pacific, the talkathon on 1593 khz airs a weekly hour-long programme for SWLs and DXers at 6.a.m. Sunday mornings (1800 Saturdays GMT). Contributors include various League members in Auckland plus Brian Strong from Wellington, and Arthur Cushen from Invercargill. The programme is proving a very valuable source of publicity for the hobby and League, but there is the possibility it will be shelved unless Radio Pacific receives more feedback from listeners. Have a listen next Sunday and drop a postcard to programme host Robert Jeffares, Radio Pacific, Private Bag, Manukau City, Auckland letting him know of your interest. (Editors comment: this would have to be the all time low in popular listening times Mr Jeffares.)

GONE... BUT

Bruce Williams advises that if the disappearance of Club Forum really concerns you then you would be welcome to express your constructive views in writing before the Committee of Review for the ABC. Work up your enzymes and write to The Secretary, Committee of Review, ABC, G.P.O. Box 38, Sydney, NSW,2001, to reach Sydney by 31 March. The committee is charged with reviewing the ABC's home services as well as the shortwave operation.

THIS 'N THAT

Want a great collapsible aerial mast? If you are in a main centre, attend the Gov't Stores Board auctions and look out for surveyor's "staves" (that big numbered stick they use). TK bought one in aluminium, collapsible 4' sections for \$4 recently..... a DXer who is "over the wall" is one who logs the Muzak in a lift!.....

LATE MAIL

If your notes don't appear this month they were late! Postmarked either 2 or 3 March. If relevant they will be in the next issue for sure!

CONTINENTS LISTING

with Philip Hamlin.

Once again it's time to see how members' listings of each of the continents have progressed with the featured area for March being the Pacific region. Asterisks by your name indicate deletion if updated totals are not received in September and asterisks by the Pacific total show that AFAN Antarctica has been verified.

BROADCAST	A/NZ	Pac	S.Am	C.Am	N.Am	Eur	Afr	Asia	Cnt	Total
Arthur Cushen	539	107	25	87	1057	129	28	436	150	2408
Keith Robinson+	535	80	24	44	1188	110	8	264	114	2253
Ray Crawford	488	82	58	52	304	109	38	339	161	1470
Eric McIntosh	470	68	4	4	319	60	5	132	88	1062
Robin Chambers	283	58	13	31	269	96	20	198	?	968
David Riquish	291	64	4	11	180	6	-	44	50	600
Bryan Clark	132	57	35	37	164	26	5	41	92	510
Hank Wilkinson (USA)	62	41	80	114	50	14	2	114	77	477
Paul Ormandy+	227	36	5	10	93	13	-	36	62	431
John Allchin	168	31	-	5	143	-	-	8	29	355
Jim Benzoni	169	18	1	3	49	-	-	10	25	250
Gunter Jacob (FRG)	-	-	-	-	6	153	4	2	34	165
Stuart Forsyth+	119	11	-	2	12	-	-	1	11	145
Paul Ramsay+	127	2	-	-	5	-	-	-	5	134
Mike Smith	107	6	-	-	11	-	-	1	10	125

SHORTWAVE

Arthur Cushen	294	372++	440	218	338	1637	500	973	261	4774
Barry Williams	76	91	112	?	269	621	496	522	222	2187
Ray Crawford	107	66++	172	71	114	625	126	336	168	1617
John Mainland	31	52	75	73	118	682	231	297	202	1559
Bryan Clark	139	48+	77	38	117	426	268	188	201	1305
Gunter Jacob (FRG)	131	8	116	36	79	551	147	221	125	1289
Paul Ormandy+	56	36	42	26	56	388	112	154	161	877
Eric McIntosh	73	78+	40	7	112	191	64	108	117	672
Jim Benzoni	57	42	28	29	72	204	37	113	101	583
Steven Greenyer	21	48+	118	46	24	74	57	65	139	453
Jim Gorman+	60	13	14	11	24	146	10	92	67	370
Bill Jolly	48	11	15	5	18	143	15	96	75	354
Brian Gall+	8	13	11	9	20	110	19	65	88	255
Gregory Baker+	6	4	3	5	9	78	4	52	59	161
Ian Wells+	9	13	10	9	16	53	4	37	61	151
Philip Hamlin	10	6	15	10	4	60	4	26	60	145
Mike Smith	31	14	16	3	20	107	9	44	67	244
John Allchin	14	5	2	6	5	32	24	21	67	109
Stuart Forsyth+	17	5	3	3	7	31	3	10	51	79
Hamish Campbell+	10	1	2	1	7	13	5	7	24	45

Best Pacific QSLs - on MW: John Allchin WXLE 1385 250w, KZOO Honolulu 1kw; WXLE Canton Is. 1385 is also Mike Smith's best (sorry about SW order Mike); Jim Benzoni VL2NI; Eric McIntosh KMTH Midway 250w; ZK2ZN Nuie 620 250w for Bryan Clark; Ray Crawford VL2NI Norfolk Is. 1570 18w; Arthur Cushen KMTH 900 250w; David Riquish ZK2ZN Nuie 550 200w; Robin Chambers KMTH 900 250w. On SW: Barry Williams R.Pukapunga Aus. 7850 75w; Arthur Cushen R.Electric Noumea 7275 100w; Ray Crawford Tanafo 3990 60w; John Mainland Gilbert&Ellice Is 4912.5; Bryan Clark VTW3 Gilbert&Ellice Il. 3220 300w, VRH6 Fiji 5980 400w; Gunter Jacob Tahiti 15170; Eric McIntosh Solomon Is. 5960 100w; Jim Benzoni ZK5 Bill Jolly Cook Is. 5045 500w; Mike Smith Thai Met R. 7863; John Allchin Cooks 5045 500w; Philip Hamlin R.Tahiti 15170.

FEATURED CONTINENT FOR SEPTEMBER IS NORTH AMERICA.

Welcome! March is upon us and it's SW QSL Review time. Easter is just around the corner and no doubt many of you will be heading off for Auckland and what promises to be an excellent Easter convention. Good luck to all those going and may we'll begin to see some of those convention logs turning into veries in the May issue of the QSL Review. Well without further ado let's get straight into the mailbag and see what we have.

COSTA RICA: Radio Reloj, San Jose. 6006 kHz. Coloured pictorial verie card with full data from verie signer Roberto E. Aragon, for an English report sent to

"Aqui Costa Rica", Apartado 2936, San Jose, Costa Rica. Received in 8 weeks. No. 27 sent. (Jim Benzoni, Hamilton. Nice Jim. Seems the best way of verifying this station these days. Ed.)

HAWAII: Radio AVEH, Cap Hattien. 11835 kHz. Postcard showing children in class with full data info typed on reverse. Verie signer Stewart West. Received in 5 months by air for an English report with 2 IRC's. (Alex Wellner, Sydney, Australia.) **AVEH** 11835 kHz. Card and station information received from Mrs. Edna Beachy in 2 months for an EE rpt and IRC's. (Steven Greenyer, Invercargill)

IRAQ: Radio Bagdad. 11935 kHz. QSL Card featuring map of Iraq, national flag and small photo with full details given on reverse. Received for an EE rpt. (Philip Hamlin, Tauranga.)

ISLAMIC REPUBLIC OF IRAN: Voice of Islamic Iran. 15084 kHz. Glossy card with old NIRT logo on both sides, with one side imprinted National Iranian Radio & Television, Voice of Iran, and carries photo of the NIRT Tabriz Centre. Other sides gives full verie data. No verie signer. Received in 2 months by air for EE rpt. (Brian Strong, Wellington.) Same 15084 kHz. Veried with multicoloured green card showing NIRT slogan and showing the NIRT broadcasting centre. Full details on reverse. Usual multicoloured pennant and External Service schedule also received. Schedule alone gives reference to new country and station name unlike QSL Card. Received by air in 5 weeks for an English report and 1 IRC. (Tony Marr, Titahi Bay. Seems the Ayatollah Khomeini believes in using up the old stock of NIRT QSL Cards first! Ed.)

ISRAEL: IBA, Jerusalem. 21777 kHz. verie card with full data depicting Israeli flags. In air in 12 weeks for an EE rpt. (Bob Padula, Melbourne, Australia.)

JAPAN: Radio Japan, Tokyo. 17755 kHz. Coloured verie card showing Bamboo Grove received in 3 weeks by airmail for an EE report. (B. Padula.)

MALTA: Radio Mediterranean (QRG?) Black & white QSL card with map of the Mediterranean. Veried by airmail for an EE rpt. (Barry Williams, Auckland.) **IBRA Radio** via Cyclops. 9625 kHz and 9630 kHz. Coloured cards showing Moscow Domes. Received by air in 12 weeks and 3 weeks respectively for English reports. (B. Padula)

MAURITANIA: Radio Mauritanie, Nouakchott. "Ici Nouakchott" QSL card depicting map of Africa showing Mauritania and personal letter. Received in 3 months for rpt with postcard and 2 IRC's. (Paul Aronsen, Invercargill. Did you report this in French? QRG? Ed.)

NORWAY: Radio Norway, Oslo. 21615 kHz. Experimental SSB broadcast, coloured card showing Latofoss Falls. By air in 4 weeks. Different transmitter site for normal External Service outlets. (B. Padula)

PERU: Radio Union, Lima. 6115 kHz. QSL Card with full details on reverse received in 1 month for Spanish letter and "souvenir" from verie signer Juan Marmol Vazquez, Gerente General. (P. Hamlin.)

SEYCHELLES: FEBA 15405 kHz. Reply received in 1 month for English report, prepared card and 2 IRC's a note saying: "We regret that we only issue QSL Cards to listeners in our service areas, India, Pakistan, Bangladesh, Sri Lanka, the countries of West Asia, Africa and the Islands of the Indian Ocean". With this was a printed 'Audience Card' thanking for report, together with ppc duly signed by a name possibly J.C. Brierley. (B. Strong.)

VENEZUELA: Radio Los Andes. 6010 kHz 1 Kw. Chatty letter in Spanish from Angel M. Marquez by airmail for SS rpt & 2 IRC's. Verie received in 2 months. (B. Strong.) **Ecos del Torbes** 4980 kHz. QSL received in the form of over-printed memorandum carrying letterhead of station. Signed on behalf of Director, G. Gonzalez by a signature that looks like Albertina. Received in 1 month for SS rpt & 2 IRC's. (B. Strong) **Radio Nacional**, Caracas. 6170 kHz. Full detail card and printed form letter and schedule, from Charlie Nash, Jefe Canal Internacional for a SS rpt. Received in 2 months by registered mail. (S. Greenyer. Nice Steven. Keep sending those latins in to this page. Ed.)

Well that's it until the May issue. Goodluck to those of you going to convention. Sorry I can't make it there myself. Thanks to all those who have contributed this time around and look forward to your veries for the next issue.

73's Dene Lynneberg

Shortwave Mailbag

with JOHN ALLCHIN

9

Good to be 'back in the seat' for this issue after a two month break, and a special thanks goes out to Stuart Forsyth and Bryan Clark for helping out with editing the column while I was away!

No shortage of reporters this month with the usual quota of quality replies too, including Mali, the rarely reported low power Canadian CFVP, Djibouti, Sierra Leone and many have reported receiving Radio Australia's 40th Anniversary QSL Card - don't spend weeks waiting out at your letterbox for their next card!

Radio Moscow continues to show their generosity David Hughes collected a stamp album with Russian stamps (what else) for his entry in the QSL design contest and Peter Jones picked up an LP record as a prize in their musical lottery!

Well, let's see what's turned up this month

R.G. WEBBER from Te Kuiti has five in from Tashkent 6025 with calender, HCJB 6130, RA 9760 with Anniversary Card, RN 9770, & BBC United Kingdom 15070.

ARTHUR CUSHEN Invercargill has a good list with TWR Swaziland 11965, VOA Colombo 7105, Rome 21690, WINB 15145, Paris 21580, 21620, 21675, Sofia 9530, RRI Tanjungkarang 3395, Moscow 11735, Paris 25820, 25900, Jalwan 11745, Tibet 4950, Sri Lanka 11835, 6015, 15280 and Switzerland 15125. Will be seeing you at Easter!

JOHN DURHAM now in Hamilton has verified Oslo 25730, Japan via Sines 15305, 17815, RSA 25790, Djibouti 4780, ORF 21735 and 12015, KTW 17770, FEBA 15405, NHK Sendai 6190, HCJB 3220, Madrid 6065, AWR Asia 15120, Renascenca 9670 and Veritas 17790. Thanks John, your comments noted!

DAVID HUGHES Palmerston North has had the following QSL'd - Tibet 4035, Red Cross 7210, NHK 15235, RFE 11895, ORF 21655, Nigeria 3326, 4990, TWR Swaziland 11740, RA 11740 with Anniversary Card. Thanks.

STEVEN GREENYER Invercargill has six good ones - HCJB 26020, CFCX 6005, Mexico 15430, RSA 25790, Turismo 6180 and Tahiti 6135.

PETER JONES Hamilton continues to be active with 49 reports out and veries to hand from FEN 6155, FEBC 11890, Prague 21700, RN Bonaire 21480, NHK Sines 15130, BRT 15190 with pennant, VOA Dixon 26095, VOA Philippines 26000, Greenville 25990, Delano 21460, RAI 15315 for QSL no. 600, RM Irkutsk 17880, Zhigulevsk 15185 and these three for new countries XERM 15430 TWR Swaziland 11740 and Kuwait 15345. XERM also sent a pennant!

JOHN ALLCHIN Auckland has just one from ELWA 3227.

BARRY WILLIAMS currently halfway down page 3 of Bandwatch has verified Baghdad 9745 and Ulan Bator 9574.

JIM BENZONI in Hamilton has eight out and veries back from Uganda 15325 for country no. 101, Reloj 6006, WYFR 21615, Austria 15560, HCJB 11835, RM Moscow 11630, Tula 21490, Sogunle 4990 and RN Lopik 17605.

CECIL SYMMES Wellington has verified Israel 25640, China 15520 and Bangladesh 15400, a form letter QSL for a report dated back in November 1977. Good one to have back Cecil!

MIKE SMITH Auckland has a lengthy list with KTW 11840, 17770, Warsaw 14120, WYFR 17845, RM Frunze 17870, Japan 15270, 17795, 9505, RN Bonaire 17605, 9895, FEBC 11765, AFRTS 6030, BBC 7150, RSA 17780, Korea 15570, Spain 11880, Chile 17715, Israel 11637, Tashkent 6025, Sweden 15240, 21690, RFI 17850, 21580, Czechoslovakia 11855, RA 9670 21740, 11855, 9770, Peace & Progress 9625, and SRI 15125.

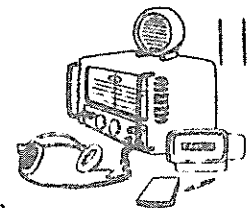
BOB PADULA Melbourne, Australia has them back from Yerevan 15500, TWR Manzini 11965, AWR Malta 9665, AWR via RTE 9745, TWR Monte Carlo 9620, Riyadh 21605, Godthaab 9575, FEBC 9575, Tashkent 11785, Paris 11805 & RSA 15380. Greenland a good one!

BRIAN WEBB Upper Hutt has sent 12 reports away and has QSLs from RN Bonaire 9715, 9770, 21640, KTW 17770, RA 17890 with the Anniversary Card, Spain 9630, WYFR 15440, Vatican 6190, RM 21555, NHK 17795, HCJB 9745, 11900, AFRTS 15330, 25615. Thanks Brian!

LEIGH MORRIS Palmerston North has some goodies with Mali 4825, CFVP 6030, Bras 15290, Sutatenza 5095, RA Shepparton 9570 11855, Vatican 15120, RN Madagascar 11730, TWR Swaziland 11740, RAI Rome 15315 and RAI Caltanissetta (Sicily) 7175. CU Easter!

SHORTWAVE BANDWATCH

with BARRY WILLIAMS of Auckland



With BARRY WILLIAMS of Auckland

The news this month is that DUBAI is testing to SEA and Aust/NZ on 21500 khz with a good signal. They are asking for reports so what about obliging. First to report them were Bryan Clark and John Mainland. Peter Jones has heard signs of Transkei 3950 khz and logged Rhodesia on 2428 khz. Several DXers have logged Bhutan 4690 khz and Greenland 9575 khz. All in all a very good month with 24 contributors, and a good selection of loggings. March / April are always very interesting months on the Shortwave bands so lets know what you hear;

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

FREQ	TIME	COUNTRY	STATION	PROGRAM AND RECEPTION DETAILS	INITI
2425	1500	ZIMBABWI/RHODESIA	R.Jacaranda	Relay news from Salisbury. ID as Family Radio, Radio Jacaranda. (time correct Peter?)	PJ
3205	1045	PAFUA NEW GUINEA	West Sepik	now on regular sched. in Vernac.	JB
3220	1028	ECUADOR	HCJB	with local Quecha service. PampaNG. nulled with use of V beam 159°	QH
3326	1808	NIGERIA	Fed. Radio	Fair with English news.	DH
3345	1445	KASHMIR	R.Kashmir	Good relaying news from Dlehi.	FY
3585	1332	NEW BRITAIN	Radio East New Britain	fair in Pidgin with pops to s/off 1302.	QH
3395	1630	SRI LANKA	SIBC Ekala	Good in Eng. with full ID and time check followed by transcription program.	QH
3425	1700	NEPAL	Kathmandu	News vernaculars, Good. s/off 1720	JB
3910	1715	JAPAN	FEN	Good in English. Also heard 1000 good.	JB JS
3925	1730	INDIA	AIR Delhi	Good with English news.	JB
3925	1031	PAFUA NEW GUINEA	Port Moresby	Good level with usual prog.	RW
3950	1945	TRANSKEI	Capital Radio	heard with English pops. Some QRM from BBC 3955 khz. Heard 1902 with weak signal. Announcements in English. Only held it for 7 minutes. (should improve as winter approaches)	BP PJ
3955	1800	POLAND	Polish Radio	Warsaw, Good in Swedish to 1830, German.	QH
3985	1830	SWITZERLAND	SRI	Good English; 1845 Italian.	JB
4035	1240	CHINA	Lhasa (Tibet)	Good in Chinese.	RC
4690	1300	BHUTAN	Thimphu, NYAB	weak - fair signal. Blocked by AIR news bulletin at 1330. English announcement 1315. Where AIR news came from is a mystery.	AC RC
4725	1400	BURMA	Rangoon	pop music and station announcement at 1400.	AC
4750	2024	CAMEROON	R.Bertoua	Heard with French commentary	BP
4753	1230	INDONESIA	Ujang Padang	// 4719 khz, ind. music. VG sig.	DEM
4760	1415	CHINA	Yunan	Drama series in Chinese.	AC
4785	1959	TANZANIA	Dar es Salaam	World news in Swahili, Good.	BP
4830	2046	GABON	Franceville	African music then into French.	BP
4845	0900	BOLIVIA	Fides	strong at s/on. ID "Fides, La Paz, Bolivia"	PJ
4860	1545	INDIA	AIR Srinagar	English relay from New Delhi, 1600 and heard with local ID. Best on USB.	QH
4870	2058	MOZAMBIQUE	Maputo	Observed here up from 4865 khz. Fort. announcements. Cotonou here some days. Maputo frequency seems to vary.	BP
4890	0936	PAFUA NEW GUINEA	NBC	Eng. musical prog. Pidgin news.	AB
4895	0840	BRAZIL	R.Cultura	Bahia, Good in Portuguese.	RC
4911	2040	ZAMBIA	Ndola	apparently reactivated. Vernaculars.	BP
4915	1350	CHINA	Nanning	Chinese/Eng lessons to 1400.	AC

BILL JOLLY Kawerau has sent four away and has two in from RA Shepparton 21650 with the Anniversary Card and RN Lopik 17605. Bill earlier reported a QSL reply rate of around 89% to reports he had sent out!

MARK MURRELL Nelson has a few in from Japan 15270, Austria 21720, Peking 17700, RN 9760, AFRTS 21560 and BBC 7150, 15420. Have a good holiday Mark!

JOHN MAINLAND Wellington has veries in from RA Shepparton 17890, RSA 17770, AWR Andorra 6215, HCJB 26020, Athens 9650, Sri Lanka 9720 and DW 7285, 11795, 21560, 11705, 9650, 11850, 17780, 21630, 7130, & 9765. Hope all those DWs didn't come at once!

JIM BENZONI Hamilton makes a second appearance this month with SRI 21695, IBRA 9670, KTWR 17770, RA Shepparton 11855 with Anniversary Card and BBC Kranji 3915 also verified.

CHRIS HATTEN Auckland has QSLs in from SRI 21520, 21695 and Budapest 21525. QSL total now 177 from 46 countries. Ladder Totals next month Chris, then submit bi-monthly. 18 reports out, so there should be a bigger list next month.

GRAEME PEARSE Masterton has verified six with Peking 17635 with calendar, RA 21570 with Anniversary Card, Sweden 21690, Norway 21730, and Austria 21735, 21630. Remember to put your Bandwatch items in frequency order please Graeme. Hope your receiver is okay now, and hopefully you can make the Convention.

UNDER 9 MHz

LEIGH MORRIS with CFVP in Calgary, Alberta. Operates on 6030 kHz with 100 watts. 129 points.

OVER 9 MHz

BRYAN CLARK with HCJB in Quito, Ecuador. Operates on 26020 kHz with a power of 100 watts. 138 points.

Leigh's QSL from CFVP was signed by Charlene Brisson, Programming and the front of the card shows a photo of downtown Calgary taken from CFCN Broadcast House. CFVP is the short-wave relay of CFCN.

That's it for this month, thank you for your contributions, hopefully we'll see some of you at the Convention in Easter.

73 - John Allchin.

IAN CATFERMOLE Blenheim begins page 2 of Mailbag with these ones QSL'd - Peking 7390, 15300, 7315, BBC Ascension 15105, BBC Singapore 6050, 15280, BBC 7245, KTWR 17770 SRI 17715, Tashkent 6025, Sutatenza 5075, Vienna 21655, 21725, TWR Manzini 11740, Monte Carlo 9620, IBA 17650, Heilongjiang 4925 and RBI 15100.

DENE LYNNEBERG Titahi Bay has logged 14 and has three quality ones with PBS Yunnan 4760, Mali 4780, 4825 for country 210, and Radio Manus, Admiralty Islands 3905 for country no. 211 verified. Well done!

ARTHUR KINDELL Levin has no reports out this month, but has a nice one back from Ulan Bator 12070.

BRYAN CLARK Auckland has two reports out this time, and veries have returned for AWR Andorra 6215, RA Shepparton 21650, RSA 17770, HCJB 26020 and TWR Swaziland 11965.

BILL HUDDLESTON Auckland has six out, and QSLs back from Malaysia 7295, Chile 17790, Israel 17645, FEBC Philippines 15440, RM Tula 21615, Paris 17850, Vatican 11810, RM Simferopol 6030, Voronezh 5920, 15305, CKZN 6160, Pakistan 17830, 21590, Tashkent 11785, and Nigeria 4755.

LINDSAY ROBINSON Invercargill makes a welcome return to these pages after some five years with four reports sent out. Good to hear from you Lindsay, QSLs should follow soon!

JACK SEARLE Haumoana has QSL'd Portugal 11925, IBA 11637, BRP 17730, HCJB 15120, Islamabad 17642, Tashkent 6025, Kuwait 21545, RAI 15385, RA Lyndhurst 21580 which they originally put as 21680 on the card, and 15240 which Jack has no record of sending a report on this frequency. Will see you at the Convention Jack!

RAY CRAWFORD down Invercargill way has a great list with Austria 21500, AWR Sines 9670, AWR Andorra 6215, Chile 17800, RN Bonaire 21640, RFE Germany 6105, 3975, BBC Ascension 15260, Radio Liberty via Germany 15340, 17750, 17760, 17895, SFB Bremen 6190 ELWA 11930, Finland 9675, RBI 21610, RCI 15265, 17860, WYFR 17805, 21615, Greece 9515, Moscow 21490, 21530, 21560, 21600 (sites Ray?) Japan 17755, via Sines 11735, Israel 15615, 25605, VOA Philippines 26000 Mali 4826, Sierra Leone 5980, Nairobi 4934, 4VEH 11835, TIFC 5055, 6035, XERMX 15430, Rumbos 9660, Ondas Panamericanas 3215 and Abidjan 4940.

A.F.W. BATHS Masterton (I hope I have your name correct) has verified Radio Australia 17795 with the Anniversary Card. Thanks.

FREQ	TIME	COUNTRY	STATION	PROGRAM AND RECEPTION DETAILS	INITS
4925	2020	EQUATORIAL GUINEA	Bata	, Alternating frequency with 5005 khz . BP Seems to change daily . Spanish . Cong and news 2021 .	
4930	1335	USSR	Ashkabad	, Home Service	AC
4934	1802	KENYA	Mombasa	, English news , good	JB
4943	2115	VIETNAM	Hanoi	, Home Service , French language lessons .	BP
4955	0900	BRAZIL	Radio Cultura	on with typical Festive music	AC
4976	0350	UGANDA	Kampala	, African tunes , Swahili announcements .	BP
4980	0909	VENEZUELA	Ecos del Torbes	, Strong signal , Latin music	PJ
4980	1743	PAKISTAN	Azad Kashmir	, Good with R.Pakistan news . QRM China	BC
4990	1149	CHINA	Changsha	, Local program . ID 1151 and 11:5 . " Hunan remin guango diantai ."	QH
5010	1900	MADAGASCAR	Tananarive	, African National Congress . Fair sig.	DH
5030	0958	VENEZUELA	Reloj Continente	, VG sig. 1000 rapid Ident. Spanish	DM
5955	0840	BRAZIL	Gazeta	, Good with English ID's at 0900,1000 :	PJ
5960	0527	GERMAN FED.	REP. DW	IS and ID 0530 in English . Fair .	JB
5985	0600	SAUDI ARABIA	Ridyah	, Arabic music . Strong signal .	JB
6005	0530	GERMANY	West Berlin	, RIAS , In German mixed with BBC Ascension In clear 0545 , News 0530 and 0600 .	QH
6012	1130	ANTARTIC	AFAN	, Fair with C&W program .	RC
6040	0630	GERMAN DEM.REP.	REI	, Very strong with s/off in Spanish .	JS
6055	0630	CZECHOSLOVAKIA	Prague	, Strong with "Interprogramme" .	JS
6110	1730	GERMAN FED.	REP. VOA	Munich , " Evening Report to Africa "	JB
6110	1000	USA	KGEI	, English ID and Frequencies . Program in Japanese	DEM
6155	1875	AUSTRIA	ORF	, English program . Fair - good	DH
6190	0800	GERMAN FED.	REP. R.Bremen	, Fair in German with brief news . Saturdays only . Noisy .	QH
6195	0605	CANADA	CBC	, English s/off with " Oh Canada "	DE
6210	0045	VATICAN	Vatican Radio	, Latin Mass , Ex 6190 khz .	JS
6250	1900	EQUATORIAL GUINEA	R.Malabo	, Fair after Pyongyang s/off . Spanish news 1900 .	PJ
6576	1815	KOREA NORTH	R.Pyongyang	, Very strong in French .	JS
7110	0444	ETHIOPIA	VORE	, Amharic news 0500 , Fair signal	JM
7135	0630	MALTA		, Libyarelay of , Arabic Service //5960 .	BP
7135	0720	GREECE	EIRT Thessalinki	, Sundays only . Greek Orthodox Church Service . Sched. 0600 -0830	BP
7160	1532	ETHIOPIA	VORE	//9560 khz . Both fair in English .	BW
7180	1800	NED.	ANTILLES TWR	Bonaire , Eng.ID then program European languages . Good signal .	JB
7260	0830	NEW HEBRIDES	Vila	, English news ; French 0825 , strong .	JB
7265	0618	GERMAN FED.	REP. Sudwestfunk	, Fair in German with light music	QH
7270	0650	POLAND	Warsaw	, eng.id . Thursday " Requests " . Very good	JS
7275	0745	KOREA SOUTH	Seoul	, News in Japanese .	BP
9360	0500	SPAIN	SFR	Spanish . Good to s/off 0515 .	JB
9370	0922	USSR		, Mayak program and ID .	MS
9420	2005	KOREA NORTH	R.Pyongyang	, English news fair .	AB
9425	2000	ISRAEL	IBA	, A good signal .	IB
9450	0610	USSR	RM	, World Service in English . Strong .	JB
9460	0852	CHINA	R.Peking	, A fair signal with Agricultural program .	MS
9500	0633	ALBANIA	R.Tirana	, News and Views , English strong .	MM
9525	0559	POLAND	R.Warsaw	, Polish , ID at 0550 , VG over VOA .	MM
9535	1110	SWITZERLAND	SRI	, Good , also 9560 khz 0900 .	DEM
9545	0906	BRAZIL	R.Universo	, Portuguese talks & music . fair .	TD
9540	1000	CHINA	PLA Network	, s/ on . QRM from Moscow Japanese Service also on freq.	JM
9550	1000	CHILE	R.NACIONAL	, s/on Spanish ID . Morning greetings , Freq.	BP
9560	0927	SWITZERLAND	SRI	, VG signal in English .	BP
9575	1010	GREENLAND		, Godthab , opens with IS to 1015 . weak	MS
9575	1012	KOREA SOUTH	R.Korea	, " Korea Calling " . 1015 into Spanish	RC
9585	1007	JAPAN	R.Japan	, Very Good sig. English program .	GP
9585	0853	BRAZIL	R.Gazeta	, Good with Portuguese announcements .	GP
9600	0705	USSR	Magadan	, Home Service carrying Mayak ,	DH

FREQ	TIME	COUNTRY	STATION	PROGRAM AND RECEPTION DETAILS	INITS
9610	2110	ALGERIA	R.Algers	, Eng. nes & weather , Fair signal .	DEM
9612	1054	INDONESIA	RPI Jayapura	, Indon.music . 1056 ID in Chinese 1100 program in indon.	JM
9620	1925	YUGOSLAVIA		, R.Yugoslavia , Fair in Russian , 1930 in French	JS
9625	1845	VATICAN	Vatican Radio	, Good signal with ID .	CC
9625	0930	USSR	Peace & Progress	s/on in Chinese , Good signal .	MS
9630	0928	CHILE	R.Agricultura	, long news program in Spanish . Good signal with several IDs .	RC
9630	0600	SPAIN	SFR	, Spanish lessons . VG signal .	QH
9600	0705	USSR	Magadan	, Home Service carrying Mayak ,	MM
9650	2815	MALTA	IBRA	, Gospel program in English . Fair signal .	BP
9650	0654	GUINEA	REP Conakry	, Political speech in Afro language . s/off 0700 , This frequency reactivated ?	JM
9675	0935	BRAZIL	R.Marumbi	, Lively music with Portuguese announcements .	BP
9695	0940	BRAZIL	r.Mar	Manaus , strong signal with local songs and Port. announcements ; 0850 with Festival music .	BP
9695	1216	KAMPUCHEA	Phnom Phen	, Poor signal in English .	AC
9710	0736	HOLLAND	RM	, Good with clear reception	RW
9740	2030	PORTUGAL	R.Portugal	, Poor with DX program .	MM
9748	0700	TAHITI	Papeete	, Relay Paris with French news .	MM
9750	0946	CHILE	R.Mineria	, Santiago , Spanish frequency announcement	BP
9765	2100	BULGARIA	R.Sofia	, Fair with Spanish news .	AB
9825	0730	GT.BRITAIN	BBC	, African Service with poor copy	LR
9860	2005	CHINA	R.Peking	, English news and music . Good signal	AB
9977	1815	KOREA NORTH	Pyongyang	, English Service , fair signal .	JB
11620	2022	INDIA	AIR	, Program in English with very good signal	DEM
11637	0500	ISRAEL	IBA	, English news at good level , s/off 0515 2340 Spanish to Sth.Am.	GP
11665	2012	KUWAIT	R.Kuwait	, New frequency with English . 2100 ID & s/off	DM
11725	1028	KOREA SOUTH	Seoul	, English IDs and freq. 1030 in Spanish	AB
11740	0445	USA	WYFR	Religious . Spanish program .	DEM
11770	0508	TURKEY	Ankara	// 15225 , 9515 khz . Turkish . QRM from USSR	BP
11770	0420	USSR	RM	, World Service in English	AC
11825	0800	ECUADOR	HCTJB	, Religious program , Poor signal .	IB
11830	1700	VATICAN	Vatican Radio	, Good signal with news .	IB
11835	0830	MONACO	TWR	, english ID . VG signal ; 1830 English ID then Armenian . Strong signal .	DEM
11835	1845	NEW ZEALAND	RNZ	, Strong in English .	JB
11890	0930	PHILLIPINES	FEBC	Strong with English news .	JS
11905	0400	ITALY	RAI	, Good signal with news and music .	GB
11930	1830	SPAIN	SFR	, Strong signal with Arabic news	JB
11945	0745	NEW ZEALAND	RNZ	, Good with news commentary .	LR
11985	0700	ALBANIA	R.Tirana	, English news and commentary to s/off 0730	RW
15110	2045	INDIA	AIR	, GOS in English . Very strong .	JB
15125	1815	SWITZERLAND	SRI	, Very strong in English . DX program 1825	CC
15125	2000	BRAZIL	R.Bres	, mixed with SRI in English .	JB
15135	0530	USSR	R.Moscow	, poor with music and news	MM
15145	0056	USA	WINB	, Religious program in English , 0100 ID .	DEM
15165	1845	INDIA	AIR	, GOS in English . Good signal .	JB
15225	1844	AUSTRIA	ORF	, Fair in English with news .	CC
15255	0645	ROMANIA	R.Bucharest	, Now good reception in Pacific trans .	AB
15260	0848	JAPAN	FJR	, East Network , Good till blocked by Peking at 0900 . Not listed in WRHB but definetely there .	JS
15305	0650	USSR	R.Moscow	, Eng. trans. " Russian by Radio " , Hrd 0800	BC
15310	0615	USSR	R.Moscow	, VG signal with news in English .	MM
15310	1815	Masirah		, BBC relay , Very strong 1 English , 1829 local ID	JB
15335	0422	COLOMBIA	R.Nacional	, Bogota , fair to s/off 0457 . Spanish with several IDs .	AB
15330	0350	ITALY	RAI	, Good signal with music .	IB

FREQ	TIME	COUNTRY	STATION	PROGRAM AND RECEPTION DETAILS	INITIALS
15375	2115	SPAIN	SFR	v.strong in Spanish . s/off 2127 .	JB
17805	0705	NETHERLANDS	RN Lopik	English news , good signal	JB
				Also heard :120 closing to Africa in English . Strong	JS
15380	0015	BELGIUM	Brussels	fair in Eng.to NA . " Brussels Calling "	JM
15395	2040	SPAIN	RLE	Very strong in Spanish . Closing to Europe	JS
15405	1744	MALTA	DW relay	s/off in English . Good signal	JP DH
15430	0200	MEXICO	R.Mexico	heard on 13/2 with 1 hour BC in WE.Strong	PJ
15435	2015	CZECHOSLOVAKIA	Prague	in EE with Requests Tuesday s/off 21	CC
15445	1959	BRAZIL	R.Nacional	Brasilia , QRM from VOA : Portuguese ID . Heard through to 0200 most days . // 11780 khz .	BP
15570	0745	KOREA	SOUTH R.korea	in English with clear signal	MM
17642	1830	CHINA	R.Peking	strong at s/on .	JS
17715	1730	FRANCE	Paris	RFI ,Good signal with Art program .	LB
17730	0815	ROMANIA	R.Bucharest	Program for Seamen ,Sundays only . // 21490 ,15365 khz .	BP BC
17745	1858	SOUTH AFRICA	RSA	New freq. VG at s/on in German	DEM
17745	0824	EGYPT	Cairo	" Voice of Arabs " in Arabic . VG signal .	
17770	0859	MASIRAH	BBC Eastern relay	Fair in English , //15310 khz . 0900 into World Service .	QH LB
17780	0630	SOUTH AFRICA	RSA	News and music to W.Africa , Poor signal	
17790	2100	CHILE	V.of Chile	Good in English to s/off 2130 when English schedule announced .	BW DH
17805	0645	ROMANIA	R.Bucharest	English with severe QRM from R.Moscow	CC
17870	0600	AUSTRALIA	RA	Good signal in French to Asia	CC
17890	2200	TAIWAN	Voice of Free China	English . QRM R.Aust .	RW
17930	1258	LYBIA	Tripoli	ID in Arabic , Talks & music .	JM
21450	0540	USSR	RM	World Service . English , good signal	JE
21460	2315	USA	VOA/Delano	Fair with " Breakfast Show "	JF
21465	0710	GERMAN	DEM.REP.	RBI strong in English to Asia	JB
21480	1730	ECUADOR	HGJB	fair in English , Fair strength .	AK
21500	0328	UNITED ARAB EMIRATE	DUBAI	Test transmission in Arabic/Eng. Directed to SEA,Aust,NZ . fair to s/off 0355 .Requested reports to PO Box 1695 , Dubai . Heard 2/3 . Program included greetings to members of the League and music by the NZ Symphony Orchestra .	JM BC
21515	2230	PHILLIPINES	FEBC	Indonesian , Chinese 2245 , Good	CC
21530	0700	USSR	RM	World Service , English . strong	TD JB
21605	1000	KUWAIT	R.Kuwait	Excellent with news in Arabic	AK
21610	0800	JAPAN	R.Japan	News and Views	MM AK
21645	1523	FRANCE	Paris	excellent signal in French	
21730	0230	PAKISTAN	R.Pakistan	slow speed Eng.news . Announcing as 21740 khz .	AC
26020	0320	ECUADOR	HGJB	heard with usual English religious program . Signals weak - good with fading .Band conditions vary from day to day . has been heard to after 0700 . A remarkable signal for 100 watts .	many

Peter Jones has been hearing more test transmissions - possibly Dubai on 9590 khz at 0705 14/2 . American male " 1 2 3 testing Mol ,No3 " and other data for 8 minutes . On 18/2 same testing on 17710 khz .

Many thanks to this weeks contributors			
LR	Lindsay Robinson	AK	Arthur Kindell
AC	Arthur Cushen	RW	Robert Webber
JB	Jim Benzoni	BC	Bryan Clark
JM	John Mainland	DH	David Highes
DEM	Don Mitchell Vic. Australia	BP	Bob Padula Vic. Australia
MS	Mike Smith	RC	Ray Crawford
JS	Jack Searle	PJ	Peter Jones
TD	Ted Downing	QH	Quartz Hill with Paul Edwards and Dene L.
		GP	Graeme Pearce
		MM	Martin Murrell
		BW	Barry Williams
		LB	Les Boyd
		AB	Andrew Booth
		CC	Colin Cambell

ARTHUR CUSHEN'S SHORTWAVE REVIEW

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Frequency changes took place on March 2 by many international stations but as usual the number reported was light as compared to the major changes which take place on the first Sunday in May and November. Brazilian stations were heard with festival music while Chinese signals continue to be received carrying English-Chinese lessons. Interesting low powered stations in Greenland, Lebanon and France have also been heard this month. A visitor to our home recently was Bill Howe, former Shortwave Editor of the Universalite published by Charles Norton in Oakland, California in the late 1930's. This information is part of the broadcast on Radio New Zealand medium and shortwave on Sunday March 2, 1980 at 1015GMT. All times are GMT, add 12 hours for New Zealand Standard Time. All frequencies are in kHz.

Austria: Vienna makes only one change in its March 2 schedule to this area 15440kHz replaces 21735kHz 0700-0900GMT.

Brazil: Radio Excelstor 9585 heard around 0800, Radio Gazeta, heard closing 0330 on 15325.

Bhutan: On 4690 has extended its schedule and now heard on Friday from around 1200 to close down at 1400, with English announcement noted at 1315.

Burma: Rangoon heard with non music programmes on 4725 at 1400.

Canada: Radio Canada has replaced 17770 with 9605 with English 0300-0327. Still using 5960, 9535 and 11845kHz up to 0430GMT.

China: Regional stations have been heard with English lessons and these have been reported: Lhasa Tibet 4750 with English lessons 1315GMT; Yunnan on 4760, English lessons 1300-1330GMT; 4915 Nanning lessons up to 1400; Harbin 4925 with lessons 0930 and Poochow on 4975 English recordings up to 1330.

Greenland: Godthab has been heard on 9575 opening 1010GMT with interval signal then spoken programme and music to 1030 when time signal and interval signal again broadcast before news in Danish.

Italy: Rome has English 0350-0410GMT, 9710, 11905 and 15330. Italian 0830-0930 9580, 11810, 15330, 17780 and 21690; 2050-2130 7235, 9575 and 11800kHz.

Israel: Heard with the new service to North America with English on 1637 closing at 0227. Also carried on 7412 and 7815; English also 0001-0030 and 0100-0125.

Lebanon: Voice of Lebanon heard on 6550kHz, English 1815 but blocked at 1830 by Radio Peking in French.

New Hebrides: Vila still heard on 7260kHz to closing at 1000GMT. From May, New Hebrides will be named Vanuatu.

New Zealand: Radio New Zealand schedule from March 2, to the Pacific 1800-2105 11835; 1800-0630 15345; 2115-0815 17860; 0640-1030 6105. To Australia 0830-1215 11945; 1045-1215 6105. DX World now broadcasts first Sunday 1015GMT

Niue Island: Station ZK23N medium-wave operates on 837kHz 250W on the following schedule: Tuesday-Sunday 0500-0815GMT; Tuesday-Saturday 1630-1930 and Sunday 1700-2300GMT; Tuesday-Sunday 2230-0630GMT.

Pakistan: Radio Pakistan with slow speed news 0230-0245 on 17830, 21500 and 21730 though this frequency is announced as 21780.

U.S.A.: WYFR is using 17740 in place of 11810 with Spanish at 0200GMT.

Vatican: The Vatican Radio is testing its 500kW transmitter to Australia 2210-2225. The frequencies 7235 and 9615 are used on alternate days with the 500kW transmitter while the other channel and 11830kHz continue with the 100kW. The new rotatable aerial is also being used for these tests.

..sign off..

with JOHN MAINLAND

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SINGAPORE Since 1st February Radio Singapore has been announcing itself as "the Singapore Broadcasting Corporation".

BBC MS

RADIO MOZAMBIQUE Ex see EE:0400-0430 & 1800-1830 4855,3265;1100-1130 11815,9605.

BBC MS

AFRO-ASIAN-PACIFIC SURVEY is a new publication from UADX covering eight pages of stations heard in South Asia in the frequency range 1600-5900kHz. The cost is US\$2 (along with a sample copy of UADX) or 5 IRCs airmail. Write to: Union of Asian DX-ers, 32/4a Malwatte Road, Dehiwala, Sri Lanka.

RADIO BANGLADESH Ex see sked wef 2nd Mar 1980: 0445-0515 EE, 0515-0545 AA 15400, 7245, 21685; 1115-1145 Nepalese 7245, 9720; 1230-1300 EE 15285, 21670; 1400-1500 Urdu 11875, 15400; 1600-1630 Hindi 9540, 11765; 1645-1815 Bangla, 1815-1915 EE 11765, 15285.

via Cecil Symmes

CYPRUS In 1981 Radio Bayrak will introduce a foreign service for listeners in Europe. J. Neubauer, West Germany (SCDX)

MALAYSIA The International See of Radio Malaysia will soon begin test broadcasts using two new 500kw txs. Fqs mentioned are 11900 & 15295 and for Europe 17725. No times yet available. J. Neubauer, W. Germany (SCDX) U.S.A., Family Radio (WYFR), will introduce pxs in Italian as of March 2, 1980 beamed to Europe at 1830-1900 on 15440 & 17845.

J. Radiarnaivo, France (SCDX)

CAMEROON In a recent verification Radio Bertoua gave this address: Radio Cameroon Bertoua, P.O. Box 230, Bertoua, Eastern Province, Cameroon. M. Beyen, W. Germany (SCDX)

YUGOSLAVIA Within the next three years Radio Yugoslavia plans to build a new modern broadcasting centre with four 500 kw txs and large antenna system. BBCMS U.S.S.R., "Olympic Report" from Radio Moscow World See (EE) is broadcast every Saturday at 2211 with repeats on Sundays at 0811 and 2011 and on Tues at 0611.

BBC MS

INDONESIA According to Radio Republik Indonesia (RRI), the capacity of the stations International See would be increased in the near future. A 30 million franc loan from France would be used to buy two 250 kw transmitters. BBC MS

AWR-EUROPE Plans are to have a recording studio in operation in Warsaw Poland by March and to begin programmes twice weekly beginning in late April. These will be broadcast via the transmitter AWR-Europe leases at Sines, Portugal, 250kw power, in the 31 metre band shortwave. via AWR

AUSTRIAN RADIO EE effective March 2 at 0430 is moved from 15260 to 12015. RCIDX

MOZAMBIQUE Radio Mocambique is at present using two new fqs for its former "B" programme, now called "Emisora Interprovincial de Maputo e Gaza". These new fqs are 6975 0255-2210 and 9600 0600-1530. Ginbey/Vcelar SCDX

SWEDEN The following amendment for R. Sweden is effective from Jan. 15, 1980: 15435 at 1600-1630 is now 15220. SCDX

CHINA According to a schedule received together with a QSL card direct from the Tibet People's Broadc., Stn, located in Lhasa, broadcasts in Tibetan on 4035, 5240, 5995, 9490 and 9680. Chinese is on 4750, 5935 and 7170. Both services are 2300-0645 and 1000-1345.

Jean-Jacques Bloch, France (SCDX)

ETHIOPIA Voice of Revolutionary Ethiopia broadcasts: 1200-1300 Somali, 1300-1400 Afar, 1400-1500 AA, 1500-1600 EE, 1600-1700 Amharic and 1700-1800 FF on 7165 and 9560. SCDX 22/1

HOLLAND Effective Feb 4 Radio Nederland EE broadcast 1430-1525 via Madagascar on 17855 will be replaced by 11735 //21480. RN annct 31/1

ARGENTINA LRA 34 Radio Nacional Mendoza, which operates on 6180, transmits 0900-0500. LV19 Radio Municipal de Malargue, 6160 500watts, has changed name to "Radio Malargue" since 1 Aug 1979.

via Dene Lynneberg

ISRAEL Voice of Israel schedule of broadcasts to the Americas: 2300-2325 Yiddish 17685, 11637, 11620, 9815, 7412; 2330-2355 SS, 0001-0030 EE, 0030-0100 Hebrew, 0100-0125 EE, 0130-0155 PP, 0200-0225 EE all on 11637, 9815, 7412; 0230-0255 SS 9815, 9435, 7412. BBC MS

GUAM KTWR will begin an additional see in Cantonese March 2-May 3 1980 0645-0715 on 17855 and 15135 Sunday only.

JSWC via NHK

VATICAN According to a letter from Vatican Radio they are testing their new 500kw tx since Feb 1 2150-2205 on either 9615 or 7235 every Mon. Wed. Fri. Sat. JSWC via NHK

U.S.A., KGEI's Japanese see 1000-1100 on 6110 will be replaced, March 2-Sept 6, by 9625. JSWC via NHK

PAKISTAN Radio Pakistan's World See to the United Kingdom from 1700-1930 is transmitted on 11680 and 9460. It contains news and commentary in EE from 1700-1730 and programmes in Urdu from 1730-1930. BBC MS